

Water Resources Data Georgia Water Year 1997 Volume 1: South Atlantic Region



U.S. GEOLOGICAL SURVEY WATER-DATA REPORT GA-97-1
Prepared in cooperation with the State of Georgia
and with other agencies



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Water Resources Data Georgia

Water Year 1997

Volume 1: South Atlantic Region

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



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U.S. DEPARTMENT OF THE INTERIOR

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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]

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INTRODUCTION

Water resources data for the 1997 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 two volumes. These volumes contain discharge records of 123 gaging stations; stage for 23 gaging stations; stage and contents for 18 lakes and reservoirs; water quality for 202 continuing-record stations; peak stage and discharge only for 77 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.

This report (Volume 1, South Atlantic region) contains discharge records for 50 gaging stations; stage for 9 gaging stations; stage and contents for 8 lakes and reservoirs; water quality for 120 continuing-record stations; and peak stage and discharge only for 39 crest-stage partial-record stations; and water levels for 12 observation wells.

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
Georgia Department of Transportation,
Wayne Shackelford, Commissioner
Bibb County
Glynn County
Gwinnett County
City of Albany
City of Attapulgus
City of Blairsville
City of Brunswick
City of Covington

City of Helena
City of Moultrie
City of Springfield
City of Thomaston
City of Valdosta
Albany Water, Gas and Light Commission
Atlanta Regional Commission
Cherokee County Water and Sewerage Authority
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

WATER RESOURCES DATA, GEORGIA 1997
Volume 1: South Atlantic Region
SUMMARY OF HYDROLOGIC CONDITIONS

Streamflow

For rural unregulated streams with more than 15 years of record, runoff during the 1997 water year ranged from more than 120 percent of normal at two streamflow stations in northern Georgia to less than 35 percent of normal at one streamflow station in the southern part of the State. Annual runoff north of a line from Columbus, on the Georgia-Alabama line in west-central Georgia, through Macon to Augusta, on the Georgia-South Carolina line in east-central Georgia, was near normal. At streamflow stations in this area, the ratios of runoff during the year to long-term runoff increased from an average slightly below normal, about 0.9, along the line to more than 1.1 for several stations scattered across northern Georgia. Excluding one station in the metropolitan Atlanta area, Yellow River near Snellville, where runoff has been significantly affected during the last several years by increasing urbanization, the runoff ratios across the northern half of the State averaged a little more than 1.0 and ranged from 0.72 at Falling Creek near Juliette to 1.26 at Holly Creek near Chatsworth. Moving south from the Columbus-to-Augusta line, annual runoff decreased significantly through east-central Georgia and into the southeastern corner of the State where annual runoff was lowest. In south-central and extreme southeastern Georgia, streamflow station runoff ratios averaged slightly more than 0.7 and a little less than 0.6, respectively, ranging from 0.89 at Williamson Swamp Creek at Davisboro to 0.32 at Penholoway Creek near Jesup. In southwestern and across extreme southern Georgia, annual runoff was more nearly normal and runoff ratios averaged almost 0.9. In this area the runoff ratios ranged from 0.80 at Turkey Creek near Byromville to 1.00 at Spring Creek near Iron City, the only streamflow station south of the Columbus-to-Augusta line where the annual runoff was not below normal.

For eleven of the twelve months of the 1997 water year, monthly mean flow for streamflow stations in central and southern Georgia was below normal. In these areas, only February streamflow was above normal; averaging almost 110 percent of normal and about 130 percent of normal for stations in central and southern Georgia, respectively. When compared to normal, the lowest flows in these areas occurred in April and September. In central Georgia, September flow averaged about 60 percent of normal and April flow averaged less than 45 percent of normal. Across southern Georgia, September flow was lowest, averaging a little more than 10 percent of normal, while April flow averaged about 25 percent of normal. During the year, monthly mean flow for streamflow stations across northern Georgia was at or above normal for five months. The highest flows occurred in May and June and averaged about 125 percent and 140 percent of normal, respectively. In this area, monthly flow for August was lowest and averaged a little more than 70 percent of normal. Figure 1 shows monthly discharges and yearly mean discharges for the 1997 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 were non-existent. Only one streamflow station had peak flow with a recurrence interval as great as 25 years. In early March, Line Creek near Senoia, located south and west from the Metropolitan Atlanta area, experienced a peak flow with a recurrence interval of about 25 years. At this time, two other stations in the same vicinity had peak flows with recurrence intervals of a little less than 10 years. The peak-flow recurrence interval for all other streamflow stations was five years or less with the recurrence interval for most stations being less than 2 years. Although most streams throughout the State had minimum flows with recurrence intervals of 5 years or less, significant low-flow events were somewhat more numerous than high-flow events, with several stations scattered across the State experiencing minimum flows with a recurrence interval of 10 years or greater. The most notable was a greater than 50-year occurrence at Ichawaynochaway Creek near Milford where there is extensive surface- and ground-water withdrawal for irrigation. Another station, Flint River near Griffin, located south and west from the metropolitan Atlanta area, had a minimum flow recurrence interval greater than 30 years. The minimum flow at this station is affected by significant surface-water withdrawal for water supply. In east-central and southeastern Georgia, a few stations had minimum-flow recurrence intervals of 10-20 years. In this area, one of the more notable occurrences was the 20-year recurrence interval for minimum flow at the Altamaha River at Doctortown, with a drainage area of 13,600 square miles (mi²).

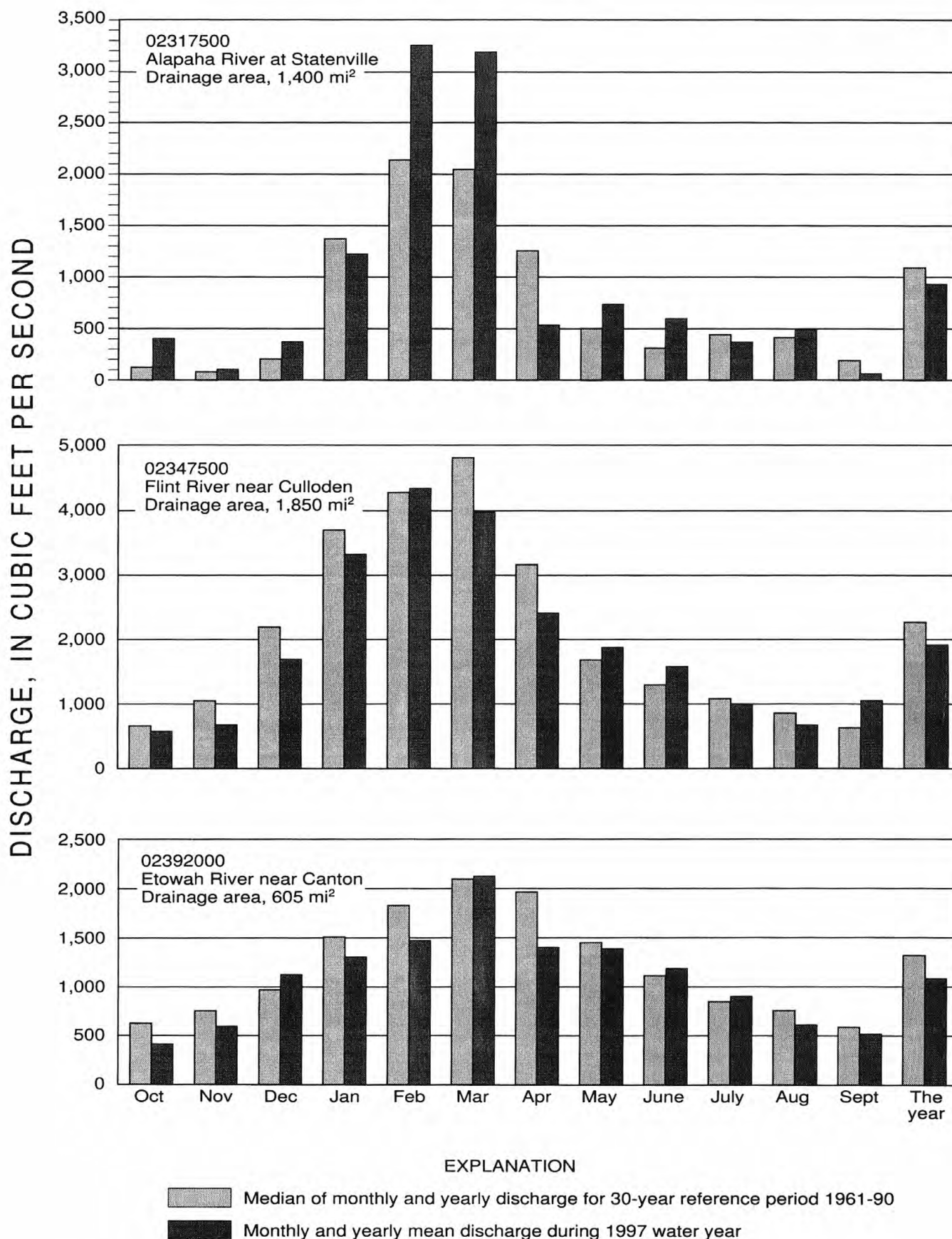


Figure 1. Comparison of discharge at three representative long-term gaging stations during 1997 water year with median discharge for 30-year reference period, 1961–90.

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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 third year of implementation and for most water-quality network stations data are collected monthly on a calendar-year basis. During water year 1997, the last three months of samples were obtained for stations in the Oconee, Coosa and Tallapoosa River basins, the second basin group selected for data collection, and the first nine months of sampling was accomplished for the Savannah and Ogeechee River basins, the third basin group selected for data collection. 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 1997 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 24 observation wells in Georgia ranged from 6.3 feet (ft) lower to 6.1 ft higher in the 1997 water year than in the 1996 water year. In northern Georgia, mean water levels in the crystalline rock aquifers were about the same in 1997 as in 1996 and a record high water level was recorded in well 11AA01 in Spalding County. Along the coast, mean water levels in the Floridan aquifer system were from 3.8 ft lower to 1.6 ft higher in 1997 than in 1996. In the Jesup, Riceboro, Brunswick, and Okefenokee Swamp areas, mean water levels in the Floridan aquifer system were from 1.0 ft lower to 1.6 ft higher in 1997 than in 1996. In the southwestern part of the State, mean water levels in the Floridan aquifer system were from 1.0 ft lower to 1.6 ft higher in 1997 than in 1996. In the southwestern part of the State, mean water levels in the Floridan aquifer system were from 1.4 ft lower to 6.1 ft higher in 1997 than in 1996 and record low water levels were recorded in well 08G001 in Miller County, 15L020 in Worth County, and well 18H016 in Cook County. Mean water levels in the Clayton aquifer of southwestern Georgia were from 6.3 ft lower to 1.8 ft higher in 1997 than in 1996.

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, 1996", which includes data for calendar year 1996, and "Ground-water Conditions in Georgia, 1997", which includes data for calendar year 1997.

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. Permitted withdrawals from ground- and surface-water sources for water year 1997 are shown on figure 2.

Reported off-stream withdrawals for the water-use categories of thermoelectric, public supply, and industrial and commercial totaled about 4,967 million gallons per day (Mgal/d) in 1997, a decrease of about 22 Mgal/d from 1996 withdrawals. In 1997, 18 thermoelectric plants, the largest water users in Georgia, withdrew about 3,110 Mgal/d mostly from surface-water sources; 94 Mgal/d more than in 1996. Permitted withdrawals by 321 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 314 industrial and commercial users totaled about 755 Mgal/d, about 135 Mgal/d less than in 1996. The major types of industrial users in Georgia include paper, textiles, chemicals, stone and clay, and mining.

In 1997, hydroelectric power generation, the only in-stream use compiled by the Georgia Water-Use Program, totaled about 53,000 Mgal/d (53 billion gallons per day) for 37 permitted hydroelectric plants in Georgia.

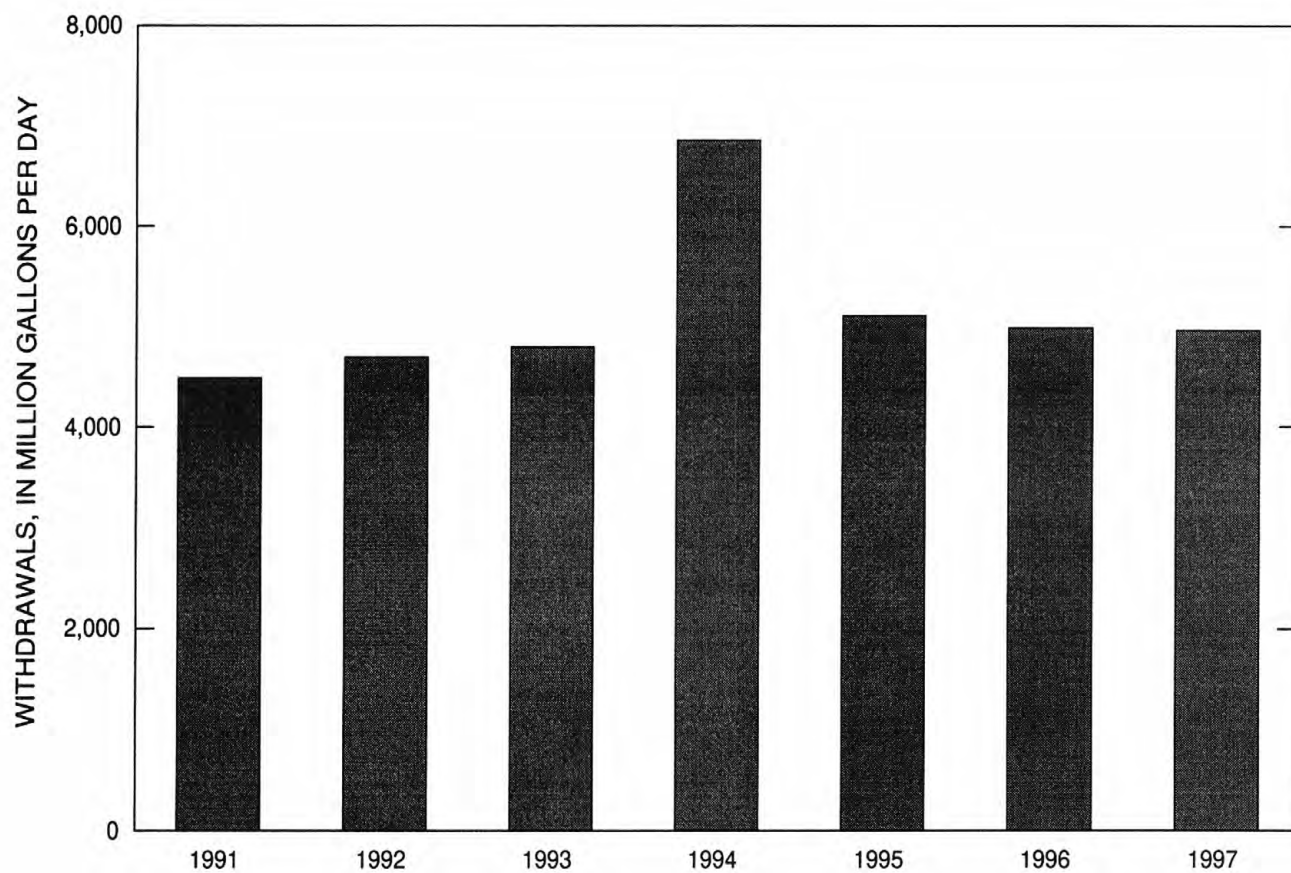


Figure 2. Permitted withdrawals from ground- and surface-water sources for water years 1991-1997

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 1994 water year that began on October 1, 1993, and ended September 30, 1994. 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 7-10. 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 3. 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.

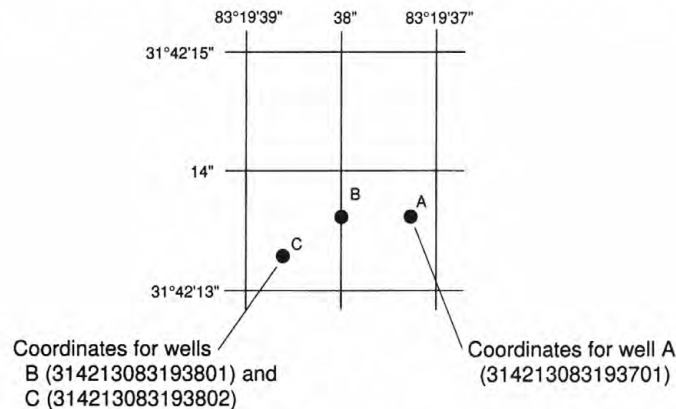


Figure 3.--System for numbering wells and other off-stream sites (latitude and longitude).

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 4 and 5.

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.

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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 computerized data system of the Georgia District, U.S. Geological Survey and, subsequently, by monthly transfer of update-transactions to the STORET system of U.S. Environmental Protection Agency. 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 7.

Although, in this report, records of water levels are presented for fewer than 25 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 Data 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 7¹/₂-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 7¹/₂-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 from the graph or punched tape of a water-stage recorder. 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.

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

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

WATER RESOURCES DATA, GEORGIA 1997
Volume 1: South Atlantic Region

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://www.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 (ft³/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 [(ft³/s)/mi² 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 μ 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 hierarchical scheme beginning with Kingdom and ending with Species at the base. The higher the classification level, the fewer features the organisms have in common. For example, the taxonomy of a particular mayfly, *Hexagenia limbata*, is the following:

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

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

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

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

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".

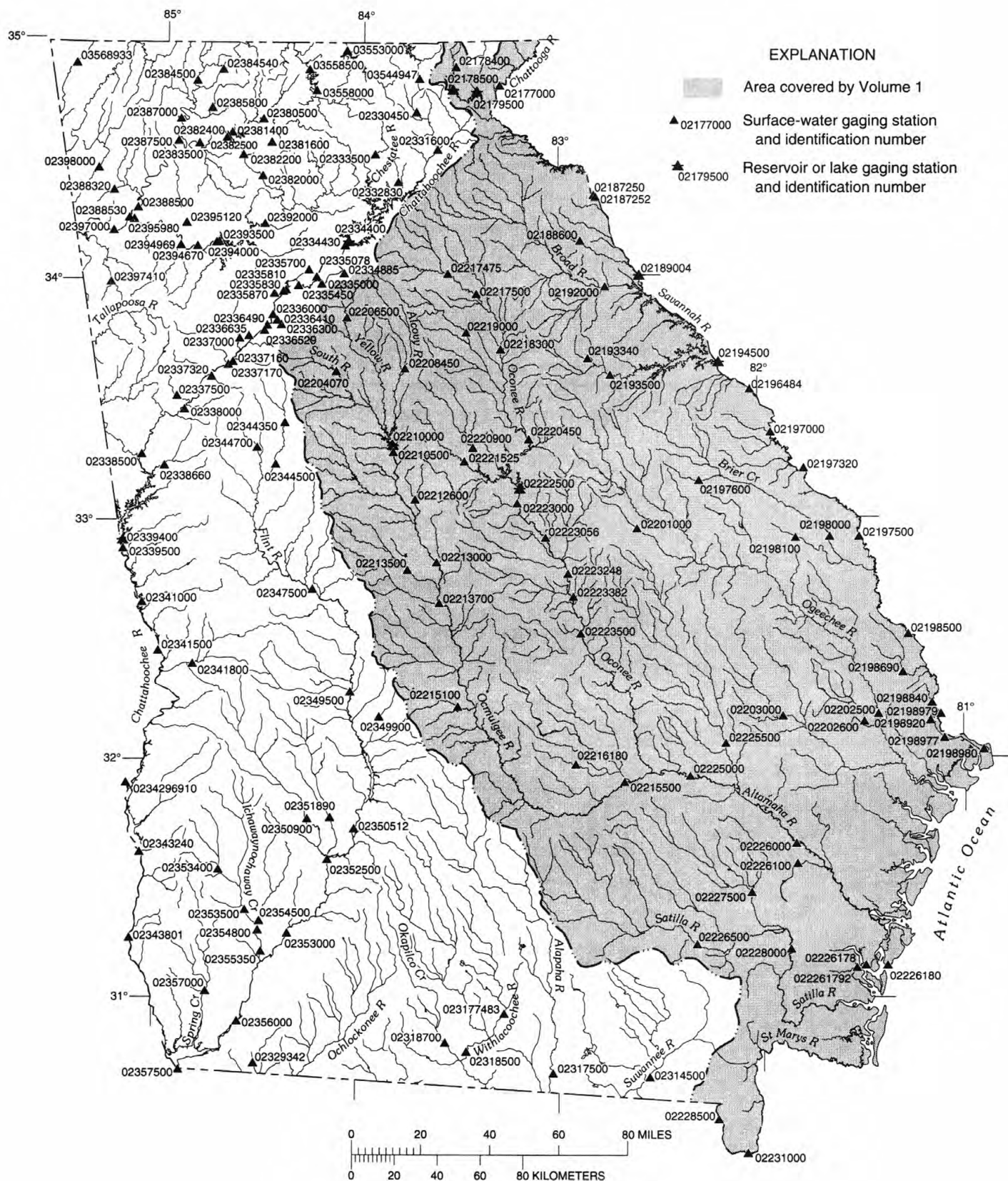
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- 5-A5. *Methods for determination of radioactive substances in water and fluvial sediments*, by L.L. Thatcher, V.J. Janzer, and K.W. Edwards: USGS--TWRI Book 5, Chapter A5. 1977. 95 pages.
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- 6-A1. *A modular three-dimensional finite-difference ground-water flow model*, by M.G. McDonald and A.W. Harbaugh: USGS--TWRI Book 6, Chapter A1. 1988. 586 pages.
- 6-A2. *Documentation of a computer program to simulate aquifer-system compaction using the modular finite-difference ground-water flow model*, by S. A. Leake and D. E. Prudic: USGS--TWRI Book 6, Chapter A2. 1991. 68 pages.
- 6-A3. *A modular finite-element model (MODFE) for areal and axisymmetric ground-water-flow problems, Part 1: Model Description and User's Manual*, by L. J. Torak: USGS--TWRI Book 6, Chapter A3. 1993. 136 pages.
- 6-A4. *A modular finite-element model (MODFE) for areal and axisymmetric ground-water-flow problems, Part 2: Derivation of finite-element equations and comparisons with analytical solutions*, by R. L. Cooley: USGS--TWRI Book 6, Chapter A4. 1992. 108 pages.
- 6-A5. *A modular finite-element model (MODFE) for areal and axisymmetric ground-water-problems, Part 3: Design philosophy and programming details*, by L. J. Torak. USGS--TWRI Book 6, Chapter A5, 1993. 243 pages.
- 7-C1. *Finite difference model for aquifer simulation in two dimensions with results of numerical experiments*, by P.C. Trescott, G.F. Pinder, and S.P. Larson: USGS--TWRI Book 7, Chapter C1. 1976. 116 pages.
- 7-C2. *Computer model of two-dimensional solute transport and dispersion in ground water*, by L.F. Konikow and J.D. Bredehoeft: USGS--TWRI Book 7, Chapter C2. 1978. 90 pages.
- 7-C3. *A model for simulation of flow in singular and interconnected channels*, by R.W. Schaffranek, R.A. Baltzer, and D.E. Goldberg: USGS--TWRI Book 7, Chapter C3. 1981. 110 pages.
- 8-A1. *Methods of measuring water levels in deep wells*, by M.S. Garber and F.C. Koopman: USGS TWRI Book 8, Chapter A1. 1968. 23 pages.
- 8-A2. *Installation and service manual for U.S. Geological Survey manometers*, by J.D. Craig: USGS--TWRI Book 8, Chapter A2. 1983. 57 pages.
- 8-B2. *Calibration and maintenance of vertical-axis type current meters*, by G.F. Smoot and C.E. Novak: USGS--TWRI Book 8, Chapter B2. 1968. 15 pages.



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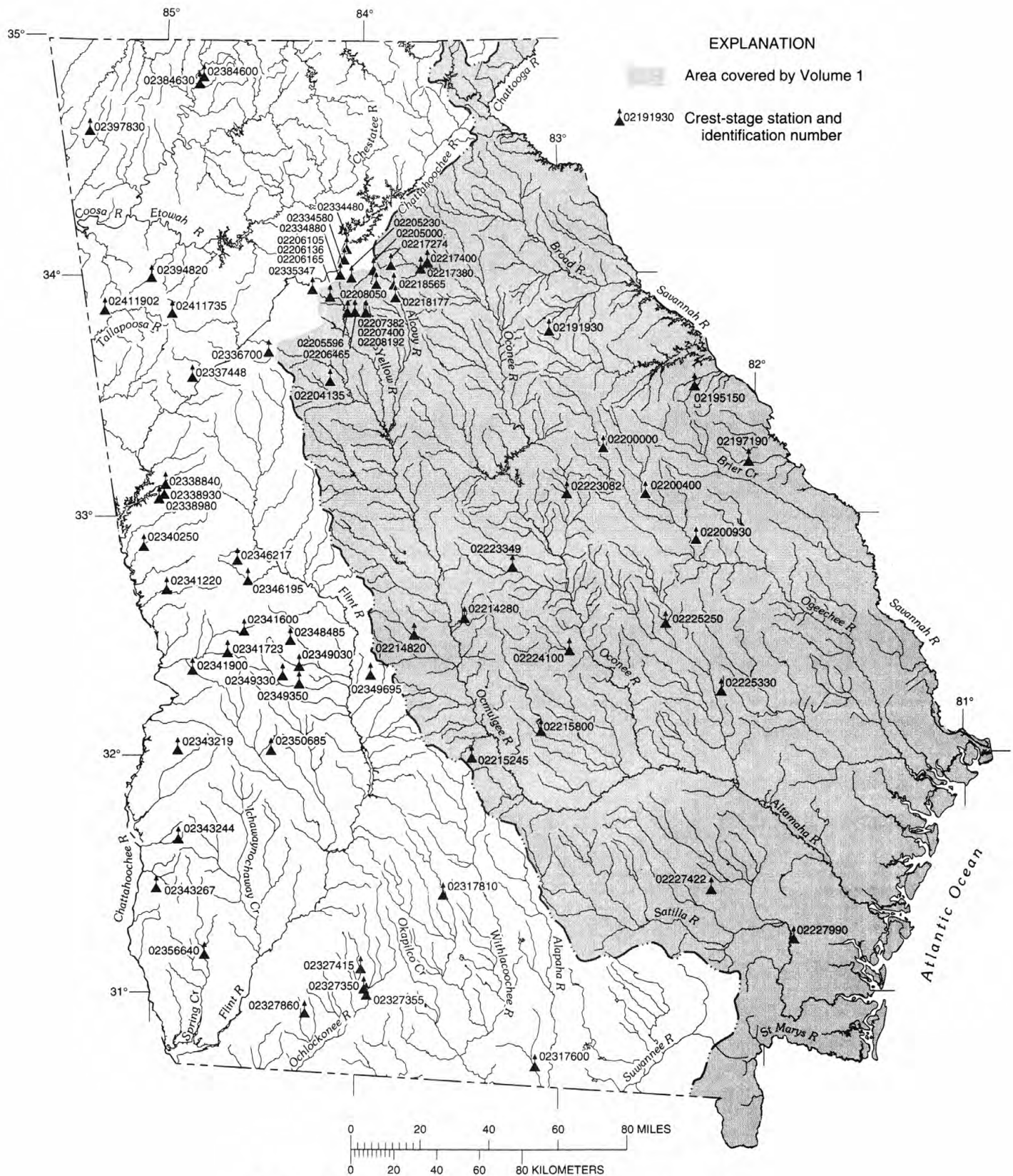
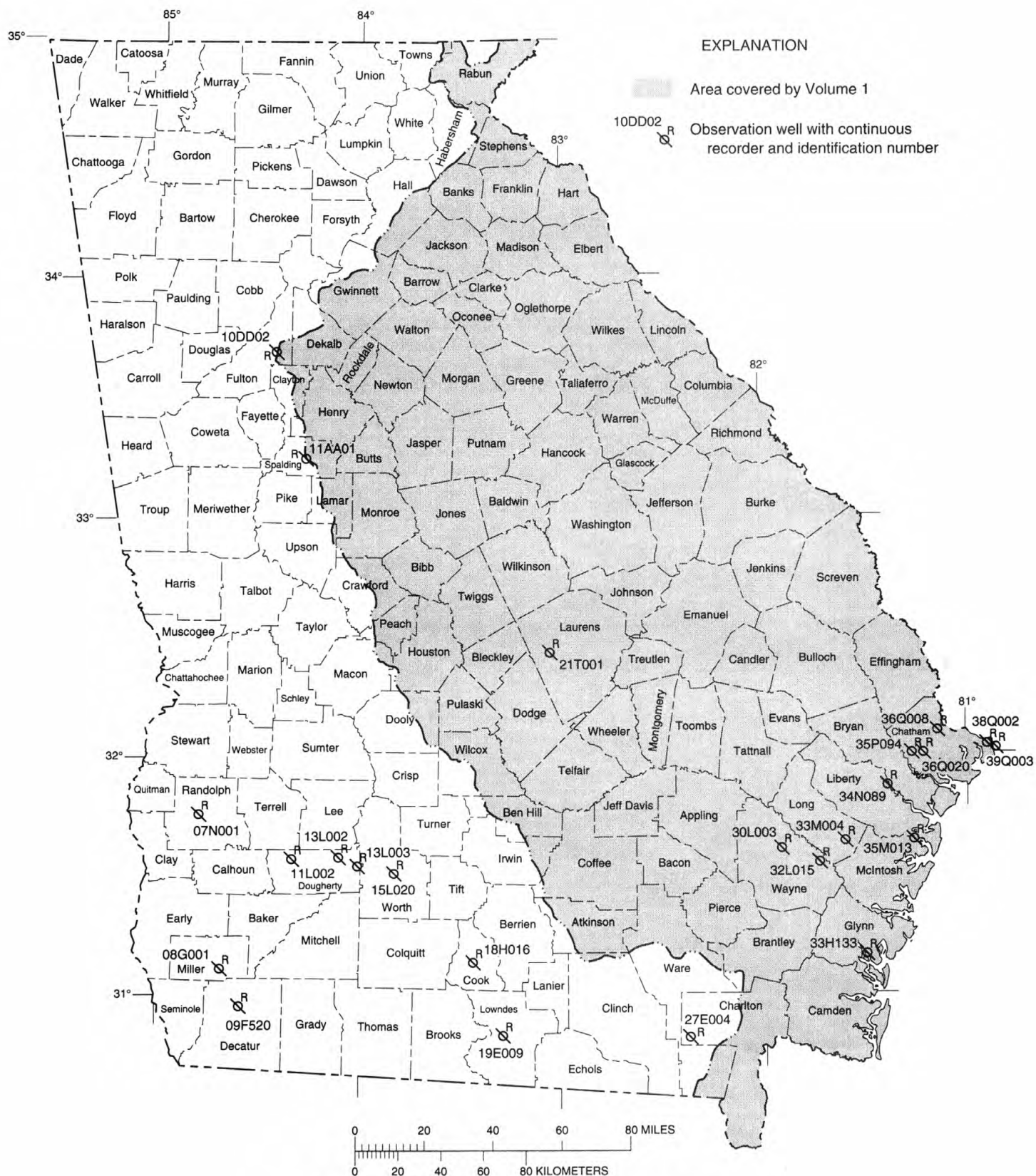




Figure 6. Location of surface-water-quality stations.

WATER-RESOURCES DATA, GEORGIA 1997
Volume 1: South Atlantic Region



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 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 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 22...	1515	81341	223	12	12	6.6	6.3	5.0	8.5	11.3	93
FEB 17...	1415	81341	300	12	13	6.6	6.4	6.5	12.5	11.3	95
MAR 13...	1030	81341	280	12	12	6.5	6.3	10.5	13.0	10.2	95
APR 10...	1445	81341	270	11	12	6.8	6.3	11.5	16.5	10.0	96
MAY 15...	1215	81341	240	11	12	6.6	6.6	15.0	21.5	9.6	101
JUN 12...	1350	81341	340	12	12	6.6	6.4	17.0	26.0	8.9	98
JUL 17...	1215	81341	156	15	15	7.0	6.5	21.5	28.0	8.9	106
AUG 14...	1230	81341	125	13	14	7.1	6.8	22.0	27.0	8.3	101
SEP 11...	1530	81341	132	14	13	7.0	6.6	20.5	23.5	8.9	105

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)
JAN 22...	81341	<1.0	<1.0	--	5	--	.020	<.030	<.020	<1.0
FEB 17...	81341	<1.0	<1.0	1	2	1	<.020	<.030	<.020	<1.0
MAR 13...	81341	1.0	<1.0	--	5	<1	<.020	<.030	<.020	<1.0
APR 10...	81341	1.0	<1.0	--	3	<1	.020	<.030	<.020	<1.0
MAY 15...	81341	1.0	<1.0	4	4	<1	<.020	<.030	<.020	<1.0
JUN 12...	81341	3.0	<1.0	2	6	7	<.020	.040	<.020	1.0
JUL 17...	81341	3.0	<1.0	2	4	4	.060	<.030	.020	3.0
AUG 14...	81341	<1.0	<1.0	6	5	1	<.020	<.030	<.020	2.0
SEP 11...	81341	1.0	<1.0	4	6	1	<.020	<.030	<.020	2.0

SAVANNAH RIVER BASIN

02176940 NORTH FORK CHATTOOGA RIVER NEAR PINE MOUNTAIN, 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)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
JAN 22...	1515	81341	223	<20
FEB 17...	1415	81341	300	<20
MAR 13...	1030	81341	280	<20
APR 10...	1445	81341	270	<20
MAY 15...	1215	81341	240	<20
JUN 12...	1350	81341	340	130
JUL 17...	1215	81341	156	110
30...	1130	81213	166	80
AUG 06...	1130	81213	138	20
14...	1230	81341	125	<20
SEP 11...	1530	81341	132	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)
JUL 31...	1540	81213	210	14	6.6	21.5	26.5	8.8	105

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 31...	81213	0.8	0.32	<1.0	<2.0	<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 31...	81213	1.5	<2.0	<0.1	<1.0	<2.0	5.0

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 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 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 22...	1415	81341	153	11	11	6.7	6.3	5.0	9.0	11.6	96
FEB 17...	1345	81341	222	11	11	6.7	6.4	6.0	12.5	11.6	97
MAR 13...	1000	81341	242	11	11	6.7	6.5	10.0	13.5	10.4	96
APR 10...	1410	81341	207	11	11	6.9	6.3	9.5	14.0	10.4	96
MAY 15...	1145	81341	135	11	11	6.7	6.6	14.0	24.0	9.7	99
JUN 12...	1330	81341	222	11	12	6.7	6.6	16.0	24.0	9.1	98
JUL 17...	1145	81341	99	13	13	7.0	6.5	19.5	30.0	9.1	105
AUG 14...	1145	81341	102	12	13	6.8	6.6	19.5	25.5	8.8	101
SEP 11...	1500	81341	85	13	14	6.9	6.5	18.5	25.5	9.0	101

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)
JAN 22...	81341	<1.0	<1.0	--	4	--	.030	<.030	<.020	<1.0
FEB 17...	81341	<1.0	<1.0	1	4	1	.030	<.030	<.020	<1.0
MAR 13...	81341	1.0	<1.0	--	5	2	<.020	<.030	<.020	<1.0
APR 10...	81341	1.0	<1.0	--	3	<1	.020	<.030	<.020	<1.0
MAY 15...	81341	2.0	<1.0	2	7	3	<.020	<.030	<.020	<1.0
JUN 12...	81341	14	<1.0	2	5	23	.030	<.030	.040	2.0
JUL 17...	81341	3.0	<1.0	2	4	5	.040	<.030	<.020	2.0
AUG 14...	81341	1.0	<1.0	2	2	2	.030	.250	<.020	2.0
SEP 11...	81341	2.0	<1.0	4	6	3	<.020	<.030	<.020	2.0

SAVANNAH RIVER BASIN

02176945 WEST FORK CHATTOOGA RIVER AT PINE MOUNTAIN, 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)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
JAN 22...	1415	81341	153	<20
FEB 17...	1345	81341	222	<20
MAR 13...	1000	81341	242	<20
APR 10...	1410	81341	207	<20
MAY 15...	1145	81341	135	<20
JUN 12...	1330	81341	222	3100
JUL 17...	1145	81341	99	70
30...	1015	81213	138	3300
AUG 06...	1030	81213	105	20
14...	1145	81341	102	40
SEP 11...	1500	81341	85	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)
JUL 31...	1450	81213	144	13	6.9	19.5	26.5	8.8	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)
JUL 31...	81213	0.7	0.33	<1.0	<2.0	<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 31...	81213	3.2	<2.0	<0.1	<1.0	<2.0	1.8

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 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 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 22...	1315	81341	53	13	13	6.9	6.5	5.0	12.0	11.4	94
FEB 17...	1250	81341	90	13	13	6.8	6.6	6.0	13.0	11.4	95
MAR 13...	0915	81341	97	13	13	6.7	6.5	10.0	11.0	10.4	96
APR 10...	1310	81341	118	12	13	7.0	6.7	10.0	14.5	10.4	96
MAY 15...	1030	81341	106	13	13	6.8	7.4	20.0	13.0	9.6	111
JUN 12...	1230	81341	118	14	14	6.9	6.6	16.0	24.0	9.0	97
AUG 06...	0915	81341	46	16	16	6.9	6.8	17.0	19.0	8.9	97
14...	1030	81341	41	16	16	6.8	6.8	19.0	24.5	8.9	101
SEP 11...	1320	81341	33	16	18	7.0	6.7	18.0	23.0	9.0	101

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)
JAN 22...	81341	1.0	<1.0	--	5	--	.040	<.030	<.020	<1.0
FEB 17...	81341	1.0	<1.0	2	6	2	.050	<.030	<.020	<1.0
MAR 13...	81341	2.0	<1.0	--	7	2	.020	<.030	<.020	<1.0
APR 10...	81341	2.0	<1.0	--	5	4	.030	<.030	<.020	<1.0
MAY 15...	81341	2.0	<1.0	2	6	5	.020	<.030	<.020	<1.0
JUN 12...	81341	18	<1.0	2	8	27	.040	<.030	.040	2.0
AUG 06...	81341	2.0	<1.0	22	4	3	.040	<.030	<.020	1.0
14...	81341	2.0	<1.0	4	6	3	.030	.030	<.020	1.0
SEP 11...	81341	2.0	<1.0	4	8	3	.020	<.030	<.020	1.0

SAVANNAH RIVER BASIN

02176957 WARWOMAN CREEK NEAR PINE MOUNTAIN, 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)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
JAN				
22...	1315	81341	53	110
FEB				
17...	1250	81341	90	<20
MAR				
13...	0915	81341	97	330
APR				
10...	1310	81341	118	35
MAY				
15...	1030	81341	106	80
JUN				
12...	1230	81341	118	7900
JUL				
17...	1100	81341	48	490
30...	0930	81213	56	330
AUG				
06...	0916	81213	46	110
14...	1030	81341	41	330
SEP				
11...	1320	81341	33	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)
JUL									
31...	1325	81213	58	15	6.7	19.5	24.5	8.5	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								
31...	81213	0.8	0.43	<1.0	<2.0	<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							
31...	81213	1.1	<2.0	<0.1	<1.0	<2.0	2.7

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)
Dec. 1	1415	*9,760	*7.05	Mar. 14	0745	6,590	5.68
Feb. 28	2115	3,830	4.23	July 23	2130	3,530	4.05

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	889	313	5800	571	809	2330	935	1050	2000	562	468	379
2	766	363	2690	549	768	1640	891	948	1310	505	417	309
3	707	341	1530	532	740	1560	865	1840	1010	475	393	294
4	649	313	1180	515	775	1470	837	1460	998	454	370	262
5	587	308	1010	622	933	1280	815	1190	883	459	352	248
6	548	307	937	610	829	1330	1200	1060	805	437	336	239
7	530	339	862	547	765	1160	1170	980	748	425	334	235
8	515	1510	785	537	857	1080	952	932	725	418	338	234
9	484	848	728	1260	811	1020	888	900	705	455	337	231
10	451	580	688	1020	770	985	841	852	679	457	352	285
11	445	498	663	800	735	940	814	817	649	415	367	288
12	429	454	670	702	703	896	1780	796	804	403	332	263
13	422	430	851	651	756	938	1490	774	1000	393	321	243
14	413	417	698	615	864	3950	1150	744	891	387	322	235
15	402	402	646	597	1240	2010	1030	729	911	377	315	227
16	392	384	615	895	988	1570	961	699	765	406	328	225
17	386	379	685	725	871	1380	917	678	728	438	302	220
18	392	395	657	635	811	1260	872	665	697	395	294	215
19	380	448	615	627	778	1290	850	649	652	375	286	210
20	370	397	570	600	747	1310	825	654	626	367	283	204
21	354	393	550	583	847	1170	803	626	628	344	282	199
22	347	449	541	579	1300	1090	975	600	660	414	270	199
23	351	392	538	641	949	1030	972	589	608	1230	266	200
24	344	375	570	1090	864	981	881	580	605	1350	261	393
25	332	379	619	1800	817	954	811	671	568	625	258	1150
26	332	585	544	1170	792	1100	775	685	553	522	255	518
27	413	484	567	947	855	963	845	609	547	483	258	325
28	371	431	556	1200	2400	961	1480	707	545	436	278	343
29	341	410	667	1070	---	1390	1660	698	525	412	256	566
30	330	564	666	932	---	1140	1230	936	506	452	247	349
31	319	---	604	862	---	1010	---	890	---	608	300	---
TOTAL	13991	13888	29302	24484	25374	41188	30515	26008	23331	15479	9778	9288
MEAN	451	463	945	790	906	1329	1017	839	778	499	315	310
MAX	889	1510	5800	1800	2400	3950	1780	1840	2000	1350	468	1150
MIN	319	307	538	515	703	896	775	580	506	344	247	199
CFSM	2.18	2.24	4.57	3.82	4.38	6.42	4.91	4.05	3.76	2.41	1.52	1.50
IN.	2.51	2.50	5.27	4.40	4.56	7.40	5.48	4.67	4.19	2.78	1.76	1.67

SAVANNAH RIVER BASIN

02177000 CHATTOOGA RIVER NEAR CLAYTON, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1940 - 1997, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	445	512	663	778	875	958	901	729	609	516	498	440
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 1996 CALENDAR YEAR		FOR 1997 WATER YEAR		WATER YEARS 1940 - 1997	
ANNUAL TOTAL	266064		262626		659	
ANNUAL MEAN	727		720		1098	
HIGHEST ANNUAL MEAN					337	
LOWEST ANNUAL MEAN					14800	
HIGHEST DAILY MEAN	6310	Jan 27	5800	Dec 1	88	Aug 30 1940
LOWEST DAILY MEAN	238	Jul 24	199	Sep 21-22	90	Oct 8 1954
ANNUAL SEVEN-DAY MINIMUM	259	Jul 19	207	Sep 17	a29000	Oct 7 1954
INSTANTANEOUS PEAK FLOW			9760	Dec 1	13.80	Aug 30 1940
INSTANTANEOUS PEAK STAGE			7.05	Dec 1	88	Aug 30 1940
INSTANTANEOUS LOW FLOW			199	bSep 20-24	3.18	Oct 8 1954
ANNUAL RUNOFF (CFSM)	3.51		3.48		43.27	
ANNUAL RUNOFF (INCHES)	47.81		47.20		1170	
10 PERCENT EXCEEDS	1180		1190		537	
50 PERCENT EXCEEDS	584		626		234	
90 PERCENT EXCEEDS	333		305			

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 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)
OCT 24...	1345	81341	341	14	14	7.0	6.6	13.5	24.0	10.0	100
NOV 12...	1605	81341	447	13	13	6.7	6.9	6.0	9.5	11.8	97
DEC 18...	1555	81341	637	12	12	6.8	--	7.0	7.5	11.4	98
JAN 22...	1630	81341	576	12	12	6.8	6.6	5.0	8.5	11.8	96
FEB 17...	1515	81341	859	13	13	6.7	6.7	7.0	16.0	11.4	96
MAR 13...	1120	81341	859	12	12	6.7	6.6	11.5	12.0	10.4	99
APR 10...	1600	81341	830	12	12	7.0	6.3	13.0	18.0	10.0	98
MAY 15...	1325	81341	733	12	12	6.9	6.8	16.5	24.0	9.3	100
JUN 12...	1530	81341	929	12	13	6.9	6.6	19.0	29.0	8.8	100
JUL 17...	1320	81341	427	14	14	7.2	6.7	24.0	26.0	8.1	100
AUG 14...	1330	81341	322	15	15	7.4	7.1	25.5	28.0	8.1	103
SEP 11...	1630	81341	282	15	16	7.0	6.6	22.0	23.5	8.4	100

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)	ALKA- LINITY WAT WH TOT FET LAB MG/L AS CaCO3 (00417)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L) (00530)
OCT 24...	81341	1.0	<5	<1.0	4	<1
NOV 12...	81341	1.0	<5	<1.0	6	<1
DEC 18...	81341	1.0	<5	1.2	1	<1
JAN 22...	81341	1.0	<5	<1.0	5	<1
FEB 17...	81341	1.0	<5	<1.0	2	4
MAR 13...	81341	1.0	<5	<1.0	6	<1
APR 10...	81341	1.0	6	<1.0	4	1
MAY 15...	81341	1.0	<5	<1.0	4	1
JUN 12...	81341	8.0	8	<1.0	5	11
JUL 17...	81341	1.0	8	<1.0	6	3
AUG 14...	81341	1.0	6	<1.0	5	1
SEP 11...	81341	1.0	<5	<1.0	6	1

SAVANNAH RIVER BASIN

02177000 CHATTOOGA RIVER NEAR CLAYTON, GA.--Continued

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

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 24...	81341	<0.020	<0.030	--	<0.10	--	<0.020	1.0
NOV 12...	81341	<0.020	<0.030	--	<0.10	--	<0.020	<1.0
DEC 18...	81341	0.020	<0.030	0.20	0.20	0.22	<0.020	1.0
JAN 22...	81341	0.020	<0.030	--	<0.10	--	<0.020	<1.0
FEB 17...	81341	<0.020	<0.030	0.10	0.10	0.10	<0.020	1.0
MAR 13...	81341	<0.020	<0.030	--	<0.10	--	<0.020	<1.0
APR 10...	81341	<0.020	<0.030	--	--	--	<0.020	<1.0
MAY 15...	81341	<0.020	<0.030	--	<0.10	--	<0.020	<1.0
JUN 12...	81341	<0.020	<0.030	0.10	0.10	0.10	0.020	1.0
JUL 17...	81341	<0.020	<0.030	0.10	0.10	0.10	<0.020	3.0
AUG 14...	81341	<0.020	<0.030	0.20	0.20	0.20	<0.020	1.0
SEP 11...	81341	<0.020	<0.030	0.10	0.10	0.10	<0.020	2.0

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
OCT 24...	1345	81341	341	<20
NOV 12...	1605	81341	447	<20
DEC 18...	1555	81341	637	50
JAN 22...	1630	81341	576	<20
FEB 17...	1515	81341	859	20
MAR 13...	1120	81341	859	50
APR 10...	1600	81341	830	<20
MAY 15...	1325	81341	733	<20
JUN 12...	1530	81341	929	490
JUL 17...	1320	81341	427	<20
30...	1245	81213	420	<20
AUG 06...	1230	81213	335	20
14...	1330	81341	322	<20
SEP 11...	1630	81341	282	50

SAVANNAH RIVER BASIN

02177000 CHATTOOGA RIVER NEAR CLAYTON, 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 31...	1700	81213	601	14	7.0	22.5	27.5	8.5	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)
JUL 31...	81213	0.8	0.40	<1.0	<2.0	<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 31...	81213	1.3	<2.0	<0.1	<1.0	<2.0	3.4

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 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 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 22...	1715	81341	71	29	29	7.1	6.5	7.0	8.5	11.0	95
FEB 17...	1545	81341	94	29	28	7.0	6.8	9.0	10.5	10.7	96
MAR 13...	1150	81341	95	27	27	7.0	7.0	11.0	11.5	10.3	97
APR 10...	1645	81341	108	27	26	7.3	6.6	13.0	13.5	9.5	94
MAY 15...	1400	81341	92	26	26	7.0	6.7	17.0	23.5	9.0	98
JUN 12...	1600	81341	100	29	27	7.3	6.8	18.5	26.5	8.5	96
JUL 17...	1415	81341	59	32	30	7.4	6.9	22.5	26.0	8.2	100
AUG 14...	1425	81341	51	32	32	7.2	7.2	23.0	28.0	8.1	100
SEP 11...	1715	81341	43	33	35	7.1	7.0	19.5	23.0	8.4	96

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	ALKA- LINITY WAT WH TOT 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 22...	81341	3.0	<1.0	10	4	0.340	<0.030	<0.020	<1.0
FEB 17...	81341	4.0	<1.0	9	5	0.320	<0.030	<0.020	<1.0
MAR 13...	81341	6.0	<1.0	10	7	0.260	<0.030	<0.020	<1.0
APR 10...	81341	8.0	<1.0	6	8	0.230	<0.030	0.040	<1.0
MAY 15...	81341	5.0	<1.0	9	6	0.170	<0.030	0.020	<1.0
JUN 12...	81341	56	1.0	12	68	0.230	<0.030	0.130	2.0
JUL 17...	81341	12	1.1	11	14	0.230	<0.030	0.030	3.0
AUG 14...	81341	4.0	<1.0	11	3	0.190	<0.030	0.050	1.0
SEP 11...	81341	16	<1.0	11	11	0.210	0.050	0.040	2.0

SAVANNAH RIVER BASIN

02177450 STEKOA CREEK NEAR CLAYTON, 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)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
JAN 22...	1715	81341	67	320
FEB 17...	1545	81341	94	20
MAR 13...	1150	81341	95	220
APR 10...	1645	81341	108	80
MAY 15...	1400	81341	92	80
JUN 12...	1600	81341	100	54000
JUL 17...	1415	81341	54	3300
30...	1315	81213	55	790
AUG 06...	1330	81213	46	110
14...	1425	81341	44	700
SEP 11...	1715	81341	32	3300

DATE	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 31...	1855	81213	54	32	7.2	21.5	26.5	8.3	98

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 31...	81213	2.2	.69	<1.0	<2.0	<0.5	<1.0	<1.0

DATE (00028)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (01051)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01059)	THAL- LIUM, TOTAL (UG/L AS TL) (71900)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (01067)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01147)	SELE- NIUM, TOTAL (UG/L AS SE) (01092)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)
JUL 31...	81213	2.3	<2.0	<0.1	<1.0	<2.0	4.3

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.

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)
Dec. 1	1100	2,850	6.94	July 23	1630	*3,720	*7.92
Feb. 28	1345	1400	5.08				

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	245	91	1660	177	236	712	297	312	449	146	170	78
2	224	123	652	170	221	506	277	300	364	134	154	77
3	234	98	406	160	213	454	262	855	292	128	144	85
4	206	93	308	153	227	395	250	507	294	122	135	71
5	180	92	267	300	261	380	241	403	255	122	128	62
6	163	90	235	234	227	391	498	353	233	117	121	61
7	153	108	231	204	215	347	370	318	218	114	127	60
8	143	376	207	191	267	321	314	298	208	112	122	63
9	133	222	190	450	235	300	287	284	202	176	124	67
10	129	172	179	305	226	288	268	265	191	133	125	94
11	123	146	171	251	211	272	255	252	185	117	121	79
12	118	131	201	220	201	257	553	244	215	112	117	69
13	113	123	202	202	231	323	392	234	227	109	119	66
14	108	120	180	190	251	831	333	225	346	105	113	64
15	105	113	169	188	292	509	302	219	283	115	112	63
16	103	107	161	290	253	406	282	208	241	110	108	62
17	101	105	187	214	231	359	270	202	225	102	101	61
18	110	138	166	196	216	330	255	196	208	99	97	59
19	100	153	157	185	206	434	250	196	193	96	95	58
20	97	131	147	179	197	403	239	192	180	94	95	56
21	94	168	142	172	365	353	232	183	178	101	91	57
22	93	179	140	182	361	322	282	176	170	111	85	58
23	108	156	138	194	284	298	298	171	160	1260	84	58
24	94	142	162	381	254	279	257	170	157	457	82	288
25	91	196	149	523	235	269	240	202	154	247	81	435
26	92	291	141	349	230	303	231	210	151	196	79	155
27	112	212	163	284	293	267	268	181	172	171	77	112
28	98	184	150	394	935	308	433	212	156	163	77	177
29	93	165	228	315	---	483	463	230	147	158	75	152
30	91	288	198	281	---	378	358	293	142	231	72	115
31	88	---	189	255	---	332	---	281	---	202	71	---
TOTAL	3942	4713	7876	7789	7574	11810	9257	8372	6596	5660	3302	2962
MEAN	127	157	254	251	271	381	309	270	220	183	107	98.7
MAX	245	376	1660	523	935	831	553	855	449	1260	170	435
MIN	88	90	138	153	197	257	231	170	142	94	71	56
CFSM	2.25	2.78	4.50	4.45	4.79	6.74	5.46	4.78	3.89	3.23	1.89	1.75
IN.	2.60	3.10	5.19	5.13	4.99	7.78	6.09	5.51	4.34	3.73	2.17	1.95

SAVANNAH RIVER BASIN

02178400 TALLULAH RIVER NEAR CLAYTON, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1964 - 1997, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	126	154	200	239	272	295	262	214	169	128	137	110
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 1996 CALENDAR YEAR		FOR 1997 WATER YEAR		WATER YEARS 1964 - 1997	
ANNUAL TOTAL	77763		79853		192	
ANNUAL MEAN	212		219		275	
HIGHEST ANNUAL MEAN					1973	
LOWEST ANNUAL MEAN					82.9	
HIGHEST DAILY MEAN	1860	Jan 27	1660	Dec 1	3910	Mar 4 1979
LOWEST DAILY MEAN	75	Sep 15	56	Sep 20	28	Oct 6 1986
ANNUAL SEVEN-DAY MINIMUM	88	Sep 20	58	Sep 17	29	Oct 2 1986
INSTANTANEOUS PEAK FLOW			3720	Jul 23	8500	May 28 1973
INSTANTANEOUS PEAK STAGE			7.92	Jul 23	12.00	May 28 1973
INSTANTANEOUS LOW FLOW			53	Sep 20		
ANNUAL RUNOFF (CFSM)	3.76		3.87		3.39	
ANNUAL RUNOFF (INCHES)	51.20		52.58		46.09	
10 PERCENT EXCEEDS	335		364		339	
50 PERCENT EXCEEDS	170		191		151	
90 PERCENT EXCEEDS	95		91		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 September 1997.

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 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 22...	1130	81341	167	14	14	6.9	6.5	5.5	7.5	11.2	94
FEB 17...	1100	81341	230	14	14	7.0	6.7	5.5	7.5	11.6	96
MAR 13...	1315	81341	250	14	14	6.9	6.7	10.5	12.0	10.3	98
APR 10...	1130	81341	268	14	14	7.0	6.5	9.0	10.5	10.6	97
MAY 15...	1535	81341	216	14	14	6.9	6.7	16.0	21.0	9.1	99
JUN 12...	1100	81341	205	16	16	7.1	6.9	15.0	27.5	9.1	97
JUL 17...	0930	81341	105	17	17	7.1	7.0	18.5	24.5	8.8	100
AUG 14...	0915	81341	116	17	18	6.9	6.8	18.5	24.5	9.0	102
SEP 11...	1145	81341	79	18	19	7.0	6.8	17.5	25.0	8.8	99

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	ALKA- LITY WAT WH TOT FET LAB MG/L AS CACO3 (00417)
JAN 22...	81341	<1.0	<1.0	5
FEB 17...	81341	<1.0	<1.0	6
MAR 13...	81341	1.0	<1.0	7
APR 10...	81341	1.0	<1.0	3
MAY 15...	81341	1.0	<1.0	8
JUN 12...	81341	3.0	<1.0	8
JUL 17...	81341	2.0	<1.0	8
AUG 14...	81341	1.0	<1.0	6
SEP 11...	81341	1.0	<1.0	8

SAVANNAH RIVER BASIN

02178400 TALLULAH RIVER NEAR CLAYTON, GA.--Continued

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

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)
JAN 22...	81341	0.040	<0.030	--	<0.10	--	<0.020	<1.0
FEB 17...	81341	0.030	<0.030	--	<0.10	--	<0.020	<1.0
MAR 13...	81341	<0.020	<0.030	--	<0.10	--	<0.020	<1.0
APR 10...	81341	0.040	<0.030	--	<0.10	--	<0.020	<1.0
MAY 15...	81341	<0.020	<0.030	--	<0.10	--	<0.020	<1.0
JUN 12...	81341	0.030	<0.030	0.10	0.10	0.13	<0.020	1.0
JUL 17...	81341	0.040	<0.030	--	<0.10	--	<0.020	2.0
AUG 14...	81341	0.040	0.100	2.5	2.6	2.6	<0.020	<1.0
SEP 11...	81341	0.030	0.030	--	<0.10	--	<0.020	1.0

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
JAN 22...	1130	81341	167	20
FEB 17...	1100	81341	230	<20
MAR 13...	1315	81341	250	80
APR 10...	1130	81341	268	20
MAY 15...	1535	81341	216	20
JUN 12...	1100	81341	205	310
JUL 17...	0930	81341	105	130
30...	0815	81213	219	1100
AUG 06...	0815	81213	125	50
14...	0915	81341	116	170
SEP 11...	1145	81341	79	230

SAVANNAH RIVER BASIN

02178400 TALLULAH RIVER NEAR CLAYTON, 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 31...	1140	81213	205	17	7.1	18.0	23.5	9.0	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)
JUL 31...	81213	1.3	0.49	<1.0	<2.0	<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 31...	81213	1.3	<2.0	<0.1	<1.0	<2.0	3.7

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 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 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...	1050	81341	48	183	172	7.0	6.8	11.0	14.0	10.6	98
FEB 25...	0645	81341	28	246	239	7.0	6.9	9.0	3.0	10.8	95
MAR 24...	0630	81341	25	199	189	6.9	7.0	10.5	0.0	10.4	95
APR 28...	0550	81341	57	87	82	6.8	6.7	14.0	13.0	9.5	96
MAY 28...	0530	81341	20	107	94	7.1	7.1	16.0	14.0	9.2	95
JUN 24...	0530	81341	19	355	347	7.0	7.1	22.0	21.0	7.7	90
JUL 09...	1130	81341	15	350	335	7.2	7.2	21.5	30.5	8.9	104
AUG 27...	0740	81341	13	581	565	7.4	7.1	19.0	17.0	7.2	80
SEP 25...	0730	81213	35	260	255	7.2	7.0	16.0	14.0	8.2	86

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	ALKA- LINITY WAT WH TOT 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)
JAN 28...	81341	--	2.1	19	0.500	0.170	0.180	2.0
FEB 25...	81341	8.0	1.6	18	1.43	0.220	0.140	2.0
MAR 24...	81341	10	1.4	20	1.45	0.060	0.130	2.0
APR 28...	81341	130	3.9	12	0.700	0.080	0.390	5.0
MAY 28...	81341	8.0	1.3	20	1.25	0.040	0.150	2.0
JUN 24...	81341	18	<1.0	32	1.46	<0.030	0.480	3.0
JUL 09...	81341	6.0	<1.0	28	1.67	0.040	0.410	3.0
AUG 27...	81341	6.0	1.2	36	1.71	0.040	0.600	3.0
SEP 25...	81213	36	2.4	25	1.05	<0.030	0.400	5.0

SAVANNAH RIVER BASIN

02183520 EASTANOLLEE CREEK NEAR AVALON, 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)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
JAN				
28...	1050	81341	48	130
FEB				
25...	0645	81341	28	80
MAR				
24...	0630	81341	25	330
APR				
28...	0550	81341	57	17000
MAY				
28...	0530	81341	20	2300
JUN				
24...	0530	81341	19	490
JUL				
09...	1130	81341	15	460
AUG				
27...	0740	81341	13	1700
SEP				
15...	0730	81213	10	790
17...	1110	81213	10	260
25...	0730	81213	35	4900

DATE	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...	1210	81213	14	417	7.2	23.5	32.0	7.6	92

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	5.8	1.5	3.6	<2.0	<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	<0.1	1.9	<2.0	12

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 Mar. 1-10, May 28.

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, 12.80 ft, Mar. 27 discharge 39,000 ft³/s; minimum daily discharge, 20 ft³/s Sept. 27, but may have been less during periods of backwater.

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	4110	3540	73	3440	489	---	6020	9410	e5600	e4400	4480	23
2	3930	65	7470	7200	86	---	e3700	9160	e4100	e3730	1420	4960
3	4480	64	5180	7180	3700	---	e2900	5810	e7500	e3710	841	5210
4	2610	5920	4160	71	2740	---	3310	4540	5760	e3010	4220	4540
5	1210	4370	3470	70	4710	---	58	7400	7340	e200	4590	3640
6	1160	4390	5320	4560	3420	---	57	6340	7480	e510	4680	22
7	2910	5070	709	6200	3650	---	3350	5960	5170	e3900	3240	22
8	3540	3970	1210	5420	85	---	3990	6150	4510	e3450	3330	4420
9	3950	63	4980	4690	83	---	2570	6030	5430	e3750	828	2780
10	3450	1860	7770	5500	4310	---	3250	3220	6290	4460	1180	3160
11	4430	4350	9180	3610	4800	11100	2520	2660	6500	3540	4450	3580
12	2550	5350	6260	1880	3570	12600	2820	4800	6230	2530	3950	2900
13	3440	5290	8560	4660	3600	12700	2550	4620	6390	2440	4150	22
14	2660	5060	1950	4800	3910	11700	4680	4550	e50	4990	4350	21
15	3230	3640	1130	3330	72	4410	4950	5450	e50	5250	3950	4010
16	4180	2240	5600	3190	187	3810	4870	3740	e6900	4670	3280	3600
17	2840	1900	5600	4660	5230	e10100	4670	57	e6500	5440	3000	4290
18	3020	4460	8100	4420	4200	e9700	5310	400	e6500	5540	5000	5260
19	2910	4830	8090	2070	4250	11000	4030	4630	e6380	24	3680	3760
20	571	5130	13200	3200	3240	9930	3790	4650	e6100	24	3480	2310
21	3330	4690	7070	2720	4170	11000	4360	6510	e3200	5260	4060	230
22	3710	4890	3180	2290	906	4810	3890	5970	e2070	4140	2290	3120
23	2520	2780	4510	3210	887	5500	7420	6700	e5440	4390	198	3770
24	2960	1310	4560	3030	6070	11400	9200	6280	e6500	3990	23	3660
25	3210	5870	4430	79	6550	11900	4940	6360	e6400	3240	4680	3690
26	1240	5650	5710	460	4600	10100	469	6400	e6500	2750	3490	2730
27	266	6530	4930	4220	4900	9890	881	8440	e6350	2090	4030	20
28	3980	6820	2920	3700	6050	8920	9460	---	e100	6220	4520	685
29	4790	6330	2170	3800	---	3690	9280	6250	e120	5490	4050	3440
30	2450	62	5790	4450	---	4400	10300	4260	e3800	5320	23	4160
31	3750	---	6220	2940	---	5950	---	e5000	---	4730	641	---
TOTAL	93387	116494	159502	111050	90465	---	129595	---	151260	113188	96104	84035
MEAN	3012	3883	5145	3582	3231	---	4320	---	5042	3651	3100	2801
MAX	4790	6820	13200	7200	6550	---	10300	---	7500	6220	5000	5260
MIN	266	62	73	70	72	---	57	---	50	24	23	20

e Estimated

SAVANNAH RIVER BASIN

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

WATER-QUALITY RECORDS

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 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 16...	1015	81341	9300	34	35	6.7	6.7	10.0	8.0	10.1	92
FEB 11...	0815	81341	16800	36	33	6.9	6.8	7.0	1.0	10.8	90
MAR 11...	0805	81341	24400	35	35	6.9	6.5	11.0	12.0	10.1	94
APR 21...	0645	81341	9220	36	37	6.9	6.5	10.0	9.0	10.7	98
MAY 13...	0615	81341	13100	37	37	6.9	6.8	12.0	16.0	10.0	96
JUN 10...	0610	81341	47	36	35	6.5	6.5	14.0	16.0	9.7	95
JUL 15...	0620	81341	23	36	35	6.5	6.3	16.0	21.0	9.3	96
AUG 12...	0615	81341	23	37	35	6.5	6.3	17.0	19.0	9.3	97
SEP 09...	0645	81341	22	36	36	6.5	6.7	18.0	19.0	9.0	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)	ALKA- LITY WAT WH TOT 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 16...	81341	1.0	<1.0	--	8	--	0.070	0.060	<0.020	1.0
FEB 11...	81341	1.0	<1.0	6	10	<1	0.080	0.050	<0.020	2.0
MAR 11...	81341	1.0	<1.0	--	9	1	0.130	<0.030	<0.020	1.0
APR 21...	81341	1.0	1.0	--	8	<1	0.160	<0.030	<0.020	1.0
MAY 13...	81341	1.0	<1.0	6	8	2	0.190	0.040	<0.020	1.0
JUN 10...	81341	1.0	<1.0	14	10	<1	0.140	0.030	<0.020	1.0
JUL 15...	81341	1.0	<1.0	6	10	1	0.190	<0.030	<0.020	2.0
AUG 12...	81341	<1.0	<1.0	10	10	3	0.230	<0.030	<0.020	2.0
SEP 09...	81341	1.0	<1.0	4	12	<1	0.150	<0.030	<0.020	2.0

SAVANNAH RIVER BASIN

02187252 SAVANNAH RIVER BELOW HARTWELL LAKE 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)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
JAN				
16...	1015	81341	9300	<20
FEB				
11...	0815	81341	16800	40
MAR				
11...	0805	81341	24400	<20
APR				
21...	0645	81341	9220	<20
MAY				
13...	0615	81341	13100	<20
JUN				
10...	0610	81341	47	<20
JUL				
15...	0620	81341	23	<20
29...	0640	81213	23	<20
AUG				
04...	0620	81213	24	<20
12...	0615	81341	23	<20
SEP				
09...	0645	81341	22	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)
JUL									
29...	0845	81213	23	35	6.6	17.0	32.0	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)
JUL								
29...	81213	1.8	0.73	<1.0	<2.0	<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	2.7	<2.0	<0.1	<1.0	<2.0	3.3

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 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 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 16...	0945	81341	54	76	75	6.8	6.4	8.0	8.0	7.9	68
FEB 11...	0750	81341	47	87	82	6.9	6.8	7.0	1.0	11.1	93
MAR 11...	0745	81341	48	81	78	6.9	6.7	15.0	12.0	9.4	95
APR 21...	0620	81341	42	116	112	7.2	7.1	13.0	6.0	9.1	89
MAY 13...	0545	81341	42	84	81	7.2	6.9	15.0	13.0	9.2	94
JUN 10...	0545	81341	42	111	105	7.2	7.1	17.0	15.0	9.0	95
JUL 15...	0550	81341	33	131	126	7.2	7.2	22.0	21.0	7.5	88
AUG 12...	0540	81341	38	--	148	7.3	7.3	20.0	18.0	8.6	--
SEP 09...	0615	81341	34	226	222	7.6	7.8	19.0	21.0	8.2	91

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)
JAN 16...	81341	190	4.3	--	13	--	1.34	.080	.420	4.0
FEB 11...	81341	13	1.4	16	22	12	.660	.210	.050	3.0
MAR 11...	81341	15	1.1	--	20	24	.800	.210	.090	4.0
APR 21...	81341	12	1.4	--	26	36	.750	.040	.120	3.0
MAY 13...	81341	14	<1.0	8	17	21	.700	.060	.110	2.0
JUN 10...	81341	35	<1.0	20	28	68	.730	.050	.160	3.0
JUL 15...	81341	14	<1.0	20	31	20	.590	<.030	.150	3.0
AUG 12...	81341	19	<1.0	14	42	32	.650	<.030	.230	3.0
SEP 09...	81341	26	1.1	14	60	48	.680	.070	.250	5.0

SAVANNAH RIVER BASIN

02187440 CEDAR CREEK NEAR MONTEVIDEO, 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)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
JAN 16...	0945	81341	54	4900
FEB 11...	0750	81341	47	260
MAR 11...	0745	81341	48	790
APR 21...	0620	81341	42	790
MAY 13...	0545	81341	42	1100
JUN 10...	0545	81341	42	3300
JUL 15...	0550	81341	33	490
29...	0610	81213	32	1100
AUG 04...	0545	81213	37	790
12...	0540	81341	38	2300
SEP 09...	0615	81341	34	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)
JUL 29...	1025	81213	36	155	7.5	23.5	36.0	7.1	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)
JUL 29...	81213	4.8	1.3	<1.0	<2.0	<0.5	1.4	2.0

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	1.9	<2.0	<0.1	3.3	<2.0	18

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 September 1997.

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 1996 TO SEPTEMBER 1997

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)
JAN 16...	0900	81341	22.87	36	35	6.8	6.7	10.0	8.0	8.6	78
FEB 11...	0700	81341	23.42	37	35	7.1	6.8	8.0	1.0	11.0	94
MAR 11...	0700	81341	24.22	38	36	6.8	7.3	12.5	12.0	10.1	97
APR 21...	0530	81341	21.17	38	36	7.2	7.1	14.0	9.0	9.8	98
MAY 13...	0500	81341	21.15	38	38	7.2	6.9	18.0	14.0	8.7	95
JUN 10...	0500	81341	21.13	38	37	7.1	6.9	17.0	16.0	9.2	96
JUL 15...	0500	81341	21.19	39	39	7.5	7.2	27.0	24.0	7.1	91
AUG 12...	0500	81341	21.13	40	40	7.4	7.5	25.0	22.0	6.9	85
SEP 09...	0530	81341	21.11	40	41	7.6	7.8	25.0	21.0	6.9	86

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	ALKA- LITY WAT WH TOT 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)
JAN 16...	81341	2.0	1.0	11	0.100	<0.030	<0.020	1.0
FEB 11...	81341	2.0	<1.0	10	0.100	0.030	<0.020	2.0
MAR 11...	81341	6.0	<1.0	12	0.180	<0.030	0.020	2.0
APR 21...	81341	2.0	1.9	10	0.120	<0.030	0.020	2.0
MAY 13...	81341	2.0	1.4	9	0.060	<0.030	<0.020	2.0
JUN 10...	81341	1.0	1.4	11	0.060	<0.030	<0.020	2.0
JUL 15...	81341	1.0	<1.0	11	<0.020	<0.030	<0.020	3.0
AUG 12...	81341	1.0	1.0	12	0.040	<0.030	0.030	2.0
SEP 09...	81341	1.0	1.0	15	<0.020	<0.030	<0.020	3.0

SAVANNAH RIVER BASIN

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

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

		DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	GAGE HEIGHT (FEET) (00065)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)			
		JAN 16...	0900	81341	22.87	50			
		FEB 11...	0700	81341	23.42	<20			
		MAR 11...	0700	81341	24.22	20			
		APR 21...	0530	81341	21.17	<20			
		MAY 13...	0500	81341	21.15	<20			
		JUN 10...	0500	81341	21.13	<20			
		JUL 15...	0500	81341	21.19	<20			
		29...	0530	81213	21.08	<20			
		AUG 04...	0515	81213	21.11	<20			
		12...	0500	81341	21.13	<20			
		SEP 09...	0530	81341	21.11	<20			
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 29...	1140	81213	21.89	38	7.1	30.0	33.0	7.8	105
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	2.0	0.86	<1.0	<2.0	<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	1.9	<2.0	<0.1	<1.0	<2.0	3.1	

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 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 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 16...	1100	81341	E1700	51	51	6.3	6.9	9.0	8.0	8.5	75
FEB 11...	0900	81341	930	53	51	7.0	6.9	6.0	1.0	11.9	97
MAR 11...	1420	81341	1130	51	49	7.1	7.0	17.0	26.5	9.5	99
APR 21...	0730	81341	700	54	53	7.0	7.3	14.0	10.0	9.6	96
MAY 06...	1645	81341	1230	48	46	7.3	7.2	18.0	27.5	9.0	96
JUN 10...	0710	81341	670	55	53	7.0	7.2	18.0	17.0	9.0	96
JUL 15...	0715	81341	410	59	57	7.0	7.0	24.0	22.0	7.4	90
AUG 12...	0715	81341	460	58	57	7.2	7.2	22.0	20.0	8.0	93
SEP 09...	0745	81341	365	61	62	7.2	7.2	21.0	19.0	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)	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)
JAN 16...	81341	32	1.2	--	14	--	.610	.050	.080	2.0
FEB 11...	81341	19	<1.0	16	17	23	.430	<.030	.020	1.0
MAR 11...	81341	25	<1.0	--	16	39	.550	<.030	.060	2.0
APR 21...	81341	12	1.2	--	13	20	.430	<.030	.040	1.0
MAY 06...	81341	38	<1.0	14	14	52	.500	--	.080	3.0
JUN 10...	81341	16	<1.0	16	16	24	.530	<.030	.040	1.0
JUL 15...	81341	15	<1.0	18	21	17	.530	<.030	.040	2.0
AUG 12...	81341	17	<1.0	16	20	31	.400	<.030	.040	2.0
SEP 09...	81341	9.0	<1.0	14	13	11	.360	<.030	.060	2.0

SAVANNAH RIVER BASIN

02191267 BROAD RIVER NEAR DANIELSVILLE, 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)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
JAN				
16...	1100	81341	E1700	5900
FEB				
11...	0900	81341	930	460
MAR				
11...	1420	81341	1130	460
APR				
21...	0730	81341	700	410
MAY				
06...	1645	81341	1230	700
JUN				
10...	0710	81341	670	380
JUL				
15...	0715	81341	410	560
29...	0720	81213	575	330
AUG				
04...	0720	81213	600	80
12...	0715	81341	460	220
SEP				
09...	0745	81341	365	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)
JUL									
29...	1725	81213	555	56	7.3	28.5	35.0	7.6	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)
JUL								
29...	81213	3.8	1.8	<1.0	<2.0	<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	2.0	<2.0	<0.1	<1.0	<2.0	3.8

SAVANNAH RIVER BASIN

02191800 FALLING CREEK NEAR FORTSONIA, GA.

LOCATION.--Lat 34°00'10", long 82°48'32", Elbert County, Hydrologic Unit 03060104, at downstream side of bridge on County Road 50, 1.9 mi downstream from Dry Fork Creek, 1.7 mi southwest of Fortsonia, and 2.4 mi above mouth.

DRAINAGE AREA.--41.3 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 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)
FEB											
12...	0845	81341	58	97	91	7.0	7.2	7.0	0.0	11.6	96
MAR											
12...	0620	81341	49	111	106	7.0	7.0	13.0	6.0	9.6	92
APR											
22...	0515	81341	22	108	100	7.1	7.3	17.0	17.0	9.0	96
MAY											
14...	0500	81341	33	105	101	7.1	7.3	12.0	5.0	10.1	95
JUN											
11...	0500	81341	27	107	100	7.3	7.5	18.0	17.0	9.0	96
JUL											
16...	0430	81341	28	110	105	7.1	7.4	22.5	20.5	8.0	94
AUG											
13...	0545	81341	32	129	127	7.4	7.4	22.0	20.0	8.1	94
SEP											
10...	0530	81341	27	120	116	7.1	7.2	21.0	20.0	8.3	95

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)
FEB										
12...	81341	26	1.5	28	28	21	.350	.040	.050	2.0
MAR										
12...	81341	19	<1.0	--	30	21	.560	<.030	.060	2.0
APR										
22...	81341	10	<1.0	--	31	13	.670	<.030	.070	2.0
MAY										
14...	81341	13	<1.0	26	28	14	.680	<.030	.080	2.0
JUN										
11...	81341	12	<1.0	36	32	15	.960	<.030	.090	2.0
JUL										
16...	81341	13	<1.0	28	32	9	.910	<.030	.080	2.0
AUG										
13...	81341	10	<1.0	28	33	17	.650	<.030	.080	2.0
SEP										
10...	81341	10	2.9	26	33	20	.690	<.030	.190	5.0

SAVANNAH RIVER BASIN

02191800 FALLING CREEK NEAR FORTSONIA, 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)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)			
		FEB							
		12...	0845	81341	58	310			
		MAR							
		12...	0620	81341	49	940			
		APR							
		22...	0515	81341	22	330			
		MAY							
		14...	0500	81341	33	410			
		JUN							
		11...	0500	81341	27	1300			
		JUL							
		16...	0430	81341	28	140			
		30...	0520	81213	29	490			
		AUG							
		05...	1250	81213	34	170			
		13...	0545	81341	32	230			
		SEP							
		10...	0530	81341	27	160000			

DATE	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...	1400	81213	28	115	7.4	24.5	24.5	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)
JUL 30...	81213	7.7	3.2	<1.0	<2.0	<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	1.1	<2.0	<0.1	<1.0	<2.0	2.1

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 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 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)
FEB 12...	0940	81341	27	73	71	7.2	7.3	7.0	0.0	11.0	91
MAR 12...	0710	81341	24	77	74	7.1	7.0	15.0	5.0	9.1	91
APR 22...	0605	81341	13	85	84	7.4	7.4	17.0	16.0	8.9	94
MAY 14...	0600	81341	10	81	80	7.3	7.7	14.0	5.0	9.3	92
JUN 11...	0600	81341	10	91	88	7.4	7.5	19.0	17.0	8.9	97
JUL 16...	0530	81341	4.0	110	105	7.3	7.4	24.0	20.0	7.5	90
AUG 13...	0645	81341	5.5	102	102	7.3	7.4	23.0	21.0	7.8	92
SEP 10...	0630	81341	3.6	114	111	7.4	7.3	21.0	20.0	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)	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)
FEB 12...	81341	13	1.6	20	27	7	.080	.250	<.020	4.0
MAR 12...	81341	12	<1.0	--	27	12	.060	<.030	.030	3.0
APR 22...	81341	10	1.0	--	38	10	.040	<.030	.040	3.0
MAY 14...	81341	13	<1.0	24	35	11	.070	<.030	.040	3.0
JUN 11...	81341	13	<1.0	40	42	11	.080	.030	.040	3.0
JUL 16...	81341	9.0	<1.0	34	46	6	.100	<.030	.040	4.0
AUG 13...	81341	7.0	<1.0	34	42	4	.080	<.030	.040	3.0
SEP 10...	81341	21	1.5	32	49	57	.030	<.030	.050	3.0

SAVANNAH RIVER BASIN

02191982 CLARK CREEK NEAR TIGNALL, 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)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
FEB				
12...	0940	81341	27	170
MAR				
12...	0710	81341	24	1300
APR				
22...	0605	81341	13	130
MAY				
14...	0600	81341	10	490
JUN				
11...	0600	81341	10	950
JUL				
16...	0530	81341	4.0	490
30...	0600	81213	6.8	490
AUG				
05...	1445	81213	7.3	20
13...	0645	81341	5.5	230
SEP				
10...	0630	81341	3.6	1700

DATE	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...	1050	81213	7.0	99	7.4	25.5	28.0	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)
JUL								
30...	81213	8.9	2.4	<1.0	<2.0	<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	<1.0	<2.0	<0.1	<1.0	<2.0	4.5

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)
Mar. 1	2300	*27,800	24.36	No other peak greater than base 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	1460	618	2060	1000	1580	23300	e1450	2890	1510	907	1830	e400
2	1100	762	5440	995	1490	23400	e1400	2240	1610	887	1350	e390
3	1050	963	3630	985	1420	10700	e1350	4850	1310	870	943	e380
4	1140	818	2090	970	1410	4460	e1300	8430	1180	794	802	e380
5	1170	722	1670	1030	1400	3380	e1300	3980	1160	731	730	e370
6	918	713	1440	1300	1510	2940	e1250	2480	1050	682	674	e360
7	804	715	1290	1350	1380	2630	e1350	2000	1020	658	651	e360
8	1020	1410	1260	1360	2290	2330	e1350	1720	1010	663	731	e350
9	1190	2500	1150	5530	2990	2130	e1300	1580	1010	737	702	e340
10	935	1700	1040	9670	2180	1990	e1300	1460	998	760	668	e340
11	790	1150	983	4670	1840	1890	e1250	1340	982	875	728	e480
12	721	955	987	2540	1650	1770	e1250	1270	968	771	701	e600
13	689	868	1580	1990	2780	1730	e1400	1230	1630	698	660	e500
14	669	824	2080	1690	7720	1970	e1350	1170	2270	664	659	e450
15	659	805	1500	1510	10800	3020	e1250	1130	2230	654	691	e410
16	649	772	1260	2290	10800	2280	1160	1100	2340	644	702	e390
17	641	745	1210	2990	4250	1950	1130	1050	1640	663	683	e380
18	635	749	1250	2100	2860	1790	1090	1020	1830	740	636	e370
19	625	874	1300	1690	2450	1690	1060	1010	1810	732	586	e360
20	616	966	1260	1540	2190	1670	1100	1060	1410	663	557	e350
21	604	901	1120	1440	2050	1620	1140	1120	1170	649	e520	e340
22	597	869	1040	1370	2810	1550	1150	1030	e1050	629	e500	e340
23	595	851	1020	1340	2550	1480	1720	1000	e1000	646	e490	e340
24	593	806	1040	1360	2030	e1400	1640	990	e1000	2540	e470	e340
25	595	778	1050	2070	1840	e1350	1310	980	e950	2400	e440	1930
26	595	857	1030	4060	1800	3470	1160	986	902	1400	e430	4450
27	602	985	979	2460	1940	2570	1840	1000	908	1010	e420	2220
28	621	901	988	2020	5960	1850	9060	1000	1550	862	e410	1500
29	653	821	1010	2170	---	1900	10500	1010	1210	801	e410	1570
30	650	793	1020	1910	---	1940	5530	1060	1000	750	e400	1560
31	639	---	1020	1720	---	1640	---	1390	---	1020	e400	---
TOTAL	24225	28191	45797	69120	85970	117790	60440	54576	39708	27500	20574	22550
MEAN	781	940	1477	2230	3070	3800	2015	1761	1324	887	664	752
MAX	1460	2500	5440	9670	10800	23400	10500	8430	2340	2540	1830	4450
MIN	593	618	979	970	1380	1350	1060	980	902	629	400	340
CFSM	.55	.66	1.03	1.56	2.15	2.66	1.41	1.23	.93	.62	.46	.53
IN.	.63	.73	1.19	1.80	2.24	3.06	1.57	1.42	1.03	.72	.54	.59

SAVANNAH RIVER BASIN

02192000 BROAD RIVER NEAR BELL, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1927 - 1997, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	1117	1282	1811	2464	2850	3299	2455	1743	1390	1186	1097	902
MAX	5768	6158	5506	5373	5939	10130	7718	4496	4279	3171	5319	4472
(WY)	1930	1949	1984	1974	1961	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 1996 CALENDAR YEAR		FOR 1997 WATER YEAR		WATER YEARS 1927 - 1997	
ANNUAL TOTAL	737442		596441		1800	
ANNUAL MEAN	2015		1634		3261	
HIGHEST ANNUAL MEAN					1964	
LOWEST ANNUAL MEAN					692	
HIGHEST DAILY MEAN	29800	Mar 8	23400	Mar 2	70600	Oct 2 1929
LOWEST DAILY MEAN	474	Sep 15	340	Sep 9,10,21-24	96	Jul 23 1986
ANNUAL SEVEN-DAY MINIMUM	561	Sep 10	349	Sep 18	106	Jul 19 1986
INSTANTANEOUS PEAK FLOW			27800	Mar 1	a79400	Oct 2 1929
INSTANTANEOUS PEAK STAGE			24.36	Mar 1	34.80	Oct 2 1929
ANNUAL RUNOFF (CFSM)	1.41		1.14		1.26	
ANNUAL RUNOFF (INCHES)	19.18		15.52		17.10	
10 PERCENT EXCEEDS	3420		2540		3120	
50 PERCENT EXCEEDS	1250		1100		1150	
90 PERCENT EXCEEDS	625		590		514	

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 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 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)
FEB 12...	0915	81341	1670	57	56	7.2	7.0	7.0	0.0	11.1	92
MAR 12...	0645	81341	1800	57	55	7.0	6.8	15.0	8.0	9.2	92
APR 22...	0540	81341	1100	57	56	7.4	7.2	18.0	17.0	8.9	97
MAY 14...	0530	81341	1180	58	58	7.3	7.2	16.0	8.0	9.1	94
JUN 11...	0530	81341	986	56	54	7.3	7.2	20.0	18.0	8.5	95
JUL 16...	0500	81341	648	64	63	7.3	7.2	26.0	22.0	7.0	88
AUG 13...	0615	81341	660	57	57	7.3	7.3	25.0	23.0	7.4	90
SEP 10...	0600	81341	442	60	60	7.4	7.4	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)	ALKA- LINITY WAT WH TOT 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)
FEB 12...	81341	21	1.4	20	0.380	0.050	0.030	2.0
MAR 12...	81341	23	<1.0	18	0.380	<0.030	0.050	2.0
APR 22...	81341	10	<1.0	23	0.320	<0.030	0.030	2.0
MAY 14...	81341	18	<1.0	19	0.370	<0.030	0.050	2.0
JUN 11...	81341	17	<1.0	21	0.460	<0.030	0.040	1.0
JUL 16...	81341	16	<1.0	24	0.350	<0.030	0.040	2.0
AUG 13...	81341	16	<1.0	19	0.370	<0.030	0.040	1.0
SEP 10...	81341	8.0	<1.0	24	0.250	<0.030	0.030	1.0

SAVANNAH RIVER BASIN

02192000 BROAD RIVER NEAR BELL, GA.--Continued

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

		AGENCY ANA- LYZING SAMPLE (CODE NUMBER)	DIS- CHARGE, INST. CUBIC FEET PER SECOND			COLI- FORM, FECAL, EC BROTH (MPN)
DATE		TIME	(00028)	(00061)	(31615)	
FEB						
12...		0915		81341	1670	230
MAR						
12...		0645		81341	1800	50
APR						
22...		0540		81341	1100	20
MAY						
14...		0530		81341	1180	110
JUN						
11...		0530		81341	986	110
JUL						
16...		0500		81341	648	80
30...		0545		81213	747	130
AUG						
05...		1400		81213	723	80
13...		0615		81341	660	110
SEP						
10...		0600		81341	442	790

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)
JUL 30...	1240	81213	736	58	7.3	28.5	24.5	7.0	92

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)
JUL 30...	81213	3.7	2.0	<1.0	<2.0	<0.5	1.2	1.2

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)
JUL 30...	81213	2.5	<2.0	<0.10	<1.0	<2.0	4.6

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 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 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)
FEB 12...	1020	81341	3.5	89	86	7.4	7.3	6.0	4.0	12.7	103
MAR 12...	0735	81341	1.1	95	93	7.4	7.2	12.0	5.0	10.2	96
APR 22...	0640	81341	1.0	111	--	7.6	7.5	16.0	15.0	9.1	95
MAY 14...	0630	81341	1.8	101	99	7.6	7.4	12.0	6.0	9.7	92
JUN 11...	0630	81341	.80	113	108	7.7	7.6	17.0	17.0	9.1	95
JUL 16...	0600	81341	.90	117	114	7.7	7.8	23.0	21.0	7.4	87
AUG 13...	0715	81341	.90	119	120	7.6	7.7	22.0	23.0	8.0	92
SEP 10...	0700	81341	.80	120	117	7.6	7.6	21.0	20.0	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)	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)
FEB 12...	81341	17	1.1	30	34	2	.120	.070	.020	2.0
MAR 12...	81341	8.0	<1.0	--	36	2	.080	<.030	<.020	2.0
APR 22...	81341	5.0	1.0	--	45	2	.140	<.030	.040	2.0
MAY 14...	81341	7.0	<1.0	30	32	<1	.190	<.030	.030	2.0
JUN 11...	81341	6.0	<1.0	40	47	2	.200	.040	.030	2.0
JUL 16...	81341	6.0	<1.0	40	48	4	.150	<.030	.030	3.0
AUG 13...	81341	6.0	<1.0	44	51	4	.140	<.030	.040	2.0
SEP 10...	81341	7.0	1.1	40	52	5	.080	<.030	.030	3.0

SAVANNAH RIVER BASIN

02192140 PISTOL CREEK NEAR TIGNALL, 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)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
FEB				
12...	1020	81341	3.5	330
MAR				
12...	0735	81341	1.1	1700
APR				
22...	0640	81341	1.0	170
MAY				
14...	0630	81341	1.8	130
JUN				
11...	0630	81341	.80	170
JUL				
16...	0600	81341	.90	330
30...	0630	81213	1.4	330
AUG				
05...	1600	81213	.90	130
13...	0715	81341	.90	130
SEP				
10...	0700	81341	.80	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)
JUL									
30...	0935	81213	1.1	115	7.6	24.5	27.0	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)
JUL								
30...	81213	9.3	3.8	<1.0	<2.0	<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	<1.0	<2.0	<0.1	<1.0	<2.0	3.0

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 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 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)
FEB											
12...	1115	81341	133	90	86	7.3	7.2	6.5	4.0	11.1	91
MAR											
12...	0815	81341	107	94	93	7.2	7.1	15.0	8.0	9.7	97
APR											
22...	0730	81341	50	113	112	7.6	7.4	16.5	15.0	9.0	95
MAY											
14...	0730	81341	46	110	107	7.6	7.5	14.0	8.0	9.6	95
JUN											
11...	0715	81341	24	117	112	7.7	7.5	19.0	17.0	8.6	94
JUL											
16...	0700	81341	19	136	132	7.6	7.7	24.0	21.0	7.1	85
AUG											
13...	0745	81341	23	125	126	7.5	7.6	24.0	24.0	7.5	90
SEP											
10...	0745	81341	8.8	138	136	7.5	7.5	21.0	20.0	8.0	91

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)
FEB										
12...	81341	21	1.4	32	35	12	.090	.030	.030	4.0
MAR										
12...	81341	14	<1.0	--	35	16	.060	<.030	.040	3.0
APR										
22...	81341	10	<1.0	--	50	11	.050	<.030	.040	3.0
MAY										
14...	81341	13	<1.0	32	48	12	.130	.040	.040	3.0
JUN										
11...	81341	14	<1.0	40	54	16	.140	<.030	.030	2.0
JUL										
16...	81341	13	<1.0	48	61	11	.150	<.030	.040	3.0
AUG										
13...	81341	12	<1.0	44	57	9	.130	<.030	.040	3.0
SEP										
10...	81341	8.0	<1.0	46	64	11	.070	<.030	.030	3.0

SAVANNAH RIVER BASIN

02193325 LITTLE RIVER AT COUNTY ROAD 192, NEAR WASHINGTON, 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)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
FEB				
12...	1115	81341	133	200
MAR				
12...	0815	81341	107	130
APR				
22...	0730	81341	50	490
MAY				
14...	0730	81341	46	460
JUN				
11...	0715	81341	24	330
JUL				
16...	0700	81341	19	230
30...	0715	81213	38	330
AUG				
05...	1730	81213	43	1100
13...	0745	81341	23	490
SEP				
10...	0745	81341	8.8	790

DATE	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									
07...	1340	81213	30	117	7.6	24.0	33.0	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)
AUG								
07...	81213	9.9	3.9	<1.0	<2.0	<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							
07...	81213	<1.0	<2.0	<0.1	<1.0	<2.0	3.2

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 Oct. 20 to Nov. 13 and those for the period of estimated daily discharge, 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)
Dec. 1	1300	987	8.54	Feb. 15	0600	1,130	9.07
Jan. 9	0730	1,210	9.35	Feb. 28	2345	*2,310	*12.87

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	27	14	297	13	15	616	e17	e50	17	9.4	30	5.2
2	28	16	55	13	15	93	e16	e31	13	9.1	15	5.0
3	19	13	23	13	15	55	e16	e54	11	7.9	12	4.7
4	12	10	17	13	15	42	e16	e78	11	7.4	10	4.9
5	11	12	15	25	16	37	e15	e36	10	6.6	9.3	4.6
6	9.9	13	14	20	14	36	e16	e29	10	6.4	8.4	4.4
7	9.9	12	15	22	14	31	e17	20	10	6.3	7.9	4.2
8	57	47	15	47	120	29	e17	18	10	7.3	7.8	3.8
9	27	21	12	663	40	27	e16	17	10	7.0	7.6	3.7
10	10	14	12	95	27	27	e14	16	9.6	7.4	7.9	5.0
11	8.5	12	12	39	24	25	e14	15	11	6.5	7.8	5.7
12	7.5	e10	34	27	21	24	e15	15	12	6.4	7.5	5.1
13	7.1	e9.0	156	23	183	24	e15	14	28	5.8	7.2	5.0
14	7.0	8.9	29	20	354	29	e14	13	26	5.5	7.3	4.4
15	6.8	8.4	21	19	600	26	e14	13	22	5.3	7.2	3.8
16	6.5	8.1	18	135	97	22	e13	12	14	4.9	6.8	3.8
17	6.7	8.3	18	38	52	22	e13	12	13	8.4	7.1	3.8
18	6.8	9.5	16	26	38	21	e13	11	15	6.5	8.9	3.8
19	6.9	13	23	23	33	22	e12	11	15	5.6	6.9	4.0
20	7.3	10	17	21	30	22	e14	11	12	5.1	12	3.6
21	9.2	9.3	16	19	125	21	e14	11	11	4.8	22	3.3
22	9.2	9.0	15	18	192	20	e14	10	10	17	13	2.8
23	9.5	8.5	15	18	51	19	e20	9.9	9.9	27	10	3.2
24	9.6	8.5	15	18	37	19	e21	10	9.1	194	8.4	3.7
25	9.8	8.6	15	24	32	19	e17	12	8.8	34	7.2	211
26	10	9.6	13	19	31	e25	e17	12	17	15	6.5	52
27	10	8.6	14	17	30	e24	e23	16	9.7	12	6.0	28
28	11	8.2	14	18	506	e23	e140	14	11	14	5.9	22
29	12	8.4	14	16	---	e21	e140	12	9.7	11	5.6	19
30	14	8.8	13	16	---	e20	e105	12	8.9	10	5.5	14
31	14	---	13	16	---	e19	---	12	---	55	5.3	---
TOTAL	400.2	356.7	976	1494	2727	1460	808	606.9	384.7	528.6	290.0	447.5
MEAN	12.9	11.9	31.5	48.2	97.4	47.1	26.9	19.6	12.8	17.1	9.35	14.9
MAX	57	47	297	663	600	616	140	78	28	194	30	211
MIN	6.5	8.1	12	13	14	19	12	9.9	8.8	4.8	5.3	2.8
CFSM	.38	.35	.93	1.42	2.87	1.39	.79	.58	.38	.50	.28	.44
IN.	.44	.39	1.07	1.64	2.99	1.60	.89	.67	.42	.58	.32	.49

e Estimated

SAVANNAH RIVER BASIN

02193340 KETTLE CREEK NEAR WASHINGTON, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1986 - 1997, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	22.7	22.7	23.1	44.8	61.1	61.1	30.7	17.3	13.3	11.7	17.5	10.1
MAX	89.7	91.5	45.6	101	137	111	50.1	49.6	39.6	45.9	78.7	25.1
(WY)	1990	1993	1993	1993	1995	1993	1989	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 1996 CALENDAR YEAR		FOR 1997 WATER YEAR		WATER YEARS 1986 - 1997	
ANNUAL TOTAL	11883.4		10479.6		28.2	
ANNUAL MEAN	32.5		28.7		43.4	
HIGHEST ANNUAL MEAN					10.4	
LOWEST ANNUAL MEAN					2170	
HIGHEST DAILY MEAN	1140	Mar 7	663	Jan 9	.12	Oct 1 1989
LOWEST DAILY MEAN	4.4	Sep 13	2.8	Sep 22	.23	Aug 28 1988
ANNUAL SEVEN-DAY MINIMUM	4.9	Sep 13	3.5	Sep 18	a4150	Aug 23 1988
INSTANTANEOUS PEAK FLOW			2310	Feb 28	17.68	Oct 1 1989
INSTANTANEOUS PEAK STAGE			12.87	Feb 28	.83	Oct 1 1989
ANNUAL RUNOFF (CFSM)	.96		.85		11.31	
ANNUAL RUNOFF (INCHES)	13.04		11.50		46	
10 PERCENT EXCEEDS	53		38		12	
50 PERCENT EXCEEDS	14		14		2.8	
90 PERCENT EXCEEDS	6.8		6.2			

a 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)
Feb. 15	2130	*4,160	*19.16	Mar. 1	1730	3,790	18.61

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	1040	61	601	123	163	2940	127	365	106	65	261	41
2	358	67	1360	123	155	2970	120	232	95	67	162	40
3	391	74	685	122	149	1560	117	395	87	64	110	39
4	175	71	300	119	147	529	115	645	81	60	89	39
5	112	68	207	161	150	406	112	430	79	55	89	38
6	84	83	172	231	151	365	114	235	78	53	75	36
7	79	77	157	199	141	317	121	177	77	51	66	36
8	487	138	171	234	559	271	115	149	78	52	63	35
9	320	267	152	1960	671	242	106	136	77	53	60	35
10	150	168	133	2670	370	224	101	127	74	54	59	35
11	105	111	125	1630	282	211	99	116	72	53	60	39
12	84	89	131	596	229	194	105	109	79	52	59	39
13	75	80	754	355	391	194	110	106	178	50	57	39
14	70	76	490	288	1820	245	103	101	171	48	57	39
15	66	73	275	247	3300	242	97	96	191	51	71	36
16	63	69	205	802	3190	198	95	91	158	47	63	34
17	62	67	186	725	1530	174	93	88	123	78	55	34
18	61	69	177	391	546	166	90	85	127	74	58	33
19	59	90	228	301	414	166	89	82	138	56	65	33
20	58	93	206	257	349	164	106	81	113	51	60	33
21	57	85	170	227	347	159	106	78	93	47	88	31
22	57	78	154	208	1550	154	106	76	88	53	65	30
23	57	72	148	210	1070	144	153	73	81	74	57	30
24	56	71	145	201	461	137	158	72	76	459	51	32
25	55	70	148	229	361	132	122	78	74	556	49	336
26	57	75	138	230	316	166	103	87	75	257	47	827
27	57	74	134	195	300	186	156	90	71	155	45	423
28	58	70	137	186	593	167	1250	95	70	140	44	274
29	61	67	134	183	---	165	1250	95	69	100	43	222
30	61	68	131	176	---	157	901	90	67	85	42	146
31	62	---	127	171	---	138	---	87	---	141	42	---
TOTAL	4537	2621	8281	13750	19705	13483	6440	4767	2946	3201	2212	3084
MEAN	146	87.4	267	444	704	435	215	154	98.2	103	71.4	103
MAX	1040	267	1360	2670	3300	2970	1250	645	191	556	261	827
MIN	55	61	125	119	141	132	89	72	67	47	42	30
CFSM	.50	.30	.92	1.52	2.42	1.49	.74	.53	.34	.35	.25	.35
IN.	.58	.34	1.06	1.76	2.52	1.72	.82	.61	.38	.41	.28	.39

SAVANNAH RIVER BASIN

02193500 LITTLE RIVER NEAR WASHINGTON, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1950 - 1997, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	157	143	236	420	553	648	387	267	130	105	93.9	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 1996 CALENDAR YEAR		FOR 1997 WATER YEAR		WATER YEARS 1950 - 1997	
ANNUAL TOTAL	99304		85027			
ANNUAL MEAN	271		233		262	
HIGHEST ANNUAL MEAN					500	1964
LOWEST ANNUAL MEAN					107	1954
HIGHEST DAILY MEAN	6670	Feb 3	3300	Feb 15	13400	Mar 3 1971
LOWEST DAILY MEAN	29	Sep 10	30	Sep 22	.32	Oct 12 1954
ANNUAL SEVEN-DAY MINIMUM	34	Sep 15	32	Sep 18	.33	Oct 11 1954
INSTANTANEOUS PEAK FLOW			4160	Feb 15	15500	Mar 3 1971
INSTANTANEOUS PEAK STAGE			19.16	Feb 15	a27.93	Mar 3 1971
INSTANTANEOUS LOW FLOW			29	Sep 23	.32	Oct 12 1954
ANNUAL RUNOFF (CFSM)	.93		.80	.90		
ANNUAL RUNOFF (INCHES)	12.69		10.87	12.23		
10 PERCENT EXCEEDS	496		426	516		
50 PERCENT EXCEEDS	116		110	103		
90 PERCENT EXCEEDS	37		51	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 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 1996 TO SEPTEMBER 1997

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)
FEB											
03...	0630	81341	11.44	124	121	7.2	7.2	10.0	10.0	10.5	94
20...	0530	81341	11.55	84	79	6.9	6.9	10.0	9.5	10.6	94
MAR											
20...	0545	81341	9.64	140	134	7.2	7.4	14.0	13.0	9.3	92
APR											
17...	0500	81341	9.27	177	170	7.4	7.2	13.0	8.0	9.6	93
MAY											
22...	0530	81341	9.45	156	150	7.3	7.5	20.0	14.0	8.3	92
JUN											
19...	0430	81341	9.75	194	188	7.1	7.3	22.0	22.0	8.0	92
JUL											
24...	0445	81341	9.71	195	184	7.2	7.2	25.0	23.0	7.4	91
AUG											
21...	0430	81341	9.47	224	221	7.1	7.1	26.0	21.0	7.1	89
SEP											
18...	0430	81341	9.25	416	410	7.6	7.7	23.0	20.0	7.2	85

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	ALKA- LINITY WAT WH TOT FET LAB MG/L AS CACO3 (00417)
FEB				
03...	81341	12	1.0	39
20...	81341	38	1.1	23
MAR				
20...	81341	13	1.1	41
APR				
17...	81341	10	1.0	50
MAY				
22...	81341	10	1.3	52
JUN				
19...	81341	39	<1.0	41
JUL				
24...	81341	40	1.9	54
AUG				
21...	81341	17	<1.0	58
SEP				
18...	81341	4.0	2.1	73

SAVANNAH RIVER BASIN

02193750 LITTLE RIVER AT US HIGHWAY 78, NEAR WASHINGTON, GA.--Continued

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

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)
FEB								
03...	81341	0.070	0.060	0.24	0.30	0.37	0.040	4.0
20...	81341	0.160	<0.030	0.30	0.30	0.46	0.040	4.0
MAR								
20...	81341	0.120	<0.030	0.30	0.30	0.42	0.050	3.0
APR								
17...	81341	0.140	0.040	0.16	0.20	0.34	0.050	3.0
MAY								
22...	81341	0.130	<0.030	0.30	0.30	0.43	0.040	3.0
JUN								
19...	81341	0.280	0.060	0.34	0.40	0.68	0.120	6.0
JUL								
24...	81341	0.240	0.070	0.53	0.60	0.84	0.090	5.0
AUG								
21...	81341	0.290	0.080	0.42	0.50	0.79	0.070	4.0
SEP								
18...	81341	<0.020	<0.030	0.40	0.40	0.40	0.060	4.0

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	GAGE HEIGHT (FEET) (00065)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
FEB				
03...	0630	81341	11.44	490
20...	0530	81341	11.55	490
MAR				
20...	0545	81341	9.64	170
APR				
17...	0500	81341	9.27	<20
MAY				
22...	0530	81341	9.45	50
JUN				
19...	0430	81341	9.75	1100
JUL				
24...	0445	81341	9.71	3300
AUG				
21...	0430	81341	9.47	110
SEP				
18...	0430	81341	9.25	20
24...	0430	81213	9.57	<20

SAVANNAH RIVER BASIN

02193750 LITTLE RIVER AT US HIGHWAY 78, NEAR WASHINGTON, GA.--Continued

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

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 07...	1215	81213	12.57	143	7.4	27.5	30.5	8.2	105

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 07...	81213	8.5	3.4	<1.0	<2.0	<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 07...	81213	<1.0	<2.0	<0.10	<1.0	<2.0	16

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 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 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)
FEB											
03...	0600	81341	8.4	71	66	6.8	6.8	11.5	10.0	10.1	93
20...	0500	81341	38	58	55	6.6	6.8	11.5	9.5	10.2	94
MAR											
20...	0500	81341	15	72	65	7.0	7.1	15.0	13.0	9.2	93
APR											
17...	0430	81341	6.6	82	80	6.8	7.0	13.0	8.0	9.9	96
MAY											
22...	0500	81341	3.6	94	88	7.1	7.4	17.0	13.0	8.9	93
JUN											
19...	0400	81341	16	121	114	7.1	7.1	23.0	22.0	7.9	93
JUL											
24...	0400	81341	110	68	64	6.5	6.4	24.0	23.0	7.6	91
AUG											
21...	0400	81341	13	85	83	6.8	6.8	23.0	21.0	7.8	92
SEP											
18...	0400	81341	5.3	113	103	6.8	6.8	21.5	20.0	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)	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)
FEB										
03...	81341	8.0	1.1	40	12	--	.110	<.030	.050	3.0
20...	81341	17	<1.0	10	13	14	.100	.100	<.020	3.0
MAR										
20...	81341	8.0	<1.0	--	19	10	.050	.050	.020	4.0
APR										
17...	81341	6.0	1.0	--	21	4	.120	.050	<.020	3.0
MAY										
22...	81341	6.0	<1.0	26	29	5	.170	.060	<.020	2.0
JUN										
19...	81341	8.0	<1.0	34	7	13	.820	.050	.020	4.0
JUL										
24...	81341	180	4.5	18	12	447	.180	.040	.280	11
AUG										
21...	81341	36	1.4	22	22	19	.120	.040	.040	6.0
SEP										
18...	81341	8.0	1.5	30	34	11	.020	.040	.030	3.0

SAVANNAH RIVER BASIN

02193880 MIDDLE CREEK NEAR WRIGHTSBORO, 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)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
FEB				
03...	0600	81341	8.4	120
20...	0500	81341	38	130
MAR				
20...	0500	81341	15	2300
APR				
17...	0430	81341	6.6	7900
MAY				
22...	0500	81341	3.6	50
JUN				
19...	0400	81341	16	490
JUL				
24...	0400	81341	110	22000
AUG				
21...	0400	81341	13	1700
SEP				
18...	0400	81341	5.3	80
24...	0400	81213	4.9	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)
AUG 07...	1115	81213	12	100	7.2	22.5	30.0	7.2	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 07...	81213	7.7	3.3	<1.0	<2.0	<0.5	2.5	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 (UG/L AS SE) (01147)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
AUG 07...	81213	1.6	<2.0	<0.1	<1.0	<2.0	16

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 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 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)
FEB											
03...	0855	81341	37	65	63	7.0	6.9	11.0	11.0	10.3	94
20...	0750	81341	35	48	47	6.9	6.7	10.0	7.0	10.8	96
MAR											
20...	0815	81341	45	60	57	7.0	7.0	16.0	12.0	9.0	92
APR											
17...	0705	81341	13	64	62	7.1	6.9	13.5	9.0	9.6	93
MAY											
22...	0735	81341	8.1	64	61	7.1	7.2	20.0	15.0	8.7	96
JUN											
19...	0700	81341	10	70	68	7.2	7.5	25.0	22.0	7.6	92
JUL											
24...	0700	81341	61	73	70	7.0	7.0	28.0	23.0	7.0	90
AUG											
21...	0700	81341	15	62	61	7.1	7.0	26.0	22.0	7.3	91
SEP											
18...	0700	81341	9.0	80	78	7.3	7.2	23.0	21.0	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)	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)
FEB										
03...	81341	8.0	1.2	18	19	11	.070	.130	.550	3.0
20...	81341	36	1.1	10	12	23	.090	.060	.040	4.0
MAR										
20...	81341	11	<1.0	--	20	8	.040	.080	.030	4.0
APR										
17...	81341	6.0	<1.0	--	21	8	.040	.040	<.020	3.0
MAY										
22...	81341	5.0	<1.0	20	24	4	.110	.040	<.020	4.0
JUN										
19...	81341	4.0	<1.0	32	26	3	.080	.040	.020	4.0
JUL										
24...	81341	36	1.1	22	25	116	.030	.040	.080	4.0
AUG										
21...	81341	4.0	<1.0	16	20	4	.090	.060	<.020	4.0
SEP										
18...	81341	3.0	<1.0	20	30	3	.180	<.030	.030	4.0

SAVANNAH RIVER BASIN

02195320 KIOKEE CREEK NEAR EVANS, 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)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
FEB				
03...	0855	81341	37	170
20...	0750	81341	35	170
MAR				
20...	0815	81341	45	50
APR				
17...	0705	81341	13	20
MAY				
22...	0735	81341	8.1	20
JUN				
19...	0700	81341	10	170
JUL				
24...	0700	81341	61	700
AUG				
21...	0700	81341	15	170
SEP				
18...	0700	81341	9.0	230
24...	0700	81213	8.0	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)
AUG 07...	1010	81213	11	57	7.1	26.0	26.5	6.2	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 07...	81213	2.7	1.9	<1.0	<2.0	<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 07...	81213	<1.0	<2.0	<0.1	<1.0	<2.0	2.7

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 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 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)
FEB											
03...	0830	81341	11	77	74	6.9	6.8	11.0	11.0	10.4	95
20...	0730	81341	36	63	61	6.8	6.8	11.0	6.0	10.7	97
MAR											
20...	0745	81341	16	70	66	7.0	7.1	15.0	12.0	9.0	90
APR											
17...	0645	81341	21	89	86	6.9	7.1	14.0	8.0	9.6	94
MAY											
22...	0710	81341	0.9	107	102	7.2	7.2	18.0	15.0	8.8	93
JUN											
19...	0630	81341	1.0	110	107	7.2	7.4	23.0	21.0	8.1	95
JUL											
24...	0630	81341	80	92	81	6.7	6.7	25.0	23.0	7.6	93
AUG											
21...	0630	81341	7.1	132	127	6.6	7.0	24.0	22.0	7.5	90
SEP											
18...	0630	81341	0.2	163	159	7.3	7.4	21.5	20.0	8.3	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)
FEB										
03...	81341	12	1.2	18	16	10	.310	.050	.060	3.0
20...	81341	22	1.0	12	13	20	.230	<.030	.040	4.0
MAR										
20...	81341	44	<1.0	--	19	37	.130	.040	.080	4.0
APR										
17...	81341	8.0	<1.0	--	26	6	.140	.030	.050	4.0
MAY										
22...	81341	7.0	<1.0	26	35	3	.140	.030	.030	4.0
JUN										
19...	81341	7.0	<1.0	28	39	3	.110	.040	.040	6.0
JUL										
24...	81341	230	4.0	18	30	410	.090	.030	.400	12
AUG										
21...	81341	26	1.6	20	38	24	.040	<.030	.200	6.0
SEP										
18...	81341	5.0	<1.0	28	50	11	.080	<.030	.040	5.0

SAVANNAH RIVER BASIN

02195470 UCHEE CREEK NEAR EVANS, 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)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
FEB				
03...	0830	81341	11	130
20...	0730	81341	36	130
MAR				
20...	0745	81341	16	700
APR				
17...	0645	81341	21	790
MAY				
22...	0710	81341	0.9	790
JUN				
19...	0630	81341	1.0	600
JUL				
24...	0630	81341	80	14000
AUG				
21...	0630	81341	7.1	4600
SEP				
18...	0630	81341	0.2	330
24...	0630	81213	0.1	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)
AUG									
07...	0930	81213	1.7	109	7.2	23.5	25.5	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								
07...	81213	7.1	2.5	<1.0	<2.0	<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							
07...	81213	<1.0	<2.0	<0.1	<1.0	<2.0	2.9

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 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 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)
FEB											
03...	0800	81341	12800	45	44	7.1	6.9	10.0	11.0	10.8	96
20...	0700	81341	8200	45	44	7.0	7.0	10.0	10.0	10.8	96
MAR											
20...	0715	81341	5600	46	45	7.0	7.0	12.0	12.0	10.1	95
APR											
17...	0625	81341	4700	46	45	7.0	6.6	14.0	9.0	9.9	97
MAY											
22...	0645	81341	5900	45	44	7.0	6.8	16.0	15.0	9.7	99
JUN											
19...	0600	81341	9200	44	42	7.0	6.6	18.0	21.0	9.2	97
JUL											
24...	0600	81341	7000	44	42	7.0	6.2	19.0	23.0	8.8	96
AUG											
21...	0600	81341	6600	46	46	7.0	6.5	20.0	22.0	8.6	96
SEP											
18...	0600	81341	5700	47	46	6.7	6.3	21.0	21.0	8.6	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- 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)
FEB										
03...	81341	2.0	1.2	12	13	1	.120	<.030	<.020	2.0
20...	81341	6.0	<1.0	10	15	7	.130	<.030	<.020	2.0
MAR										
20...	81341	5.0	1.0	--	17	1	.150	<.030	<.020	2.0
APR										
17...	81341	6.0	<1.0	--	12	<1	.190	<.030	<.020	3.0
MAY										
22...	81341	3.0	<1.0	12	13	1	.220	<.030	<.020	2.0
JUN										
19...	81341	3.0	<1.0	14	13	<1	.230	<.030	<.020	3.0
JUL										
24...	81341	2.0	<1.0	10	11	1	.230	<.030	<.020	2.0
AUG										
21...	81341	2.0	<1.0	10	12	1	.200	<.030	<.020	3.0
SEP										
18...	81341	<1.0	<1.0	12	13	<1	.170	<.030	<.020	2.0

SAVANNAH RIVER BASIN

02195520 SAVANNAH RIVER NEAR EVANS, 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)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
FEB				
03...	0800	81341	12800	20
20...	0700	81341	8200	20
MAR				
20...	0715	81341	5600	<20
APR				
17...	0625	81341	4700	<20
MAY				
22...	0645	81341	5900	<20
JUN				
19...	0600	81341	9200	70
JUL				
24...	0600	81341	7000	220
AUG				
21...	0600	81341	6600	230
SEP				
18...	0600	81341	5700	35
24...	0600	81213	7500	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)
AUG 07...	0845	81213	6300	47	6.6	18.5	23.5	3.6	39

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 07...	81213	2.4	1.1	<1.0	<2.0	<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 07...	81213	<1.0	<2.0	<0.1	<1.0	<2.0	1.4

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.

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	4420	20600	2360	8080	4420	4020
2	7040	3050	4310	e2930	2980	18100	12800	18600	2280	8230	4680	3340
3	7260	2370	5510	4980	6340	16100	15500	12400	2520	8100	2010	2290
4	7280	2690	3860	4240	8620	17200	9030	13000	2200	6970	5620	1350
5	6780	2040	3720	3820	7710	19100	5870	13200	2080	5980	8920	1410
6	5770	1960	4920	3860	7660	23200	4210	14600	2030	3680	9520	841
7	8450	1850	5400	5200	8330	24500	7640	12900	1730	4490	8940	791
8	10600	2110	4020	7590	8080	25800	10900	13200	1740	4100	7990	1360
9	13500	2890	4710	12600	8200	26600	11300	12100	6680	3390	5250	1700
10	12800	4240	6040	18400	8260	26400	11500	7390	12700	3020	3510	1200
11	13100	2890	2920	13400	8070	25300	14500	3460	12900	2410	6190	1240
12	7780	1870	3330	16200	7570	15400	6460	2550	15200	1230	7180	1040
13	3780	2240	3810	18400	8840	9630	2750	5170	16200	1120	7070	831
14	2990	e1250	4820	18400	16200	11300	4180	6930	8740	4500	6950	928
15	5880	1340	4630	16600	20900	9260	3570	8570	2750	5880	6860	2060
16	4910	1080	4770	12800	20700	10600	2980	7020	e6350	6980	5060	3040
17	5770	1840	5190	11800	12300	7090	2470	3780	5920	7250	4270	2180
18	7450	2590	3750	10600	8930	7620	2640	2320	6340	6500	7120	1740
19	2340	1910	3630	8740	9270	7840	2760	3940	6500	3200	7870	1320
20	4560	665	9570	7050	15300	7980	2390	5510	6270	2840	e8500	1340
21	3290	532	9120	6560	20200	10300	2380	5270	6260	4560	e8100	375
22	3260	589	9710	7050	22100	5970	4470	4100	5720	4820	e5200	780
23	2270	619	6130	5750	19600	5620	6770	4100	5560	4550	e2900	1050
24	1820	814	4530	5520	20900	11200	17100	1910	6160	5630	e2400	879
25	2050	578	5590	3650	18300	15400	17900	1480	6360	5520	e6700	4070
26	1880	717	5590	5480	17400	13800	9030	2370	6790	3140	e7400	5790
27	1750	1590	4930	6880	17300	15900	6460	3970	7230	2280	e7300	2380
28	1890	2910	4060	5750	17900	15000	7670	4410	4260	2910	e5200	582
29	2230	2910	4130	5050	---	6660	15000	4360	3170	2970	e3700	1590
30	2000	2590	3540	8030	---	5760	23100	5530	5850	3000	1870	2580
31	1780	---	3060	7820	---	4410	---	4250	---	3530	2020	---
TOTAL	168160	56094	151770	266860	351330	436640	247750	228990	180850	140860	180720	54097
MEAN	5425	1870	4896	8608	12550	14090	8258	7387	6028	4544	5830	1803
MAX	13500	4240	9710	18400	22100	26600	23100	20600	16200	8230	9520	5790
MIN	1750	532	2470	1710	2980	4410	2380	1480	1730	1120	1870	375

e Estimated

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	7533	6324	4667	5255	6622	4707
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	1803
(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		2464121		7771	
ANNUAL MEAN	7819		6751		13960	
HIGHEST ANNUAL MEAN	†7863		†6574		1993	
LOWEST ANNUAL MEAN					2612	
HIGHEST DAILY MEAN	31000		26600		39000	
LOWEST DAILY MEAN	532		375		65	
ANNUAL SEVEN-DAY MINIMUM	645		645		103	
INSTANTANEOUS PEAK FLOW			29500		54200	
INSTANTANEOUS PEAK STAGE			11.06		12.57	
ANNUAL RUNOFF (CFSM)	1.09		.94		1.09	
ANNUAL RUNOFF (INCHES)	14.89		12.82		14.77	
10 PERCENT EXCEEDS	20800		15400		19100	
50 PERCENT EXCEEDS	5010		5400		5280	
90 PERCENT EXCEEDS	1990		1740		1760	

† Adjusted for change 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

WATER-QUALITY RECORDS

PERIOD OF RECORD.--July 1990 to February 1994, February 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 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 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)
FEB											
03...	0915	81341	6290	45	45	7.1	6.9	11.0	11.0	10.7	97
20...	0815	81341	9580	45	45	6.8	6.9	11.0	10.0	10.7	97
MAR											
20...	0845	81341	6720	47	45	7.1	7.0	13.0	12.0	10.0	96
APR											
17...	0745	81341	2590	49	48	7.1	6.6	13.0	10.0	10.1	97
MAY											
22...	0800	81341	3800	45	43	7.0	6.9	18.0	18.0	9.1	97
JUN											
19...	0745	81341	6210	44	42	7.0	6.7	19.0	24.0	9.1	98
JUL											
24...	0745	81341	5350	43	42	7.0	6.2	20.5	23.0	8.5	95
AUG											
21...	0730	81341	6640	46	45	7.0	6.5	20.5	22.0	8.3	93
SEP											
18...	0730	81341	1300	47	46	6.8	6.5	22.0	22.0	8.0	92

SAVANNAH RIVER BASIN

02196484 SAVANNAH RIVER NEAR NORTH AUGUSTA, SC.--Continued

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

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	ALKA- LITY WAT WH TOT 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)
FEB								
03...	81341	2.0	1.2	13	0.140	0.040	<0.020	2.0
20...	81341	4.0	<1.0	13	0.140	<0.030	<0.020	2.0
MAR								
20...	81341	5.0	<1.0	13	0.150	0.040	<0.020	3.0
APR								
17...	81341	6.0	<1.0	12	0.170	<0.030	<0.020	3.0
MAY								
22...	81341	5.0	<1.0	15	0.200	<0.030	<0.020	2.0
JUN								
19...	81341	2.0	<1.0	13	0.220	<0.030	<0.020	3.0
JUL								
24...	81341	1.0	<1.0	10	0.200	<0.030	<0.020	2.0
AUG								
21...	81341	1.0	<1.0	13	0.190	<0.030	<0.020	2.0
SEP								
18...	81341	<1.0	<1.0	15	0.140	<0.030	<0.020	2.0

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
FEB				
03...	0915	81341	6290	<20
20...	0815	81341	9580	<20
MAR				
20...	0845	81341	6720	<20
APR				
17...	0745	81341	2590	20
MAY				
22...	0800	81341	3800	<20
JUN				
19...	0745	81341	6210	20
JUL				
24...	0745	81341	5350	460
AUG				
21...	0730	81341	6640	50
SEP				
18...	0730	81341	1300	20
24...	0730	81213	869	50

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 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 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)
FEB											
03...	0730	81341	16	78	76	7.0	6.8	11.0	11.0	10.0	91
20...	0630	81341	18	76	73	6.9	6.9	11.0	10.0	10.4	94
MAR											
20...	0650	81341	19	82	77	7.1	7.2	15.0	12.0	9.1	91
APR											
17...	0600	81341	14	84	80	7.2	6.9	14.0	9.0	9.7	95
MAY											
22...	0620	81341	12	83	78	7.2	7.1	17.0	12.0	9.4	98
JUN											
19...	0530	81341	14	79	77	7.1	7.1	23.0	21.0	8.3	97
JUL											
24...	0530	81341	110	53	49	6.8	6.3	26.0	23.0	7.2	90
AUG											
21...	0530	81341	112	53	52	6.8	6.6	24.0	22.0	7.4	89
SEP											
18...	0530	81341	109	75	71	7.2	6.9	23.0	21.0	8.2	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)
FEB										
03...	81341	10	1.2	20	23	7	.400	.050	.020	2.0
20...	81341	16	1.0	20	19	9	.380	.050	<.020	3.0
MAR										
20...	81341	8.0	1.1	--	24	5	.300	.060	.030	3.0
APR										
17...	81341	5.0	1.0	--	25	2	.350	.040	.030	3.0
MAY										
22...	81341	5.0	<1.0	20	24	2	.390	.040	.020	3.0
JUN										
19...	81341	6.0	<1.0	20	23	5	.330	.040	.030	4.0
JUL										
24...	81341	170	3.9	10	10	319	.240	.090	.220	6.0
AUG										
21...	81341	80	2.3	12	12	120	.280	.070	.120	5.0
SEP										
18...	81341	7.0	<1.0	18	19	5	.240	<.030	.040	3.0

SAVANNAH RIVER BASIN

02196488 REED CREEK NEAR MARTINEZ, 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)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
FEB				
03...	0730	81341	16	330
20...	0630	81341	18	170
MAR				
20...	0650	81341	19	230
APR				
17...	0600	81341	14	490
MAY				
22...	0620	81341	12	790
JUN				
19...	0530	81341	14	490
JUL				
24...	0530	81341	110	88500
AUG				
21...	0530	81341	112	17000
SEP				
18...	0530	81341	109	790
24...	0530	81213	108	1300

DATE	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									
07...	0640	81213	14	74	7.0	23.0	23.5	6.7	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)
AUG								
07...	81213	4.7	1.6	<1.0	<2.0	<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							
07...	81213	<1.0	<2.0	<0.1	<1.0	<2.0	5.1

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 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 1996 TO SEPTEMBER 1997

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)
JAN 28...	1400	81341	48	46	7.2	6.9	11.0	20.0	10.8	97
FEB 25...	1400	81341	47	45	7.2	7.1	10.0	14.5	11.2	98
MAR 25...	1400	81341	51	48	7.1	6.9	14.0	23.0	8.8	85
APR 29...	1130	81341	52	51	6.9	6.8	16.0	21.5	8.9	91
MAY 27...	1130	81341	49	46	6.9	6.8	19.0	22.5	6.9	74
JUN 24...	1030	81341	48	46	6.8	6.8	19.0	29.0	7.2	77
JUL 29...	1000	81341	49	47	7.0	7.0	21.5	30.0	6.4	73
AUG 26...	1130	81341	48	47	6.8	6.6	21.5	31.0	6.0	68
SEP 23...	1130	81341	50	50	7.1	6.7	21.5	28.0	5.6	64

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)	ALKA- LINITY WAT WH TOT 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 28...	81341	2.0	1.2	16	14	1	0.170	<0.030	<0.020	2.0
FEB 25...	81341	4.0	<1.0	8	14	2	0.150	<0.030	<0.020	2.0
MAR 25...	81341	5.0	1.4	--	13	6	0.160	<0.030	<0.020	3.0
APR 29...	81341	6.0	1.1	--	17	1	0.210	0.050	0.030	3.0
MAY 27...	81341	4.0	1.0	16	15	3	0.200	<0.030	<0.020	2.0
JUN 24...	81341	3.0	<1.0	20	16	<1	0.200	<0.030	<0.020	2.0
JUL 29...	81341	2.0	1.0	10	16	<1	0.220	<0.030	<0.020	3.0
AUG 26...	81341	1.0	1.1	12	15	<1	0.170	<0.030	<0.020	6.0
SEP 23...	81341	1.0	1.4	8	15	<1	0.160	<0.030	<0.020	2.0

SAVANNAH RIVER BASIN

02196671 SAVANNAH RIVER AT AUGUSTA, GA.--Continued

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

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
JAN 28...	1400	81341	20
FEB 25...	1400	81341	110
MAR 25...	1400	81341	<20
APR 29...	1130	81341	490
MAY 27...	1130	81341	790
JUN 24...	1030	81341	130
JUL 29...	1000	81341	80
AUG 26...	1130	81341	<20
SEP 02...	1145	81213	110
09...	1130	81213	50
23...	1130	81341	40

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 06...	1320	81213	44	6.9	20.0	33.0	7.8	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 06...	81213	2.5	1.2	<1.0	<2.0	<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 06...	81213	<1.0	<2.0	<0.10	<1.0	<2.0	9.1

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 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 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...	1300	81341	.60	74	70	6.9	6.5	14.5	20.0	9.5	93
FEB 25...	1300	81341	1.8	80	78	6.9	6.6	13.0	13.5	9.6	90
MAR 25...	1300	81341	.70	76	74	6.9	6.4	18.5	22.5	8.8	93
APR 29...	1045	81341	2.0	62	60	6.8	6.6	17.5	21.0	8.9	93
MAY 27...	1045	81341	.20	74	71	6.8	7.1	20.5	22.0	7.7	86
JUN 24...	0945	81341	.10	65	62	7.1	6.6	23.5	30.0	7.9	93
JUL 29...	0915	81341	.70	75	71	6.7	6.7	24.0	29.0	6.7	80
AUG 26...	1030	81341	.20	66	73	7.0	6.7	22.5	31.0	8.1	94
SEP 23...	1045	81341	.10	65	64	7.2	6.8	21.5	28.0	8.2	94

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)
JAN 28...	81341	5.0	1.9	20	12	5	1.11	.110	.040	4.0
FEB 25...	81341	6.0	1.1	16	12	5	1.12	.120	.030	4.0
MAR 25...	81341	8.0	2.5	--	10	15	1.13	.100	.050	4.0
APR 29...	81341	16	1.4	--	13	13	.860	.080	.050	5.0
MAY 27...	81341	14	2.2	20	15	11	1.06	.070	.040	6.0
JUN 24...	81341	4.0	1.0	14	13	4	1.13	<.030	.030	4.0
JUL 29...	81341	6.0	<1.0	18	15	4	1.11	.100	.030	4.0
AUG 26...	81341	1.0	2.2	16	13	3	1.31	.050	.020	3.0
SEP 23...	81341	3.0	1.2	16	11	<1	1.42	.050	.020	2.0

SAVANNAH RIVER BASIN

02196810 ROCKY CREEK AT AUGUSTA, 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)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
JAN 28...	1300	81341	.60	790
FEB 25...	1300	81341	1.8	700
MAR 25...	1300	81341	.70	1700
APR 29...	1045	81341	2.0	1300
MAY 27...	1045	81341	.20	11000
JUN 24...	0945	81341	.10	140000
JUL 29...	0915	81341	.70	13000
AUG 26...	1030	81341	.20	940
SEP 02...	1045	81213	.10	790
09...	1030	81213	.10	1100
23...	1045	81341	.10	1300

DATE	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 06...	1545	81213	0.3	70	6.7	26.5	35.0	7.1	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 06...	81213	5.2	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)
AUG 06...	81213	1.3	<2.0	<.1	<1.0	<2.0	22

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 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 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	81341	28	31	30	6.8	6.2	11.5	18.5	10.6	97
FEB 25...	1230	81341	31	32	31	6.8	6.3	12.5	14.0	9.9	92
MAR 25...	1230	81341	27	41	31	6.8	6.4	18.5	24.0	8.9	95
APR 29...	1000	81341	40	35	33	6.9	6.4	18.5	20.0	8.8	94
MAY 27...	1000	81341	10	41	38	6.9	6.3	21.5	22.0	6.8	78
JUN 24...	0900	81341	11	50	38	6.7	6.1	24.0	28.5	6.2	74
JUL 29...	0830	81341	30	34	31	6.2	6.3	28.0	28.5	4.4	56
AUG 26...	1000	81341	13	47	38	6.6	6.0	22.5	30.0	5.5	64
SEP 23...	1000	81341	11	41	36	6.8	6.2	21.5	27.5	5.5	63

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)
JAN 28...	81341	11	<1.0	14	3	5	.470	<.030	<.020	4.0
FEB 25...	81341	11	<1.0	6	4	5	.380	.040	.030	4.0
MAR 25...	81341	10	2.0	--	4	14	.350	.040	.020	5.0
APR 29...	81341	8.0	1.3	--	8	8	.200	.110	.040	6.0
MAY 27...	81341	7.0	<1.0	14	11	11	.270	<.030	<.020	4.0
JUN 24...	81341	14	<1.0	12	10	13	.210	.040	.030	5.0
JUL 29...	81341	16	<1.0	6	7	11	.080	<.030	.040	7.0
AUG 26...	81341	16	<1.0	10	11	11	.160	.040	.020	4.0
SEP 23...	81341	7.0	<1.0	8	7	2	.100	.040	.030	3.0

SAVANNAH RIVER BASIN

02196845 BUTLER CREEK AT U.S. HIGHWAY 1, NEAR AUGUSTA, 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)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
JAN 28...	1215	81341	28	<20
FEB 25...	1230	81341	31	220
MAR 25...	1230	81341	27	2300
APR 29...	1000	81341	40	2300
MAY 27...	1000	81341	10	130
JUN 24...	0900	81341	11	<20
JUL 29...	0830	81341	30	170
AUG 26...	1000	81341	13	65
SEP 02...	1000	81213	13	20
09...	0945	81213	9.8	50
23...	1000	81341	11	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)
AUG 06...	1845	81213	14	51	6.5	27.0	31.5	4.6	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)
AUG 06...	81213	3.2	0.9	<1.0	<2.0	<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 06...	81213	<1.0	<2.0	<0.1	<1.0	<2.0	9.0

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 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 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)	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...	1545	81341	583	555	7.2	7.1	16.0	19.5	8.2	83
FEB 25...	1500	81341	282	289	6.8	6.8	13.0	14.5	4.2	40
MAR 25...	1500	81341	462	472	7.1	6.9	19.0	23.5	5.0	54
APR 29...	1345	81341	318	297	6.9	7.0	19.0	21.0	5.8	64
MAY 27...	1345	81341	634	593	6.8	7.4	23.5	21.0	4.1	48
JUN 24...	1330	81341	667	641	7.2	7.1	28.0	31.0	3.3	42
JUL 29...	1315	81341	408	400	7.0	7.1	28.5	33.0	3.3	43
AUG 27...	0645	81341	862	842	7.3	7.1	26.0	21.0	3.2	39
SEP 24...	0600	81341	909	895	7.2	7.3	25.5	22.0	5.5	68

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	ALKA- LINITY WAT WH TOT 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)
JAN 28...	81341	8.0	3.2	64	1.95	0.320	2.24	7.0
FEB 25...	81341	10	2.2	40	0.770	1.15	1.53	9.0
MAR 25...	81341	10	4.1	57	2.36	1.18	1.16	7.0
APR 29...	81341	20	3.5	46	0.590	2.42	0.880	8.0
MAY 27...	81341	6.0	3.0	71	1.21	1.43	4.97	6.0
JUN 24...	81341	8.0	4.5	85	0.220	3.29	7.89	12
JUL 29...	81341	11	4.4	65	0.100	3.04	4.97	12
AUG 27...	81341	11	6.2	105	0.260	3.30	9.14	10
SEP 24...	81341	4.0	5.4	103	0.690	2.41	9.15	8.0

SAVANNAH RIVER BASIN

02196995 BUTLER CREEK AT LEVEE AT AUGUSTA, GA.--Continued

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

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
JAN 28...	1545	81341	13000
FEB 25...	1500	81341	2200
MAR 25...	1500	81341	230
APR 29...	1345	81341	7900
MAY 27...	1345	81341	1300
JUN 24...	1330	81341	54000
JUL 29...	1315	81341	13000
AUG 27...	0645	81341	35000
SEP 03...	0645	81213	700
SEP 10...	0645	81213	80
SEP 24...	0600	81341	170

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 09...	1400	81213	904	7.5	27.0	30.5	6.0	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)
SEP 09...	81213	9.7	2.0	<1.0	<2.0	<0.5	1.4	5.5

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)
SEP 09...	81213	<1.0	<2.0	<0.10	5.4	<2.0	31

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.--90 years (1884-92, 1897-1906, 1926-97), 10,030 ft³/s, 18.15 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 1996 TO SEPTEMBER 1997
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8050	5360	5320	4480	7780	19300	6500	21500	5160	8360	6960	5360
2	9130	5080	6160	5480	6710	19000	8520	e19300	4540	8490	8280	5290
3	9460	5660	8230	6560	7670	17400	15600	e17900	4800	8190	6330	5260
4	8810	6400	7490	6810	9860	17200	11600	e15500	4730	7610	7180	5340
5	8660	5450	6800	6100	9730	18900	8510	e14400	4700	6830	9470	5150
6	8070	5680	7280	6400	9640	21000	6340	e13600	4470	5550	11500	4730
7	8920	5760	7910	7350	9870	23700	8110	e13100	4310	6530	11000	4510
8	10300	6070	7100	9090	9940	25100	10300	12600	4230	e7250	10500	4780
9	13200	6040	7100	11400	9810	25900	11300	11800	5700	e7650	9040	5460
10	14200	7110	8510	18500	10200	26100	11700	10700	12300	e7200	7420	4650
11	14000	6620	6800	17000	9940	25800	13300	6040	13700	6300	8340	5070
12	12300	5600	6250	15700	9800	21600	11200	5530	15300	5900	9570	5060
13	8320	6270	6860	18800	10500	13400	5750	5820	e16300	5210	8850	4850
14	6950	5300	7220	18600	14200	12500	5790	7750	e16800	6870	9900	4730
15	8280	5620	7390	18500	19900	11900	5720	8590	e13200	8510	9380	5260
16	8300	4810	7250	16200	21900	11500	5310	9040	e8700	e9150	8610	5740
17	8320	5200	7790	13800	17000	9330	5210	6660	7740	e9460	7500	5380
18	9170	6320	7260	12700	12100	8840	5030	5840	8790	8390	7970	5680
19	6950	5780	6620	11200	10700	8970	5100	4690	9740	7570	10400	5250
20	7030	4990	9990	9890	12400	8980	5180	6950	8700	5950	e10000	5240
21	7560	4660	10800	9150	18300	10300	4240	7270	8870	6510	e9750	4370
22	6090	4540	10900	9540	21100	8120	5560	6230	8960	7840	9210	4580
23	6990	4510	8920	8750	22300	7300	6520	6360	8060	8220	7440	4850
24	5160	4500	5690	8360	21100	9110	12900	5170	9010	8340	6900	4820
25	5710	4610	6430	7610	20700	13700	17500	4290	8900	8780	8340	6510
26	5510	4610	6420	6730	18200	14200	12900	4560	8960	7670	8840	8530
27	5620	5210	6380	9300	18400	14900	8130	6070	9920	6510	8740	7230
28	5840	5460	6220	8480	18400	15400	8390	6140	8750	6320	7740	5130
29	5890	5310	6280	7680	---	11800	10800	6220	6940	7220	6760	5210
30	5790	5130	6100	9210	---	6170	20800	6870	7040	6130	6010	5160
31	5740	---	5910	10300	---	6440	---	6150	---	6580	5240	---
TOTAL	254320	163660	225380	329670	388150	463860	273810	282640	259320	227090	263170	159180
MEAN	8204	5455	7270	10630	13860	14960	9127	9117	8644	7325	8489	5306
MAX	14200	7110	10900	18800	22300	26100	20800	21500	16800	9460	11500	8530
MIN	5160	4500	5320	4480	6710	6170	4240	4290	4230	5210	5240	4370

e Estimated

SAVANNAH RIVER BASIN

02197000 SAVANNAH RIVER AT AUGUSTA, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1952 - 1997, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	7338	7399	9180	10670	12020	14250	13120	9330	8376	7265	7600	7033
MAX	17740	18610	27270	30250	28480	29090	43850	27050	22830	13200	15820	14480
(WY)	1965	1996	1993	1993	1960	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 1996 CALENDAR YEAR		FOR 1997 WATER YEAR		WATER YEARS 1952 - 1997	
ANNUAL TOTAL	3703970		3290250		9452	
ANNUAL MEAN	10120		9014		16580	
HIGHEST ANNUAL MEAN	†10160		†8837		1964	
LOWEST ANNUAL MEAN					5344	
HIGHEST DAILY MEAN	33400		26100		84500	
LOWEST DAILY MEAN	3460		4230		1770	
ANNUAL SEVEN-DAY MINIMUM	4480		4540		2090	
INSTANTANEOUS PEAK FLOW			26300		87100	
INSTANTANEOUS PEAK STAGE			18.11		24.16	
ANNUAL RUNOFF (CFSM)	1.35		1.20		1.26	
ANNUAL RUNOFF (INCHES)	18.35		†18.38		17.10	
10 PERCENT EXCEEDS	22200		15900		17900	
50 PERCENT EXCEEDS	7280		7680		7000	
90 PERCENT EXCEEDS	4790		5130		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
LOWEST ANNUAL MEAN	5836
HIGHEST DAILY MEAN	315000
LOWEST DAILY MEAN	1040
ANNUAL SEVEN-DAY MINIMUM	1170
INSTANTANEOUS PEAK FLOW	a350000
INSTANTANEOUS PEAK STAGE	b46.30
INSTANTANEOUS LOW FLOW	c648
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 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.

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 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...	1615	81341	9000	60	52	7.0	6.9	10.5	19.5	11.7	104
FEB 25...	1530	81341	19300	53	52	7.0	7.1	10.5	15.0	11.1	98
MAR 25...	1530	81341	12400	57	50	7.1	6.9	13.5	24.0	10.4	98
APR 29...	1445	81341	10100	66	65	7.1	7.1	17.0	22.0	9.5	98
MAY 27...	1430	81341	6300	66	64	7.1	7.1	20.5	22.0	8.5	93
JUN 24...	1430	81341	9000	54	50	6.8	7.0	22.0	31.5	8.5	97
JUL 29...	1400	81341	6360	--	54	6.9	7.3	23.5	33.5	7.6	--
AUG 27...	0700	81341	8980	62	53	7.3	6.9	21.5	20.0	8.2	93
SEP 24...	0645	81341	5010	59	57	7.1	6.9	22.5	22.0	7.0	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)	ALKA- LINITY WAT WH TOT 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...	81341	20	3.0	<1.0	14	<1	0.210	0.040	0.060	2.0
FEB 25...	81341	15	6.0	<1.0	15	7	0.300	0.140	0.040	3.0
MAR 25...	81341	10	6.0	<1.0	13	6	0.180	0.040	0.030	3.0
APR 29...	81341	20	5.0	<1.0	21	1	0.250	0.090	0.050	3.0
MAY 27...	81341	10	3.0	1.4	17	<1	0.250	0.110	0.070	3.0
JUN 24...	81341	15	3.0	<1.0	17	<1	0.240	0.050	0.040	2.0
JUL 29...	81341	10	3.0	<1.0	14	<1	0.250	0.070	0.060	3.0
AUG 27...	81341	5	2.0	1.1	13	<1	0.170	<0.030	0.030	3.0
SEP 24...	81341	5	1.0	<1.0	15	<1	0.200	<0.030	0.040	2.0

SAVANNAH RIVER BASIN

02197000 SAVANNAH RIVER AT AUGUSTA, 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)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
JAN				
28...	1615	81341	9000	<20
FEB				
25...	1530	81341	19300	60
MAR				
25...	1530	81341	12400	<20
APR				
29...	1445	81341	10100	490
MAY				
27...	1430	81341	6300	50
JUN				
24...	1430	81341	9000	<20
JUL				
29...	1400	81341	6360	20
AUG				
27...	0700	81341	8980	20
SEP				
03...	0700	81213	4480	20
10...	0700	81213	3800	20
24...	0645	81341	5010	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)
SEP									
10...	0730	81213	3720	57	7.3	22.5	22.5	6.4	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)
SEP								
10...	81213	2.6	1.0	<1.0	<2.0	<.5	<1.0	2.1

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)
SEP							
10...	81213	<1.0	<2.0	<.1	<1.0	<2.0	4.5

SAVANNAH RIVER BASIN

02197000 SAVANNAH RIVER AT AUGUSTA, GA.--Continued

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)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE 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 23...	1450	81213	5000	69	7.1	23.5	30.0	8.5	100

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER)	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 23...	81213	2.8	1.0	<1.0	<2.0	<.5	<1.0	1.2

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER)	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 23...	81213	<1.0	<2.0	<.1	<1.0	<2.0	17

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 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 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	81341	53	34	31	6.8	6.0	12.0	16.5	10.0	92
FEB 25...	1130	81341	155	32	30	6.7	6.3	12.5	13.0	9.7	90
MAR 25...	1145	81341	52	33	31	6.9	6.6	17.0	23.0	8.9	91
APR 29...	1300	81341	184	34	33	6.8	6.1	17.5	21.0	8.1	85
MAY 27...	1315	81341	31	34	33	6.9	6.3	23.0	22.0	7.1	82
JUN 24...	1300	81341	21	34	30	6.9	6.3	25.5	31.0	7.1	86
JUL 29...	1200	81341	66	35	35	6.8	6.2	27.0	33.0	6.1	77
AUG 26...	1400	81341	83	40	38	7.0	6.4	24.0	33.0	7.5	90
SEP 23...	1330	81341	11	42	38	7.2	6.6	22.5	30.0	7.4	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)
JAN 28...	81341	11	1.4	12	3	11	.620	.150	.070	3.0
FEB 25...	81341	17	<1.0	8	9	16	.430	.070	.070	4.0
MAR 25...	81341	10	1.2	--	4	18	.550	<.030	.080	4.0
APR 29...	81341	28	1.5	--	5	33	.510	.070	.130	5.0
MAY 27...	81341	16	1.7	6	3	23	.450	.030	.110	4.0
JUN 24...	81341	15	1.1	8	5	23	.320	<.030	.120	4.0
JUL 29...	81341	40	1.5	8	3	40	.220	<.030	.100	7.0
AUG 26...	81341	11	2.0	6	7	16	.180	<.030	.110	4.0
SEP 23...	81341	9.0	1.3	6	7	11	.220	.040	.090	3.0

SAVANNAH RIVER BASIN

02197045 SPIRIT CREEK NEAR MCBEAN, 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)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
JAN 28...	1130	81341	53	170
FEB 25...	1130	81341	155	130
MAR 25...	1145	81341	52	40
APR 29...	1300	81341	184	1300
MAY 27...	1315	81341	31	170
JUN 24...	1300	81341	21	170
JUL 29...	1200	81341	66	2100
AUG 26...	1400	81341	83	490
SEP 02...	1400	81213	14	170
09...	1330	81213	12	80
23...	1330	81341	11	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)
AUG 06...	1700	81213	20	34	6.5	26.5	34.0	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 06...	81213	1.6	0.53	<1.0	<2.0	<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 06...	81213	<1.0	<2.0	<0.1	<1.0	<2.0	7.2

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 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)
OCT 31...	1015	81341	5700	73	73	7.3	7.1	21.5	20.5	7.9	89
NOV 14...	1000	81341	5370	73	72	6.8	7.1	15.0	14.0	10.0	98
JAN 29...	0800	81341	7400	68	65	6.8	7.0	10.5	8.0	11.5	101
FEB 26...	0800	81341	19300	52	50	7.0	7.0	10.5	9.5	11.1	99
MAR 26...	0800	81341	15000	53	51	7.2	7.0	14.0	19.5	10.4	101
APR 30...	0700	81341	20300	59	52	7.1	7.1	16.0	13.0	9.2	93
MAY 28...	0645	81341	6700	69	65	6.9	7.4	20.0	15.0	8.8	96
JUN 25...	0700	81341	9400	61	55	6.8	--	20.5	24.0	10.1	112
JUL 30...	0630	81341	4710	91	90	6.9	6.9	24.0	24.0	7.1	84
AUG 27...	0615	81341	8990	73	71	7.0	6.9	21.5	21.0	7.8	89
SEP 23...	1430	81341	5010	69	68	7.1	6.9	23.5	30.0	8.5	100

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 31...	81341	30	2.0	7	1.1	20	1
NOV 14...	81341	15	4.0	11	<1.0	19	2
JAN 29...	81341	20	4.0	11	1.2	17	<1
FEB 26...	81341	10	6.0	8	1.0	15	6
MAR 26...	81341	10	9.0	9	1.2	15	8
APR 30...	81341	50	22	--	<1.0	15	18
MAY 28...	81341	15	4.0	9	<1.0	20	3
JUN 25...	81341	--	3.0	17	<1.0	13	1
JUL 30...	81341	10	8.0	13	<1.0	16	9
AUG 27...	81341	5	2.0	11	<1.0	16	<1
SEP 23...	81341	10	1.0	10	<1.0	17	<1

SAVANNAH RIVER BASIN

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

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

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 31...	81341	.260	.090	.21	.30	.56	.100	2.0
NOV 14...	81341	.240	.700	.40	1.1	1.3	.110	4.0
JAN 29...	81341	.230	.100	.30	.40	.63	.110	3.0
FEB 26...	81341	.150	.070	.23	.30	.45	.030	2.0
MAR 26...	81341	.160	<.030	--	.20	.36	<.020	3.0
APR 30...	81341	.210	.050	--	--	--	.060	4.0
MAY 28...	81341	.260	.120	.18	.30	.56	.130	3.0
JUN 25...	81341	.250	.070	.23	.30	.55	.090	3.0
JUL 30...	81341	.310	.270	.33	.60	.91	.460	4.0
AUG 27...	81341	.180	.070	.33	.40	.58	.220	3.0
SEP 23...	81341	.200	<.030	--	.30	.50	.090	2.0

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
OCT 31...	1015	81341	5700	<20
NOV 14...	1000	81341	5370	35
JAN 29...	0800	81341	7400	35000
FEB 26...	0800	81341	19300	20
MAR 26...	0800	81341	15000	170
APR 30...	0700	81341	20300	330
MAY 28...	0645	81341	6700	170
JUL 30...	0630	81341	4710	7000
AUG 27...	0615	81341	8990	2300
SEP 03...	0615	81213	5440	80
10...	0615	81213	3920	20
23...	1430	81341	5010	20

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 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 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...	1045	81341	87	54	51	7.0	6.9	11.5	15.0	9.9	91
FEB 25...	1100	81341	103	50	48	6.9	6.9	11.5	12.5	10.1	91
MAR 25...	1115	81341	78	57	53	7.1	7.3	16.5	21.5	8.6	87
APR 29...	1230	81341	175	49	46	6.9	6.7	17.0	20.5	7.9	82
MAY 27...	1230	81341	57	56	55	6.9	7.1	21.5	22.0	7.6	85
JUN 24...	1130	81341	43	56	54	6.7	7.0	24.0	30.0	7.3	86
JUL 29...	1100	81341	59	58	56	7.0	7.1	26.0	31.0	6.2	76
AUG 26...	1215	81341	32	56	55	7.0	6.9	21.5	31.5	7.6	87
SEP 23...	1215	81341	35	52	52	7.2	7.2	21.0	28.5	7.5	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)
JAN 28...	81341	4.0	<1.0	24	19	3	.220	<.030	.020	3.0
FEB 25...	81341	5.0	<1.0	18	16	3	.200	<.030	<.020	4.0
MAR 25...	81341	5.0	<1.0	--	20	9	.170	<.030	.050	4.0
APR 29...	81341	9.0	1.6	--	17	12	.120	<.030	.060	9.0
MAY 27...	81341	8.0	1.4	20	20	17	.200	<.030	.040	3.0
JUN 24...	81341	7.0	<1.0	24	23	8	.200	<.030	.030	3.0
JUL 29...	81341	6.0	<1.0	22	22	5	.160	<.030	.040	5.0
AUG 26...	81341	4.0	1.0	20	20	5	.150	.260	<.020	3.0
SEP 23...	81341	4.0	1.1	16	19	3	.120	<.030	.020	3.0

SAVANNAH RIVER BASIN

02197200 MCBEAN CREEK AT MCBEAN, 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)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
JAN				
28...	1045	81341	87	110
FEB				
25...	1100	81341	103	50
MAR				
25...	1115	81341	78	80
APR				
29...	1230	81341	175	490
MAY				
27...	1230	81341	57	50
JUN				
24...	1130	81341	43	330
JUL				
29...	1100	81341	59	95
AUG				
26...	1215	81341	32	130
SEP				
02...	1230	81213	34	50
09...	1215	81213	29	110
23...	1215	81341	35	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)
AUG									
05...	1750	81213	53	58	7.2	26.0	38.0	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)
AUG								
05...	81213	8.6	0.63	<1.0	<2.0	<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							
05...	81213	<1.0	<2.0	<0.1	<1.0	<2.0	4.8

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.

WATER-DISCHARGE RECORDS

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 Mar. 10-12.

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, Mar. 11; gage height, 18.41 ft; minimum daily discharge, 4,790 ft³/s, Nov. 24.

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	7600	5630	5430	5820	10800	20000	8560	18700	7960	8520	7670	6120
2	9150	5320	5780	5290	8060	20100	8920	19800	6710	9410	8790	5930
3	10300	5560	7790	6340	8020	20100	14100	20000	6500	9330	8350	5950
4	10100	5990	8370	7360	9510	19600	16100	18900	6690	9100	7010	6140
5	9920	6070	7170	6820	11000	19400	14000	17600	6510	8060	9340	5830
6	9370	5490	7310	6660	10800	19800	10200	16900	6490	7120	11600	5680
7	8710	5870	7850	7330	10900	20500	9310	16800	6480	6580	12400	5410
8	10900	5960	7920	8650	11200	21400	11500	16300	6200	7530	12000	5290
9	12700	6190	7300	10900	11100	e22000	13500	15900	6290	8090	11300	5530
10	15000	6720	8000	15100	11300	---	14200	15200	10600	8320	9170	5970
11	15400	7250	8200	17800	11300	---	14800	11700	14300	8420	8350	5450
12	15500	6250	6820	17800	11100	---	15800	8410	15400	7630	9780	5750
13	12400	5930	7010	18000	11100	e21600	11800	7310	16600	6520	10300	5670
14	8200	5890	7010	18900	12900	19500	8040	9340	17400	6530	10600	5420
15	7260	5650	7670	19400	17300	18000	8110	10400	14900	8720	10600	5490
16	8700	5390	7640	19600	19500	16500	7630	11500	9190	9560	10300	6180
17	8620	5170	7880	18600	20600	15200	7290	10300	7290	9880	8940	6170
18	8810	5780	7950	17200	19300	13000	7040	8580	9470	9640	8280	6210
19	8920	6120	7400	15400	16400	12000	7180	7030	10600	9300	10400	5950
20	6650	5770	8340	13200	14300	12000	7130	7750	10400	7300	10500	5710
21	7370	5120	11500	11500	16200	12300	6480	9220	9890	6810	10100	5630
22	6940	4900	11900	10800	18700	12800	6700	8860	9980	7760	10200	5040
23	6450	4880	11300	10700	20300	10400	8080	8380	9450	9120	9780	5340
24	6660	4790	8010	9760	21200	10100	11100	8050	9650	8850	7730	5510
25	5380	4830	6560	9630	21200	13300	15800	6580	9870	9890	8350	5940
26	5790	4880	6850	7920	21100	15800	17200	6240	9880	9700	9440	9080
27	5690	5080	6850	9300	20500	16400	14700	7150	10500	8340	9760	9730
28	5530	5560	6740	10100	20100	17000	11900	8030	10900	7480	9410	7750
29	6070	5510	6640	9140	---	17100	11700	8290	9270	7670	8000	6440
30	6150	5480	6580	9420	---	13100	15900	8390	8150	7630	7230	6380
31	5610	---	6420	11200	---	9600	---	8720	---	7340	6280	---
TOTAL	271850	169030	238190	365640	415790	---	334770	356330	293520	256150	291960	182690
MEAN	8769	5634	7684	11790	14850	---	11160	11490	9784	8263	9418	6090
MAX	15500	7250	11900	19600	21200	---	17200	20000	17400	9890	12400	9730
MIN	5380	4790	5430	5290	8020	---	6480	6240	6200	6520	6280	5040

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 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).

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 29...	0945	81341	8960	83	78	6.9	6.9	10.5	8.5	10.7	95
FEB 26...	1045	81341	22300	61	59	6.8	6.8	11.0	13.0	9.8	88
MAR 26...	1000	81341	12900	68	67	7.0	7.1	15.0	21.5	9.9	97
APR 30...	0900	81341	13100	78	74	7.0	7.1	17.0	18.0	8.1	83
MAY 28...	0900	81341	6710	98	93	7.0	7.1	20.5	15.5	7.8	85
JUN 25...	0900	81341	8980	80	84	6.7	--	23.0	28.0	8.7	100
JUL 30...	0800	81341	7160	92	91	7.1	7.3	25.5	26.0	6.3	77
AUG 27...	0900	81341	8700	82	79	7.2	7.0	23.0	27.0	7.5	87
SEP 24...	0845	81341	4880	104	103	7.2	7.1	24.0	24.5	7.1	84

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)
JAN 29...	81341	20	6.0	1.2	17	6	.250	.040	.080	4.0
FEB 26...	81341	20	10	1.2	15	10	.140	.100	--	4.0
MAR 26...	81341	20	12	1.2	17	15	.200	<.030	.050	6.0
APR 30...	81341	40	11	<1.0	16	11	.340	.070	.080	4.0
MAY 28...	81341	20	7.0	<1.0	20	15	.390	.070	.150	3.0
JUN 25...	81341	--	7.0	<1.0	16	13	.320	.050	.100	3.0
JUL 30...	81341	15	6.0	<1.0	19	8	.340	.070	.140	4.0
AUG 27...	81341	10	4.0	1.0	17	6	.230	<.030	.090	3.0
SEP 24...	81341	10	3.0	<1.0	20	7	.260	<.030	.110	3.0

SAVANNAH RIVER BASIN

02197375 SAVANNAH RIVER AT STONY BLUFF LANDING, GA.

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)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
JAN				
29...	0945	81341	8960	460
FEB				
26...	1045	81341	22300	130
MAR				
26...	1000	81341	12900	110
APR				
30...	0900	81341	13100	490
MAY				
28...	0900	81341	6710	55
JUL				
30...	0800	81341	7160	110
AUG				
27...	0900	81341	8700	70
SEP				
03...	0830	81213	5350	20
10...	0900	81213	5200	20
24...	0845	81341	4880	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)
SEP									
10...	0920	81213	5210	107	7.3	23.5	26.5	7.0	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)
SEP								
10...	81213	4.7	1.0	<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)
SEP							
10...	81213	<1.0	<2.0	<.1	<1.0	<2.0	8.7

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, except those 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).

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 1996 TO SEPTEMBER 1997
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6100	5370	5160	5960	e10700	23500	10900	14600	7580	7750	7200	5660
2	7530	5280	5360	5270	9580	23100	8630	16000	6860	8140	7410	5500
3	8890	5070	5950	5150	7570	22700	9240	17100	5870	8610	8140	5400
4	9710	5320	7540	6080	7560	22400	12700	18400	5690	8500	7290	5420
5	9560	5740	7630	6740	9090	22100	14200	19300	5760	8110	6940	5510
6	9310	5540	6850	6400	10000	21700	13400	19400	5740	7280	8970	5300
7	8750	5300	7020	6430	10000	21400	10100	18900	5790	6460	10900	5090
8	9230	5580	7480	7150	10200	21500	9220	18200	5680	6410	11500	4860
9	11100	5910	7270	8760	10500	22000	10900	17500	5420	7090	11300	4830
10	12800	6050	7000	11100	10500	23100	12300	16900	6150	8200	10500	5150
11	14100	6630	7710	13700	10600	24700	13100	16000	10200	8580	8820	5310
12	14700	6700	7320	15300	10500	26400	13700	12700	12700	8300	8310	5260
13	14900	5840	6490	16200	10400	27500	14200	8820	14100	7210	9200	5380
14	12700	5740	6650	16900	11100	28200	11200	7410	15100	6130	9390	5190
15	8630	5450	6780	17600	13700	27000	7890	8620	15900	6520	9870	4960
16	7720	5350	7160	18400	16000	24400	7270	9590	15200	8200	9820	5120
17	8280	5000	7150	19200	17500	21700	6760	10300	10400	8890	9450	5620
18	8270	4950	7450	19800	18800	19300	6440	8890	8420	9120	8260	5570
19	8630	5600	7550	19600	20000	16700	6210	7480	9460	8870	8060	5610
20	7850	5680	7200	18600	20000	14300	6250	6170	10300	8200	9840	5410
21	6680	5300	8820	16500	18700	12800	6220	7160	9820	6650	9700	5250
22	7030	4790	10800	13500	18300	12500	5600	8020	9350	6430	9460	4960
23	6380	4590	11300	11300	18800	11900	6170	7600	9290	7390	9440	4610
24	6350	4550	10300	10200	19500	10100	7440	7310	8790	8090	8490	4850
25	5900	4480	7330	9180	20600	10100	10700	6740	8970	8330	7220	5030
26	5280	4520	6380	8580	22000	12500	13400	5720	9070	9070	7860	6440
27	5410	4560	6420	7490	23100	14200	14800	5530	9150	8610	8630	9130
28	5380	4840	6400	8680	23700	15200	15000	6500	10400	7470	8820	9360
29	5350	5200	6270	e8940	---	15900	13800	7070	10400	6860	8260	7480
30	5660	5170	6230	e8710	---	16300	13100	7250	8800	7220	7180	6350
31	5650	---	6140	e9480	---	14700	---	7560	---	7150	6420	---
TOTAL	263830	160100	225110	356900	409000	599900	310840	348740	276360	239840	272650	169610
MEAN	8511	5337	7262	11510	14610	19350	10360	11250	9212	7737	8795	5654
MAX	14900	6700	11300	19800	23700	28200	15000	19400	15900	9120	11500	9360
MIN	5280	4480	5160	5150	7560	10100	5600	5530	5420	6130	6420	4610

e Estimated

SAVANNAH RIVER BASIN

02197500 SAVANNAH RIVER AT BURTONS FERRY BRIDGE, NEAR MILLHAVEN, GA.-- Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1940 - 1997, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	7591	7822	10050	12520	13910	16640	14590	10470	8143	8174	8476	7682
MAX	20150	22070	32410	35290	32430	33880	46240	29980	15960	19400	28040	20010
(WY)	1965	1948	1949	1993	1960	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 1996 CALENDAR YEAR		FOR 1997 WATER YEAR		WATER YEARS 1940 - 1997	
ANNUAL TOTAL	4185610		3632880		10490	
ANNUAL MEAN	11440		9953		18320	
HIGHEST ANNUAL MEAN	†11480		†9776		5790	
LOWEST ANNUAL MEAN					1964	
HIGHEST DAILY MEAN	32800		28200		138000	
LOWEST DAILY MEAN	4480		4480		2120	
ANNUAL SEVEN-DAY MINIMUM	4620		4620		2490	
INSTANTANEOUS PEAK FLOW			28400		141000	
INSTANTANEOUS PEAK STAGE			16.95		27.00	
ANNUAL RUNOFF (CFSM)	1.32		1.15		1.21	
ANNUAL RUNOFF (INCHES)	18.00		15.62		16.48	
10 PERCENT EXCEEDS	24800		18400		19600	
50 PERCENT EXCEEDS	8190		8330		7750	
90 PERCENT EXCEEDS	5670		5350		5080	

† 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 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 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 29...	1045	81341	8980	79	74	6.9	6.9	10.5	8.5	10.8	96
FEB 26...	1130	81341	22000	64	62	7.0	6.9	11.5	15.0	9.4	85
MAR 26...	1115	81341	12500	72	68	7.2	7.0	15.5	22.0	9.6	95
APR 30...	1000	81341	12900	83	79	7.0	7.0	17.0	18.5	7.6	79
MAY 28...	1000	81341	6510	106	102	7.1	7.1	20.5	16.5	7.7	85
JUN 25...	1000	81341	9000	90	75	6.7	--	23.5	28.5	8.5	99
JUL 30...	0900	81341	7070	99	97	7.0	7.0	26.0	27.0	6.1	75
AUG 27...	1000	81341	8610	87	84	7.3	7.0	23.5	27.0	7.3	86
SEP 24...	0945	81341	4820	115	114	7.3	7.0	24.0	25.0	7.3	87

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)
JAN 29...	81341	20	6.0	<1.0	16	.260	.130	.080	4.0
FEB 26...	81341	20	10	1.1	14	.140	.050	.040	6.0
MAR 26...	81341	20	12	1.2	16	.220	<.030	.070	5.0
APR 30...	81341	40	9.0	<1.0	18	.340	.080	.080	5.0
MAY 28...	81341	20	6.0	<1.0	20	.430	.100	.140	3.0
JUN 25...	81341	--	6.0	<1.0	16	.330	.050	.110	4.0
JUL 30...	81341	40	7.0	<1.0	20	.380	.040	.140	4.0
AUG 27...	81341	10	5.0	1.0	16	.230	<.030	.100	3.0
SEP 24...	81341	10	4.0	<1.0	23	.290	<.030	.140	3.0

SAVANNAH RIVER BASIN

02197500 SAVANNAH RIVER AT BURTONS FERRY BRIDGE, NEAR MILLHAVEN, GA.-- Continued

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	COLI- FORM, FECAL, EC BROTH (MPN)			
		(00028)	(00061)	(31615)					
		JAN 29...	1045	81341	8980	490			
		FEB 26...	1130	81341	22000	80			
		MAR 26...	1115	81341	12500	20			
		APR 30...	1000	81341	12900	330			
		MAY 28...	1000	81341	6510	230			
		JUL 30...	0900	81341	7070	20			
		AUG 27...	1000	81341	8610	<20			
		SEP 03...	0930	81213	5350	70			
		10...	1030	81213	5060	20			
		24...	0945	81341	4820	20			

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)
SEP 10...	1050	81213	5070	111	7.4	24.0	25.0	7.0	84

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)
SEP 10...	81213	4.9	1.0	<1.0	<2.0	<.5	<1.0	1.5

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)
SEP 10...	81213	<1.0	<2.0	<.1	<1.0	<2.0	5.6

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 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 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 22...	1150	81341	44	69	68	6.7	6.6	11.0	19.0	9.8	89
FEB 18...	0930	81341	100	54	52	6.7	6.5	9.0	2.0	11.0	95
MAR 18...	0900	81341	39	67	64	6.9	6.9	13.5	13.0	9.6	92
APR 15...	0815	81341	15	100	95	7.0	6.9	13.0	11.0	10.0	95
MAY 20...	0800	81341	6.6	--	133	7.1	7.3	20.5	23.0	8.1	--
JUN 17...	0800	81341	4.5	152	147	7.2	7.2	22.0	25.0	7.8	91
JUL 22...	0800	81341	4.3	155	150	7.1	7.1	25.0	26.0	7.2	88
AUG 19...	0800	81341	13	134	132	7.1	7.1	23.0	25.0	7.4	88
SEP 16...	0800	81341	3.3	231	228	7.2	7.3	22.0	21.0	7.7	89

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)
JAN 22...	81341	11	1.2	--	12	--	.380	.040	.040	4.0
FEB 18...	81341	20	<1.0	10	9	22	.270	.040	.040	5.0
MAR 18...	81341	6.0	<1.0	--	16	9	.160	<.030	.050	5.0
APR 15...	81341	3.0	1.0	--	22	2	.320	<.030	.040	4.0
MAY 20...	81341	5.0	<1.0	20	28	7	.660	.060	.050	4.0
JUN 17...	81341	7.0	<1.0	20	33	10	.310	.100	.140	5.0
JUL 22...	81341	7.0	<1.0	24	32	9	.340	.040	.120	6.0
AUG 19...	81341	7.0	1.2	20	21	10	.460	.030	.090	6.0
SEP 16...	81341	3.0	<1.0	22	34	3	.510	<.030	.080	4.0

SAVANNAH RIVER BASIN

02197520 BRIER CREEK NEAR THOMSON, 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)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
JAN 22...	1150	81341	44	130
FEB 18...	0930	81341	100	220
MAR 18...	0900	81341	39	490
APR 15...	0815	81341	15	690
MAY 20...	0800	81341	6.6	490
JUN 17...	0800	81341	4.5	1300
JUL 22...	0800	81341	4.3	630
AUG 19...	0800	81341	13	2800
SEP 16...	0800	81341	3.3	330
22...	0800	81213	5.5	1100
29...	0730	81213	127	790

DATE	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 06...	1010	81213	13	114	7.3	22.5	28.0	6.7	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 06...	81213	5.0	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)
AUG 06...	81213	<1.0	<2.0	<.1	<1.0	<2.0	6.1

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 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 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 23...	1220	81341	53	589	589	6.4	6.4	14.5	20.0	7.2	71
FEB 19...	1010	81341	62	460	451	6.3	6.3	13.0	14.0	9.9	93
MAR 19...	0930	81341	48	523	505	6.6	6.6	18.0	20.0	6.7	71
APR 16...	0830	81341	42	730	707	6.6	6.4	16.0	10.0	8.1	82
MAY 21...	0845	81341	29	1010	983	6.8	6.8	23.0	23.0	7.0	83
JUN 18...	0900	81341	32	786	795	6.8	6.9	24.0	24.0	6.8	81
JUL 23...	0900	81341	34	948	949	6.9	6.8	27.0	26.0	6.7	85
AUG 20...	0900	81341	33	913	926	6.9	7.0	26.0	26.0	6.9	86
SEP 17...	0900	81341	31	1090	1090	7.0	7.1	24.0	23.0	6.5	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- 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 23...	81341	6.0	<1.0	--	6	--	.470	.210	1.23	3.0
FEB 19...	81341	6.0	<1.0	10	5	10	.240	<.030	.390	3.0
MAR 19...	81341	7.0	<1.0	--	12	13	.210	<.030	.490	4.0
APR 16...	81341	9.0	1.0	--	6	20	.180	<.030	.560	3.0
MAY 21...	81341	8.0	<1.0	14	8	22	.180	<.030	.570	3.0
JUN 18...	81341	7.0	<1.0	12	10	12	.620	.030	.340	4.0
JUL 23...	81341	8.0	<1.0	12	15	13	.070	<.030	1.02	5.0
AUG 20...	81341	5.0	<1.0	10	13	8	.080	<.030	.380	4.0
SEP 17...	81341	7.0	<1.0	12	17	13	.070	<.030	1.20	3.0

SAVANNAH RIVER BASIN

02197567 REEDY CREEK NEAR WRENS, 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)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
JAN 23...	1220	81341	53	20
FEB 19...	1010	81341	62	490
MAR 19...	0930	81341	48	940
APR 16...	0830	81341	42	270
MAY 21...	0845	81341	29	490
JUN 18...	0900	81341	32	330
JUL 23...	0900	81341	34	460
AUG 20...	0900	81341	33	400
SEP 17...	0900	81341	31	940
23...	0900	81213	31	330
30...	0900	81213	56	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)
AUG 06...	0740	81213	38	930	7.0	25.5	25.0	6.9	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)
AUG 06...	81213	2.9	1.4	<1.0	<2.0	<0.5	3.6	1.3

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 06...	81213	<1.0	<2.0	<0.1	1.8	<2.0	17

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 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)
Feb. 15	0700	*273	*5.61

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	44	14	32	13	18	24	12	14	9.2	8.9	13	6.5
2	33	15	36	14	17	22	12	12	9.4	8.6	10	6.3
3	28	14	20	13	16	21	12	12	11	7.6	8.6	5.9
4	20	14	17	12	16	19	12	13	9.8	7.4	7.5	6.2
5	17	14	15	17	15	19	11	12	9.3	7.1	7.1	5.9
6	15	14	15	19	15	18	11	11	9.4	7.3	6.5	5.2
7	19	14	22	16	14	17	11	11	9.5	8.3	6.1	5.5
8	54	25	23	24	16	17	11	9.7	9.4	7.8	5.9	5.8
9	30	23	18	153	17	16	11	9.4	9.2	7.2	5.9	5.4
10	21	17	15	70	16	16	10	9.6	8.7	7.1	7.1	5.8
11	17	16	15	52	15	16	10	9.4	8.9	7.2	7.6	6.7
12	16	15	15	31	14	15	13	9.8	9.8	7.3	6.2	6.5
13	15	14	19	23	22	17	13	10	15	7.8	5.6	5.9
14	15	14	18	20	79	44	12	9.9	12	7.3	5.5	5.5
15	14	14	15	19	171	27	11	9.9	11	7.8	5.9	5.2
16	14	14	14	52	53	20	14	9.7	9.5	14	6.0	5.1
17	14	14	14	33	36	18	12	9.5	9.0	29	5.7	5.1
18	14	14	16	23	30	17	11	9.7	10	9.9	6.1	4.8
19	14	16	25	21	26	16	10	9.4	10	7.9	6.7	5.4
20	14	15	19	20	24	17	10	9.7	9.1	7.4	6.7	5.3
21	14	15	16	19	25	16	10	9.4	8.7	6.8	7.8	5.2
22	14	15	15	19	151	16	11	9.1	8.6	6.6	6.8	5.3
23	14	15	15	19	52	15	18	9.2	8.9	7.7	6.1	5.4
24	14	14	15	19	38	14	15	9.3	9.0	7.7	5.6	5.5
25	14	15	16	26	36	14	12	11	8.2	34	5.5	34
26	15	16	15	22	34	16	11	11	9.7	15	5.7	83
27	14	15	14	19	31	15	14	10	9.3	12	5.7	58
28	14	15	16	17	27	14	31	10	17	11	6.9	37
29	14	15	14	17	---	14	30	9.7	10	12	5.6	22
30	15	15	13	22	---	13	17	9.3	8.9	14	5.1	14
31	14	---	13	20	---	13	---	9.0	---	14	5.4	---
TOTAL	584	460	545	864	1024	556	398	317.7	297.5	393.0	205.9	383.4
MEAN	18.8	15.3	17.6	27.9	36.6	17.9	13.3	10.2	9.92	12.7	6.64	12.8
MAX	54	25	36	153	171	44	31	14	17	77	13	83
MIN	14	14	13	12	14	13	10	9.0	8.2	6.6	5.1	4.8
CFSM	.67	.55	.63	1.00	1.31	.64	.47	.37	.35	.45	.24	.46
IN.	.78	.61	.72	1.15	1.36	.74	.53	.42	.40	.52	.27	.51

SAVANNAH RIVER BASIN

02197600 BRUSHY CREEK NEAR WRENS, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1958 - 1997, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	20.9	19.2	23.1	35.3	43.1	47.3	33.5	21.3	19.0	18.3	18.2	15.2
MAX	171	58.6	60.2	92.7	133	110	78.8	69.2	48.3	53.1	61.5	47.1
(WY)	1991	1993	1965	1995	1995	1980	1962	1964	1994	1964	1964	1964
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 1996 CALENDAR YEAR		FOR 1997 WATER YEAR		WATER YEARS 1958 - 1997	
ANNUAL TOTAL	8079.1		6028.5			
ANNUAL MEAN	22.1		16.5		26.1	
HIGHEST ANNUAL MEAN					50.1	
LOWEST ANNUAL MEAN					11.7	
HIGHEST DAILY MEAN	212	Apr 30	171	Feb 15	3800	Oct 12 1990
LOWEST DAILY MEAN	8.5	Jul 1	4.8	Sep 18	3.6	a
ANNUAL SEVEN-DAY MINIMUM	9.0	Jun 28	5.2	Sep 15	3.9	Jul 1 1990
INSTANTANEOUS PEAK FLOW			273	Feb 15	b11400	Oct 12 1990
INSTANTANEOUS PEAK STAGE			5.61	Feb 15	14.02	Oct 12 1990
ANNUAL RUNOFF (CFSM)	.79		.59		.93	
ANNUAL RUNOFF (INCHES)	10.73		8.01		12.66	
10 PERCENT EXCEEDS	36		26		46	
50 PERCENT EXCEEDS	16		14		16	
90 PERCENT EXCEEDS	12		6.2		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 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 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 23...	1155	81341	19	58	58	6.4	6.4	15.0	19.0	8.5	85
FEB 19...	0950	81341	26	53	51	6.4	6.2	13.0	14.0	10.1	95
MAR 19...	0900	81341	16	57	56	6.7	6.8	17.0	20.0	8.1	84
APR 16...	0810	81341	14	62	59	6.8	6.7	14.0	9.0	9.7	94
MAY 21...	0815	81341	9.7	62	59	6.9	6.8	21.0	22.0	8.5	96
JUN 18...	0830	81341	9.6	65	62	6.9	7.0	22.5	24.0	8.3	96
JUL 23...	0830	81341	6.8	70	67	6.8	6.8	25.0	26.0	7.4	90
AUG 20...	0840	81341	6.7	69	68	6.8	6.8	23.0	26.0	8.1	95
SEP 17...	0830	81341	5.4	73	71	6.9	7.0	21.5	23.0	8.4	96

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	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)
JAN 23...	81341	5.0	<1.0	--	5	--	.960	.080	.050	4.0
FEB 19...	81341	8.0	1.1	12	8	10	.760	.070	.040	4.0
MAR 19...	81341	6.0	<1.0	--	15	10	.850	<.030	.080	5.0
APR 16...	81341	7.0	1.2	--	13	13	.700	.080	.100	5.0
MAY 21...	81341	5.0	<1.0	16	16	7	.690	.040	.060	4.0
JUN 18...	81341	6.0	<1.0	20	17	9	.580	.040	.080	5.0
JUL 23...	81341	6.0	<1.0	20	16	4	.770	<.030	.110	5.0
AUG 20...	81341	5.0	<1.0	20	18	3	.930	<.030	.070	4.0
SEP 17...	81341	4.0	<1.0	18	20	2	.760	<.030	.060	3.0

SAVANNAH RIVER BASIN

02197600 BRUSHY CREEK NEAR WRENS, 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)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
JAN				
23...	1155	81341	19	490
FEB				
19...	0950	81341	26	230
MAR				
19...	0900	81341	16	490
APR				
16...	0810	81341	14	270
MAY				
21...	0815	81341	9.7	460
JUN				
18...	0830	81341	9.6	490
JUL				
23...	0830	81341	6.8	170
AUG				
20...	0840	81341	6.7	230
SEP				
17...	0830	81341	5.4	330
23...	0830	81213	5.6	230
30...	0830	81213	15	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)
AUG									
06...	0900	81213	6.7	65	7.0	22.5	26.0	7.1	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								
06...	81213	5.6	1.4	<1.0	<2.0	<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							
06...	81213	2.0	<2.0	<0.1	<1.0	<2.0	8.4

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 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 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	81341	578	121	114	6.9	6.6	10.5	15.0	9.9	89
FEB 25...	1015	81341	1350	84	81	6.9	6.7	11.5	11.0	9.3	85
MAR 25...	1030	81341	420	125	120	7.1	7.0	16.0	21.0	8.4	84
APR 23...	1340	81341	265	95	93	6.7	6.7	18.5	22.5	6.7	73
MAY 15...	0810	81341	178	163	157	6.9	6.8	17.5	23.5	7.7	81
JUN 24...	1230	81341	139	174	168	7.0	7.0	24.5	30.5	6.7	79
JUL 29...	1130	81341	1020	87	84	6.9	6.3	25.5	32.0	5.6	68
AUG 26...	1300	81341	103	184	180	7.1	7.0	22.0	32.0	7.3	84
SEP 23...	1300	81341	88	268	264	7.2	7.1	22.0	29.0	6.9	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)
JAN 28...	81341	5.0	1.1	18	11	2	.050	<.030	.130	5.0
FEB 25...	81341	9.0	1.2	14	10	9	<.020	<.030	.120	8.0
MAR 25...	81341	6.0	1.1	--	16	10	.130	<.030	.140	6.0
APR 23...	81341	7.0	1.0	--	16	7	.200	<.030	.120	5.0
MAY 15...	81341	7.0	<1.0	10	15	6	.240	<.030	.130	4.0
JUN 24...	81341	5.0	<1.0	20	18	6	.240	<.030	.130	4.0
JUL 29...	81341	8.0	1.2	12	7	5	.020	<.030	.120	16
AUG 26...	81341	4.0	1.2	22	19	3	.170	<.030	.190	4.0
SEP 23...	81341	4.0	1.0	14	18	1	.140	<.030	.190	3.0

SAVANNAH RIVER BASIN

02197830 BRIER CREEK NEAR WAYNESBORO, 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)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
JAN				
28...	1000	81341	578	160
FEB				
25...	1015	81341	1350	80
MAR				
25...	1030	81341	420	80
APR				
23...	1340	81341	265	230
MAY				
15...	0810	81341	178	110
JUN				
24...	1230	81341	139	70
JUL				
29...	1130	81341	1020	230
AUG				
26...	1300	81341	103	95
SEP				
02...	1300	81213	101	70
09...	1230	81213	86	230
23...	1300	81341	88	140

DATE	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									
05...	1710	81213	231	162	6.9	25.5	38.0	6.7	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								
05...	81213	4.5	1.2	<1.0	<2.0	<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							
05...	81213	2.1	<2.0	<0.1	<1.0	<2.0	6.4

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)
Feb. 20	1700	*2,130	*8.57	No other peak greater than base 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	237	246	342	394	729	1210	449	686	216	224	911	141
2	277	256	429	408	683	973	424	594	221	272	687	145
3	316	281	440	407	619	848	393	588	220	257	597	138
4	326	278	451	401	592	786	371	630	201	210	555	134
5	337	277	455	409	576	747	355	593	196	185	468	131
6	378	274	447	430	562	770	340	537	236	172	380	124
7	438	277	472	441	542	864	335	432	303	161	323	117
8	721	317	518	484	536	829	317	372	284	157	275	114
9	941	416	542	584	558	724	301	373	236	210	237	113
10	608	398	505	676	536	640	285	426	195	503	288	110
11	514	378	447	650	523	595	278	409	173	443	313	125
12	449	356	427	655	505	568	291	337	169	439	238	152
13	459	339	433	689	511	546	301	308	167	400	214	152
14	516	361	424	800	689	650	300	275	170	343	209	138
15	574	377	405	1440	1180	710	292	250	200	308	217	135
16	540	380	387	1540	1290	682	283	224	220	240	213	136
17	439	366	378	1210	1300	759	282	211	233	235	199	128
18	362	341	386	969	1250	788	277	199	310	298	189	124
19	319	327	477	821	1300	782	266	187	326	335	177	124
20	288	322	531	729	1960	783	253	177	319	334	168	124
21	269	321	519	707	1800	759	243	170	250	411	164	124
22	261	323	495	754	1710	674	231	164	221	538	161	122
23	256	319	460	848	1550	578	243	160	199	573	154	118
24	255	317	448	795	1400	525	267	155	182	503	151	114
25	250	317	449	699	1260	504	292	158	177	428	152	121
26	247	319	449	638	1120	493	295	173	170	407	148	261
27	245	321	441	591	1310	479	335	178	165	396	140	493
28	245	320	419	578	1490	473	582	186	261	395	135	609
29	247	319	402	577	---	467	720	198	217	515	131	621
30	246	317	395	724	---	444	730	204	218	1170	132	632
31	246	---	394	774	---	447	---	202	---	1220	137	---
TOTAL	11806	9760	13767	21822	28081	21097	10331	9756	6655	12282	8463	5820
MEAN	381	325	444	704	1003	681	344	315	222	396	273	194
MAX	941	416	542	1540	1960	1210	730	686	326	1220	911	632
MIN	237	246	342	394	505	444	231	155	165	157	131	110
CFSM	.59	.50	.69	1.09	1.55	1.05	.53	.49	.34	.61	.42	.30
IN.	.68	.56	.79	1.26	1.62	1.21	.59	.56	.38	.71	.49	.34

SAVANNAH RIVER BASIN

02198000 BRIER CREEK AT MILLHAVEN, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1937 - 1997, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	408	436	647	863	1020	1206	945	552	423	380	415	341
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 1996 CALENDAR YEAR		FOR 1997 WATER YEAR		WATER YEARS 1937 - 1997	
ANNUAL TOTAL	195423		159640		634	
ANNUAL MEAN	534		437		1339	1948
HIGHEST ANNUAL MEAN					301	1988
LOWEST ANNUAL MEAN					22100	Aug 16 1940
HIGHEST DAILY MEAN	4070	Mar 12	1960	Feb 20	63	Jul 10 1990
LOWEST DAILY MEAN	145	Jul 4	110	Sep 10	64	Sep 5 1954
ANNUAL SEVEN-DAY MINIMUM	165	Jun 28	119	Sep 5	25400	Aug 16 1940
INSTANTANEOUS PEAK FLOW			2130	Feb 20	a17.40	Aug 16 1940
INSTANTANEOUS PEAK STAGE			8.57	Feb 20	62	Jul 9 1990
INSTANTANEOUS LOW FLOW			108	Sep 10	.98	
ANNUAL RUNOFF (CFSM)	.83		.68		13.33	
ANNUAL RUNOFF (INCHES)	11.25		9.19		1250	
10 PERCENT EXCEEDS	1020		772		457	
50 PERCENT EXCEEDS	428		361		191	
90 PERCENT EXCEEDS	246		158			

a From graph based on gage readings.

SAVANNAH RIVER BASIN

02198000 BRIER CREEK AT MILLHAVEN, GA.--Continued

WATER-QUALITY RECORDS

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 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...	1400	81341	580	102	96	6.9	6.7	11.5	21.0	9.8	89
FEB 25...	1400	81341	1240	72	70	6.8	6.8	12.5	11.5	9.0	84
MAR 25...	1320	81341	503	105	97	7.0	6.9	17.0	25.5	8.0	82
APR 29...	1245	81341	711	109	105	6.7	6.6	17.5	21.5	7.5	79
MAY 27...	1210	81341	179	193	182	7.1	7.1	22.0	21.0	6.9	79
JUN 24...	1150	81341	181	133	128	7.2	7.1	25.5	30.0	6.6	80
JUL 29...	1145	81341	488	125	121	6.7	6.8	26.5	33.0	6.3	79
AUG 26...	1200	81341	149	183	175	7.1	7.0	23.0	31.0	7.5	87
SEP 23...	1210	81341	119	186	182	7.0	7.2	22.5	28.0	7.5	86

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)
JAN 28...	81341	50	4.0	<1.0	20	15	.080	<.030	.060	6.0
FEB 25...	81341	90	10	<1.0	16	13	.060	<.030	.060	9.0
MAR 25...	81341	100	6.0	<1.0	--	21	.150	<.030	.100	7.0
APR 29...	81341	50	8.0	1.0	--	16	.190	.040	.080	8.0
MAY 27...	81341	50	4.0	1.0	24	20	.340	<.030	.070	3.0
JUN 24...	81341	35	3.0	<1.0	30	24	.260	<.030	.080	5.0
JUL 29...	81341	75	5.0	<1.0	22	17	.060	<.030	.100	11
AUG 26...	81341	30	2.0	<1.0	22	24	.220	<.030	.100	4.0
SEP 23...	81341	30	2.0	<1.0	24	24	.170	<.030	.090	3.0

SAVANNAH RIVER BASIN

02198000 BRIER CREEK AT MILLHAVEN, 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)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
JAN 28...	1400	81341	580	80
FEB 25...	1400	81341	1240	70
MAR 25...	1320	81341	503	130
APR 29...	1245	81341	711	790
MAY 27...	1210	81341	179	70
JUN 24...	1150	81341	181	80
JUL 29...	1145	81341	488	230
AUG 26...	1200	81341	149	170
SEP 02...	1150	81213	147	230
09...	1130	81213	115	40
23...	1210	81341	119	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)
JUL 16...	1230	81213	237	159	7.1	26.0	35.0	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)
JUL 16...	81213	8.0	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 16...	81213	1.8	<2.0	<.1	<1.0	<2.0	5.8

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)
Feb. 15	1030	572	6.46	Feb. 22	1530	*736	*6.70

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	5.2	5.6	16	8.1	42	48	9.6	14	5.5	7.0	5.8	3.9
2	6.6	8.6	23	12	32	43	8.4	10	6.5	6.8	4.6	3.5
3	5.9	7.6	13	11	25	40	8.0	12	5.6	6.3	4.1	3.4
4	5.1	6.3	9.9	9.4	22	37	7.4	12	5.1	6.0	3.9	3.2
5	4.7	6.1	8.7	13	20	33	7.1	8.3	4.9	5.7	3.7	3.1
6	4.6	6.1	8.3	16	18	31	6.8	6.8	9.5	5.5	3.4	2.8
7	5.4	6.0	8.5	18	16	27	6.9	6.2	7.7	5.8	3.3	2.8
8	100	19	10	32	28	25	6.4	5.6	6.2	6.5	3.2	2.8
9	26	19	8.7	116	37	24	6.1	5.5	5.2	7.8	3.5	2.8
10	13	11	7.7	90	27	25	5.7	5.9	4.7	16	4.5	2.8
11	9.4	8.1	7.4	50	24	24	5.6	5.8	4.9	8.3	4.0	4.8
12	7.6	7.1	7.2	32	21	21	6.0	6.0	5.1	6.9	3.4	3.9
13	6.8	6.7	8.4	25	27	20	6.0	6.6	5.7	6.2	3.3	3.4
14	6.3	6.5	8.4	22	142	62	5.6	6.0	6.0	5.6	3.2	3.2
15	5.9	6.4	7.6	20	453	81	5.4	5.4	6.1	5.2	3.1	3.1
16	5.7	6.2	7.1	35	283	53	5.3	5.1	5.1	4.8	3.1	3.1
17	5.7	6.1	7.1	41	126	31	5.1	4.9	8.6	6.5	3.0	3.2
18	5.6	6.1	8.7	30	67	24	5.0	4.6	18	5.4	2.8	3.2
19	5.4	6.7	36	24	52	23	5.0	4.5	14	4.7	2.8	3.2
20	5.3	6.8	20	22	45	24	5.0	4.4	9.5	4.2	2.8	3.1
21	5.2	6.9	14	21	44	23	4.8	4.2	8.0	3.8	2.8	2.9
22	5.1	7.1	12	18	444	21	4.8	4.2	6.4	3.6	2.7	3.0
23	5.1	6.8	10	18	320	18	6.1	4.1	5.9	3.4	2.7	3.0
24	5.2	6.6	9.6	17	143	15	5.7	4.2	5.6	3.4	2.5	3.1
25	5.1	6.5	9.4	30	77	13	6.9	5.1	5.4	3.4	2.5	4.2
26	5.1	6.8	8.7	27	66	14	7.4	4.9	5.3	3.3	2.5	20
27	5.1	6.7	8.4	21	61	13	12	5.4	6.1	3.2	2.6	12
28	5.2	6.4	8.3	18	53	12	39	5.0	16	3.0	2.6	12
29	5.3	6.4	8.1	18	---	13	34	5.1	9.0	3.6	2.6	8.3
30	5.5	6.4	7.7	74	---	12	18	5.0	7.3	4.3	3.8	6.1
31	5.5	---	7.7	60	---	11	---	4.9	---	5.8	4.3	---
TOTAL	297.6	228.6	335.6	948.5	2715	861	265.1	191.7	218.9	172.0	103.1	139.9
MEAN	9.60	7.62	10.8	30.6	97.0	27.8	8.84	6.18	7.30	5.55	3.33	4.66
MAX	100	19	36	116	453	81	39	14	18	16	5.8	20
MIN	4.6	5.6	7.1	8.1	16	11	4.8	4.1	4.7	3.0	2.5	2.8
CFSM	.31	.25	.35	.99	3.15	.90	.29	.20	.24	.18	.11	.15
IN.	.36	.28	.41	1.15	3.28	1.04	.32	.23	.26	.21	.12	.17

SAVANNAH RIVER BASIN

02198100 BEAVERDAM CREEK NEAR SARDIS, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1986 - 1997, BY WATER YEAR (WY)

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	27.0	16.9	20.5	58.7	55.7	57.2	29.4	14.8	15.8	10.9	24.4	9.09
MAX	135	63.5	54.8	144	108	129	67.5	92.8	49.1	34.3	179	34.5
(WY)	1991	1993	1995	1993	1995	1991	1991	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 1996 CALENDAR YEAR		FOR 1997 WATER YEAR		WATER YEARS 1986 - 1997	
ANNUAL TOTAL	6546.0		6477.0			
ANNUAL MEAN	17.9		17.7		28.5	
HIGHEST ANNUAL MEAN					76.7	
LOWEST ANNUAL MEAN					9.69	
HIGHEST DAILY MEAN	219	Jul 6	453	Feb 15	2160	Aug 2 1991
LOWEST DAILY MEAN	3.0	Jul 2	2.5	Aug 24-26	2.4	Aug 6 1993
ANNUAL SEVEN-DAY MINIMUM	3.1	Jun 28	2.6	Aug 23	2.5	Jul 31 1993
INSTANTANEOUS PEAK FLOW			736	Feb 22	Unknown	Aug 2 1991
INSTANTANEOUS PEAK STAGE			6.70	Feb 22	8.38	Aug 2 1991
INSTANTANEOUS LOW FLOW			2.3	Aug 17,24,26	2.2	a
ANNUAL RUNOFF (CFSM)	.58		.58		.92	
ANNUAL RUNOFF (INCHES)	7.91		7.82		12.57	
10 PERCENT EXCEEDS	39		32		60	
50 PERCENT EXCEEDS	8.1		6.6		8.3	
90 PERCENT EXCEEDS	4.2		3.2		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 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 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...	1310	81341	97	101	96	7.3	7.1	11.0	21.5	9.9	90
FEB 25...	1310	81341	680	50	48	6.8	6.7	12.5	10.5	8.6	80
MAR 25...	1230	81341	65	98	96	7.1	7.2	16.5	25.5	7.8	79
APR 29...	1150	81341	280	73	70	6.9	7.0	18.0	20.5	7.0	74
MAY 27...	1115	81341	6.0	148	140	7.2	7.4	21.0	21.0	6.0	68
JUN 24...	1100	81341	13	146	127	7.5	6.8	24.0	30.0	6.5	77
JUL 29...	1050	81341	4.0	170	164	7.4	7.6	26.0	33.0	5.8	72
AUG 26...	1115	81341	3.4	160	138	7.4	6.6	21.0	29.0	6.9	78
SEP 23...	1115	81341	1.8	198	192	7.5	7.7	21.5	28.5	5.8	65

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)
JAN 28...	81341	5.0	1.1	44	34	1	<.020	<.030	<.020	11
FEB 25...	81341	19	1.2	16	14	5	.100	<.030	.080	20
MAR 25...	81341	4.0	<1.0	--	37	7	<.020	<.030	.030	14
APR 29...	81341	23	1.9	--	22	16	.050	.070	.090	12
MAY 27...	81341	3.0	<1.0	68	65	2	.120	<.030	.030	5.0
JUN 24...	81341	31	2.1	32	27	24	.060	<.030	.020	10
JUL 29...	81341	3.0	<1.0	80	75	<1	.110	.030	.030	8.0
AUG 26...	81341	7.0	3.8	38	40	15	.100	<.030	.030	6.0
SEP 23...	81341	2.0	<1.0	88	87	<1	.050	<.030	<.020	5.0

SAVANNAH RIVER BASIN

02198170 BEAVERDAM CREEK NEAR SYLVANIA, 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)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
JAN 28...	1310	81341	97	790
MAR 25...	1230	81341	65	50
APR 29...	1150	81341	280	2200
MAY 27...	1115	81341	6.0	40
JUN 24...	1100	81341	13	2800
JUL 29...	1050	81341	4.0	130
AUG 26...	1115	81341	3.4	20
SEP 02...	1105	81213	16	210
09...	1040	81213	4.2	230
23...	1115	81341	1.8	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 16...	1140	81213	13	115	7.4	25.5	33.0	6.3	77

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 16...	81213	18	1.3	<1.0	<2.0	<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 16...	81213	<1.0	<2.0	<0.1	<1.0	<2.0	3.2

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 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 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	81341	8.5	224	210	6.7	6.5	11.0	21.0	5.2	47
FEB 25...	1235	81341	86	61	60	5.9	6.6	12.5	11.5	6.8	63
MAR 25...	1150	81341	18	99	96	6.4	6.5	17.0	25.5	4.2	43
APR 29...	1050	81341	53	92	89	6.5	6.5	18.5	19.5	5.2	56
MAY 27...	1040	81341	.00	180	171	6.8	6.7	22.5	20.0	3.4	40
JUN 24...	1010	81341	.00	130	140	6.8	7.5	24.5	30.0	2.4	28
JUL 29...	1010	81341	20	180	171	6.5	6.9	27.0	32.5	1.7	21
AUG 26...	1030	81341	.00	146	157	6.6	7.3	22.5	29.5	.2	3
SEP 23...	1030	81341	.00	134	130	6.8	6.9	22.0	26.5	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)	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)
JAN 28...	81341	4.0	1.4	28	29	3	.020	.050	.050	18
FEB 25...	81341	10	1.2	14	11	3	.020	<.030	.050	22
MAR 25...	81341	4.0	1.3	--	21	7	<.020	<.030	.080	22
APR 29...	81341	8.0	1.8	--	20	6	.060	<.030	.070	18
MAY 27...	81341	2.0	1.0	32	36	2	.040	.080	.080	21
JUN 24...	81341	3.0	<1.0	74	60	1	.140	<.030	.090	15
JUL 29...	81341	3.0	1.7	34	35	4	<.020	.030	.060	26
AUG 26...	81341	2.0	<1.0	72	70	<1	.280	.270	.250	26
SEP 23...	81341	10	2.3	36	35	8	.020	.050	.280	24

SAVANNAH RIVER BASIN

02198360 BUCK CREEK NEAR SYLVANIA, 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)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
JAN 28...	1215	81341	8.5	80
MAR 25...	1150	81341	18	50
APR 29...	1050	81341	53	3300
MAY 27...	1040	81341	.00	<20
JUN 24...	1010	81341	.00	170
JUL 29...	1010	81341	20	110
AUG 26...	1030	81341	.00	140
SEP 02...	1030	81213	.00	<20
09...	1010	81213	.00	<20
23...	1030	81341	.00	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)
JUL 16...	1010	81213	0.0	219	7.2	25.5	34.5	1.2	15

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 16...	81213	13	3.0	<1.0	<2.0	<0.5	<1.0	17

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 16...	81213	<1.0	<2.0	<0.1	<1.0	<2.0	5.7

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 1996 TO SEPTEMBER 1997
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7580	6450	6200	7470	11400	23300	15300	14500	8470	10300	9740	7480
2	7070	6250	6260	7330	11900	24300	15400	14700	8620	9280	10400	6760
3	7760	6140	6350	6830	12100	25300	14200	14900	8160	9000	10700	6430
4	8870	5970	6780	6530	11100	25800	12300	15300	7320	9310	10600	6270
5	9610	6080	7920	7100	10100	25500	12100	15700	6910	e9380	9950	6220
6	9900	6420	8510	7750	10300	25000	12700	16200	6880	e9260	9000	6230
7	9930	6450	8170	7760	11000	24300	13200	16700	6890	e8850	9610	6090
8	10100	6270	8070	7740	11300	23700	13200	17400	6910	e7690	10600	5890
9	10000	6410	8370	8510	11400	23200	12100	18100	6850	7460	11300	5660
10	10600	6630	8430	9680	11500	22800	11600	18500	6650	e8200	11600	5580
11	11300	6850	8230	10900	11600	22700	11900	18500	7000	e8800	11500	5770
12	12000	7250	8590	12000	11700	22800	12400	18200	9170	e9290	10800	5980
13	12600	7510	8680	12900	11700	23400	12800	17700	10800	9380	9850	5930
14	13000	7070	8010	13700	11900	25100	13300	16500	11700	8710	9850	6050
15	13400	6740	7780	14400	12600	27300	13400	13800	12400	7690	10100	6010
16	12700	6530	7860	15100	13700	29300	12100	11400	13000	7540	10300	5780
17	10700	6340	8170	15700	14800	30200	9960	10900	13600	8580	10500	5770
18	9800	6110	8310	16300	15700	29500	8650	11100	13900	9360	10400	6130
19	9540	5980	8610	17000	16600	27700	7980	10700	12600	9670	9690	6240
20	9520	6360	8760	17900	17700	25300	7650	9520	11200	9680	9150	6250
21	9180	6630	8590	18800	18800	22800	7550	8090	10900	9320	9810	6110
22	8090	6430	9240	19300	20200	20400	7470	8100	10800	8150	10200	5920
23	7850	5930	10500	19400	21600	18200	7120	8820	10500	7540	10100	5710
24	7480	5660	11200	18600	22400	16500	7230	8830	10200	8040	10100	5440
25	7190	5580	11400	16800	22600	15200	8150	8530	9900	8880	9630	5520
26	6930	5520	10200	15000	22400	13700	9850	8060	9740	9270	8550	5730
27	6350	5510	8460	12800	22400	13000	11400	7290	9770	9740	8470	6690
28	6300	5550	7900	10900	22700	13200	12600	6860	9940	9800	e9030	8820
29	6250	5710	7780	10400	---	13800	13600	7320	10400	9010	e9310	9680
30	6220	6040	7660	10800	---	14300	14200	7910	10700	8310	e9120	8960
31	6420	---	7560	11100	---	14900	---	8210	---	8960	8310	---
TOTAL	284240	188370	258550	386500	423200	682500	341410	388340	291880	274450	308270	191100
MEAN	9169	6279	8340	12470	15110	22020	11380	12530	9729	8853	9944	6370
MAX	13400	7510	11400	19400	22700	30200	15400	18500	13900	10300	11600	9680
MIN	6220	5510	6200	6530	10100	13000	7120	6860	6650	7460	8310	5440

e Estimated

SAVANNAH RIVER BASIN

02198500 SAVANNAH RIVER NEAR CLYO, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1930 - 1997, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	9322	8834	11380	14320	15940	18550	17450	11710	9624	8864	9145	8209
MAX	83660	26510	39150	43930	37320	34780	55680	33890	27770	21260	32850	23520
(WY)	1930	1948	1949	1993	1948	1944	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 1996 CALENDAR YEAR		FOR 1997 WATER YEAR		WATER YEARS 1930 - 1997	
ANNUAL TOTAL	4528700		4018810		11930	
ANNUAL MEAN	12370		11010		20900	
HIGHEST ANNUAL MEAN					6399	
LOWEST ANNUAL MEAN					1964	
HIGHEST DAILY MEAN	36600	Mar 21	30200	Mar 17	e203000	Oct 2-10 1929
LOWEST DAILY MEAN	5510	Nov 27	5440	Sep 24	1950	Sep 27 1931
ANNUAL SEVEN-DAY MINIMUM	5640	Nov 23	5640	Nov 23	2470	Sep 23 1931
INSTANTANEOUS PEAK FLOW			30300	Mar 17	a270000	Oct 6 1929
INSTANTANEOUS PEAK STAGE			15.27	Mar 17	b29.70	Oct 6 1929
ANNUAL RUNOFF (CFSM)	1.26		1.12		1.21	
ANNUAL RUNOFF (INCHES)	17.10		15.18		16.45	
10 PERCENT EXCEEDS	24700		18300		21600	
50 PERCENT EXCEEDS	9460		9680		8980	
90 PERCENT EXCEEDS	6790		6250		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).

e Estimated

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 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)
OCT 24...	0845	81341	7570	97	95	7.2	6.6	18.0	11.5	8.1	85
NOV 05...	1320	81341	6090	114	112	7.3	7.2	18.0	24.5	8.2	86
DEC 12...	1010	81341	8560	98	71	7.3	6.8	12.0	18.5	9.6	89
JAN 28...	1030	81341	10900	86	81	7.1	7.1	11.0	18.5	9.8	88
FEB 25...	1050	81341	22600	64	63	6.6	7.0	12.5	10.0	8.1	75
MAR 25...	1015	81341	15300	83	81	6.8	6.9	16.0	24.0	7.8	79
APR 29...	0915	81341	13500	74	72	6.8	7.1	17.0	20.0	7.8	82
MAY 27...	0900	81341	7390	99	96	7.1	7.0	23.0	22.5	7.1	83
JUN 24...	0830	81341	10300	88	84	7.1	6.9	24.5	29.0	6.9	82
JUL 29...	0900	81341	9140	88	85	7.0	7.1	26.5	30.0	6.6	82
AUG 26...	0910	81341	8590	90	87	6.9	6.9	24.0	26.0	7.1	84
SEP 23...	0910	81341	5760	112	109	6.9	7.5	24.5	24.0	7.0	84

SAVANNAH RIVER BASIN

02198500 SAVANNAH RIVER NEAR CLYO, GA.--Continued

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

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 24...	81341	10	6.0	10	<1.0	21	11
NOV 05...	81341	20	7.0	9	<1.0	24	13
DEC 12...	81341	5	7.0	19	1.0	21	--
JAN 28...	81341	40	9.0	14	<1.0	19	15
FEB 25...	81341	70	12	18	1.0	13	2
MAR 25...	81341	20	10	18	1.0	20	15
APR 29...	81341	20	12	--	<1.0	19	17
MAY 27...	81341	40	13	8	<1.0	21	29
JUN 24...	81341	20	11	12	<1.0	20	21
JUL 29...	81341	25	9.0	15	<1.0	19	17
AUG 26...	81341	20	7.0	9	<1.0	21	14
SEP 23...	81341	20	5.0	10	<1.0	22	14

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 24...	81341	.300	<.030	--	.20	.50	.100	3.0
NOV 05...	81341	.330	<.030	--	.30	.63	.190	3.0
DEC 12...	81341	<.020	<.030	--	.30	--	.040	7.0
JAN 28...	81341	.230	.050	.25	.30	.53	.120	4.0
FEB 25...	81341	.110	.040	.86	.90	1.0	.060	6.0
MAR 25...	81341	.210	.040	.26	.30	.51	.080	5.0
APR 29...	81341	.270	.050	--	--	--	.080	3.0
MAY 27...	81341	.330	<.030	--	.30	.63	.100	3.0
JUN 24...	81341	.320	<.030	--	.30	.62	.110	3.0
JUL 29...	81341	.330	<.030	--	.30	.63	.120	4.0
AUG 26...	81341	.260	<.030	--	.30	.56	.110	3.0
SEP 23...	81341	.310	<.030	--	.20	.51	.120	2.0

SAVANNAH RIVER BASIN

02198500 SAVANNAH RIVER NEAR CLYO, 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)	TRITIUM IN WATER MOLE- CULES (TU) (07012)	TRITIUM WATER MOLE- CULES COUNT ERROR (TU) (07013)
FEB 25...	1051	85113	22600	154	11.0
MAR 25...	1016	85113	15300	352	13.0
APR 29...	0916	85113	13500	128	9.0
MAY 27...	0901	85113	7390	202	11.0
JUN 24...	0831	85113	10300	206	8.0
JUL 29...	0901	85113	9140	245	6.0
AUG 26...	0911	85113	8590	1040	12.0
SEP 23...	0911	85113	5760	269	6.0

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
OCT 24...	0845	81341	7570	<20
NOV 05...	1320	81341	6090	20
DEC 12...	1010	81341	8560	130
JAN 28...	1030	81341	10900	75
FEB 25...	1050	81341	22600	50
MAR 25...	1015	81341	15300	50
APR 29...	0915	81341	13500	130
MAY 27...	0900	81341	7390	<20
JUN 24...	0830	81341	10300	20
JUL 29...	0900	81341	9140	20
AUG 26...	0910	81341	8590	50
SEP 02...	0910	81213	6800	110
09...	0900	81213	5680	<20
23...	0910	81341	5760	<20

SAVANNAH RIVER BASIN

02198500 SAVANNAH RIVER NEAR CLYO, 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 16...	0820	81213	7390	110	7.3	26.5	33.0	6.6	82

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)	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)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)
JUL 16...	81213	6.0	1.4	<1.0	<2.0	<.5	<1.0	1.8

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 16...	81213	1.1	<2.0	<.1	<1.0	<2.0	7.1

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 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 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...	0930	81341	190	55	53	5.6	5.5	10.5	18.0	9.0	80
FEB 25...	0950	81341	445	54	53	5.0	4.9	12.0	10.0	7.8	72
MAR 25...	0920	81341	118	50	49	5.4	5.4	16.5	22.0	6.4	64
APR 29...	0810	81341	290	59	57	5.0	5.0	18.0	20.5	5.9	63
MAY 27...	0800	81341	E.10	50	47	5.4	5.4	21.0	22.5	1.9	21
JUN 24...	0730	81341	50	55	52	5.1	5.1	24.5	28.0	4.6	54
JUL 29...	0800	81341	200	63	42	4.8	5.0	26.0	28.0	4.8	59
AUG 26...	0810	81341	19	53	51	4.8	4.7	21.0	21.5	4.3	49
SEP 23...	0810	81341	E4.0	58	57	4.8	4.8	21.5	21.5	3.6	41

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)
JAN 28...	81341	1.0	1.2	16	3	<1	<.020	<.030	.040	21
FEB 25...	81341	3.0	<1.0	14	1	<1	.110	<.030	.120	33
MAR 25...	81341	2.0	1.0	--	3	6	<.020	<.030	.070	22
APR 29...	81341	4.0	1.6	--	4	5	<.020	<.030	.110	27
MAY 27...	81341	3.0	1.3	14	3	7	.020	.200	.130	25
JUN 24...	81341	1.0	1.2	24	3	1	<.020	.040	.090	38
JUL 29...	81341	1.0	1.1	20	3	1	<.020	.030	.050	39
AUG 26...	81341	1.0	1.2	--	1	1	.250	.030	.060	39
SEP 23...	81341	<1.0	1.1	--	2	<1	<.020	<.030	.050	37

SAVANNAH RIVER BASIN

02198600 RUNS BRANCH NEAR CLYO, 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)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
JAN				
28...	0930	81341	190	490
FEB				
25...	0950	81341	445	270
MAR				
25...	0920	81341	118	230
APR				
29...	0810	81341	290	1300
MAY				
27...	0800	81341	E.10	190
JUN				
24...	0730	81341	50	560
AUG				
26...	0810	81341	19	230
SEP				
02...	0815	81213	E.20	20
09...	0800	81213	E.06	50
23...	0810	81341	E4.0	790

DATE	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									
16...	0710	81213	0.3	54	5.4	24.5	25.0	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)
JUL								
16...	81213	3.5	1.8	<1.0	<2.0	<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							
16...	81213	1.6	<2.0	<0.1	<1.0	<2.0	9.1

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 for the period October 7 to November 25 which are fair, and those less than 10 ft³/s, which are fair to poor.

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)
Feb. 17	1730	*735	*10.78

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	1.1	.30	37	26	72	208	12	205	1.4	9.9	117	.96
2	1.4	.39	67	24	82	176	10	141	1.2	7.6	193	.79
3	1.6	.33	60	24	84	145	9.5	79	.72	5.1	327	.67
4	1.7	.21	64	25	72	116	9.7	107	.61	4.2	296	.64
5	1.4	.39	70	26	60	95	8.8	121	.42	3.7	177	.46
6	1.2	.62	52	38	52	80	8.0	136	2.0	3.6	96	.28
7	2.9	.75	34	38	45	65	5.8	92	7.7	2.1	59	.17
8	70	21	31	48	41	55	3.9	47	7.4	2.7	41	.17
9	63	25	25	140	39	47	2.5	27	4.3	12	32	.10
10	65	13	22	269	38	43	1.8	18	1.7	11	33	.06
11	90	7.9	19	294	36	38	1.1	13	2.4	11	29	.05
12	90	11	17	318	34	35	1.2	12	2.5	8.3	22	.05
13	57	15	26	279	34	32	1.3	28	1.3	5.1	18	.04
14	35	14	26	180	122	46	.93	28	.73	2.4	14	.25
15	23	11	22	116	376	59	.71	22	.63	1.2	11	.59
16	16	9.6	20	88	508	59	.51	17	.46	.74	9.1	.36
17	14	18	19	72	678	59	.46	12	2.9	.65	8.5	.18
18	12	17	21	62	628	56	.39	7.7	32	.55	13	.13
19	5.2	14	78	55	451	64	.29	5.5	104	.47	42	.17
20	2.4	12	88	49	342	47	.19	4.4	217	.34	74	.31
21	1.4	9.0	103	45	263	44	.14	3.1	149	.21	51	.18
22	.79	7.5	97	43	255	41	.12	1.7	92	.44	33	.12
23	.53	4.9	86	41	328	38	.45	1.1	48	.64	24	8.1
24	.52	4.2	66	39	367	31	1.0	.89	29	.43	18	5.7
25	.38	3.1	48	39	382	26	.58	.85	19	.62	13	4.2
26	.60	3.3	38	40	346	25	.34	.77	13	.67	10	5.4
27	.46	4.9	36	40	289	22	4.6	.91	9.3	.32	7.7	8.7
28	.32	7.8	31	41	242	19	214	.86	10	.20	5.2	14
29	.24	7.7	30	40	---	16	318	.67	14	14	3.7	20
30	.23	12	31	46	---	14	240	.72	12	27	2.2	41
31	.29	---	27	60	---	13	---	.69	---	54	1.3	---
TOTAL	559.66	255.89	1391	2645	6266	1814	858.31	1134.86	786.67	191.18	1780.7	191.05
MEAN	18.1	8.53	44.9	85.3	224	58.5	28.6	36.6	26.2	6.17	57.4	6.37
MAX	90	25	103	318	678	208	318	205	217	54	327	41
MIN	.23	.21	17	24	34	13	.12	.67	.42	.20	1.3	.04
CFSM	.10	.05	.25	.47	1.24	.32	.16	.20	.14	.03	.32	.04
IN.	.12	.05	.29	.54	1.29	.37	.18	.23	.16	.04	.37	.04

SAVANNAH RIVER BASIN

02198690 EBENEZER CREEK AT SPRINGFIELD, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1990 - 1997, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	189	110	163	332	298	231	147	52.0	119	54.2	285	55.5
MAX	817	327	557	734	561	506	455	275	324	206	1033	148
(WY)	1995	1993	1995	1993	1995	1993	1991	1991	1991	1991	1991	1992
MIN	.55	8.53	23.5	76.3	72.2	58.5	24.1	1.64	6.30	.053	.40	.12
(WY)	1994	1997	1992	1996	1996	1997	1994	1995	1990	1990	1993	1993

SUMMARY STATISTICS	FOR 1996 CALENDAR YEAR		FOR 1997 WATER YEAR		WATER YEARS 1990 - 1997	
ANNUAL TOTAL	19062.98		17874.32		179	
ANNUAL MEAN	52.1		49.0		373	
HIGHEST ANNUAL MEAN					49.0	
LOWEST ANNUAL MEAN					7010	
HIGHEST DAILY MEAN	404	Mar 31	678	Feb 17	Aug 27 1995	
LOWEST DAILY MEAN	.21	Nov 4	.04	Sep 13	.01	
ANNUAL SEVEN-DAY MINIMUM	.28	Oct 29	.09	Sep 7	.01	
INSTANTANEOUS PEAK FLOW			735	Feb 17	8960	
INSTANTANEOUS PEAK STAGE			10.78	Feb 17	17.80	
INSTANTANEOUS LOW FLOW			.04	Sep 12,13	.01	
ANNUAL RUNOFF (CFSM)	.29		.27		.99	
ANNUAL RUNOFF (INCHES)	3.92		3.67		13.40	
10 PERCENT EXCEEDS	130		121		410	
50 PERCENT EXCEEDS	30		16		48	
90 PERCENT EXCEEDS	1.2		.46		.62	

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 current year.

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 1996 TO SEPTEMBER 1997

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)
JAN 28...	0820	81341	6.31	68	65	5.1	5.1	8.5	11.5	6.1	52
FEB 25...	0830	81341	8.74	59	56	5.1	5.1	14.5	9.5	4.5	43
MAR 25...	0820	81341	7.73	60	59	5.3	5.3	16.0	18.0	1.0	11
APR 29...	0715	81341	6.30	57	56	5.5	5.5	18.0	17.0	2.6	28
MAY 27...	0700	81341	2.53	60	57	5.4	5.4	22.5	22.5	1.3	15
JUN 24...	0640	81341	4.64	60	57	5.2	5.1	24.5	24.5	1.5	18
JUL 29...	0700	81341	3.89	68	67	5.9	5.9	27.0	28.5	2.0	25
AUG 26...	0710	81341	3.74	55	54	5.1	5.0	23.0	18.0	.8	10
SEP 23...	0715	81341	1.05	60	59	5.6	5.6	24.0	18.5	.7	9

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)
JAN 28...	81341	150	1.0	63	1.1	3
FEB 25...	81341	380	4.0	69	1.3	2
MAR 25...	81341	280	1.0	81	1.3	2
APR 29...	81341	160	3.0	55	1.6	6
MAY 27...	81341	280	1.0	66	1.3	4
JUN 24...	81341	320	6.0	77	1.3	3
JUL 29...	81341	180	1.0	59	1.2	9
AUG 26...	81341	100	1.0	82	1.1	4
SEP 23...	81341	150	1.0	70	1.2	5

SAVANNAH RIVER BASIN

02198715 EBENEZER CREEK NEAR STILLWELL, GA.--Continued

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

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)
JAN 28...	81341	<.020	<.030	--	.70	--	.040	25	3.5
FEB 25...	81341	<.020	<.030	--	.70	--	.040	31	4.1
MAR 25...	81341	<.020	.030	.97	1.0	--	.080	33	5.0
APR 29...	81341	.030	<.030	--	--	--	.080	23	--
MAY 27...	81341	<.020	.070	.73	.80	--	.080	27	4.0
JUN 24...	81341	.020	.030	.97	1.0	1.0	.080	34	4.2
JUL 29...	81341	<.020	<.030	--	.80	--	.070	24	3.2
AUG 26...	81341	.330	.040	.96	1.0	1.3	.070	33	5.4
SEP 23...	81341	<.020	<.030	--	.90	--	.070	28	4.2

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	GAGE HEIGHT (FEET) (00065)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
JAN 28...	0820	81341	6.31	20
FEB 25...	0830	81341	8.74	20
MAR 25...	0820	81341	7.73	80
APR 29...	0715	81341	6.30	310
MAY 27...	0700	81341	2.53	70
JUN 24...	0640	81341	4.64	50
JUL 29...	0700	81341	3.89	50
AUG 26...	0710	81341	3.74	20
SEP 02...	0720	81213	2.08	50
09...	0700	81213	.56	20
23...	0715	81341	1.05	50

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, 6.06 ft, May 28; minimum elevation recorded, -3.78 ft, Dec. 20.

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	5.38	-2.14	4.83	-1.99	4.73	-1.97	4.78	-2.01	4.19	-2.09	4.35	-.76
2	5.12	-1.99	3.77	-2.53	4.26	-2.31	4.63	-1.87	4.50	-2.18	4.35	-.73
3	5.05	-1.99	4.59	-.94	4.34	-1.73	4.28	-2.46	4.86	-2.18	4.55	-.63
4	5.31	-.11	4.79	-1.49	4.27	-1.78	4.49	-2.75	5.34	-2.19	4.83	-.70
5	5.12	-.39	4.74	-1.71	4.62	-2.38	4.91	-3.09	5.61	-2.28	5.40	-.42
6	5.19	-.40	4.68	-1.79	4.47	-2.38	4.93	-3.57	5.62	-3.03	5.50	-.25
7	5.76	.19	4.98	-1.94	4.95	-2.51	5.35	-3.42	5.85	-2.19	5.86	-.54
8	5.55	-.75	5.29	-1.89	5.43	-2.92	5.77	-2.96	5.94	-1.89	5.87	.07
9	5.17	-1.43	4.99	-3.46	5.02	-3.44	5.99	-1.84	5.74	-2.45	5.94	-.19
10	5.27	-1.95	5.19	-2.89	5.67	-2.63	5.34	-3.38	5.74	-1.81	5.86	-.26
11	5.53	-1.54	5.34	-3.14	5.55	-2.58	5.12	-3.53	5.69	-1.91	5.81	-.51
12	5.68	-.95	5.31	-2.79	5.59	-2.86	5.27	-2.88	5.51	-2.16	5.81	.18
13	5.63	-.86	5.40	-2.65	5.55	-2.97	5.16	-2.52	5.65	-1.28	5.89	.33
14	5.66	-.99	5.47	-2.58	5.69	-2.61	5.13	-2.09	5.32	-1.55	5.65	-.40
15	5.37	-1.67	5.60	-1.85	5.72	-1.90	5.15	-1.57	4.96	-2.02	4.92	-.58
16	5.47	-1.64	5.88	-1.24	5.76	-1.33	5.37	-2.95	4.75	-1.75	4.96	.17
17	5.40	-1.60	5.49	-1.65	5.61	-1.73	4.70	-2.34	4.81	-1.75	4.92	.35
18	5.42	-1.70	5.25	-2.43	5.27	-2.39	4.35	-2.40	4.92	-1.62	4.84	.44
19	5.15	-1.70	5.28	-2.59	5.13	-3.74	4.91	-2.46	4.97	-1.90	4.83	.39
20	5.37	-1.81	5.35	-2.36	4.43	-3.78	4.64	-2.14	5.00	-1.96	5.12	.18
21	5.39	-2.06	5.63	-2.26	5.21	-3.34	5.22	-2.28	5.00	-1.80	5.34	.71
22	5.52	-1.95	5.32	-2.54	5.26	-2.88	5.27	-1.92	4.79	-1.85	5.34	.27
23	5.52	-1.99	5.73	-2.17	5.12	-3.06	4.91	-1.84	5.07	-2.08	5.55	-.26
24	5.50	-2.60	5.53	-2.61	5.12	-2.89	5.22	-1.76	4.99	-1.30	5.57	-.18
25	5.59	-2.43	5.38	-2.91	4.90	-3.17	4.97	-1.60	4.89	-.85	5.37	-.95
26	5.68	-2.41	4.68	-3.77	5.18	-2.21	4.95	-1.57	4.88	-.60	5.09	-1.95
27	5.63	-2.54	5.16	-3.70	4.94	-2.55	5.07	-1.24	4.78	-.90	5.10	-1.98
28	5.49	-2.58	4.96	-2.66	4.84	-2.56	4.68	-2.13	4.45	-.95	5.05	-1.90
29	5.38	-2.66	4.96	-2.59	4.80	-2.37	4.83	-1.41	---	---	4.88	-2.40
30	5.37	-2.08	4.99	-2.05	4.51	-2.49	4.70	-1.64	---	---	4.41	-2.32
31	5.01	-2.51	---	---	4.36	-2.22	4.28	-1.82	---	---	4.42	-2.76
MONTH	5.76	-2.66	5.88	-3.77	5.76	-3.78	5.99	-3.57	5.94	-3.03	5.94	-2.76

SAVANNAH RIVER BASIN

02198840 SAVANNAH RIVER NEAR PORT WENTWORTH, GA.--Continued

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

[illegible]

SAVANNAH RIVER BASIN

02198840 SAVANNAH RIVER NEAR PORT WENTWORTH, GA.--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 1986 to current year.

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

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum recorded, 740 microsiemens July 1, 2, 5, 1991; minimum, 30 microsiemens, August 26, 1995.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 260 microsiemens Sept. 16; minimum, 40 microsiemens, on several days in March.

SPECIFIC CONDUCTANCE, $\mu\text{S}/\text{CM}$ @ 25° C, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	90	80	140	100	130	110	90	80	110	70	70	40
2	90	70	120	90	120	100	110	80	110	80	80	40
3	110	80	120	90	130	90	110	90	110	80	70	50
4	110	90	120	80	130	100	110	90	100	80	80	50
5	100	70	130	100	110	100	110	90	110	80	80	40
6	90	70	120	100	120	90	110	90	110	90	60	40
7	80	70	130	110	120	90	110	80	110	80	70	40
8	90	70	120	90	110	90	100	80	100	80	70	40
9	110	80	110	80	110	90	110	80	90	70	80	40
10	100	70	110	80	110	90	100	80	90	80	80	40
11	90	70	110	90	110	90	90	70	90	70	80	40
12	90	60	110	80	120	90	90	70	100	70	80	40
13	90	60	110	80	110	90	90	60	90	80	70	50
14	100	60	110	80	110	80	80	60	90	80	70	50
15	90	60	90	80	110	80	80	60	90	70	70	50
16	90	50	100	80	110	90	90	60	100	70	60	40
17	90	60	110	90	120	100	70	50	90	70	70	40
18	110	70	120	90	110	80	70	50	90	60	80	40
19	100	70	120	100	90	70	70	50	100	60	80	50
20	100	60	130	100	90	70	80	50	90	60	70	50
21	110	60	130	100	90	70	90	60	90	60	70	60
22	100	70	120	90	100	70	90	60	80	60	100	60
23	100	70	120	90	120	70	90	70	80	60	90	60
24	110	70	120	100	100	70	100	70	80	60	90	60
25	120	80	130	100	80	60	90	70	70	60	80	70
26	110	80	130	110	80	60	90	60	80	60	100	70
27	120	90	130	110	90	70	100	70	100	60	110	70
28	130	90	130	100	110	70	100	70	80	50	100	70
29	150	100	120	110	120	90	90	80	---	---	90	70
30	130	100	130	110	120	80	90	80	---	---	100	60
31	140	100	---	---	110	80	100	80	---	---	90	60
MONTH	150	50	140	80	130	60	110	50	110	50	110	40

SAVANNAH RIVER BASIN

02198840 SAVANNAH RIVER NEAR PORT WENTWORTH, GA.--Continued

SPECIFIC CONDUCTANCE, $\mu\text{S}/\text{CM}$ @ 25° C, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

[illegible]

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 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 1996 TO SEPTEMBER 1997

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)
JAN 28...	0700	7.20	81341	103	97	5.9	5.8	10.5	12.5	7.4	66
FEB 25...	0710	8.60	81341	71	69	5.2	5.2	12.5	8.5	7.0	65
MAR 25...	0710	10.99	81341	80	78	6.1	6.3	17.5	16.0	5.4	56
APR 29...	0600	11.04	81341	550	516	6.5	6.5	20.0	16.0	5.1	56
MAY 27...	0555	10.48	81341	196	187	6.8	6.8	24.0	22.5	5.5	66
JUN 24...	0540	10.02	81341	103	98	6.1	6.2	26.0	24.5	4.1	50
JUL 29...	0600	12.20	81341	150	145	6.7	6.9	29.0	25.0	4.3	56
AUG 26...	0610	12.29	81341	151	147	6.7	6.7	25.0	18.0	5.0	60
SEP 23...	0615	11.88	81341	615	599	6.8	6.9	25.0	19.5	4.6	55

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)
JAN 28...	81341	5.0	1.3	20	6	4	<.020	<.030	.070	19
FEB 25...	81341	7.0	1.3	12	3	6	.100	<.030	.060	28
MAR 25...	81341	6.0	1.1	--	9	9	.030	<.030	.070	19
APR 29...	81341	12	<1.0	--	16	15	.090	.040	.080	8.0
MAY 27...	81341	8.0	<1.0	28	23	12	.230	<.030	.100	5.0
JUN 24...	81341	7.0	<1.0	22	10	11	.110	<.030	.100	23
JUL 29...	81341	8.0	<1.0	22	23	10	.140	<.030	.120	11
AUG 26...	81341	7.0	1.0	18	25	6	.150	<.030	.100	6.0
SEP 23...	81341	6.0	<1.0	58	29	8	.160	.060	.090	5.0

SAVANNAH RIVER BASIN

02198880 ST. AUGUSTINE CREEK NEAR PORT WENTWORTH, GA.--Continued

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

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	GAGE HEIGHT (FEET) (00065)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
JAN 28...	0700	81341	7.20	80
FEB 25...	0710	81341	8.60	140
MAR 25...	0710	81341	10.99	80
APR 29...	0600	81341	11.04	1100
MAY 27...	0555	81341	10.48	110
JUN 24...	0540	81341	10.02	490
JUL 29...	0600	81341	12.20	180
AUG 26...	0610	81341	12.29	80
SEP 02...	0620	81213	10.44	130
09...	0610	81213	8.74	50
23...	0615	81341	11.88	230

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 current year.

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.

EXTREMES FOR CURRENT YEAR.--Maximum gage height recorded, 10.07 ft, May 28; minimum gage height recorded, -2.76 ft, Jan. 10.

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	9.07	.41	8.36	1.17	8.22	1.03	8.29	1.12	7.65	.62	7.66	.28
2	8.72	.75	7.28	.56	7.69	.87	8.11	1.20	7.89	.35	7.70	.47
3	8.62	1.03	8.08	2.41	7.79	1.55	7.80	.76	8.36	.22	7.89	.40
4	8.94	3.26	8.30	1.86	7.78	1.52	7.96	.25	8.93	.01	8.20	-.03
5	8.70	2.93	8.22	1.58	8.12	.64	8.43	-.97	9.30	-.52	8.93	-.21
6	8.78	2.79	8.18	1.25	7.91	.32	8.46	-.95	9.34	-1.67	9.05	-1.45
7	9.44	3.23	8.56	1.22	8.47	-.31	9.01	-1.11	9.67	-.98	9.47	-1.73
8	9.20	1.20	8.91	.12	9.08	-.40	9.61	-.77	9.82	-1.47	9.48	-1.11
9	8.74	1.11	8.55	-.60	8.58	-1.18	9.91	-.77	9.48	-1.49	9.60	-1.54
10	8.87	.19	8.80	-.34	9.42	-.45	8.95	-2.76	9.47	-.93	9.49	-1.63
11	9.18	.70	9.00	-.71	9.24	-.84	8.67	-2.48	9.38	-.81	9.43	-1.42
12	9.38	1.11	8.98	-.33	9.31	-1.06	8.88	-1.71	9.15	-.58	9.50	-.38
13	9.29	.89	9.08	-.21	9.25	-1.22	8.74	-1.05	9.34	.99	9.51	.66
14	9.33	.36	9.16	-.16	9.45	-.46	8.70	-.48	8.94	.75	9.19	.13
15	8.97	-.11	9.35	1.08	9.49	.35	8.71	.29	8.50	-.13	8.36	-.08
16	9.09	.26	9.70	1.57	9.56	.91	8.93	-1.51	8.24	.74	8.41	1.53
17	9.02	.42	9.20	.73	9.34	.57	8.06	-.34	8.30	.81	8.30	1.50
18	9.04	.56	8.88	.14	8.89	.17	7.72	-.46	8.41	.49	8.19	1.08
19	8.74	.68	8.93	.03	8.72	-1.65	8.36	-.54	8.47	.10	8.15	.19
20	8.96	.62	9.03	-.01	7.85	-1.10	8.11	-.61	8.51	-.23	8.54	.15
21	9.00	.34	9.41	.11	8.80	-1.10	8.76	-.91	8.51	-.26	8.82	1.14
22	9.21	-.02	8.96	-.46	8.89	-.66	8.81	-.57	8.20	-.84	8.83	.53
23	9.22	-.02	9.58	-.04	8.69	-1.05	8.38	-.88	8.56	-1.55	9.14	.01
24	9.20	-.80	9.30	-.47	8.67	-1.04	8.73	-.75	8.47	-.24	9.19	.78
25	9.35	-.70	9.06	-.63	8.40	-1.54	8.48	-.86	8.36	.11	8.93	.02
26	9.46	-.58	8.19	-1.23	8.78	.00	8.43	-.52	8.34	.19	8.45	-.85
27	9.42	-.55	8.80	-1.05	8.49	-.29	8.61	.38	8.03	-.11	8.65	-.74
28	9.20	-.42	8.55	.28	8.37	.06	7.97	-.20	7.75	-.01	8.39	-.04
29	9.05	-.29	8.57	.46	8.33	.30	8.34	1.33	---	---	8.34	-.66
30	9.03	.52	8.54	1.18	8.01	.23	8.20	.76	---	---	7.80	-.32
31	8.58	.43	---	---	7.82	.63	7.78	.90	---	---	7.86	-.93
MONTH	9.46	-.80	9.70	-1.23	9.56	-1.65	9.91	-2.76	9.82	-1.67	9.60	-1.73

SAVANNAH RIVER BASIN

02198920 SAVANNAH (FRONT) RIVER AT U.S. 17 AT PORT WENTWORTH, GA.-- Continued

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

[illegible]

SAVANNAH RIVER BASIN

02198920 SAVANNAH (FRONT) RIVER AT U.S. 17 AT PORT WENTWORTH, GA.-- Continued

WATER-QUALITY RECORDS

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: October 1987 to current year.

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

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 29,400 microsiemens Dec. 5, 1996; minimum, 30 microsiemens Jan. 2, 3, 1993

Apr. 2-8, 10, 11, 1993, Oct. 4, 1994, Oct. 28, 1995.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 29,400 μ S Dec. 5; minimum, 60 μ S Feb. 25, 26, 27, 28, Mar. 16, 17, 18.SPECIFIC CONDUCTANCE, μ S/CM @ 25°C, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	1340	100	11300	120	15400	150	22000	130	18200	110	270	70
2	4990	90	17300	120	21400	120	23100	180	18500	120	180	70
3	13200	100	20000	250	25700	160	20700	150	18100	110	480	70
4	20900	160	26900	660	25900	290	25100	160	15300	110	1730	70
5	21000	210	25500	360	29400	140	24300	150	9690	110	3650	70
6	22900	140	21100	340	24000	130	19300	150	3920	110	1800	70
7	27200	270	19500	310	19400	110	14200	150	2400	100	160	70
8	20400	100	17200	140	16700	100	11000	140	1400	100	90	70
9	12700	90	12800	130	11100	110	8620	150	510	80	90	70
10	8900	90	11200	140	9710	110	1810	130	440	80	90	70
11	7240	100	9990	120	4920	110	680	120	320	80	90	70
12	6910	90	7460	130	3300	100	520	110	260	80	90	70
13	2410	80	5690	110	2100	100	400	100	450	80	90	70
14	1150	80	4350	110	2760	100	270	100	560	80	90	70
15	430	70	6090	100	2980	90	250	100	810	80	80	70
16	330	70	10500	110	2840	100	230	90	3480	80	80	60
17	330	80	11100	120	2630	110	1620	90	6810	80	80	60
18	780	90	9500	120	1660	130	4010	90	8010	70	80	60
19	7280	90	8160	130	1830	120	8640	90	5880	70	80	70
20	13900	90	8500	150	4800	120	6470	90	5150	70	100	70
21	9110	90	9490	150	8680	120	8120	90	2250	70	1250	70
22	5900	100	6670	140	7940	120	2930	90	320	70	950	80
23	3680	90	8270	130	3260	120	410	100	140	70	360	80
24	2020	90	5620	120	1160	110	180	100	130	70	210	80
25	2210	100	4750	120	840	110	220	100	190	60	170	80
26	1970	100	2980	130	1640	100	220	100	150	60	110	80
27	1610	100	6650	120	2010	110	290	100	230	60	140	90
28	1540	110	10600	140	4250	110	980	110	270	60	2060	90
29	1910	110	12000	140	9240	120	6410	110	---	---	2870	80
30	3380	120	13600	160	10800	130	12400	110	---	---	6360	80
31	6650	120	---	---	14100	130	15800	110	---	---	7540	80
MONTH	27200	70	26900	100	29400	90	25100	90	18500	60	7540	60

[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 and Jan. 10, 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 9.98 ft, May 28; minimum gage height recorded, -2.75 ft, Jan. 11, but was lower during the period when the stage went below the recordable range of the gage.

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	8.81	.44	8.05	1.10	7.87	.92	7.98	1.01	7.29	.41	7.36	.15
2	8.44	.77	6.94	.47	7.34	.78	7.75	1.05	7.45	.23	7.36	.29
3	8.31	1.03	7.77	2.34	7.44	1.40	7.46	.61	7.99	.05	7.49	.20
4	8.69	3.17	7.97	1.79	7.47	1.38	7.60	.12	8.62	-.22	7.75	-.21
5	8.44	2.85	7.87	1.44	7.83	.48	8.09	-1.09	9.01	-.74	8.62	-.48
6	8.55	2.74	7.84	1.13	7.52	.16	8.08	-.95	9.13	-1.80	8.73	-1.75
7	9.27	3.17	8.24	.98	8.11	-.54	8.72	-1.24	9.49	-1.16	9.23	-2.08
8	8.96	1.02	8.58	-.19	8.81	-.54	9.45	-.99	9.66	-1.80	9.28	-1.66
9	8.41	.62	8.22	-.75	8.22	-1.27	9.76	-1.05	9.30	-1.70	9.42	-2.03
10	8.53	.08	8.48	-.47	9.18	-.58	8.64	---	9.28	-1.11	9.30	-2.15
11	8.88	.57	8.71	-.79	9.00	-.96	8.33	-2.65	8.96	-1.02	9.22	-1.78
12	9.15	1.01	8.72	-.48	9.09	-1.17	8.61	-1.94	8.89	-.77	9.37	-.78
13	9.05	.75	8.82	-.30	9.05	-1.31	8.43	-1.21	9.13	.95	9.24	.37
14	9.10	.16	8.93	-.33	9.26	-.53	8.38	-.67	8.68	.72	8.99	-.04
15	8.68	-.26	9.11	1.05	9.29	.18	8.39	.25	8.19	-.21	8.10	-.29
16	8.83	.21	9.54	1.50	9.35	.77	8.67	-1.59	7.84	.64	8.10	1.38
17	8.77	.37	8.92	.65	9.11	.44	7.60	-.46	7.95	.71	7.94	1.19
18	8.77	.54	8.55	.04	8.61	.12	7.26	-.65	8.05	.24	7.80	.86
19	8.51	.61	8.62	-.04	8.43	-1.73	7.97	-.71	8.10	.03	7.72	-.03
20	8.67	.50	8.75	-.07	7.48	-1.23	7.75	-.71	8.14	-.33	8.20	-.03
21	8.68	.19	9.18	-.33	8.46	-1.14	8.38	-1.00	8.14	-.36	8.50	.89
22	8.93	-.13	8.70	-.62	8.59	-.82	8.45	-.65	7.76	-.97	8.52	.36
23	8.99	-.28	9.41	-.13	8.36	-1.14	7.97	-1.04	8.19	-1.67	8.87	-.09
24	8.94	-.88	9.08	-.54	8.34	-1.10	8.36	-.87	8.08	-.36	8.97	.59
25	9.13	-.83	8.84	-.67	8.02	-1.61	8.16	-.98	8.05	-.01	8.64	-.14
26	9.30	-.66	7.85	-1.30	8.45	-.07	8.07	-.65	8.03	.02	8.11	-.98
27	9.24	-.64	8.52	-1.08	8.13	-.36	8.27	.30	7.65	-.27	8.31	-.84
28	9.00	-.44	8.23	.20	8.03	.04	7.62	-.22	7.37	-.16	8.02	-.04
29	8.81	-.28	8.26	.41	8.01	.15	8.01	1.28	---	---	7.91	-.71
30	8.78	.45	8.22	1.08	7.67	.05	7.90	.68	---	---	7.34	-.39
31	8.28	.41	---	---	7.49	.57	7.45	.79	---	---	7.46	-1.10
MONTH	9.30	-.88	9.54	-1.30	9.35	-1.73	9.76	---	9.66	-1.80	9.42	-2.15

SAVANNAH RIVER BASIN

02198977 SAVANNAH RIVER AT BROAD STREET AT SAVANNAH, GA.-- Continued

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	7.37	-.19	8.58	-.24	8.96	-.84	9.43	.09	9.32	.79	8.81	.56
2	8.35	.43	8.88	-.48	9.15	-.96	9.76	.08	9.34	.73	8.57	.89
3	8.51	-.60	8.83	-.71	9.32	-.88	9.45	.10	8.89	.25	8.58	.52
4	8.84	-1.00	9.21	-1.43	9.62	-.08	9.07	-.22	8.46	.02	8.66	.54
5	9.04	-1.12	9.28	-1.38	9.89	.86	8.64	-.27	8.34	-.18	8.47	1.08
6	9.34	-1.41	9.27	-1.95	9.64	.78	8.58	-.41	8.54	.48	8.25	1.07
7	9.25	-1.96	9.45	-1.40	9.53	1.16	8.42	-.26	8.47	1.08	7.98	1.01
8	9.69	-1.85	9.27	-1.07	9.07	.81	8.23	.21	8.33	1.57	7.82	1.05
9	9.44	-1.11	8.37	-1.23	8.94	1.20	8.18	.48	8.34	1.52	8.14	1.14
10	9.47	.16	8.40	-1.24	8.96	1.40	8.16	-.19	7.93	1.18	8.14	1.13
11	9.31	.09	8.31	.31	8.49	1.09	7.78	.87	8.03	1.25	8.32	.86
12	9.02	.17	8.31	.77	8.05	1.21	8.07	1.39	7.98	1.17	8.72	.38
13	8.41	.36	8.12	.58	7.89	1.08	7.90	1.04	8.12	.62	9.07	.04
14	7.57	1.27	7.50	.82	7.28	.54	7.91	.76	8.48	-.29	9.38	-.50
15	7.90	1.90	7.60	.32	8.25	.69	7.94	.14	8.82	-.55	9.64	-.84
16	8.02	1.50	7.28	.67	8.64	1.09	8.17	-.26	8.80	-1.09	9.78	-.86
17	7.86	.03	7.53	.25	8.72	.26	8.79	-.26	9.16	-1.63	9.64	-.83
18	8.01	.08	7.67	-.38	8.46	-.12	9.13	-.81	9.33	-1.87	9.57	-.92
19	7.87	.36	8.04	-.54	8.97	-.85	9.34	-1.24	9.86	-1.77	9.56	-.90
20	8.69	.20	8.10	-1.08	9.24	-.83	9.53	-1.26	9.66	-.51	9.39	-.56
21	8.77	.47	8.92	-.90	9.27	-.80	9.70	-1.06	9.38	-.76	9.06	-.42
22	8.78	-.29	9.15	-.04	9.12	-1.03	9.55	-1.04	9.11	-1.12	9.42	1.27
23	8.55	-.41	9.25	-.23	9.01	-1.18	9.13	-1.07	9.26	-.52	8.72	.96
24	8.96	-.68	9.14	-.28	8.87	-1.20	9.08	-1.56	9.07	.47	8.45	.95
25	8.84	-.07	8.80	-.61	8.83	-1.26	8.68	-1.44	8.89	.54	8.52	1.25
26	9.06	.07	8.75	-1.08	8.55	-.98	8.93	-.74	8.88	.99	8.77	1.16
27	9.06	.63	9.53	-.25	8.41	-1.12	8.97	-.19	8.58	.70	8.63	1.65
28	9.09	.15	9.98	1.60	8.93	-.67	8.47	-.39	8.44	.27	8.22	.43
29	7.84	-.57	9.07	.73	9.30	-.10	8.38	-.76	8.48	.11	7.98	-.19
30	8.62	.45	8.71	.15	9.46	.14	8.81	-.73	8.66	.39	7.94	-.16
31	---	---	8.97	-.21	---	---	9.47	.49	8.74	.58	---	---
MONTH	9.69	-1.96	9.98	-1.95	9.89	-1.26	9.76	-1.56	9.86	-1.87	9.78	-.92

SAVANNAH RIVER BASIN

021989784 LITTLE BACK RIVER ABOVE LUCKNOW CANAL NEAR LIMEHOUSE, S.C.

LOCATION.--Lat 32°11'08", long 81°07'05", Jasper County, S.C., Hydrologic Unit 03060109, on a free-standing platform near the left bank, 300 ft upstream from the north control gate of Lucknow Canal, near the service road to the northern part of the Savannah National Wildlife Refuge, 1.3 mi. north of the Refuge Headquarters, and 3.4 mi. southwest of Limehouse, S.C.

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

PERIOD OF DAILY RECORD.--May 1990 to current year.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum recorded, 12,200 microsiemens Oct. 6, 1990; minimum recorded, 40 microsiemens on several days in January 1993, Oct. 14, 1994.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 1,560 μ S Sept. 13; minimum, 60 μ S on several days in March.

SPECIFIC CONDUCTANCE, μ S/CM @ 25° C, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	200	120	240	120	600	200	260	100	340	90	170	60
2	200	110	280	110	350	140	260	120	410	90	190	60
3	190	100	280	110	300	120	200	110	300	100	220	70
4	310	110	670	110	340	120	490	120	440	100	300	70
5	240	120	720	150	410	140	820	190	450	120	170	70
6	240	110	760	210	410	130	850	230	520	140	180	70
7	330	120	880	290	510	160	890	340	540	160	260	70
8	370	110	860	420	570	180	920	450	470	130	110	70
9	200	90	920	210	770	150	730	370	560	120	140	70
10	290	100	790	360	530	270	510	260	550	110	170	70
11	280	110	730	390	680	290	310	150	610	100	130	70
12	220	120	620	390	650	210	320	130	630	100	80	60
13	210	120	520	330	320	170	320	110	630	100	80	60
14	220	90	450	230	310	150	330	90	680	90	80	60
15	260	80	310	190	320	140	280	90	520	90	80	60
16	240	80	340	190	290	140	200	80	680	90	80	60
17	280	80	430	210	350	130	300	80	750	90	80	60
18	300	80	600	240	310	110	220	80	750	80	70	60
19	190	90	550	300	340	100	270	80	770	80	70	60
20	260	90	820	380	400	90	280	80	590	70	80	70
21	280	120	1000	430	190	90	330	80	580	70	80	70
22	670	150	1090	400	320	100	300	80	560	70	80	70
23	510	180	1110	350	200	100	290	80	490	70	90	70
24	770	150	1140	340	230	90	250	80	400	70	90	80
25	360	140	1000	330	200	80	320	80	410	70	100	80
26	200	140	840	260	110	80	340	80	260	70	100	80
27	390	140	950	190	110	70	330	80	390	70	100	80
28	420	140	900	230	170	70	370	80	190	70	100	80
29	170	140	910	280	200	70	260	90	---	---	90	80
30	170	140	750	250	140	100	390	90	---	---	90	70
31	170	130	---	---	150	100	310	90	---	---	90	70
MONTH	770	80	1140	110	770	70	920	80	770	70	300	60

SAVANNAH RIVER BASIN

021989784 LITTLE BACK RIVER ABOVE LUCKNOW CANAL NEAR LIMEHOUSE, S.C.-- Continued

SPECIFIC CONDUCTANCE, $\mu\text{S}/\text{CM}$ @ 25°C, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

[illegible]

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, 9.94 ft, May 28; minimum gage height recorded, -1.21 ft, Jan. 11.

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	9.09	.80	8.20	1.37	8.38	1.22	8.41	1.19	7.82	.76	7.80	.82
2	8.80	1.03	7.30	.79	7.93	.97	8.27	1.28	8.08	.57	7.86	.89
3	8.71	1.19	8.00	2.48	8.01	1.59	7.97	.80	8.45	.47	8.04	.86
4	9.01	3.30	8.18	1.94	7.91	1.55	8.13	.39	8.98	.47	8.29	.51
5	8.77	2.92	8.13	1.67	8.26	.73	8.52	.02	9.29	.28	8.95	.97
6	8.87	2.84	8.09	1.51	8.06	.63	8.54	-.64	9.30	-.72	9.05	.27
7	9.52	3.33	8.39	1.39	8.55	.48	9.01	-.64	9.59	.20	9.42	-.10
8	9.28	1.97	8.72	1.35	9.09	-.08	9.53	-.26	9.71	.37	9.46	.76
9	8.80	1.39	8.39	-.25	8.60	-.76	9.81	.91	9.44	-.21	9.56	.47
10	8.91	.71	8.84	.01	9.38	.03	8.97	-1.01	9.45	.52	9.45	.43
11	9.21	1.14	9.03	-.31	9.25	-.04	8.71	-1.21	9.38	.41	9.39	.23
12	9.39	1.67	9.00	.07	9.29	-.30	8.90	-.62	9.17	.26	9.39	1.17
13	9.34	1.63	9.08	.18	9.26	-.42	8.78	-.24	9.37	1.44	9.52	1.73
14	9.37	1.33	9.17	.24	9.44	.13	8.75	.25	9.02	1.13	9.30	.82
15	9.02	.67	9.33	1.23	9.48	1.01	8.76	.88	8.58	.43	8.43	.52
16	9.15	.76	9.67	1.80	9.52	1.57	9.00	-.98	8.33	.96	8.46	1.82
17	9.08	.88	9.20	1.17	9.36	1.10	8.19	-.01	8.37	.96	8.38	1.77
18	9.09	.94	8.94	.57	8.94	.52	7.85	-.09	8.49	1.05	8.27	1.46
19	8.79	1.05	8.96	.43	8.77	-.89	8.42	-.20	8.51	.47	8.22	1.42
20	9.01	.96	9.05	.79	8.02	-1.07	8.18	.02	8.55	.21	8.57	.79
21	9.03	.72	9.38	.62	8.82	-.63	8.76	-.26	8.56	.28	8.84	1.73
22	9.22	.74	9.02	.23	8.91	-.15	8.82	.06	8.33	-.13	8.86	1.30
23	9.24	.73	9.52	.68	8.74	-.43	8.43	-.08	8.59	-.62	9.12	.74
24	9.18	.07	9.29	.25	8.71	-.39	8.74	-.04	8.51	.38	9.23	1.57
25	9.31	.16	8.94	.03	8.45	-.83	8.51	-.01	8.42	.77	8.98	.68
26	9.42	.25	8.31	-.81	8.80	.43	8.48	.14	8.42	.90	8.56	-.34
27	9.37	.20	8.84	-.68	8.54	.15	8.66	.95	8.22	.52	8.66	-.25
28	9.21	.24	8.63	.48	8.44	.35	8.22	.27	7.93	.56	8.63	.38
29	8.81	.39	8.64	.63	8.42	.56	8.44	1.47	---	---	8.45	-.31
30	8.79	1.09	8.65	1.26	8.14	.49	8.26	1.13	---	---	7.98	-.08
31	8.40	.76	---	---	8.01	.84	7.89	1.07	---	---	7.93	-.94
MONTH	9.52	.07	9.67	-.81	9.52	-1.07	9.81	-1.21	9.71	-.72	9.56	-.94

SAVANNAH RIVER BASIN

02198979 LITTLE BACK RIVER NEAR LIMEHOUSE, S.C.--Continued

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

[illegible]

SAVANNAH RIVER BASIN

021989791 LITTLE BACK RIVER AT U.S. FISH AND WILDLIFE DOCK NEAR LIMEHOUSE, S.C.

LOCATION.--Lat 32°10'14", long 81°07'06", Jasper County, S.C., Hydrologic Unit 03060109, on right dock headwall on the left bank at U.S. Fish and Wildlife Dock at the headquarters of the Savannah National Wildlife Refuge, 0.3 mi north of U.S. 17, and 4.1 mi southwest of Limehouse, S.C.

PERIOD OF DAILY RECORD.--October 1989 to current year.

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

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum recorded, 13,700 microsiemens Oct. 2, 1990; minimum recorded, 40 microsiemens October 13, 1994; February 26, 27, 1995.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 4,550 microsiemens Sept. 14; minimum, 50 microsiemens Aug. 27, 28.

SPECIFIC CONDUCTANCE, $\mu\text{S}/\text{CM}$ @ 25° C, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	220	120	310	140	720	200	390	100	180	90	90	60
2	160	110	340	120	320	150	500	120	300	90	80	70
3	190	110	620	120	510	140	500	120	400	100	80	70
4	430	120	960	130	790	140	690	110	450	100	90	70
5	410	120	1200	130	910	140	1000	180	1160	130	90	70
6	440	120	1240	200	770	150	1120	260	550	140	90	70
7	2070	120	1400	280	810	170	2250	380	600	160	110	70
8	680	110	2010	520	1630	220	3290	500	530	140	90	70
9	270	100	1060	240	610	180	2730	390	270	120	90	70
10	300	100	1240	340	2130	240	660	270	230	110	90	70
11	300	120	1370	410	970	300	360	150	190	100	90	70
12	380	130	890	390	750	210	230	120	140	100	80	70
13	240	120	740	320	570	170	160	100	210	100	90	70
14	210	100	580	240	480	150	130	90	120	90	180	70
15	130	90	940	200	460	140	110	80	130	90	120	70
16	110	90	1810	200	470	130	100	80	130	90	80	60
17	110	80	1050	230	380	130	100	70	130	90	80	60
18	110	90	560	250	180	120	100	70	120	80	80	70
19	110	90	570	290	180	110	90	70	120	80	90	70
20	230	100	910	350	170	100	90	70	110	80	100	70
21	310	120	1750	420	330	100	100	70	100	70	90	70
22	390	140	800	410	360	120	100	70	100	70	100	80
23	410	180	1910	370	290	120	100	70	100	70	100	80
24	380	180	1110	360	200	110	100	80	90	70	100	80
25	480	150	700	340	150	80	90	80	80	70	140	80
26	550	140	440	270	120	80	100	80	80	70	110	80
27	500	140	600	200	120	80	90	80	80	70	110	90
28	420	150	550	240	140	80	100	80	90	70	110	90
29	280	150	790	280	240	90	110	80	---	---	110	80
30	230	150	770	260	310	110	150	90	---	---	100	80
31	260	140	---	---	300	100	190	90	---	---	100	80
MONTH	2070	80	2010	120	2130	80	3290	70	1160	70	180	60

SAVANNAH RIVER BASIN

021989791 LITTLE BACK RIVER AT U.S. FISH AND WILDLIFE DOCK NEAR LIMEHOUSE, S.C.--Continued

SPECIFIC CONDUCTANCE, $\mu\text{S}/\text{CM}$ @ 25° C, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

[illegible]

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 Cockspur 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, 9.12 ft, May 28; minimum gage height recorded, -3.00 ft, Jan 10.

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	7.85	.48	7.10	1.07	6.82	.91	6.86	1.00	6.18	.40	6.18	.17
2	7.47	.83	5.93	.58	6.15	.74	6.70	1.00	6.31	.24	6.22	.24
3	7.31	1.08	6.80	1.95	6.35	1.31	6.42	.48	6.91	.05	6.27	.16
4	7.76	2.84	6.97	1.79	6.35	1.37	6.47	.17	7.66	-.21	6.47	-.26
5	7.47	2.72	6.84	1.31	6.87	.41	7.04	-.99	8.12	-1.39	7.58	-.53
6	7.65	2.64	6.80	.94	6.40	.06	7.14	-1.12	8.28	-1.65	7.69	-1.95
7	8.43	3.21	7.28	.99	7.13	-.41	7.87	-1.12	8.69	-1.06	8.30	-1.98
8	8.17	1.00	7.65	-.71	7.99	-1.00	8.70	-.81	8.88	-1.82	8.36	-1.76
9	7.45	.29	7.24	-.79	7.20	-1.11	9.00	-1.27	8.44	-1.62	8.52	-2.10
10	7.54	.27	7.57	-.32	8.37	-.50	7.90	-3.00	8.42	-1.12	8.31	-2.12
11	7.94	.66	7.88	-.68	8.13	-.97	7.35	-2.61	7.98	-.88	8.22	-2.01
12	8.25	1.05	7.85	-.38	8.24	-1.23	7.61	-1.76	7.62	-.56	8.41	-.74
13	8.25	.81	7.94	-.28	8.19	-1.24	7.40	-1.23	8.20	.91	8.03	.28
14	8.18	.19	8.06	-.18	8.44	-.42	7.32	-.50	7.75	.74	7.99	-.02
15	7.72	-.15	8.23	.94	8.51	-.15	7.30	.23	7.14	-.08	6.97	-.19
16	7.90	.23	8.70	1.53	8.53	.59	7.60	-1.44	6.66	.58	7.07	1.24
17	7.81	.41	8.00	.73	8.21	.28	6.27	-.52	6.79	.65	6.88	1.05
18	7.81	.62	7.60	.13	7.65	.11	6.06	-.75	6.96	-.04	6.66	.64
19	7.65	.70	7.69	-.14	7.42	-1.66	6.82	-.56	6.96	-.24	6.57	.00
20	7.75	.51	7.83	.05	6.24	-1.04	6.62	-.89	7.01	-.37	7.20	.15
21	7.73	.25	8.35	-.36	7.49	-.65	7.33	-.92	7.02	-.34	7.47	.88
22	8.01	-.01	7.81	-.32	7.69	-.60	7.35	-.76	6.50	-.93	7.47	.38
23	8.11	-.75	8.69	.04	7.39	-.99	6.79	-.98	6.97	-1.59	7.84	-.32
24	8.06	-.75	8.24	-.43	7.31	-1.00	7.17	-.87	6.92	-.37	7.96	.58
25	8.26	-.73	7.94	-.58	6.88	-1.49	7.03	-.95	6.95	-.21	7.66	-.12
26	8.49	-.60	6.79	-1.16	7.43	-.05	6.89	-.64	6.92	.11	6.87	-.85
27	8.45	-.55	7.57	-.99	7.04	-.32	7.22	.30	6.20	-.35	7.19	-.77
28	8.15	-.34	7.26	.20	6.92	.00	6.45	-.20	6.17	-.24	6.89	.04
29	7.96	-.18	7.27	.43	6.95	.17	6.91	1.20	---	---	6.46	-.55
30	7.94	.57	7.19	1.03	6.59	.20	6.89	.91	---	---	6.33	-.34
31	7.28	.45	---	---	6.35	.58	6.51	.73	---	---	6.35	-.94
MONTH	8.49	-.75	8.70	-1.16	8.53	-1.66	9.00	-3.00	8.88	-1.82	8.52	-2.12

[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 1996 TO SEPTEMBER 1997

Date	Elevation (feet)*	Contents (acre-feet)	Change in contents (acre-feet)	Change in contents (equivalent in cubic feet per second)
Sept. 30.....	1865.4	105000	-	-
Oct. 31.....	1865.0	103000	-2000	-33
Nov. 30.....	1860.7	91800	-11200	-188
Dec. 31.....	1857.8	84500	-7300	-119
CAL YR 1996	-	-	+11100	+15
Jan. 31.....	1854.0	75600	-8900	-145
Feb. 28.....	1858.8	86900	+11300	+203
Mar. 31.....	1863.4	98900	+12000	+195
Apr. 30.....	1865.0	103000	+4100	+69
May 31.....	1864.9	103000	0	0
June 30.....	1865.2	104000	+1000	+17
July 31.....	1865.0	103000	-1000	-16
Aug. 31.....	1864.9	103000	0	0
Sept. 30.....	1865.2	104000	+1000	+17
WTR YR 1997	-	-	-1000	-1

* Elevation at 0700 on day following that shown in first column.

LAKES AND RESERVOIRS IN SAVANNAH RIVER BASIN--Continued

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 1996 TO SEPTEMBER 1997

Date	Elevation (feet)*	Contents (acre-feet)	Change in contents (acre-feet)	Change in contents (equivalent in cubic feet per second)
Sept. 30.....	1687.7	29700	-	-
Oct. 31.....	1687.9	29800	+100	+2
Nov. 30.....	1687.6	29600	-200	-3
Dec. 31.....	1675.6	21500	-8100	-132
CAL YR 1996	-	-	-8300	-11
Jan. 31.....	1687.6	29600	+8100	+132
Feb. 28.....	1687.1	29300	-300	-5
Mar. 31.....	1687.7	29700	+400	+7
Apr. 30.....	1687.9	29800	+100	+2
May 31.....	1688.1	30000	+200	+3
June 30.....	1687.8	29800	-200	-3
July 31.....	1688.0	29900	+100	+2
Aug. 31.....	1687.7	29700	-200	-3
Sept. 30.....	1688.1	30000	+300	+5
WTR YR 1997	-	-	+300	0

*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, 2,734,100 acre-ft, Mar. 9 and 10, elevation, 663.20 ft; minimum, 2,326,600 acre-ft, Sep. 24, elevation 655.86 ft.

MONTHEND ELEVATION AND CONTENTS AT 2400, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

Date	Elevation (feet)	Contents (acre-feet)	Change in contents (acre-feet)	Change in contents (equivalent in cubic feet per second)
Sept. 30.....	658.72	2478900	-	-
Oct. 31.....	657.70	2423700	-55200	-900
Nov. 30.....	656.99	2385800	-37900	-633
Dec. 31.....	656.95	2383700	-2100	-34
CAL YR 1996	-	-	-26600	-36
Jan. 31.....	658.70	2477800	+94100	+1531
Feb. 28.....	661.81	2652700	+174900	+3146
Mar. 31.....	661.14	2614100	-38600	-627
Apr. 30.....	662.47	2691100	+77000	+1296
May 31.....	661.91	2658400	-32700	-534
June 30.....	660.48	2576700	-81700	-1373
July 31.....	659.56	2525200	-51500	-836
Aug. 31.....	657.58	2417300	-107900	-1755
Sept. 30.....	656.06	2336900	-80400	-1350
WTR YR 1997	-	-	-142000	-196

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, 1,113,400 acre-ft, Mar. 3, elevation, 478.17 ft; minimum, 955,700 acre-ft, Dec. 27, elevation, 472.28 ft.

MONTHEND ELEVATION AND CONTENTS AT 2400, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

Date	Elevation (feet)	Contents (acre-feet)	Change in contents (acre-feet)	Change in contents (equivalent in cubic feet per second)
Sept. 30.....	474.27	1006900	-	-
Oct. 31.....	474.50	1013000	+6100	+99
Nov. 30.....	474.79	1020700	+7700	+129
Dec. 31.....	472.73	967100	-53600	-872
CAL YR 1996	-	-	-34800	-48
Jan. 31.....	474.46	1011900	+44800	+729
Feb. 28.....	476.36	1063000	+51100	+920
Mar. 31.....	474.42	1010900	-52100	-847
Apr. 30.....	474.25	1006400	-4500	-76
May 31.....	475.51	1039900	+33500	+545
June 30.....	475.15	1030200	-9700	-163
July 31.....	474.23	1005900	-24300	-395
Aug. 31.....	474.58	1015100	-9200	+150
Sept. 30.....	473.91	997500	-17600	-296
WTR YR 1997	-	-	-9400	-13

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 Kiokee 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, 2,666,800 acre-ft, Apr. 1, elevation, 332.01 ft; minimum, 2,098,800 acre-ft, Oct. 28, elevation, 323.98 ft.

MONTHEND ELEVATION AND CONTENTS AT 2400, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

Date	Elevation (feet)	Contents (acre-feet)	Change in contents (acre-feet)	Change in contents (equivalent in cubic feet per second)
Sept. 30.....	326.11	2237700	-	-
Oct. 31.....	324.31	2118600	-119100	-1938
Nov. 30.....	325.60	2202000	+83400	+1400
Dec. 31.....	329.04	2442800	+240800	+3917
CAL YR 1996	-	-	+89600	+124
Jan. 31.....	328.93	2435100	-7700	-123
Feb. 28.....	329.77	2493900	+58800	+1058
Mar. 31.....	331.84	2653500	+159600	+2595
Apr. 30.....	331.28	2609800	-43700	-733
May 31.....	330.89	2579400	-30400	-497
June 30.....	330.58	2555200	-24200	-405
July 31.....	330.26	2530300	-24900	-407
Aug. 31.....	326.32	2252400	-277900	-4518
Sept. 30.....	326.45	2261500	+9100	+154
WTR YR 1997	-	-	+23800	+33

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 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 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 22...	0740	81341	8.6	117	114	7.0	7.0	7.0	7.0	10.4	86
FEB 18...	0630	81341	33	74	70	6.9	6.8	7.0	-1.0	11.4	94
MAR 18...	0600	81341	7.9	130	119	7.0	7.4	13.0	12.0	9.6	92
APR 15...	0520	81341	3.9	187	174	7.3	7.4	11.0	5.0	9.4	86
MAY 20...	0500	81341	3.0	--	153	7.3	7.5	19.5	20.0	8.6	--
JUN 17...	0500	81341	5.5	159	148	7.2	7.5	21.0	20.0	8.4	96
JUL 22...	0500	81341	1.4	237	222	7.3	7.7	24.0	22.0	7.5	91
AUG 19...	0500	81341	.90	249	242	7.3	7.5	23.0	21.0	7.6	90
SEP 16...	0500	81341	.40	238	231	7.3	7.4	19.0	16.0	8.7	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)
JAN 22...	81341	14	1.0	--	29	--	.160	.070	.090	3.0
FEB 18...	81341	34	1.0	16	20	58	.110	.090	.100	4.0
MAR 18...	81341	9.0	<1.0	--	38	67	.080	<.030	.080	3.0
APR 15...	81341	7.0	1.0	--	46	43	.040	<.030	.060	2.0
MAY 20...	81341	7.0	<1.0	34	42	11	.110	.050	.070	2.0
JUN 17...	81341	17	<1.0	24	40	24	.150	.140	.190	6.0
JUL 22...	81341	15	1.4	52	71	17	.490	.640	.360	6.0
AUG 19...	81341	4.0	<1.0	38	56	5	.100	.050	.110	3.0
SEP 16...	81341	3.0	<1.0	34	56	4	.110	<.030	.090	3.0

OGEECHEE RIVER BASIN

02199660 NORTH FORK OGEECHEE RIVER NEAR CRAWFORDVILLE, 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)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
JAN				
22...	0740	81341	8.6	490
FEB				
18...	0630	81341	33	1100
MAR				
18...	0600	81341	7.9	490
APR				
15...	0520	81341	3.9	1300
MAY				
20...	0500	81341	3.0	110
JUN				
17...	0500	81341	5.5	17000
JUL				
22...	0500	81341	1.4	24000
AUG				
19...	0500	81341	.90	1100
SEP				
16...	0500	81341	.40	220
22...	0500	81213	.50	700
29...	0500	81213	13	5400

DATE	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									
05...	0900	81213	3.0	184	7.5	22.5	30.0	7.0	82

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								
05...	81213	8.9	3.1	<1.0	<2.0	<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							
05...	81213	1.3	<2.0	<0.1	<1.0	<2.0	2.2

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 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 1996 TO SEPTEMBER 1997

DATE	TIME	AGENCY ANALYZING 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)
JAN 22...	0815	81341	84	89	87	7.1	6.9	7.0	8.0	9.7	81
FEB 18...	0650	81341	202	64	62	6.9	6.8	6.0	-1.0	11.9	95
MAR 18...	0630	81341	74	96	93	7.3	7.0	13.0	12.0	9.3	89
APR 15...	0555	81341	39	122	114	7.3	7.3	11.5	6.0	9.2	85
MAY 20...	0530	81341	29	--	107	7.3	7.4	20.0	20.0	8.0	--
JUN 17...	0530	81341	41	109	105	7.3	7.3	21.0	20.0	7.8	89
JUL 22...	0530	81341	13	125	120	7.2	7.8	25.0	22.0	7.4	91
AUG 19...	0530	81341	9.9	134	132	7.3	7.3	24.0	21.0	7.6	92
SEP 16...	0530	81341	6.6	137	135	7.3	7.3	20.0	16.0	7.9	88

DATE	AGENCY ANALYZING SAMPLE (CODE NUMBER)	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	HARD- NESS TOTAL (MG/L AS CACO3)	ANC WATER UNFLTRD FET LAB MG/L AS CACO3	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDE (MG/L)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
JAN 22...	81341	13	<1.0	--	26	--	.140	<.030	.060	3.0
FEB 18...	81341	33	<1.0	16	19	44	.140	.040	.070	3.0
MAR 18...	81341	8.0	<1.0	--	36	23	.040	<.030	.050	3.0
APR 15...	81341	6.0	1.1	--	40	7	.040	<.030	.040	2.0
MAY 20...	81341	13	<1.0	34	41	14	.110	<.030	.050	2.0
JUN 17...	81341	24	<1.0	24	35	24	.140	.070	.120	5.0
JUL 22...	81341	33	<1.0	38	50	59	.180	.030	.140	4.0
AUG 19...	81341	22	1.1	34	48	47	.130	<.030	.100	4.0
SEP 16...	81341	16	<1.0	34	52	34	.040	<.030	.070	3.0

OGEECHEE RIVER BASIN

02199750 OGEECHEE RIVER NEAR POWELTON, 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)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
JAN 22...	0815	81341	84	230
FEB 18...	0650	81341	202	490
MAR 18...	0630	81341	74	330
APR 15...	0555	81341	39	330
MAY 20...	0530	81341	29	560
JUN 17...	0530	81341	41	4900
JUL 22...	0530	81341	13	4900
AUG 19...	0530	81341	9.9	1300
SEP 16...	0530	81341	6.6	230
22...	0530	81213	5.5	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)
AUG 05...	1005	81213	32	127	7.4	23.5	30.0	6.5	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 05...	81213	7.9	3.1	<1.0	<2.0	<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)
AUG 05...	81213	6.4	<2.0	<0.1	<1.0	<2.0	3.7

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 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 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 22...	1015	81341	45	64	66	7.0	7.0	9.0	13.0	9.7	84
FEB 18...	0800	81341	285	48	47	6.9	6.8	7.0	-1.0	11.9	98
MAR 18...	0745	81341	39	71	68	7.2	7.1	13.0	12.0	9.2	88
APR 15...	0650	81341	14	85	82	7.2	7.2	12.0	6.0	10.1	94
MAY 20...	0630	81341	7.8	--	84	7.2	7.3	21.0	21.0	8.0	--
JUN 17...	0630	81341	12	101	99	7.3	7.4	22.0	20.0	7.8	91
JUL 22...	0630	81341	3.0	88	83	7.1	7.3	26.0	23.0	7.1	89
AUG 19...	0630	81341	4.2	94	93	7.3	7.4	25.0	22.0	7.3	90
SEP 16...	0630	81341	2.4	87	87	7.3	7.2	21.0	17.0	8.0	91

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)
JAN 22...	81341	12	1.1	--	20	--	.120	<.030	.040	3.0
FEB 18...	81341	33	<1.0	8	12	32	.120	<.030	.050	4.0
MAR 18...	81341	6.0	<1.0	--	25	8	.050	<.030	.030	4.0
APR 15...	81341	4.0	1.1	--	29	1	.060	<.030	.020	3.0
MAY 20...	81341	6.0	<1.0	26	33	4	.090	<.030	.020	2.0
JUN 17...	81341	19	<1.0	20	31	10	.210	.040	.060	4.0
JUL 22...	81341	13	<1.0	22	28	2	.350	<.030	.060	6.0
AUG 19...	81341	3.0	<1.0	20	36	1	.040	<.030	.020	3.0
SEP 16...	81341	2.0	<1.0	20	30	--	.050	<.030	<.020	3.0

OGEECHEE RIVER BASIN

02200020 OGEECHEE RIVER NEAR JEWELL, 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)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
JAN				
22...	1015	81341	45	460
FEB				
18...	0800	81341	285	630
MAR				
18...	0745	81341	39	80
APR				
15...	0650	81341	14	70
MAY				
20...	0630	81341	7.8	<20
JUN				
17...	0630	81341	12	330
JUL				
22...	0630	81341	3.0	330
AUG				
19...	0630	81341	4.2	230
SEP				
16...	0630	81341	2.4	70
22...	0630	81213	1.5	110
29...	0600	81213	105	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)
AUG									
05...	1215	81213	11	85	7.5	26.5	37.0	7.8	98

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								
05...	81213	5.5	2.3	<1.0	<2.0	<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							
05...	81213	1.8	<2.0	<0.1	<1.0	<2.0	11

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 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 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 22...	0945	81341	14	48	48	7.0	6.5	9.0	13.0	9.9	86
FEB 18...	0730	81341	42	42	40	7.0	6.5	7.0	-1.0	11.9	98
MAR 18...	0715	81341	15	47	45	7.0	6.8	13.0	11.0	9.5	91
APR 15...	0630	81341	46	61	57	7.2	6.9	12.0	6.0	10.2	95
MAY 20...	0600	81341	E0.8	--	64	7.1	7.0	20.0	20.5	8.0	--
JUN 17...	0600	81341	1.3	75	73	7.2	7.4	22.0	20.0	7.7	89
JUL 22...	0600	81341	2.0	66	64	7.1	7.4	25.0	23.0	7.2	89
AUG 19...	0600	81341	2.0	76	74	7.1	7.1	23.0	22.0	7.5	89
SEP 16...	0600	81341	E0.2	81	87	7.0	6.9	20.0	17.0	8.0	90

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)
JAN 22...	81341	7.0	<1.0	--	12	--	.070	<.030	<.020	4.0
FEB 18...	81341	16	<1.0	8	7	15	.280	.040	<.020	5.0
MAR 18...	81341	5.0	<1.0	--	16	17	.060	.040	.030	6.0
APR 15...	81341	5.0	1.0	--	21	3	.050	<.030	.020	5.0
MAY 20...	81341	6.0	<1.0	16	23	3	.180	.040	<.020	4.0
JUN 17...	81341	8.0	<1.0	26	31	6	.110	.040	.030	6.0
JUL 22...	81341	6.0	<1.0	18	25	2	.260	<.030	.030	7.0
AUG 19...	81341	6.0	<1.0	32	29	14	.120	<.030	<.020	6.0
SEP 16...	81341	1.0	<1.0	22	32	--	<.020	<.030	<.020	5.0

OGEECHEE RIVER BASIN

02200085 LITTLE OGEECHEE RIVER NEAR CULVERTON, 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)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
JAN				
22...	0945	81341	14	110
FEB				
18...	0730	81341	42	330
MAR				
18...	0715	81341	15	130
APR				
15...	0630	81341	46	130
MAY				
20...	0600	81341	E0.8	170
JUN				
17...	0600	81341	1.3	330
JUL				
22...	0600	81341	2.0	210
AUG				
19...	0600	81341	2.0	110
SEP				
16...	0600	81341	E0.2	20
22...	0600	81213	E0.1	170
29...	0530	81213	36	790

DATE	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									
05...	1120	81213	5.7	70	7.2	25.0	32.0	6.7	82

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								
05...	81213	5.0	1.8	<1.0	<2.0	<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							
05...	81213	1.3	<2.0	<0.1	<1.0	<2.0	4.1

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 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 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 23...	0815	81341	440	51	51	6.9	6.4	10.0	12.0	9.4	84
FEB 19...	0700	81341	1580	43	37	6.3	6.4	9.0	4.0	10.7	92
MAR 19...	0545	81341	395	58	54	6.8	6.8	16.5	15.5	9.1	94
APR 16...	0530	81341	152	70	65	7.2	7.1	13.5	5.0	10.1	97
MAY 21...	0500	81341	68	77	71	6.8	6.9	21.0	19.0	8.1	91
JUN 18...	0500	81341	120	73	70	7.1	7.2	23.0	21.0	8.0	94
JUL 23...	0500	81341	43	69	64	6.9	6.9	26.0	24.0	7.2	90
AUG 20...	0500	81341	81	71	67	6.8	6.9	25.0	23.0	7.5	92
SEP 17...	0500	81341	28	95	80	7.1	7.4	22.5	20.0	8.2	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- 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 23...	81341	12	<1.0	--	12	--	.070	<.030	.030	4.0
FEB 19...	81341	28	1.3	8	8	8	.050	<.030	.040	8.0
MAR 19...	81341	5.0	<1.0	--	22	3	.050	<.030	.040	6.0
APR 16...	81341	5.0	<1.0	--	21	4	.070	.060	.030	4.0
MAY 21...	81341	7.0	<1.0	18	27	5	.130	.050	.030	4.0
JUN 18...	81341	19	<1.0	22	24	6	.240	.040	.050	5.0
JUL 23...	81341	9.0	<1.0	20	21	5	.140	<.030	.040	6.0
AUG 20...	81341	8.0	<1.0	18	25	3	.080	<.030	.040	6.0
SEP 17...	81341	4.0	<1.0	16	30	1	.100	<.030	.030	3.0

OGEECHEE RIVER BASIN

02200120 OGEECHEE RIVER NEAR GRANGE, 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)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
JAN 23...	0815	81341	440	330
FEB 19...	0700	81341	1580	330
MAR 19...	0545	81341	395	20
APR 16...	0530	81341	152	130
MAY 21...	0500	81341	68	110
JUN 18...	0500	81341	120	80
JUL 23...	0500	81341	43	70
AUG 20...	0500	81341	81	170
SEP 17...	0500	81341	28	110
23...	0500	81213	21	130
30...	0500	81213	1170	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)
AUG 05...	1450	81213	123	70	7.1	25.5	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 05...	81213	5.3	2.0	<1.0	<2.0	<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 05...	81213	1.3	<2.0	<0.1	<1.0	<2.0	5.7

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 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 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 22...	1100	81341	107	39	40	6.5	6.6	10.0	19.0	9.5	84
FEB 18...	0830	81341	450	40	39	6.4	6.4	7.0	0.0	11.9	98
MAR 18...	0815	81341	90	39	37	6.7	6.6	13.0	13.0	9.6	91
APR 15...	0730	81341	13	38	36	6.8	6.5	12.0	7.0	10.6	99
MAY 20...	0700	81341	E1.9	--	39	6.7	6.5	21.0	22.5	7.9	--
JUN 17...	0700	81341	E1.4	38	37	6.7	6.8	22.0	22.0	7.7	89
JUL 22...	0700	81341	E.40	44	42	6.7	6.6	25.0	26.0	7.8	95
AUG 19...	0700	81341	E1.2	43	42	6.6	6.6	23.5	23.0	8.0	96
SEP 16...	0700	81341	E.90	36	35	6.7	6.3	21.0	20.0	7.9	90

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER)	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)
JAN 22...	81341	7.0	1.2	--	7	--	.180	<.030	.030	5.0
FEB 18...	81341	18	1.2	8	5	12	.160	<.030	.040	7.0
MAR 18...	81341	5.0	1.0	--	9	8	.090	<.030	.040	7.0
APR 15...	81341	6.0	1.1	--	7	9	.130	.040	.040	6.0
MAY 20...	81341	11	<1.0	16	8	14	.200	.060	.050	6.0
JUN 17...	81341	8.0	<1.0	10	11	10	.180	.050	.060	6.0
JUL 22...	81341	8.0	<1.0	10	11	11	.190	<.030	.060	7.0
AUG 19...	81341	6.0	<1.0	10	12	4	.100	<.030	.050	7.0
SEP 16...	81341	6.0	<1.0	8	6	6	.040	<.030	.040	5.0

OGEECHEE RIVER BASIN

02200395 ROCKY COMFORT CREEK NEAR EDGEHILL, 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)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
JAN 22...	1100	81341	107	490
FEB 18...	0830	81341	450	1200
MAR 18...	0815	81341	90	130
APR 15...	0730	81341	13	3300
MAY 20...	0700	81341	E1.9	330
JUN 17...	0700	81341	E1.4	230
JUL 22...	0700	81341	E.40	170
AUG 19...	0700	81341	E1.2	460
SEP 16...	0700	81341	E.90	80
22...	0700	81213	E.20	490
29...	0630	81213	300	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)
AUG 05...	1315	81213	E4.0	50	6.9	25.0	37.0	6.3	77

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 05...	81213	2.8	1.5	<1.0	<2.0	<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 05...	81213	<1.0	<2.0	<0.1	<1.0	<2.0	9.7

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 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 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 23...	1115	81341	485	41	41	6.6	6.3	12.0	18.0	8.9	83
FEB 19...	0920	81341	1070	37	37	6.6	6.2	11.0	12.0	10.6	96
MAR 19...	0830	81341	470	42	41	6.6	6.6	17.0	18.0	8.5	88
APR 16...	0745	81341	225	42	41	6.7	6.7	14.0	8.0	9.6	93
MAY 21...	0750	81341	138	44	42	6.8	6.7	21.0	20.0	8.6	97
JUN 18...	0800	81341	143	42	41	6.8	6.7	24.0	23.5	8.0	96
JUL 23...	0800	81341	102	44	43	6.8	6.6	26.0	26.0	7.1	88
AUG 20...	0800	81341	145	50	49	6.8	6.6	25.0	25.0	7.3	89
SEP 17...	0800	81341	94	43	43	7.0	6.8	23.0	22.0	8.2	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)
JAN 23...	81341	6.0	<1.0	--	6	--	.370	<.030	.020	5.0
FEB 19...	81341	15	1.7	6	5	7	.190	<.030	.040	8.0
MAR 19...	81341	5.0	1.0	--	13	5	.170	<.030	.040	8.0
APR 16...	81341	8.0	1.1	--	8	7	.350	.040	.040	6.0
MAY 21...	81341	8.0	<1.0	14	12	10	.470	.050	.050	4.0
JUN 18...	81341	8.0	<1.0	14	11	9	.360	.040	.050	5.0
JUL 23...	81341	7.0	<1.0	12	10	5	.280	<.030	.050	5.0
AUG 20...	81341	6.0	<1.0	12	15	6	.260	<.030	.040	5.0
SEP 17...	81341	4.0	<1.0	10	10	2	.220	<.030	.040	4.0

OGEECHEE RIVER BASIN

02200439 ROCKY COMFORT CREEK AT LOUISVILLE, 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)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)			
		JAN 23...	1115	81341	485	130			
		FEB 19...	0920	81341	1070	790			
		MAR 19...	0830	81341	470	50			
		APR 16...	0745	81341	225	80			
		MAY 21...	0750	81341	138	<20			
		JUN 18...	0800	81341	143	20			
		JUL 23...	0800	81341	102	20			
		AUG 20...	0800	81341	145	80			
		SEP 17...	0800	81341	94	20			
		23...	0800	81213	89	40			
		30...	0800	81213	970	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)
SEP 11...	1525	81213	102	46	6.9	22.0	33.0	7.2	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)	
SEP 11...	81213	3.7	1.0	<1.0	<2.0	<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 11...	81213	1.1	<2.0	<0.1	<1.0	<2.0	4.5		

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 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 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 23...	1045	81341	93	47	47	6.5	6.6	13.0	18.0	7.7	73
FEB 19...	0900	81341	150	41	39	6.6	6.6	11.0	10.0	10.3	93
MAR 19...	0800	81341	113	51	48	6.7	6.7	17.0	18.0	7.1	74
APR 16...	0720	81341	110	67	62	6.7	6.6	13.0	8.0	9.7	92
MAY 21...	0720	81341	5.6	53	49	7.1	6.9	22.0	20.0	8.4	97
JUN 18...	0730	81341	23	54	53	7.0	7.0	23.5	23.5	8.1	96
JUL 23...	0740	81341	2.1	56	54	7.0	7.0	26.0	26.0	7.2	89
AUG 20...	0745	81341	8.0	55	54	7.0	7.0	25.0	25.0	7.4	90
SEP 17...	0730	81341	E1.4	56	55	7.1	7.2	22.0	22.0	8.4	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)
JAN 23...	81341	6.0	<1.0	--	6	--	.440	<.030	.030	3.0
FEB 19...	81341	9.0	1.5	12	9	5	.210	<.030	.020	6.0
MAR 19...	81341	7.0	1.1	--	20	4	.140	.110	.060	10
APR 16...	81341	26	1.9	--	11	13	.170	.180	.160	8.0
MAY 21...	81341	9.0	<1.0	22	17	13	.320	.040	.050	3.0
JUN 18...	81341	10	<1.0	22	19	13	.230	.040	.080	5.0
JUL 23...	81341	7.0	<1.0	18	18	6	.240	<.030	.040	4.0
AUG 20...	81341	9.0	<1.0	18	20	9	.150	<.030	.050	4.0
SEP 17...	81341	4.0	<1.0	20	20	1	.180	<.030	.030	2.0

OGEECHEE RIVER BASIN

02200900 BIG CREEK NEAR LOUISVILLE, 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)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
JAN				
23...	1045	81341	93	170
FEB				
19...	0900	81341	150	210
MAR				
19...	0800	81341	113	130
APR				
16...	0720	81341	110	490
MAY				
21...	0720	81341	5.6	50
JUN				
18...	0730	81341	23	360
JUL				
23...	0740	81341	2.1	130
AUG				
20...	0745	81341	8.0	140
SEP				
17...	0730	81341	E1.4	170
23...	0730	81213	E1.5	80
30...	0730	81213	135	110

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 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 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 23...	0925	81341	1500	47	47	6.8	6.5	10.0	12.0	9.2	82
FEB 19...	0815	81341	4600	39	38	6.4	6.3	10.0	6.0	10.8	95
MAR 19...	0700	81341	1240	55	53	6.8	6.7	16.0	17.0	9.1	93
APR 16...	0640	81341	840	55	54	6.9	7.0	14.0	6.0	9.8	95
MAY 21...	0630	81341	194	69	66	7.0	7.1	21.0	19.0	8.7	98
JUN 18...	0630	81341	280	67	65	7.1	7.0	24.0	22.0	7.7	92
JUL 23...	0645	81341	132	69	67	7.0	6.9	26.0	24.0	7.1	88
AUG 20...	0640	81341	272	66	65	7.1	6.8	25.0	23.0	7.1	87
SEP 17...	0630	81341	91	79	80	7.2	7.2	23.0	20.0	7.9	93

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)
JAN 23...	81341	--	13	<1.0	13	.140	<.030	.030	5.0
FEB 19...	81341	110	23	1.9	7	.050	<.030	.050	9.0
MAR 19...	81341	80	6.0	1.0	20	.110	.030	.050	8.0
APR 16...	81341	100	14	1.7	23	.150	<.030	.100	7.0
MAY 21...	81341	60	8.0	<1.0	21	.360	<.030	.050	4.0
JUN 18...	81341	55	7.0	<1.0	19	.280	.040	.060	5.0
JUL 23...	81341	60	8.0	<1.0	19	.200	<.030	.060	6.0
AUG 20...	81341	70	8.0	<1.0	19	.180	<.030	.060	6.0
SEP 17...	81341	40	4.0	<1.0	22	.220	<.030	.050	3.0

OGEECHEE RIVER BASIN

02200950 OGEECHEE RIVER NEAR WADLEY, 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)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
JAN				
23...	0925	81341	1500	20
FEB				
19...	0815	81341	4600	640
MAR				
19...	0700	81341	1240	70
APR				
16...	0640	81341	840	790
MAY				
21...	0630	81341	194	110
JUN				
18...	0630	81341	280	40
JUL				
23...	0645	81341	132	130
AUG				
20...	0640	81341	272	50
SEP				
17...	0630	81341	91	170
23...	0630	81213	59	170
30...	0630	81213	1830	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)
SEP									
11...	1240	81213	176	71	7.0	22.5	30.5	6.8	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)
SEP								
11...	81213	6.3	1.0	<1.0	<2.0	<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							
11...	81213	<1.0	<2.0	<0.1	<1.0	<2.0	7.3

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. Elevation 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, except those for periods of estimated daily discharge, which are fair. 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)
Oct. 1	2130	*1,000	*8.13	Feb. 15	2100	982	8.09
Jan. 10	1230	767	7.67	Feb. 23	0300	748	7.63

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	553	62	130	75	117	161	82	90	38	39	111	e21
2	557	64	266	84	109	152	72	77	36	48	62	e21
3	212	68	168	85	103	143	68	78	36	39	43	e20
4	165	66	108	75	100	134	66	95	36	32	35	e19
5	131	64	105	96	98	126	64	74	34	28	29	e19
6	96	63	94	136	93	123	62	63	35	27	26	e18
7	93	64	91	132	90	113	62	55	36	27	24	e18
8	247	82	109	146	107	106	59	51	37	27	23	e18
9	289	78	91	312	120	96	57	49	38	37	22	e17
10	204	58	79	687	105	96	53	69	34	38	22	e17
11	156	79	75	375	101	99	53	64	31	31	25	e20
12	126	71	75	201	93	98	62	53	31	29	27	e20
13	99	67	102	151	112	100	65	51	38	28	23	e19
14	85	65	105	132	306	185	58	47	36	26	21	e19
15	79	65	86	121	768	174	54	44	38	26	21	e18
16	73	63	77	222	661	122	51	42	37	26	21	e18
17	70	62	77	322	317	101	49	39	37	41	22	e17
18	68	64	85	193	218	95	46	38	46	55	24	17
19	66	77	128	150	183	99	44	38	54	35	50	17
20	63	85	114	138	163	99	44	37	46	29	38	17
21	68	82	88	127	160	94	45	38	48	26	37	17
22	64	120	79	119	474	92	45	37	41	25	34	19
23	60	103	76	120	598	85	94	35	36	28	26	18
24	60	80	76	122	302	80	98	35	38	28	22	18
25	58	73	80	153	219	77	66	37	38	32	21	44
26	59	81	77	141	200	98	59	41	30	32	e20	264
27	59	81	74	114	188	106	78	43	33	29	e20	415
28	61	74	74	112	173	90	190	55	143	68	e19	330
29	63	69	77	118	---	103	199	42	79	71	e19	144
30	63	68	77	143	---	92	119	43	43	38	e18	84
31	63	---	73	140	---	87	---	41	---	91	e18	---
TOTAL	4110	2198	3016	5242	6278	3426	2164	1601	1283	1136	923	1723
MEAN	133	73.3	97.3	169	224	111	72.1	51.6	42.8	36.6	29.8	57.4
MAX	557	120	266	687	768	185	199	95	143	91	111	415
MIN	58	58	73	75	90	77	44	35	30	25	18	17
CFSM	1.22	.67	.89	1.55	2.06	1.01	.66	.47	.39	.34	.27	.53
IN.	1.40	.75	1.03	1.79	2.14	1.17	.74	.55	.44	.39	.32	.59

e Estimated

OGEECHEE RIVER BASIN

02201000 WILLIAMSON SWAMP CREEK AT DAVISBORO, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1980 - 1997, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	72.5	86.6	108	170	185	188	126	66.9	53.2	52.7	61.8	50.2
MAX	195	229	182	386	387	355	285	154	109	187	215	159
(WY)	1995	1993	1984	1987	1995	1993	1983	1991	1995	1994	1992	1992
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 1996 CALENDAR YEAR		FOR 1997 WATER YEAR		WATER YEARS 1980 - 1997	
ANNUAL TOTAL	40373		33100		102	
ANNUAL MEAN	110		90.7		163	
HIGHEST ANNUAL MEAN					49.3	
LOWEST ANNUAL MEAN					2400	
HIGHEST DAILY MEAN	593	Mar 18	768	Feb 15	Feb 19 1995	
LOWEST DAILY MEAN	27	Jul 2	17	a	10	
ANNUAL SEVEN-DAY MINIMUM	31	Jun 28	17	Sep 15	12	
INSTANTANEOUS PEAK FLOW			1000	Oct 1	3440	
INSTANTANEOUS PEAK STAGE			8.13	Oct 1	11.14	
INSTANTANEOUS LOW FLOW			16	Sep 22	9.5	
ANNUAL RUNOFF (CFSM)	1.01		.83		.93	
ANNUAL RUNOFF (INCHES)	13.78		11.30		12.67	
10 PERCENT EXCEEDS	208		164		208	
50 PERCENT EXCEEDS	83		68		62	
90 PERCENT EXCEEDS	39		22		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 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 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 23...	0840	81341	119	47	47	6.8	6.6	11.0	12.0	9.6	87
FEB 19...	0720	81341	190	42	41	6.6	6.6	9.0	4.0	10.9	94
MAR 19...	0600	81341	98	52	50	6.9	6.9	17.0	15.5	9.0	93
APR 16...	0550	81341	52	57	55	7.0	6.9	13.5	5.0	10.1	97
MAY 21...	0515	81341	36	59	56	7.2	7.1	21.0	19.0	8.6	97
JUN 18...	0530	81341	45	56	54	7.2	7.0	23.0	21.0	8.0	94
JUL 23...	0540	81341	27	61	60	7.1	6.9	25.0	24.0	7.3	89
AUG 20...	0545	81341	39	56	56	7.2	6.9	26.0	23.0	7.0	87
SEP 17...	0530	81341	16	65	64	7.3	7.3	22.0	20.0	8.5	98

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER)	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)
JAN 23...	81341	--	7.0	<1.0	7	.260	<.030	.020	4.0
FEB 19...	81341	75	13	1.3	10	.220	<.030	.030	5.0
MAR 19...	81341	70	6.0	<1.0	18	.210	<.030	.050	6.0
APR 16...	81341	50	6.0	<1.0	19	.260	.060	.050	4.0
MAY 21...	81341	50	5.0	<1.0	21	.270	.040	.030	4.0
JUN 18...	81341	40	7.0	<1.0	20	.200	.030	.040	4.0
JUL 23...	81341	40	6.0	<1.0	20	.280	<.030	.040	4.0
AUG 20...	81341	40	6.0	<1.0	22	.120	<.030	.020	4.0
SEP 17...	81341	20	4.0	<1.0	27	.220	<.030	.020	3.0

OGEECHEE RIVER BASIN

02201000 WILLIAMSON SWAMP CREEK AT DAVISBORO, 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)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
JAN 23...	0840	81341	119	150
FEB 19...	0720	81341	190	330
MAR 19...	0600	81341	98	200
APR 16...	0550	81341	52	230
MAY 21...	0515	81341	36	220
JUN 18...	0530	81341	45	700
JUL 23...	0540	81341	27	490
AUG 20...	0545	81341	39	460
SEP 17...	0530	81341	16	1300
23...	0530	81213	19	700
30...	0530	81213	94	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)
AUG 05...	1540	81213	29	60	7.2	25.5	41.0	7.3	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 05...	81213	8.1	.80	<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 05...	81213	1.9	<2.0	<.1	<1.0	<2.0	2.6

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 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 1996 TO SEPTEMBER 1997

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)
JAN 23...	0950	81341	9.70	57	57	6.7	6.6	12.0	14.0	9.3	86
FEB 19...	0750	81341	12.51	45	43	6.6	6.6	10.0	6.0	10.8	96
MAR 19...	0640	81341	9.59	64	61	6.9	6.9	17.0	17.0	9.0	94
APR 16...	0620	81341	7.63	67	64	7.1	6.9	12.0	5.0	10.0	93
MAY 21...	0600	81341	6.46	68	62	7.1	7.1	21.0	19.0	8.6	97
JUN 18...	0600	81341	6.79	82	78	7.1	7.3	23.0	22.0	8.0	94
JUL 23...	0610	81341	5.93	73	67	7.2	7.0	25.5	24.0	7.1	88
AUG 20...	0600	81341	6.76	82	81	7.1	7.1	25.0	23.0	7.1	87
SEP 17...	0600	81341	5.86	77	76	7.2	7.3	22.0	20.0	8.3	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)
JAN 23...	81341	7.0	<1.0	--	7	--	.200	<.030	.030	5.0
FEB 19...	81341	20	1.5	12	10	5	.190	<.030	.040	7.0
MAR 19...	81341	7.0	<1.0	--	25	4	.140	.040	.050	7.0
APR 16...	81341	8.0	<1.0	--	22	6	.250	.030	.040	4.0
MAY 21...	81341	8.0	<1.0	24	25	10	.300	.050	.050	4.0
JUN 18...	81341	15	1.0	30	26	16	.500	.480	.090	6.0
JUL 23...	81341	11	<1.0	32	25	9	.240	.050	.060	5.0
AUG 20...	81341	9.0	<1.0	30	30	8	.190	.030	.060	4.0
SEP 17...	81341	7.0	<1.0	30	28	8	.140	<.030	.040	3.0

OGEECHEE RIVER BASIN

02201151 WILLIAMSON SWAMP CREEK AT WADLEY, GA.--Continued

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

		DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	GAGE HEIGHT (FEET) (00065)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)			
		JAN 23...	0950	81341	9.70	70			
		FEB 19...	0750	81341	12.51	130			
		MAR 19...	0640	81341	9.59	220			
		APR 16...	0620	81341	7.63	460			
		MAY 21...	0600	81341	6.46	460			
		JUN 18...	0600	81341	6.79	2300			
		JUL 23...	0610	81341	5.93	2300			
		AUG 20...	0600	81341	6.76	2300			
		SEP 17...	0600	81341	5.86	490			
		23...	0600	81213	5.77	7000			
		30...	0600	81213	11.68	340			
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 11...	1330	81213	91	7.1	22.5	33.0	6.8	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 11...		81213	12	1.0	<1.0	<2.0	<.500	<1.0	1.7
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)	
SEP 11...		81213	<1.0	<2.0	<.1	<1.0	<2.0	9.0	

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 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 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 23...	1015	81341	700	48	48	7.0	6.5	11.0	18.0	9.4	85
FEB 19...	0835	81341	2350	41	40	6.4	6.5	10.0	10.0	10.0	88
MAR 19...	0730	81341	650	57	55	6.8	7.0	16.0	17.0	9.0	92
APR 16...	0700	81341	380	62	60	7.0	7.1	14.0	6.0	9.7	94
MAY 21...	0700	81341	268	74	68	7.1	6.9	21.0	19.0	8.1	92
JUN 18...	0700	81341	240	68	66	7.1	7.2	24.0	23.0	7.5	90
JUL 23...	0715	81341	187	72	69	7.1	6.9	27.0	25.0	7.0	89
AUG 20...	0705	81341	188	66	64	7.0	6.8	26.0	24.0	7.1	88
SEP 17...	0700	81341	119	86	86	7.1	7.2	23.5	20.0	7.7	91

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)
JAN 23...	81341	12	<1.0	--	12	--	.130	<.030	.030	6.0
FEB 19...	81341	16	1.5	10	8	7	.100	<.030	.030	8.0
MAR 19...	81341	6.0	1.1	--	22	4	.100	.040	.050	8.0
APR 16...	81341	8.0	1.0	--	20	7	.220	.040	.050	5.0
MAY 21...	81341	7.0	<1.0	22	22	5	.340	.030	.050	4.0
JUN 18...	81341	6.0	<1.0	22	21	4	.290	.040	.060	5.0
JUL 23...	81341	7.0	<1.0	20	19	6	.200	<.030	.060	5.0
AUG 20...	81341	8.0	<1.0	18	19	5	.200	<.030	.050	6.0
SEP 17...	81341	5.0	<1.0	10	25	4	.220	<.030	.050	3.0

OGEECHEE RIVER BASIN

02201230 OGEECHEE RIVER AT MIDVILLE, 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)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
JAN 23...	1015	81341	700	230
FEB 19...	0835	81341	2350	790
MAR 19...	0730	81341	650	110
APR 16...	0700	81341	380	150
MAY 21...	0700	81341	268	20
JUN 18...	0700	81341	240	80
JUL 23...	0715	81341	187	20
AUG 20...	0705	81341	188	130
SEP 17...	0700	81341	119	50
23...	0700	81213	107	80
30...	0700	81213	645	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)
SEP 11...	1115	81213	137	86	7.0	23.5	26.0	6.9	82

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 11...	81213	7.4	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)
SEP 11...	81213	<1.0	<2.0	<.1	<1.0	<2.0	16

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 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 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...	0935	81341	240	130	126	7.3	7.2	11.0	6.0	7.8	71
FEB 11...	1450	81341	230	130	122	7.3	7.5	10.5	9.5	7.6	68
MAR 11...	1210	81341	310	123	118	7.2	6.9	19.0	24.0	5.7	61
APR 08...	1155	81341	110	--	144	7.3	7.5	18.0	19.0	5.2	--
MAY 13...	1215	81341	96	152	148	7.5	7.4	18.0	23.0	5.7	61
JUN 10...	1210	81341	68	185	175	7.6	7.6	19.0	26.5	5.5	60
JUL 08...	1230	81341	63	183	174	7.4	7.6	24.5	29.5	5.5	66
AUG 12...	1215	81341	69	174	174	7.6	--	24.0	32.0	4.1	49
SEP 09...	1125	81341	55	215	208	7.8	7.7	21.5	27.0	4.4	50

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)
JAN 28...	81341	4.0	<1.0	--	48	2	.120	<.030	.030	6.0
FEB 11...	81341	5.0	<1.0	50	50	1	.130	<.030	<.020	7.0
MAR 11...	81341	8.0	1.3	--	45	5	.190	<.030	.060	9.0
APR 08...	81341	9.0	1.1	--	55	8	1.31	.040	.040	5.0
MAY 13...	81341	8.0	1.0	70	61	11	.350	.030	.060	6.0
JUN 10...	81341	6.0	<1.0	84	79	5	.520	.030	.050	4.0
JUL 08...	81341	5.0	<1.0	80	86	4	.460	.040	.060	5.0
AUG 12...	81341	5.0	<1.0	94	78	5	.400	<.030	.050	5.0
SEP 09...	81341	1.0	<1.0	96	90	1	.720	<.030	--	3.0

OGEECHEE RIVER BASIN

02201430 BUCKHEAD CREEK AT MILLEN, 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)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
JAN				
28...	0935	81341	240	80
FEB				
11...	1450	81341	230	790
MAR				
11...	1210	81341	310	110
APR				
08...	1155	81341	110	230
MAY				
13...	1215	81341	96	170
JUN				
10...	1210	81341	68	790
JUL				
08...	1230	81341	63	700
AUG				
19...	1220	81213	67	330
25...	1130	81213	58	230
SEP				
09...	1125	81341	55	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)
JUL									
15...	1115	81213	59	203	7.8	24.0	34.5	5.2	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)
JUL								
15...	81213	35	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)
JUL							
15...	81213	<1.0	<2.0	<.1	<1.0	<2.0	2.5

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 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 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...	0840	81341	2350	60	57	6.6	6.6	10.5	6.0	8.1	73
FEB 11...	1350	81341	1980	68	64	7.1	7.0	10.0	13.0	8.5	75
MAR 11...	1320	81341	3400	64	62	6.8	6.6	18.5	24.0	6.6	71
APR 08...	1255	81341	1370	79	75	7.1	7.1	17.0	20.0	6.3	66
MAY 13...	1320	81341	1380	88	86	7.2	7.1	18.0	28.0	7.0	75
JUN 10...	1310	81341	740	182	170	7.6	7.7	20.0	29.0	6.7	74
JUL 08...	1325	81341	810	133	129	7.4	7.5	26.0	30.5	5.7	71
AUG 12...	1315	81341	780	170	153	7.6	--	23.0	32.0	5.4	63
SEP 09...	1215	81341	510	199	184	7.8	7.7	22.0	28.5	6.7	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)
JAN 28...	81341	9.0	1.1	20	14	6	.030	<.030	.040	7.0
FEB 11...	81341	5.0	<1.0	20	18	1	.030	<.030	<.020	7.0
MAR 11...	81341	7.0	1.1	--	19	3	.020	<.030	.050	11
APR 08...	81341	10	<1.0	--	13	7	.190	.050	.060	6.0
MAY 13...	81341	11	<1.0	32	29	6	.250	.050	.070	6.0
JUN 10...	81341	6.0	<1.0	100	75	5	.550	.080	.060	4.0
JUL 08...	81341	7.0	1.0	54	50	6	.020	.150	.110	21
AUG 12...	81341	5.0	<1.0	78	59	5	.460	.050	.070	5.0
SEP 09...	81341	3.0	<1.0	88	76	3	.650	<.030	.090	2.0

OGEECHEE RIVER BASIN

02201500 OGEECHEE RIVER NEAR MILLEN, 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)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
JAN				
28...	0840	81341	2350	80
FEB				
11...	1350	81341	1980	80
MAR				
11...	1320	81341	3400	130
APR				
08...	1255	81341	1370	50
MAY				
13...	1320	81341	1380	40
JUN				
10...	1310	81341	740	260
JUL				
08...	1325	81341	810	70
AUG				
19...	1300	81213	850	50
25...	1230	81213	710	170
SEP				
09...	1215	81341	510	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)
JUL									
15...	1215	81213	650	128	7.7	28.0	35.0	6.0	77

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								
15...	81213	18	1.5	<1.0	<2.0	<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							
15...	81213	1.5	<2.0	<0.1	<1.0	<2.0	7.2

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 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 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...	1035	81341	175	91	85	6.2	6.2	11.5	8.0	6.3	58
FEB 11...	1305	81341	190	74	69	6.5	6.4	9.5	10.5	7.6	67
MAR 11...	1415	81341	210	67	64	6.4	6.4	20.0	24.0	6.1	67
APR 08...	1430	81341	3.3	84	79	6.5	--	16.0	20.5	3.0	30
MAY 13...	1415	81341	4.8	77	77	6.5	6.6	19.0	26.5	4.1	45
JUN 10...	1405	81341	1.2	73	68	6.4	6.7	20.0	29.5	4.4	48
JUL 08...	1430	81341	E.30	102	95	6.6	6.7	25.0	31.5	1.0	12
AUG 12...	1415	81341	54	74	72	6.5	--	24.0	32.0	3.1	37
SEP 09...	1305	81341	E.00	106	92	6.5	6.4	20.5	29.5	.4	5

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)
JAN 28...	81341	3.0	1.7	28	10	<1	.020	<.030	.040	15
FEB 11...	81341	3.0	1.4	22	11	1	<.020	<.030	<.020	17
MAR 11...	81341	7.0	1.4	--	13	4	<.020	<.030	.090	18
APR 08...	81341	6.0	1.7	--	19	7	.060	.140	.130	19
MAY 13...	81341	4.0	1.1	30	20	17	.040	.060	.110	17
JUN 10...	81341	4.0	<1.0	32	17	4	.050	.040	.080	15
JUL 08...	81341	5.0	1.7	40	31	4	.490	.070	.090	6.0
AUG 12...	81341	3.0	<1.0	28	18	3	<.020	<.030	.070	17
SEP 09...	81341	11	2.1	34	32	13	<.020	.160	.260	16

OGEECHEE RIVER BASIN

02201848 SCULLS CREEK AT COUNTY ROAD 200, NEAR MILLEN, 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)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)			
		JAN 28...	1035	81341	175	50			
		FEB 11...	1305	81341	190	20			
		MAR 11...	1415	81341	210	170			
		APR 08...	1430	81341	3.3	270			
		MAY 13...	1415	81341	4.8	130			
		JUN 10...	1405	81341	1.2	170			
		JUL 08...	1430	81341	E0.3	490			
		AUG 19...	1400	81213	E0.7	170			
		25...	1315	81213	E0.3	70			
		SEP 09...	1305	81341	E0.0	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)
JUL 15...	1345	81213	<0.1	108	7.1	24.5	35.5	0.4	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)
JUL 15...	81213	10	3.0	<1.0	<2.0	<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 15...	81213	2.2	<2.0	<0.1	<1.0	<2.0	6.4

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 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 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...	1150	81341	98	64	61	6.2	6.2	11.0	24.0	9.5	86
FEB 11...	1135	81341	145	60	56	6.2	6.4	8.5	10.0	9.6	82
MAR 11...	1140	81341	150	53	50	6.4	6.2	18.5	26.0	7.2	78
APR 08...	1050	81341	7.8	66	63	6.4	6.8	16.5	18.0	4.7	48
MAY 13...	1105	81341	68	62	60	6.4	6.2	17.0	25.5	5.4	56
JUN 10...	1115	81341	1.3	78	74	6.6	6.8	20.0	28.5	5.2	57
JUL 08...	1135	81341	7.0	67	63	6.4	6.6	25.0	28.0	3.0	36
AUG 12...	1110	81341	68	57	53	6.3	--	23.0	30.0	4.9	57
SEP 09...	1030	81341	1.0	62	59	6.4	6.3	22.0	27.0	2.7	31

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)
JAN 28...	81341	6.0	1.7	20	4	1	<.020	<.030	.030	14
FEB 11...	81341	6.0	1.4	16	8	5	.020	.040	<.020	15
MAR 11...	81341	5.0	1.1	--	8	3	.020	<.030	.040	18
APR 08...	81341	7.0	1.1	--	16	8	.090	.100	.060	16
MAY 13...	81341	6.0	1.0	16	12	3	.070	.070	.050	15
JUN 10...	81341	6.0	<1.0	32	21	4	.100	<.030	.040	13
JUL 08...	81341	7.0	1.1	20	16	3	.070	.080	.070	19
AUG 12...	81341	6.0	1.0	16	8	4	.080	.070	.050	18
SEP 09...	81341	3.0	1.0	18	11	2	.080	<.030	.080	16

OGEECHEE RIVER BASIN

02202080 HORSE CREEK NEAR ROCKY FORD, 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)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
JAN				
28...	1150	81341	98	170
FEB				
11...	1135	81341	145	230
MAR				
11...	1140	81341	150	20
APR				
08...	1050	81341	7.8	20
MAY				
13...	1105	81341	68	230
JUN				
10...	1115	81341	1.3	100
JUL				
08...	1135	81341	7.0	50
AUG				
19...	1100	81213	460	330
25...	1035	81213	7.9	50
SEP				
09...	1030	81341	1.0	30

DATE	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									
15...	1445	81213	1.2	79	7.1	27.0	32.0	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)
JUL								
15...	81213	6.4	2.6	<1.0	<2.0	<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							
15...	81213	2.0	<2.0	<0.1	<1.0	<2.0	5.7

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 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 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...	1255	81341	54	74	70	6.1	5.9	11.5	21.0	9.1	84
FEB 11...	1055	81341	60	64	59	6.1	6.0	9.0	9.0	9.0	77
MAR 11...	1100	81341	55	54	52	6.1	5.9	18.0	23.0	6.5	69
APR 08...	1000	81341	26	58	56	6.1	6.4	16.0	17.0	4.7	48
MAY 13...	1010	81341	34	62	61	6.1	6.1	16.5	21.0	4.1	42
JUN 10...	1020	81341	39	57	54	6.2	6.5	18.0	25.0	5.2	55
JUL 08...	1035	81341	19	88	82	6.3	6.6	25.0	28.5	.7	8
AUG 12...	1020	81341	32	61	60	6.2	--	23.0	24.5	4.4	51
SEP 09...	1005	81341	9.6	103	98	6.6	6.5	21.0	22.0	.4	5

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)
JAN 28...	81341	2.0	1.5	22	4	<1	<.020	<.030	.030	17
FEB 11...	81341	3.0	1.2	22	6	2	.040	.060	<.020	17
MAR 11...	81341	4.0	1.1	--	5	5	.040	<.030	.060	21
APR 08...	81341	6.0	1.1	--	9	5	.110	.060	.080	20
MAY 13...	81341	5.0	1.0	16	10	4	.170	.120	.090	19
JUN 10...	81341	6.0	<1.0	20	9	5	.160	<.030	.070	17
JUL 08...	81341	5.0	1.8	22	16	5	.050	.110	.180	27
AUG 12...	81341	4.0	<1.0	16	7	4	.080	.040	.090	23
SEP 09...	81341	7.0	2.4	34	29	12	<.020	<.030	.130	19

OGEECHEE RIVER BASIN

02202128 NEVILLS CREEK NEAR ROCKY FORD, 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)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
JAN				
28...	1255	81341	50	140
FEB				
11...	1055	81341	60	250
MAR				
11...	1100	81341	55	210
APR				
08...	1000	81341	26	50
MAY				
13...	1010	81341	34	95
JUN				
10...	1020	81341	39	220
JUL				
08...	1035	81341	19	<20
AUG				
19...	1010	81213	30	130
25...	1000	81213	19	170
SEP				
09...	1005	81341	9.6	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)
JUL									
15...	1615	81213	17	103	6.9	26.5	32.0	0.4	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)
JUL								
15...	81213	6.6	3.6	<1.0	<2.0	<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							
15...	81213	2.9	<2.0	<0.1	<1.0	<2.0	12

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 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)
OCT 24...	1020	81341	680	92	91	7.2	6.8	15.0	17.0	8.2	81
NOV 05...	1200	81341	465	95	94	7.3	7.3	15.5	25.5	9.0	90
DEC 12...	0830	81341	1190	73	97	7.2	7.1	10.0	13.5	9.6	85
JAN 28...	1500	81341	2350	63	60	6.9	6.7	11.5	18.5	6.4	59
FEB 11...	0745	81341	1950	75	71	6.9	6.9	10.5	7.5	6.7	59
MAR 11...	0730	81341	2800	73	70	6.8	6.6	18.0	16.5	9.5	101
APR 08...	0800	81341	1140	85	85	7.0	7.1	17.5	12.5	5.5	57
MAY 13...	0815	81341	1110	85	83	7.0	7.0	18.5	17.5	5.1	55
JUN 10...	0800	81341	410	118	112	7.4	7.4	21.5	21.0	7.2	81
JUL 08...	0730	81341	590	98	94	7.3	7.3	27.0	24.0	4.7	59
AUG 12...	0750	81341	800	89	87	6.8	--	24.5	22.5	4.1	49
SEP 09...	0750	81341	195	158	152	7.6	7.5	25.0	19.0	5.4	66

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 24...	81341	30	6.0	<1.0	27	2	.130	<.030	.040	7.0
NOV 05...	81341	30	3.0	<1.0	35	1	.090	<.030	.030	4.0
DEC 12...	81341	20	6.0	1.1	19	9	.260	.030	.080	3.0
JAN 28...	81341	80	9.0	1.0	15	5	<.020	<.030	.040	8.0
FEB 11...	81341	95	6.0	1.0	20	5	<.020	<.030	<.020	9.0
MAR 11...	81341	100	6.0	<1.0	21	4	.030	<.030	.060	13
APR 08...	81341	110	11	<1.0	32	4	.190	.040	.080	8.0
MAY 13...	81341	90	10	<1.0	27	5	.160	<.030	.070	7.0
JUN 10...	81341	40	7.0	<1.0	44	7	.380	.040	.090	5.0
JUL 08...	81341	55	6.0	<1.0	34	4	.250	<.030	.070	7.0
AUG 12...	81341	--	5.0	<1.0	28	3	.210	.040	.080	11
SEP 09...	81341	25	3.0	<1.0	58	4	.210	<.030	.110	5.0

OGEECHEE RIVER BASIN

02202190 OGEECHEE RIVER NEAR OLIVER, 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)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
OCT				
24...	1020	81341	680	50
NOV				
05...	1200	81341	465	170
DEC				
12...	0830	81341	1190	20
JAN				
28...	1500	81341	2350	20
FEB				
11...	0745	81341	1950	210
MAR				
11...	0730	81341	2800	70
APR				
08...	0800	81341	1140	110
MAY				
13...	0815	81341	1110	20
JUN				
10...	0800	81341	410	80
JUL				
08...	0730	81341	590	70
AUG				
19...	0745	81213	490	70
25...	0715	81213	470	110
SEP				
09...	0750	81341	195	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)
JUL									
15...	0815	81213	295	142	7.7	28.0	27.0	5.4	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)
JUL								
15...	81213	13	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)
JUL							
15...	81213	<1.0	<2.0	<.1	<1.0	<2.0	4.3

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 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 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...	1415	81341	128	61	58	6.0	5.9	11.5	21.5	8.9	82
FEB 11...	0840	81341	228	55	51	5.7	5.9	8.5	5.5	8.6	73
MAR 11...	0935	81341	230	51	49	5.8	5.6	17.5	22.0	5.7	60
APR 23...	1115	81341	6.2	59	55	6.1	6.3	18.0	20.5	4.1	44
MAY 15...	1005	81341	12	55	52	6.2	6.2	18.0	24.0	5.5	58
JUN 10...	0950	81341	2.1	60	56	6.2	6.4	20.0	24.5	4.0	44
JUL 08...	0930	81341	4.3	55	52	6.1	6.2	25.0	27.0	2.7	33
AUG 12...	0935	81341	107	50	48	5.7	--	24.0	28.0	5.1	61
SEP 09...	0905	81341	.80	60	62	6.2	6.2	21.5	24.5	2.2	25

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)
JAN 28...	81341	3.0	1.4	16	4	1	<.020	<.030	.080	14
FEB 11...	81341	4.0	1.5	18	5	<1	<.020	<.030	<.020	19
MAR 11...	81341	4.0	1.2	--	5	2	<.020	.040	.040	23
APR 23...	81341	4.0	1.6	--	8	5	.090	.060	.090	17
MAY 15...	81341	3.0	1.1	10	8	2	.140	.050	.070	16
JUN 10...	81341	3.0	<1.0	20	11	4	.180	.040	.080	12
JUL 08...	81341	3.0	<1.0	18	8	3	.100	.070	.080	20
AUG 12...	81341	3.0	<1.0	18	5	6	.060	.040	.050	26
SEP 09...	81341	2.0	<1.0	18	10	8	.070	.030	.090	18

OGEECHEE RIVER BASIN

02202240 OGEECHEE CREEK AT OLIVER, 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)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
JAN				
28...	1415	81341	128	330
FEB				
11...	0840	81341	228	230
MAR				
11...	0935	81341	230	200
APR				
23...	1115	81341	6.2	460
MAY				
15...	1005	81341	12	20
JUN				
10...	0950	81341	2.1	130
JUL				
08...	0930	81341	4.3	250
AUG				
19...	0920	81213	96	80
25...	0910	81213	100	490
SEP				
09...	0905	81341	.80	310

DATE	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									
15...	0930	81213	19	54	6.4	24.0	29.0	4.2	50

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								
15...	81213	2.9	2.1	<1.0	<2.0	<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							
15...	81213	1.8	<2.0	<0.1	<1.0	<2.0	6.7

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 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 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...	1550	81341	90	70	67	6.3	6.3	12.0	23.0	9.2	85
FEB 11...	0935	81341	82	70	65	6.4	6.3	10.0	6.0	8.6	76
MAR 11...	0855	81341	95	61	58	6.3	6.2	18.5	21.0	9.9	106
APR 08...	0900	81341	35	66	64	6.4	6.7	17.5	12.5	6.1	63
MAY 13...	0905	81341	22	65	64	6.4	6.3	18.0	19.5	6.1	65
JUN 10...	0900	81341	31	64	61	6.4	6.5	20.0	22.0	6.9	75
JUL 08...	0845	81341	9.2	65	63	6.5	6.6	25.0	26.5	4.7	56
AUG 12...	0855	81341	29	65	62	6.3	--	24.0	25.0	4.6	54
SEP 09...	0835	81341	7.4	62	61	6.6	6.7	23.0	21.0	5.4	64

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)
JAN 28...	81341	3.0	1.4	20	6	2	.080	<.030	.090	15
FEB 11...	81341	3.0	1.4	22	5	<1	.070	<.030	.040	17
MAR 11...	81341	3.0	1.1	--	8	4	.060	<.030	.090	20
APR 08...	81341	3.0	1.2	--	12	2	.150	.040	.110	19
MAY 13...	81341	3.0	1.2	20	10	3	.190	<.030	.110	16
JUN 10...	81341	3.0	1.0	16	9	5	.080	<.030	.080	17
JUL 08...	81341	5.0	2.0	14	14	5	.120	<.030	.130	16
AUG 12...	81341	3.0	<1.0	24	9	4	.100	.050	.110	24
SEP 09...	81341	2.0	1.6	18	12	5	.160	<.030	.120	16

OGEECHEE RIVER BASIN

02202367 MILL CREEK NEAR BROOKLET, 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)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
JAN				
28...	1550	81341	90	230
FEB				
11...	0935	81341	82	50
MAR				
11...	0855	81341	95	20
APR				
08...	0900	81341	35	130
MAY				
13...	0905	81341	22	<20
JUN				
10...	0900	81341	31	130
JUL				
08...	0845	81341	9.2	20
AUG				
19...	0840	81213	70	20
25...	0845	81213	15	20
SEP				
09...	0835	81341	7.4	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)
JUL									
15...	0645	81213	7.3	68	6.8	25.5	21.5	3.4	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)
JUL								
15...	81213	4.1	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)
JUL							
15...	81213	2.1	<2.0	<.1	<1.0	<2.0	3.6

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)
Feb. 27	2200	*12,000	*11.32	No other peak greater than base 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	562	510	723	1290	2440	11600	1780	1190	447	675	768	319
2	544	498	792	1230	2600	10900	1700	1400	453	705	990	321
3	521	487	829	1190	2830	9460	1630	1610	449	746	1400	305
4	496	480	864	1180	2950	7840	1560	1920	463	769	1800	284
5	482	476	873	1210	3060	6650	1510	2230	486	742	2530	264
6	498	477	870	1230	3090	6030	1450	2550	504	747	3160	250
7	536	487	863	1220	2980	5600	1390	2720	519	763	3210	248
8	688	520	864	1230	2810	5180	1320	2720	519	733	3020	246
9	804	540	880	1300	2650	4680	1250	2550	516	678	2760	241
10	925	547	912	1470	2500	4140	1170	2250	513	642	2460	233
11	1040	559	962	1630	2320	3590	1100	1990	491	638	2130	226
12	1140	565	1020	1820	2180	3210	1030	1780	460	582	1740	222
13	1220	566	1070	1980	2070	2980	969	1660	431	480	1330	214
14	1300	571	1120	2080	2090	2920	911	1520	409	418	996	202
15	1370	587	1160	2140	2290	2980	865	1340	400	386	812	200
16	1410	607	1190	2250	2600	3090	823	1200	393	373	706	219
17	1470	628	1200	2400	3210	3120	786	1120	396	378	679	242
18	1480	649	1210	2540	4280	3080	753	1040	453	367	722	256
19	1460	656	1230	2640	5060	3000	730	947	565	340	727	245
20	1420	663	1220	2700	5710	2940	715	860	676	323	656	238
21	1360	671	1220	2730	6260	2910	706	759	790	318	612	233
22	1280	678	1240	2790	6760	2990	711	665	861	331	619	227
23	1180	680	1250	2930	7390	3160	746	594	866	395	653	219
24	1050	672	1250	3140	8090	3180	746	550	847	444	652	208
25	884	652	1250	3320	8920	2980	703	515	827	445	616	206
26	747	642	1260	3330	10400	2740	659	484	782	432	570	213
27	660	647	1300	3160	11700	2510	641	462	767	426	518	224
28	607	657	1350	2880	12000	2320	816	446	812	438	465	271
29	572	671	1390	2650	---	2170	971	433	803	485	411	349
30	546	690	1380	2500	---	2040	1020	421	714	496	367	430
31	525	---	1340	2430	---	1910	---	424	---	547	327	---
TOTAL	28777	17733	34082	66590	131240	131900	31161	40350	17612	16242	38406	7555
MEAN	928	591	1099	2148	4687	4255	1039	1302	587	524	1239	252
MAX	1480	690	1390	3330	12000	11600	1780	2720	866	769	3210	430
MIN	482	476	723	1180	2070	1910	641	421	393	318	327	200
CFSM	.35	.22	.41	.81	1.77	1.61	.39	.49	.22	.20	.47	.10
IN.	.40	.25	.48	.93	1.84	1.85	.44	.57	.25	.23	.54	.11

OGEECHEE RIVER BASIN

02202500 OGEECHEE RIVER NEAR EDEN, GA.--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--February 1968 to current year.

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 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 29...	0725	81341	2690	61	58	6.7	6.5	12.0	9.0	8.6	79
FEB 12...	0705	81341	2200	72	68	6.9	7.0	9.0	1.5	7.6	65
MAR 12...	0705	81341	3260	70	66	6.9	6.6	18.0	13.5	6.6	70
APR 08...	0550	81341	1340	87	82	7.2	7.0	18.5	14.5	5.9	63
MAY 14...	0655	81341	1550	79	77	7.0	7.0	19.0	14.0	7.1	77
JUN 11...	0635	81341	499	116	108	7.5	7.5	23.0	20.5	6.8	79
JUL 09...	0620	81341	688	100	95	7.4	7.3	28.0	21.0	6.2	79
AUG 13...	0605	81341	1450	83	81	6.8	--	25.5	23.0	4.9	60
SEP 09...	0640	81341	241	139	134	7.6	7.5	25.5	24.0	6.5	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- 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 29...	81341	10	1.1	20	13	9	<.020	.070	.050	10
FEB 12...	81341	7.0	1.1	32	21	2	<.020	<.030	<.020	10
MAR 12...	81341	6.0	<1.0	--	19	4	<.020	<.030	.060	15
APR 08...	81341	8.0	<1.0	--	29	3	.190	.050	.080	9.0
MAY 14...	81341	8.0	<1.0	24	25	3	.120	.100	.070	8.0
JUN 11...	81341	5.0	<1.0	40	37	4	.300	.060	.070	5.0
JUL 09...	81341	6.0	<1.0	36	34	6	.230	<.030	.080	8.0
AUG 13...	81341	5.0	<1.0	32	25	4	.140	<.030	.080	16
SEP 09...	81341	2.0	<1.0	32	53	2	.120	<.030	.070	5.0

OGEECHEE RIVER BASIN

02202500 OGEECHEE RIVER NEAR EDEN, 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)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
JAN				
29...	0725	81341	2690	80
FEB				
12...	0705	81341	2200	130
MAR				
12...	0705	81341	3260	20
APR				
08...	0550	81341	1340	20
MAY				
14...	0655	81341	1550	70
JUN				
11...	0635	81341	499	20
JUL				
09...	0620	81341	688	40
AUG				
18...	0625	81213	714	50
20...	0610	81341	671	<20
26...	0550	81213	584	110
SEP				
09...	0640	81341	241	20

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.

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)
Feb. 17	2000	*1,060	*8.92	No other peak greater than base 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	2.1	.86	9.2	38	96	333	29	342	19	186	123	2.3
2	2.5	.83	40	38	112	271	22	258	60	154	199	1.8
3	2.3	.69	59	36	118	237	19	166	280	93	256	2.0
4	1.7	.61	82	34	110	206	17	139	338	74	264	2.0
5	1.5	.61	90	34	99	167	13	95	202	68	223	1.9
6	1.3	.66	73	39	90	139	10	68	127	75	154	4.3
7	3.7	.78	53	41	79	112	7.0	82	111	70	113	5.0
8	78	2.5	45	56	67	93	4.7	113	100	51	201	3.0
9	154	3.4	36	91	62	82	4.3	100	84	33	368	1.9
10	219	5.2	28	169	58	74	3.3	65	68	22	361	.74
11	200	5.2	24	293	54	66	2.7	45	63	15	220	.66
12	133	3.8	20	422	51	63	3.0	36	52	11	140	.55
13	74	3.4	20	354	50	57	2.5	62	41	6.8	99	.50
14	42	2.8	18	257	110	57	2.1	101	32	3.7	76	.50
15	26	2.7	21	196	324	67	1.9	181	26	2.7	56	.92
16	17	2.9	16	151	607	77	1.8	143	22	2.0	36	6.3
17	13	2.7	15	129	985	78	1.6	92	25	1.8	23	9.8
18	9.6	2.6	17	111	1010	79	1.3	61	29	1.5	18	3.9
19	7.0	2.8	50	102	867	83	1.2	38	60	1.3	22	2.5
20	4.7	3.1	79	91	637	93	1.2	27	122	1.1	40	1.9
21	3.0	2.9	109	80	419	96	1.2	21	255	.91	73	1.4
22	2.5	2.8	126	71	336	93	1.2	17	284	.79	49	1.8
23	1.8	2.5	115	69	332	86	2.2	13	206	.74	24	1.9
24	1.0	2.5	89	65	408	72	2.1	13	135	.69	14	1.4
25	.91	2.4	71	63	548	60	1.8	28	92	1.0	13	1.3
26	.79	2.1	61	62	621	54	1.6	27	63	1.3	13	3.6
27	.90	2.1	53	62	555	60	4.0	22	44	.96	11	14
28	.87	1.6	48	74	443	60	100	17	37	.84	7.5	47
29	.87	1.5	44	71	---	53	218	14	42	.95	5.0	71
30	.99	1.7	42	69	---	41	278	12	98	3.3	3.6	93
31	.96	---	40	78	---	35	---	13	---	18	2.9	---
TOTAL	1006.99	70.24	1593.2	3446	9248	3144	758.7	2411	3117	902.38	3208.0	288.87
MEAN	32.5	2.34	51.4	111	330	101	25.3	77.8	104	29.1	103	9.63
MAX	219	5.2	126	422	1010	333	278	342	338	186	368	93
MIN	.79	.61	9.2	34	50	35	1.2	12	19	.69	2.9	.50
CF5M	.14	.01	.22	.48	1.42	.44	.11	.34	.45	.13	.45	.04
IN.	.16	.01	.26	.55	1.48	.50	.12	.39	.50	.14	.51	.05

OGEECHEE RIVER BASIN

02202600 BLACK CREEK NEAR BLITCHTON, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1980 - 1997, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	146	107	171	368	415	335	205	104	129	88.5	175	100
MAX	1682	754	762	1203	979	794	622	867	696	299	1105	486
(WY)	1995	1986	1995	1987	1983	1984	1993	1991	1991	1989	1991	1989
MIN	.80	1.90	2.14	2.96	11.8	28.8	6.78	1.08	.93	.36	.69	.61
(WY)	1994	1981	1981	1981	1981	1985	1985	1985	1990	1990	1980	1990

SUMMARY STATISTICS	FOR 1996 CALENDAR YEAR		FOR 1997 WATER YEAR		WATER YEARS 1980 - 1997	
ANNUAL TOTAL	18251.26		29194.38			
ANNUAL MEAN	49.9		80.0		194	
HIGHEST ANNUAL MEAN					480	
LOWEST ANNUAL MEAN					13.3	
HIGHEST DAILY MEAN	395	Apr 1	1010	Feb 18	10400	Oct 14 1994
LOWEST DAILY MEAN	.31	Jul 2	.50	Sep 13	.23	Jul 9 1990
ANNUAL SEVEN-DAY MINIMUM	.34	Jun 28	.72	Nov 1	.27	Jul 7 1990
INSTANTANEOUS PEAK FLOW			1060	Feb 17	11100	Oct 14 1994
INSTANTANEOUS PEAK STAGE			8.92	Feb 17	15.28	Oct 14 1994
INSTANTANEOUS LOW FLOW			.46	a	b.00	Aug 19 1954
ANNUAL RUNOFF (CFSM)	.21		.34		.83	
ANNUAL RUNOFF (INCHES)	2.93		4.68		11.34	
10 PERCENT EXCEEDS	136		211		536	
50 PERCENT EXCEEDS	17		39		42	
90 PERCENT EXCEEDS	.79		1.3		1.3	

a Part of each day September 12-15

b Observed

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 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 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 29...	1500	81341	270	40	37	5.5	5.4	11.0	8.0	8.7	78
FEB 12...	1445	81341	215	37	35	5.7	5.6	7.5	18.0	9.8	82
MAR 12...	1420	81341	210	36	34	5.6	5.5	18.0	28.0	6.1	65
APR 09...	1340	81341	77	43	42	6.0	6.1	16.5	25.0	6.9	71
MAY 14...	1250	81341	130	43	40	5.9	6.0	16.0	28.5	5.8	60
JUN 11...	1405	81341	5.2	44	38	5.9	6.0	22.0	26.5	3.0	34
JUL 09...	1410	81341	30	36	35	5.6	5.6	24.0	33.0	9.0	108
AUG 13...	1405	81341	165	39	38	5.6	--	24.0	32.0	5.4	64
SEP 10...	1340	81341	5.9	50	44	6.0	6.0	23.0	26.0	2.6	30

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)
JAN 29...	81341	7.0	1.0	12	3	1	<.020	<.030	<.020	15
FEB 12...	81341	6.0	1.5	10	3	<1	<.020	<.030	<.020	14
MAR 12...	81341	6.0	1.2	--	4	3	<.020	<.030	.020	20
APR 09...	81341	5.0	1.3	--	6	6	.020	.180	.030	20
MAY 14...	81341	4.0	<1.0	10	3	3	.030	.290	.030	16
JUN 11...	81341	19	2.4	12	10	98	.030	.220	.070	16
JUL 09...	81341	6.0	1.9	10	4	20	.060	.080	.030	20
AUG 13...	81341	6.0	<1.0	8	4	3	<.020	<.030	.030	20
SEP 10...	81341	10	3.7	14	11	61	.040	.140	.050	18

OGEECHEE RIVER BASIN

02202835 CANOOCHEE RIVER NEAR STILLMORE, 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)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
JAN				
29...	1500	81341	270	130
FEB				
12...	1445	81341	215	230
MAR				
12...	1420	81341	210	130
APR				
09...	1340	81341	77	130
MAY				
14...	1250	81341	130	70
JUN				
11...	1405	81341	5.2	790
JUL				
09...	1410	81341	30	6400
AUG				
18...	1350	81213	155	170
20...	1300	81341	82	230
26...	1335	81213	20	220
SEP				
10...	1340	81341	5.9	510

DATE	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...	1040	81213	50	47	6.2	23.0	33.0	4.5	53

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	3.1	1.1	<1.0	<2.0	<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							
14...	81213	3.9	<2.0	<0.1	<1.0	<2.0	7.5

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, 2 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.

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)
Feb. 17	1200	*3,500	*11.93	Feb. 25	0200	3,060	11.51

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	17	17	61	171	836	1880	234	531	53	49	326	12
2	30	16	83	137	1020	1580	217	619	51	121	478	16
3	36	14	90	124	1220	1330	204	622	187	224	647	21
4	38	13	83	117	1400	1140	191	610	383	137	782	15
5	27	13	100	120	1380	1010	169	640	275	79	995	13
6	21	12	132	183	1210	890	149	605	179	54	1060	14
7	25	12	148	292	986	782	131	463	121	39	854	12
8	80	17	152	390	744	691	111	467	100	33	492	10
9	103	17	141	547	617	622	95	340	97	30	280	10
10	124	17	126	642	539	566	84	179	99	31	183	18
11	181	30	113	669	493	525	74	120	99	31	131	19
12	281	47	100	701	460	488	67	95	87	29	103	16
13	322	54	91	760	434	451	64	86	77	83	85	13
14	291	61	85	824	551	537	62	78	67	101	72	10
15	267	58	77	902	1020	689	58	66	60	76	67	8.1
16	239	52	70	929	1870	761	53	57	51	53	80	6.9
17	190	50	66	815	3360	857	48	47	41	39	105	6.1
18	141	50	77	634	3150	844	43	37	43	53	94	5.4
19	107	49	123	502	3160	731	37	30	49	63	78	5.0
20	84	48	163	423	2910	695	32	25	60	47	76	4.5
21	67	46	178	377	2290	700	28	21	58	44	74	4.2
22	54	43	223	347	1910	651	25	19	60	38	88	3.9
23	45	39	286	318	1830	583	25	17	73	30	95	3.7
24	36	35	292	308	2520	507	28	16	79	22	80	3.5
25	30	32	256	311	3000	438	29	16	75	21	62	4.9
26	26	30	220	325	2860	387	25	14	66	20	46	8.1
27	23	29	198	333	2720	350	24	14	59	21	35	8.8
28	21	28	244	363	2300	321	91	14	54	14	26	6.9
29	19	27	286	396	---	299	194	18	65	68	19	4.9
30	18	26	265	489	---	270	335	27	60	210	15	6.9
31	18	---	236	684	---	248	---	41	---	245	12	---
TOTAL	2961	982	4765	14133	46790	21823	2927	5934	2828	2105	7540	290.8
MEAN	95.5	32.7	154	456	1671	704	97.6	191	94.3	67.9	243	9.69
MAX	322	61	292	929	3360	1880	335	640	383	245	1060	21
MIN	17	12	61	117	434	248	24	14	41	14	12	3.5
CFSM	.17	.06	.28	.82	3.01	1.27	.18	.34	.17	.12	.44	.02
IN.	.20	.07	.32	.95	3.14	1.46	.20	.40	.19	.14	.51	.02

OGEECHEE RIVER BASIN

02203000 CANOOCHEE RIVER NEAR CLAXTON, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1937 - 1997, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	225	197	414	703	969	1112	747	342	240	249	279	227
MAX	1674	2074	2359	2498	2263	2900	2667	1804	999	1730	2536	1244
(WY)	1965	1948	1948	1987	1965	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 1996 CALENDAR YEAR

FOR 1997 WATER YEAR

WATER YEARS 1937 - 1997

ANNUAL TOTAL	74057.9		113078.8			
ANNUAL MEAN	202		310		472	
HIGHEST ANNUAL MEAN					1283	1948
LOWEST ANNUAL MEAN					77.7	1968
HIGHEST DAILY MEAN	1570	Mar 24	3360	Feb 17	12400	Jan 14 1993
LOWEST DAILY MEAN	2.2	Jul 23	3.5	Sep 24	.54	Sep 29 1993
ANNUAL SEVEN-DAY MINIMUM	2.4	Jul 18	4.2	Sep 19	.63	Sep 25 1993
INSTANTANEOUS PEAK FLOW			3500	Feb 17	13500	Jan 14 1993
INSTANTANEOUS PEAK STAGE			11.93	Feb 17	16.60	Jan 14 1993
INSTANTANEOUS LOW FLOW			3.3	Sep 24	.48	Sep 29 1993
ANNUAL RUNOFF (CFSM)	.36		.56		.85	
ANNUAL RUNOFF (INCHES)	4.96		7.58		11.55	
10 PERCENT EXCEEDS	628		795		1320	
50 PERCENT EXCEEDS	56		85		162	
90 PERCENT EXCEEDS	4.4		16		7.2	

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 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 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 29...	1310	81341	381	58	56	5.9	5.8	12.0	11.0	8.7	80
FEB 12...	1310	81341	474	55	51	5.8	5.8	9.5	16.0	9.4	82
MAR 12...	1300	81341	506	50	48	5.8	5.7	19.0	27.0	6.2	67
APR 09...	1205	81341	103	56	54	6.0	6.0	18.5	26.5	6.4	69
MAY 14...	1135	81341	83	62	61	6.1	6.3	19.0	26.0	5.6	60
JUN 11...	1235	81341	100	54	51	6.0	6.1	22.0	31.5	5.5	63
JUL 09...	1245	81341	32	58	55	6.0	6.0	27.0	30.5	6.4	80
AUG 13...	1235	81341	93	54	53	5.9	--	25.5	33.0	4.3	53
SEP 10...	1205	81341	15	59	57	6.2	6.2	24.0	30.0	4.5	54

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER)	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)
JAN 29...	81341	120	5.0	1.5	4	6	.080	.040	.040	16
FEB 12...	81341	140	6.0	1.5	4	1	.060	.030	.380	20
MAR 12...	81341	110	6.0	1.5	4	7	.040	.070	.060	25
APR 09...	81341	160	4.0	1.4	5	5	.160	.280	.100	25
MAY 14...	81341	150	4.0	1.0	7	5	.360	.230	.120	18
JUN 11...	81341	140	5.0	<1.0	6	7	.190	.090	.080	19
JUL 09...	81341	160	5.0	<1.0	6	4	.220	.040	.110	20
AUG 13...	81341	--	5.0	1.0	9	6	.140	.060	.080	22
SEP 10...	81341	120	3.0	1.2	9	3	.210	<.030	.080	13

OGEECHEE RIVER BASIN

02203010 CANOOCHEE RIVER 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)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
JAN 29...	1310	81341	381	80
FEB 12...	1310	81341	474	90
MAR 12...	1300	81341	506	20
APR 09...	1205	81341	103	130
MAY 14...	1135	81341	83	230
JUN 11...	1235	81341	100	230
JUL 09...	1245	81341	32	70
AUG 18...	1200	81213	103	50
20...	1130	81341	77	490
26...	1220	81213	53	20
SEP 10...	1205	81341	15	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)
JUL 14...	1700	81213	107	53	6.2	28.0	34.0	5.3	68

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	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 14...	81213	1.8	<2.0	<.1	<1.0	<2.0	6.3

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 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 1996 TO SEPTEMBER 1997

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)
JAN 29...	1010	81341	56	52	49	4.9	4.9	14.0	12.0	8.1	78
FEB 12...	1105	81341	54	54	51	4.9	4.9	12.5	16.0	8.1	75
MAR 12...	1100	81341	100	59	55	4.5	4.2	18.0	23.0	5.5	58
APR 09...	1030	81341	3.7	67	66	5.9	6.0	17.5	20.5	2.6	27
MAY 14...	1020	81341	1.2	52	50	5.7	5.9	20.5	22.0	4.0	45
JUN 11...	1115	81341	66	49	45	4.7	4.8	22.0	30.0	6.0	69
JUL 09...	1130	81341	60	44	41	4.8	4.6	27.0	29.5	8.2	103
AUG 13...	1120	81341	78	41	40	4.8	--	26.0	32.0	4.4	54
SEP 10...	1105	81341	13	41	40	4.9	4.8	25.5	26.5	4.0	49

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER)	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	HARD- NESS TOTAL (MG/L AS CaCO3)	ANC WATER UNFLTRD FET LAB MG/L AS CaCO3	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
JAN 29...	81341	2.0	1.5	14	1	4	.070	.100	.020	28
FEB 12...	81341	1.0	1.6	24	2	1	.060	.070	<.020	30
MAR 12...	81341	2.0	2.0	--	<1	3	.080	.050	.040	42
APR 09...	81341	16	4.4	--	11	22	.410	1.25	.190	42
MAY 14...	81341	10	1.1	12	6	9	.530	.220	.070	26
JUN 11...	81341	2.0	1.0	12	2	4	.040	.050	.030	30
JUL 09...	81341	2.0	2.2	10	<1	6	<.020	<.030	.040	33
AUG 13...	81341	2.0	1.4	6	1	6	<.020	<.030	.030	--
SEP 10...	81341	2.0	2.0	6	3	8	.020	.080	.050	31

OGEECHEE RIVER BASIN

02203514 CANOOCHEE CREEK NEAR HINESVILLE, 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)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
JAN 29...	1010	81341	56	<20
FEB 12...	1105	81341	54	<20
MAR 12...	1100	81341	100	<20
APR 09...	1030	81341	3.7	330
MAY 14...	1020	81341	1.2	50
JUN 11...	1115	81341	66	50
JUL 09...	1130	81341	60	50
AUG 18...	1110	81213	70	20
20...	1035	81341	96	<20
26...	1100	81213	64	60
SEP 10...	1105	81341	13	170

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 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 1996 TO SEPTEMBER 1997

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)
JAN 29...	0850	81341	8.78	67	64	6.0	6.0	12.5	9.5	8.3	77
FEB 12...	0840	81341	10.26	61	58	5.9	5.9	10.0	4.0	7.6	67
MAR 12...	0850	81341	10.32	55	53	5.8	5.6	18.0	14.5	5.6	60
APR 09...	0845	81341	8.39	64	60	6.3	6.5	18.0	15.0	5.7	60
MAY 14...	0745	81341	8.49	60	58	6.1	6.1	19.0	18.0	5.9	63
JUN 11...	0845	81341	8.52	61	57	6.1	6.2	21.5	24.5	6.1	69
JUL 09...	0835	81341	7.57	58	56	6.2	6.3	26.0	24.0	7.9	97
AUG 13...	0830	81341	9.52	59	58	5.8	--	25.0	25.0	4.9	59
SEP 10...	0855	81341	6.91	79	78	6.8	6.8	25.0	24.0	5.1	62

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)
JAN 29...	81341	120	3.0	1.0	4	2	.190	<.030	.050	19
FEB 12...	81341	140	4.0	1.3	7	<1	.070	<.030	.020	23
MAR 12...	81341	220	5.0	1.2	5	3	.050	.030	.080	28
APR 09...	81341	160	4.0	1.1	7	3	.310	.060	.100	22
MAY 14...	81341	160	3.0	<1.0	6	2	.380	.080	.090	21
JUN 11...	81341	150	5.0	<1.0	4	3	.250	.040	.080	20
JUL 09...	81341	160	3.0	<1.0	6	3	.260	<.030	.120	22
AUG 13...	81341	--	3.0	1.0	5	3	.120	.050	.080	30
SEP 10...	81341	120	2.0	<1.0	15	<1	.710	<.030	.160	13

OGEECHEE RIVER BASIN

02203519 CANOOCHEE RIVER AT RICHMOND HILL, GA.--Continued

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

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	GAGE HEIGHT (FEET) (00065)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
JAN 29...	0850	81341	8.78	50
FEB 12...	0840	81341	10.26	110
MAR 12...	0850	81341	10.32	230
APR 09...	0845	81341	8.39	110
MAY 14...	0745	81341	8.49	110
JUN 11...	0845	81341	8.52	110
JUL 09...	0835	81341	7.57	70
AUG 18...	0815	81213	8.07	80
20...	0810	81341	8.48	150
26...	0910	81213	8.11	50
SEP 10...	0855	81341	6.91	<20

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 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 1996 TO SEPTEMBER 1997

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)
JAN 30...	1340	81341	15.32	6240	5890	6.9	6.8	11.5	9.5	8.7	81
FEB 27...	1315	81341	15.05	555	540	5.7	5.8	16.5	28.0	7.0	71
MAR 27...	1310	81341	14.83	3910	3760	6.8	6.8	20.0	27.5	5.8	65
MAY 01...	1155	81341	9.29	1890	1850	6.2	6.3	21.5	26.5	5.4	61
29...	1130	81341	11.89	13600	13400	6.7	6.8	21.5	24.0	5.0	59
JUN 26...	1130	81341	13.18	15400	15200	7.0	--	29.5	31.5	4.3	59
JUL 31...	1115	81341	11.44	1930	1870	6.3	6.3	27.0	21.0	3.6	45
AUG 28...	1120	81341	8.34	4640	4500	6.6	6.8	26.5	31.0	3.7	47
SEP 25...	1150	81341	10.61	20900	20400	7.0	--	27.0	30.0	4.5	61

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)
JAN 30...	81341	12	1.2	580	25	19	.060	.040	.090	17
FEB 27...	81341	12	1.5	48	6	14	.100	.070	.090	33
MAR 27...	81341	23	1.2	--	29	34	.040	.060	.140	--
MAY 01...	81341	21	1.7	190	12	39	.960	.060	.110	22
29...	81341	14	1.5	--	36	35	.030	.050	.080	--
JUN 26...	81341	--	--	--	55	68	.040	.100	.110	14
JUL 31...	81341	21	1.8	170	16	52	.050	.090	.150	30
AUG 28...	81341	27	1.6	--	31	61	.100	.110	.170	26
SEP 25...	81341	--	--	--	68	31	.040	.060	.130	16

OGEECHEE RIVER BASIN

02203538 LITTLE OGEECHEE RIVER NEAR BURROUGHS, GA.--Continued

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

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	GAGE HEIGHT (FEET) (00065)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
JAN				
30...	1340	81341	15.32	700
FEB				
27...	1315	81341	15.05	330
MAR				
27...	1310	81341	14.83	330
MAY				
01...	1155	81341	9.29	1300
29...	1130	81341	11.89	1300
JUL				
31...	1115	81341	11.44	330
AUG				
28...	1120	81341	8.34	110
SEP				
04...	1110	81213	15.89	E140
11...	1110	81213	10.17	130

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 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 1996 TO SEPTEMBER 1997

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)
JAN 30...	1445	81341	7.22	7100	6560	7.4	7.2	12.0	8.5	7.3	69
FEB 27...	1415	81341	6.02	802	781	7.2	7.2	18.0	27.5	5.8	61
MAR 27...	1415	81341	6.18	7820	7390	7.2	7.2	20.0	25.0	4.8	54
MAY 01...	1300	81341	4.91	305	298	7.2	6.9	25.5	26.5	5.4	67
29...	1240	81341	5.41	7250	7100	7.1	7.2	22.0	24.0	5.0	58
JUN 26...	1250	81341	5.06	17100	16700	7.5	--	30.5	33.0	6.0	84
JUL 31...	1230	81341	7.29	82	81	6.7	6.6	25.5	20.5	4.0	49
AUG 28...	1230	81341	4.52	760	730	7.4	7.4	28.0	34.5	5.8	75
SEP 25...	1250	81341	5.27	254	249	7.0	--	27.0	29.5	2.5	31

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)
JAN 30...	81341	9.0	1.5	760	92	19	.090	.200	.250	5.0
FEB 27...	81341	10	1.9	130	63	11	.150	.390	.300	8.0
MAR 27...	81341	11	2.5	--	84	21	.070	.240	.300	--
MAY 01...	81341	12	2.0	80	58	22	.100	.530	.630	7.0
29...	81341	13	1.6	--	66	25	.060	.370	.360	6.0
JUN 26...	81341	--	--	--	105	28	.040	.060	.410	8.0
JUL 31...	81341	84	2.8	24	20	181	.230	.110	.410	8.0
AUG 28...	81341	11	2.3	150	95	19	.020	.250	.300	6.0
SEP 25...	81341	--	--	60	33	8	.130	.070	.430	10

OGEECHEE RIVER BASIN

022035408 CASEY CANAL SOUTH AT SAVANNAH, GA.--Continued

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

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	GAGE HEIGHT (FEET) (00065)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
JAN 30...	1445	81341	7.22	1700
FEB 27...	1415	81341	6.02	790
MAR 27...	1415	81341	6.18	1300
MAY 01...	1300	81341	4.91	1400
29...	1240	81341	5.41	520
AUG 28...	1230	81341	4.52	490
SEP 04...	1210	81213	5.79	E330
11...	1210	81213	5.15	>24000

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 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 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 29...	1120	81341	4.9	105	98	6.5	6.5	14.0	13.0	7.1	68
FEB 12...	0945	81341	6.0	131	123	6.7	6.7	8.5	10.0	6.8	58
MAR 12...	0955	81341	4.8	136	129	6.7	6.6	18.5	18.0	4.4	46
APR 09...	0935	81341	6.3	148	141	7.1	7.2	19.0	18.5	3.0	32
MAY 14...	0840	81341	4.0	102	99	6.8	6.9	18.5	20.0	4.3	46
JUN 11...	1010	81341	5.9	113	107	7.0	7.0	22.5	27.5	4.5	53
JUL 09...	1002	81341	18	41	39	5.2	5.2	24.0	28.0	8.7	103
AUG 13...	1000	81341	4.9	90	88	6.6	--	25.5	28.5	4.3	53
SEP 10...	0950	81341	3.5	124	119	7.1	7.1	24.5	24.0	4.1	49

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)
JAN 29...	81341	10	1.2	32	19	10	.020	.050	.080	18
FEB 12...	81341	10	1.4	40	29	3	<.020	.040	.070	18
MAR 12...	81341	11	1.3	--	33	18	<.020	.060	.130	19
APR 09...	81341	10	1.0	--	42	7	<.020	<.030	.150	11
MAY 14...	81341	6.0	1.0	32	28	2	.020	.040	.070	10
JUN 11...	81341	9.0	<1.0	32	35	6	.070	.050	.100	8.0
JUL 09...	81341	12	1.7	10	2	23	.070	<.030	.070	32
AUG 13...	81341	6.0	<1.0	24	24	2	<.020	.060	.080	24
SEP 10...	81341	6.0	<1.0	28	37	3	<.020	<.030	.120	10

NORTH NEWPORT RIVER BASIN

02203559 PEACOCK CREEK AT MCINTOSH, 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)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
JAN 29...	1120	81341	4.9	<20
FEB 12...	0945	81341	6.0	80
MAR 12...	0955	81341	4.8	90
APR 09...	0935	81341	6.3	20
MAY 14...	0840	81341	4.0	<20
JUN 11...	1010	81341	5.9	<20
JUL 09...	1002	81341	18	170
AUG 18...	0945	81213	7.6	490
20...	0930	81341	6.3	170
26...	1015	81213	6.0	20
SEP 10...	0950	81341	3.5	230

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 September 1997.

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 1996 TO SEPTEMBER 1997

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)
JAN 30...	1215	81341	--	43200	40700	7.9	7.6	11.5	8.0	10.4	114
FEB 27...	1200	81341	15.73	40200	38700	7.8	7.6	15.5	25.0	8.8	103
MAR 27...	1140	81341	15.89	38600	36100	7.5	7.6	20.0	23.5	6.5	82
MAY 01...	1030	81341	8.96	38700	36900	7.4	7.5	22.0	22.0	6.4	84
29...	1020	81341	11.12	42300	40500	7.3	7.5	23.0	23.5	5.3	71
JUN 26...	1020	81341	12.14	41000	40100	7.4	--	30.0	31.5	4.5	69
JUL 31...	1010	81341	13.29	43400	42900	7.3	7.5	30.0	21.0	4.2	65
AUG 28...	1010	81341	10.58	39500	38200	7.3	7.4	27.5	29.0	4.0	59
SEP 25...	1050	81341	10.34	42900	41600	7.4	--	28.0	31.0	4.0	59

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)	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)
JAN 30...	81341	10	6.0	1.3	100	--	22	<.020	<.030	.050	2.0
FEB 27...	81341	20	5.0	<1.0	98	15000	13	<.020	.050	.050	5.0
MAR 27...	81341	15	6.0	1.0	90	17000	22	<.020	.050	.080	--
MAY 01...	81341	30	11	1.1	102	--	34	.030	.060	.080	--
29...	81341	40	10	<1.0	104	12000	30	<.020	.080	.060	--
JUN 26...	81341	--	--	--	107	17000	55	.020	.080	.100	7.0
JUL 31...	81341	20	14	<1.0	114	18000	71	.060	<.030	.140	7.0
AUG 28...	81341	30	12	1.0	117	16000	52	.070	<.030	.130	8.0
SEP 25...	81341	--	--	--	123	18000	10	<.020	<.030	.140	8.0

NORTH NEWPORT RIVER BASIN

02203578 NORTH NEWPORT RIVER AT HALFMOON LANDING, GA.--Continued

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

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	GAGE HEIGHT (FEET) (00065)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
JAN 30...	1215	81341	--	20
FEB 27...	1200	81341	15.73	<20
MAR 27...	1140	81341	15.89	<20
MAY 01...	1030	81341	8.96	<20
29...	1020	81341	11.12	<20
JUL 31...	1010	81341	13.29	<20
AUG 28...	1010	81341	10.58	<20
SEP 04...	1000	81213	17.22	<20
11...	1000	81213	10.14	<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 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 1996 TO SEPTEMBER 1997

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)
JAN 30...	1045	81341	10.82	1830	1750	6.3	6.3	12.0	8.0	8.3	77
FEB 27...	1100	81341	12.40	16500	16100	7.0	6.9	15.5	26.0	8.0	85
MAR 27...	1040	81341	13.04	29700	28300	7.3	7.4	20.5	22.5	7.0	87
MAY 01...	0930	81341	11.24	36300	35100	7.2	7.4	22.0	22.5	6.6	86
29...	0920	81341	11.87	41200	39700	7.1	7.6	22.0	20.5	5.2	69
JUN 26...	0920	81341	9.18	33600	33000	7.2	--	29.5	30.5	4.6	67
JUL 31...	0915	81341	14.05	40300	39800	7.3	7.5	30.5	23.0	5.1	77
AUG 28...	0920	81341	12.21	33800	32700	7.2	7.3	27.0	28.5	4.3	61
SEP 25...	1000	81341	10.18	38300	37000	7.2	--	27.0	29.0	3.5	51

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 30...	81341	12	1.0	11	17	.060	.040	.060	26
FEB 27...	81341	11	1.4	46	23	.020	.110	.060	22
MAR 27...	81341	14	1.4	75	44	.020	.070	.080	--
MAY 01...	81341	8.0	1.8	89	25	<.020	<.030	.080	--
29...	81341	12	1.3	98	33	<.020	.110	.100	--
JUN 26...	81341	--	--	90	37	<.020	.030	.110	12
JUL 31...	81341	4.0	1.7	112	45	<.020	<.030	.150	11
AUG 28...	81341	7.0	1.5	104	25	.030	<.030	.120	14
SEP 25...	81341	--	--	115	17	<.020	.070	.120	14

SOUTH NEWPORT RIVER BASIN

02203592 SOUTH NEWPORT RIVER AT SOUTH NEWPORT, GA.--Continued

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

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	GAGE HEIGHT (FEET) (00065)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
JAN 30...	1045	81341	10.82	4900
FEB 27...	1100	81341	12.40	330
MAR 27...	1040	81341	13.04	170
MAY 01...	0930	81341	11.24	170
29...	0920	81341	11.87	170
JUL 31...	0915	81341	14.05	20
AUG 28...	0920	81341	12.21	<20
SEP 04...	0915	81213	13.57	<20
11...	0915	81213	10.44	80

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.

WATER-DISCHARGE RECORDS

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 Dec. 12 to Mar. 17, which are good to 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)
Jan. 9	1500	4,930	9.42	Apr. 28	0215	5,240	9.60
Feb. 15	0430	4,500	9.16	Sept. 25	1815	4,180	8.96
Mar. 1	0500	*8,940	*11.49				

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	164	110	1860	166	272	5900	186	270	884	309	244	99
2	154	1030	609	175	255	834	184	220	288	244	165	102
3	150	238	283	166	251	580	184	1400	238	170	143	96
4	149	157	213	161	264	436	183	547	201	160	145	96
5	128	141	186	710	297	360	184	303	176	138	148	94
6	128	150	189	346	246	458	341	242	168	132	125	91
7	135	150	174	407	240	331	235	214	185	131	121	92
8	201	1010	188	486	1060	302	192	201	208	144	156	93
9	158	307	159	3640	457	278	184	213	168	141	134	91
10	124	195	153	842	342	279	172	361	161	128	159	95
11	116	162	152	472	333	262	168	196	162	124	255	112
12	115	151	230	354	270	252	326	181	168	124	135	99
13	116	143	1090	306	1410	253	235	173	164	122	132	91
14	115	140	272	269	1330	636	177	166	538	141	251	90
15	113	136	206	249	2690	306	173	163	679	124	352	90
16	113	133	186	944	671	254	168	158	223	127	217	83
17	111	136	325	358	472	247	163	154	363	136	150	83
18	122	140	221	278	389	239	159	155	855	196	133	85
19	154	256	256	259	333	226	170	155	307	213	163	84
20	115	158	191	247	309	244	196	153	216	143	187	84
21	112	159	171	233	423	215	176	145	184	122	351	84
22	108	324	167	227	908	211	223	145	170	162	139	84
23	123	167	166	262	376	204	588	142	164	2040	121	84
24	142	144	180	452	313	200	242	144	155	980	117	87
25	118	141	270	824	304	198	182	187	157	259	114	2200
26	112	410	168	367	304	298	184	164	243	186	110	907
27	113	173	238	291	451	216	693	262	349	157	110	268
28	116	162	227	806	5070	247	2840	270	305	154	107	1580
29	111	143	181	474	---	305	710	246	173	218	105	555
30	111	141	171	377	---	212	336	799	161	240	103	239
31	110	---	168	312	---	199	---	373	---	356	101	---
TOTAL	3957	7007	9250	15460	20040	15182	10154	8502	8413	8021	4993	7938
MEAN	128	234	298	499	716	490	338	274	280	259	161	265
MAX	201	1030	1860	3640	5070	5900	2840	1400	884	2040	352	2200
MIN	108	110	152	161	240	198	159	142	155	122	101	83
CFSM	.70	1.28	1.64	2.74	3.93	2.69	1.86	1.51	1.54	1.42	.88	1.45
IN.	.81	1.43	1.89	3.16	4.10	3.10	2.08	1.74	1.72	1.64	1.02	1.62

ALTAMAHA RIVER BASIN

02204070 SOUTH RIVER AT KLONDIKE ROAD NEAR LITHONIA, GA.-- Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1984 - 1997, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	257	305	315	417	470	451	310	272	242	296	235	248
MAX	852	712	817	840	1010	852	508	582	505	804	447	520
(WY)	1996	1993	1984	1990	1990	1990	1984	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 1996 CALENDAR YEAR		FOR 1997 WATER YEAR		WATER YEARS 1984 - 1997	
ANNUAL TOTAL	135628		118917			
ANNUAL MEAN	371		326		318	
HIGHEST ANNUAL MEAN					470	
LOWEST ANNUAL MEAN					159	
HIGHEST DAILY MEAN	8210	Jan 27	5900	Mar 1	9870	Mar 17 1990
LOWEST DAILY MEAN	100	Sep 15	83	Sep 16	48	Jul 20 1988
ANNUAL SEVEN-DAY MINIMUM	112	Oct 26	84	Sep 16	53	Sep 23 1987
INSTANTANEOUS PEAK FLOW			8940	Mar 1	12500	Mar 17 1990
INSTANTANEOUS PEAK STAGE			11.49	Mar 1	a	Mar 17 1990
ANNUAL RUNOFF (CFSM)	2.04		1.79		1.74	
ANNUAL RUNOFF (INCHES)	27.72		24.31		23.71	
10 PERCENT EXCEEDS	543		565		553	
50 PERCENT EXCEEDS	216		186		186	
90 PERCENT EXCEEDS	121		112		99	

a 13.03 ft in gage well, 14.01 ft from floodmarks.

ALTAMAHA RIVER BASIN

02204070 SOUTH RIVER AT KLONDIKE ROAD NEAR LITHONIA, GA.-- Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--December 1983 to March 1994.

PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: November 1983 to current year.

DISSOLVED OXYGEN: November 1983 to current year.

INSTRUMENTATION.--Water-quality monitor. Water Temperature and Dissolved Oxygen are recorded hourly.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: Maximum recorded, 30.5°C July 25, 1995; minimum recorded, 0.5°C Jan. 21, 1985.

DISSOLVED OXYGEN: Maximum recorded, 13.2 mg/L Jan. 8, 1988; minimum recorded, 0.7 mg/L Mar. 13, 1986.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURES: Maximum, 28.5°C July 3, 4; minimum recorded, 3.5°C Jan. 18, 19.

DISSOLVED OXYGEN: Maximum, 11.4 mg/L Dec. 20; minimum, 4.9 mg/L July 23.

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	19.0	18.5	18.5	16.5	13.5	11.5	15.0	14.5	10.5	8.5	16.0	15.5
2	19.5	18.5	18.0	15.5	13.5	11.0	15.5	14.5	11.5	9.5	16.5	15.5
3	21.5	19.0	15.5	13.5	11.0	10.0	16.0	14.0	12.5	11.0	17.5	16.0
4	21.0	20.0	13.5	11.5	10.5	9.0	16.0	14.5	14.0	12.5	17.0	15.5
5	20.5	18.0	14.0	12.5	10.5	10.0	16.0	14.5	14.5	13.0	16.5	15.0
6	18.5	16.5	16.5	14.0	11.0	9.5	14.5	13.0	13.0	11.5	16.0	14.0
7	17.5	16.5	18.0	16.0	12.5	10.5	13.0	10.5	12.5	10.5	14.5	13.0
8	18.5	16.5	18.0	16.0	12.0	10.5	10.5	7.5	12.0	10.5	15.0	12.5
9	18.5	16.5	16.0	12.5	10.5	9.0	7.5	6.5	10.5	9.5	16.0	13.5
10	18.0	16.0	13.0	12.0	10.0	8.0	6.5	6.5	10.0	9.0	17.0	15.0
11	17.5	15.5	12.0	10.5	11.5	8.5	7.0	6.0	9.5	8.5	18.0	16.0
12	17.0	14.5	11.0	9.5	13.5	11.0	7.0	5.5	8.5	7.5	17.5	16.0
13	16.5	14.5	11.5	10.0	14.0	12.5	7.0	5.5	8.5	6.5	16.5	15.5
14	17.0	14.5	13.5	11.5	12.5	11.0	7.5	6.0	7.0	6.5	17.0	15.5
15	17.5	15.0	13.0	11.5	11.0	10.0	8.5	6.5	8.0	6.5	16.5	14.0
16	18.0	15.5	11.5	10.0	10.5	9.0	9.0	7.5	9.0	7.5	14.5	12.5
17	18.5	16.5	12.5	10.5	11.0	10.0	7.5	4.5	10.0	8.0	14.5	12.0
18	18.5	17.0	13.0	11.5	10.5	9.0	4.5	3.5	11.0	9.0	16.0	13.5
19	17.0	15.5	14.0	13.0	9.0	6.0	---	3.5	12.0	10.0	16.5	15.5
20	15.5	13.0	14.5	12.5	6.0	5.0	---	---	13.5	11.5	18.0	15.5
21	15.5	13.0	15.0	13.5	6.0	4.0	---	---	14.5	13.0	18.0	15.5
22	17.0	14.5	15.0	13.5	7.0	4.5	---	---	15.0	13.5	18.0	15.5
23	17.5	16.0	13.5	11.5	8.5	5.5	---	---	13.5	11.0	17.5	15.5
24	16.5	14.5	12.5	10.0	10.0	8.0	---	---	11.5	10.0	17.0	14.5
25	16.0	14.0	14.0	12.0	9.5	8.5	---	---	12.0	10.0	16.5	15.0
26	17.0	15.5	14.0	12.5	8.5	7.0	---	---	12.0	11.0	17.5	16.0
27	18.5	17.0	12.5	11.0	9.5	8.0	10.5	9.0	14.0	11.5	17.5	15.0
28	19.5	17.5	11.0	9.5	11.0	9.0	12.0	10.5	15.5	14.0	16.5	15.0
29	20.5	18.5	10.5	8.5	13.0	11.0	11.5	9.5	---	---	19.0	15.5
30	20.0	19.0	11.5	9.5	14.5	12.5	10.0	9.0	---	---	19.5	17.0
31	19.5	17.5	---	---	15.0	14.0	10.0	8.5	---	---	18.5	16.5
MONTH	21.5	13.0	18.5	8.5	15.0	4.0	16.0	3.5	15.5	6.5	19.5	12.0

ALTAMAHA RIVER BASIN

02204070 SOUTH RIVER AT KLONDIKE ROAD NEAR LITHONIA, GA.-- Continued

OXYGEN DISSOLVED (MG/L), WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	7.7	7.5	9.0	7.4	9.2	8.2	8.6	8.1	9.9	9.0	8.5	8.2
2	7.8	7.7	8.3	6.3	8.9	8.2	8.8	8.2	9.6	9.1	8.7	8.2
3	7.9	7.6	8.4	7.6	9.4	8.8	8.8	8.4	9.2	8.9	8.4	8.1
4	7.7	7.5	9.1	8.4	9.5	9.2	8.6	8.3	9.1	8.5	8.8	8.0
5	8.0	7.5	8.9	8.6	9.3	9.1	8.3	7.9	8.9	8.2	8.8	8.2
6	8.2	7.8	8.7	8.0	9.7	9.1	8.7	8.1	9.3	8.6	8.7	8.1
7	8.1	8.0	8.1	7.8	9.3	8.8	9.4	8.7	9.7	9.1	9.3	8.3
8	8.4	8.0	7.8	6.8	9.3	8.8	10.0	9.1	9.5	9.3	9.3	8.5
9	8.2	7.6	8.6	7.7	9.6	9.1	10.2	9.7	9.8	9.4	9.0	8.4
10	8.5	7.8	9.1	8.6	10.0	9.3	10.1	9.6	10.0	9.6	8.8	8.4
11	8.8	8.0	9.4	8.9	9.9	9.4	11.0	10.1	10.6	10.0	8.8	8.2
12	9.2	8.0	9.9	9.3	9.4	8.9	11.2	10.6	10.6	10.0	8.9	8.0
13	9.4	8.3	9.8	9.5	8.9	8.4	10.8	9.5	10.8	10.3	8.6	8.3
14	9.6	8.5	9.7	9.2	9.3	8.6	11.2	10.3	10.8	10.6	8.5	7.8
15	9.6	8.4	9.6	9.1	9.8	9.2	11.0	10.3	11.0	10.3	8.7	8.0
16	9.6	8.2	10.0	9.3	10.6	9.8	10.7	9.9	10.9	10.1	9.2	8.4
17	9.5	8.2	9.9	9.2	10.6	10.3	10.8	9.9	10.8	10.0	9.3	8.5
18	8.7	7.9	9.4	8.8	10.4	10.3	11.3	10.7	10.5	9.8	9.1	8.5
19	8.8	7.9	9.0	8.5	10.9	10.4	---	10.8	10.4	9.7	8.5	8.3
20	9.5	8.1	8.8	8.4	11.4	10.6	---	---	10.1	9.6	8.8	8.3
21	9.7	8.4	8.7	8.3	11.2	10.5	---	---	9.7	9.3	9.0	7.9
22	9.7	8.3	8.3	7.7	11.3	10.7	---	---	9.3	8.9	8.9	8.0
23	9.2	8.0	9.1	8.2	11.2	10.5	---	---	9.8	9.1	9.1	8.0
24	9.4	8.1	9.4	8.9	10.5	10.0	---	---	10.2	9.5	9.5	8.0
25	9.7	8.3	9.0	8.5	10.3	9.9	---	---	10.1	9.7	9.4	8.4
26	9.3	8.2	8.6	7.8	10.4	10.0	---	---	9.8	9.5	8.8	8.2
27	9.1	7.7	9.1	8.2	10.4	10.1	10.2	9.6	9.8	9.4	9.4	7.7
28	9.2	7.6	9.7	8.9	10.3	9.6	9.8	9.1	9.4	8.5	8.9	8.1
29	8.9	7.4	9.5	9.1	9.6	9.0	9.4	9.0	---	---	8.9	8.1
30	8.4	7.1	9.5	9.1	9.0	8.7	10.0	9.4	---	---	9.2	7.7
31	8.8	7.1	---	---	8.8	8.6	10.1	9.3	---	---	9.1	7.8
MONTH	9.7	7.1	10.0	6.3	11.4	8.2	11.3	7.9	11.0	8.2	9.5	7.7

[illegible]

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 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)
OCT 24...	0640	81341	205	189	186	7.4	7.2	14.0	6.0	7.9	78
NOV 21...	0730	81341	285	133	132	7.2	7.2	13.5	13.0	8.1	80
DEC 19...	0830	81341	390	119	114	7.1	7.1	6.0	-4.0	8.9	73
JAN 09...	0840	81341	760	101	99	6.8	6.9	7.0	5.0	7.9	67
FEB 05...	0845	81341	480	130	125	7.3	6.8	13.5	14.0	8.9	87
MAR 05...	0800	81341	840	84	83	6.9	6.4	15.0	10.0	8.7	88
APR 02...	0710	81341	420	122	117	7.2	7.4	13.0	4.0	9.5	91
MAY 07...	0715	81341	510	96	92	7.0	7.2	16.0	8.0	9.1	94
JUN 04...	0715	81341	510	103	98	7.3	7.3	19.0	17.0	8.0	89
JUL 09...	0715	81341	370	147	143	7.3	7.3	24.0	22.0	7.5	91
AUG 06...	0740	81341	305	172	167	7.3	7.2	24.5	19.0	7.0	86
SEP 03...	0745	81341	225	206	205	7.5	7.7	26.0	22.0	6.0	76

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- PENDE (MG/L) (00530)
OCT 24...	81341	8.0	10	<1.0	39	10
NOV 21...	81341	12	8	1.2	32	13
DEC 19...	81341	17	7	1.6	26	10
JAN 09...	81341	190	42	3.6	22	367
FEB 05...	81341	12	8	<1.0	23	12
MAR 05...	81341	46	13	<1.0	21	46
APR 02...	81341	8.0	5	<1.0	30	10
MAY 07...	81341	30	13	<1.0	23	23
JUN 04...	81341	23	6	<1.0	25	18
JUL 09...	81341	22	10	<1.0	31	22
AUG 06...	81341	13	11	<1.0	34	19
SEP 03...	81341	5.0	12	<1.0	42	6

ALTAMAHA RIVER BASIN

02204520 SOUTH RIVER AT SNAPPING SHOALS, GA.--Continued

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

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 24...	81341	1.49	<.030	--	.30	1.8	.100	3.0
NOV 21...	81341	1.04	<.030	--	.20	1.2	.060	2.0
DEC 19...	81341	.910	<.030	--	.30	1.2	.050	2.0
JAN 09...	81341	.730	.060	1.4	1.5	2.2	.420	4.0
FEB 05...	81341	1.04	.160	.24	.40	1.4	.070	2.0
MAR 05...	81341	.640	.050	.35	.40	1.0	.090	3.0
APR 02...	81341	1.06	<.030	--	.40	1.5	.040	2.0
MAY 07...	81341	.670	.060	--	--	--	.080	2.0
JUN 04...	81341	.700	<.030	--	.30	1.0	.070	2.0
JUL 09...	81341	1.52	.050	.35	.40	1.9	.080	3.0
AUG 06...	81341	1.89	<.030	--	.30	2.2	.070	2.0
SEP 03...	81341	2.15	.040	.36	.40	2.5	.080	2.0

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
OCT 24...	0640	81341	205	20
NOV 21...	0730	81341	285	330
DEC 19...	0830	81341	390	230
JAN 09...	0840	81341	760	17000
FEB 05...	0845	81341	480	130
MAR 05...	0800	81341	840	700
APR 02...	0710	81341	420	20
MAY 07...	0715	81341	510	130
JUN 04...	0715	81341	580	1700
JUL 09...	0715	81341	370	410
16...	0610	81213	310	20
22...	0745	81213	310	130
AUG 06...	0740	81341	305	170
SEP 03...	0745	81341	225	90

ALTAMAHA RIVER BASIN

02204520 SOUTH RIVER AT SNAPPING SHOALS, 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)
SEP 04...	0910	81213	250	213	7.4	26.5	24.0	6.5	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)
SEP 04...	81213	15	2.2	<1.0	<2.0	<.5	<1.0	2.2

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 04...	81213	<1.0	<2.0	<.1	<1.0	<2.0	15

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 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 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 17...	1030	81341	E1050	146	129	6.5	6.5	5.0	-2.0	10.6	84
FEB 05...	0815	81341	530	125	121	7.1	7.2	14.0	14.0	9.1	90
MAR 05...	0730	81341	920	142	125	6.6	6.6	13.0	8.0	9.0	87
APR 02...	0640	81341	460	124	112	7.0	6.9	11.5	1.0	10.2	95
MAY 07...	0650	81341	560	103	93	6.9	6.8	14.0	6.0	9.7	96
JUN 04...	0630	81341	560	91	92	7.3	7.0	19.0	17.0	8.3	92
JUL 09...	0645	81341	410	130	127	7.1	7.1	24.0	21.0	7.9	96
AUG 06...	0645	81341	330	155	149	7.1	7.1	23.0	19.0	7.6	91
SEP 03...	0715	81341	250	206	202	7.2	7.3	23.0	21.0	7.3	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- 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 17...	81341	15	1.3	--	52	--	.670	.390	.020	2.0
FEB 05...	81341	12	1.0	32	28	13	1.08	.080	.060	2.0
MAR 05...	81341	18	1.9	--	51	15	.740	.340	.040	2.0
APR 02...	81341	16	1.0	--	30	9	1.04	<.030	.040	2.0
MAY 07...	81341	29	1.0	26	29	26	.610	.110	.070	2.0
JUN 04...	81341	25	<1.0	30	23	21	.650	<.030	.080	3.0
JUL 09...	81341	21	1.5	32	27	26	1.30	.040	.070	3.0
AUG 06...	81341	10	1.5	36	35	12	1.50	.030	.060	2.0
SEP 03...	81341	6.0	<1.0	44	44	5	1.92	.040	.050	2.0

ALTAMAHA RIVER BASIN

02204810 SOUTH RIVER NEAR SNAPPING SHOALS, 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)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
JAN				
17...	1030	81341	E1050	210
FEB				
05...	0815	81341	530	230
MAR				
05...	0730	81341	920	130
APR				
02...	0640	81341	460	110
MAY				
07...	0650	81341	560	230
JUN				
04...	0630	81341	560	490
JUL				
09...	0645	81341	410	790
16...	0700	81213	E340	80
22...	0900	81213	340	80
AUG				
06...	0645	81341	330	170
SEP				
03...	0715	81341	250	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)
SEP									
04...	1115	81213	E280	192	7.5	25.5	27.0	8.2	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)
SEP								
04...	81213	13	2.1	<1.0	<2.0	<.5	<1.0	2.1

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)
SEP							
04...	81213	<1.0	<2.0	<.1	<1.0	<2.0	8.1

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)
Jan. 9	2015	2,180	8.10	July 24	0245	2,390	8.72
Mar. 1	0715	*4,630	*14.29	Sept. 26	0500	3,780	12.62
Apr. 29	0545	2,170	8.09				

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	142	87	1060	116	196	3920	121	271	669	652	669	65
2	125	554	906	113	179	1100	119	195	260	248	214	66
3	119	240	289	110	244	713	118	1070	187	143	153	65
4	110	114	179	120	494	514	118	1210	143	114	133	62
5	101	97	155	479	423	349	116	364	126	100	114	61
6	98	90	168	343	248	488	231	237	119	96	102	61
7	107	95	171	343	204	292	193	188	148	89	98	59
8	222	1010	153	361	838	226	134	154	147	106	100	60
9	181	605	124	1680	458	208	120	141	123	143	106	57
10	126	227	114	1120	271	199	112	136	114	138	131	54
11	104	151	118	449	237	185	110	121	124	164	137	106
12	89	130	129	285	199	175	276	116	187	224	108	96
13	82	108	338	213	787	223	190	111	154	280	149	76
14	75	106	173	190	970	647	131	107	840	245	163	70
15	75	104	131	169	1500	357	119	128	1140	410	111	67
16	75	98	121	e600	560	231	117	120	301	405	101	65
17	67	99	212	e300	311	196	112	111	350	e260	92	64
18	88	133	169	e220	236	180	104	106	426	e200	105	61
19	98	264	181	e190	208	188	103	107	224	e300	96	61
20	82	143	130	e180	193	199	183	132	174	161	120	58
21	72	116	118	e160	283	177	134	112	157	205	157	55
22	69	120	110	e150	479	167	212	99	221	251	118	58
23	91	113	109	171	229	155	761	98	155	1130	100	62
24	85	101	124	392	189	153	256	96	115	1670	88	81
25	78	103	145	829	170	135	155	113	192	441	82	1820
26	75	285	113	398	225	171	135	110	196	191	72	2750
27	76	150	137	223	466	151	378	137	476	134	72	606
28	76	113	138	689	3230	151	1660	169	292	351	73	779
29	80	100	129	487	---	166	1670	180	161	526	68	688
30	77	105	125	310	---	139	533	416	255	287	65	253
31	76	---	120	229	---	128	---	294	---	744	65	---
TOTAL	3021	5761	6389	11619	14027	12283	8721	6949	8176	10408	3962	8486
MEAN	97.5	192	206	375	501	396	291	224	273	336	128	283
MAX	222	1010	1060	1680	3230	3920	1670	1210	1140	1670	669	2750
MIN	67	87	109	110	170	128	103	96	114	89	65	54
CFSM	.73	1.43	1.54	2.80	3.74	2.96	2.17	1.67	2.03	2.51	.95	2.11
IN.	.84	1.60	1.77	3.23	3.89	3.41	2.42	1.93	2.27	2.89	1.10	2.36

e Estimated

ALTAMAHA RIVER BASIN

02206500 YELLOW RIVER NEAR SNELLVILLE, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1943 - 1997, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	107	156	184	274	324	355	277	182	145	135	101	95.5
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 1996 CALENDAR YEAR		FOR 1997 WATER YEAR		WATER YEARS 1943 - 1997	
ANNUAL TOTAL	109157		99802			
ANNUAL MEAN	298		273		194	
HIGHEST ANNUAL MEAN					383	
LOWEST ANNUAL MEAN					83.7	
HIGHEST DAILY MEAN	5400	Mar 7	3920	Mar 1	8600	Oct 5 1995
LOWEST DAILY MEAN	61	Jul 5	54	Sep 10	1.6	Oct 8 1954
ANNUAL SEVEN-DAY MINIMUM	66	Jul 2	59	Sep 4	1.9	Oct 4 1954
INSTANTANEOUS PEAK FLOW			4630	Mar 1	12800	Oct 5 1995
INSTANTANEOUS PEAK STAGE			14.29	Mar 1	19.75	Oct 5 1995
INSTANTANEOUS LOW FLOW			48	Sep 10		
ANNUAL RUNOFF (CFSM)	2.23		2.04		1.45	
ANNUAL RUNOFF (INCHES)	30.30		27.71		19.68	
10 PERCENT EXCEEDS	517		576		363	
50 PERCENT EXCEEDS	170		151		117	
90 PERCENT EXCEEDS	80		76		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.

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 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)
OCT 24...	0610	81341	115	145	144	7.3	7.3	13.0	6.0	8.0	78
NOV 21...	0630	81341	220	130	126	7.1	7.2	13.0	12.5	8.1	79
DEC 19...	0800	81341	600	108	104	7.0	7.2	6.0	-4.0	8.9	73
JAN 09...	0815	81341	1600	82	80	7.3	6.8	7.0	5.0	10.9	92
FEB 05...	0715	81341	770	116	111	7.2	7.2	13.0	14.0	9.8	95
MAR 11...	0905	81341	840	86	83	7.0	6.9	16.0	20.5	9.1	93
APR 02...	0535	81341	410	113	107	7.2	7.4	13.0	1.0	9.7	93
MAY 06...	1015	81341	1250	67	64	7.0	7.1	17.0	26.0	8.7	91
JUL 09...	0530	81341	780	132	129	7.3	7.4	24.5	21.0	7.7	94
AUG 06...	0530	81341	450	107	103	7.3	7.2	24.0	19.0	7.2	87
SEP 03...	0545	81341	230	186	185	7.4	7.6	24.5	19.0	7.0	86

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- PENDE (MG/L) (00530)
OCT 24...	81341	6.0	9	<1.0	33	5
NOV 21...	81341	17	7	1.0	33	21
DEC 19...	81341	16	9	1.5	25	14
JAN 09...	81341	78	21	2.2	20	119
FEB 05...	81341	22	8	<1.0	28	41
MAR 11...	81341	20	8	<1.0	20	22
APR 02...	81341	8.0	6	<1.0	30	10
MAY 06...	81341	48	--	<1.0	17	46
JUL 09...	81341	39	13	<1.0	35	84
AUG 06...	81341	15	<5	<1.0	29	28
SEP 03...	81341	7.0	11	<1.0	45	10

ALTAMAHA RIVER BASIN

02208005 YELLOW RIVER NEAR STEWART, GA.--Continued

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

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, 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 24...	81341	1.01	<.030	--	.30	1.3	.020	3.0
NOV 21...	81341	.970	<.030	--	.20	1.2	.030	2.0
DEC 19...	81341	1.02	<.030	--	.80	1.8	.030	2.0
JAN 09...	81341	.630	.060	.54	.60	1.2	.160	4.0
FEB 05...	81341	1.22	.030	.27	.30	1.5	.050	2.0
MAR 11...	81341	.740	<.030	--	.20	.94	.050	2.0
APR 02...	81341	.700	<.030	--	.50	1.2	.030	2.0
MAY 06...	81341	.460	.040	.36	.40	.86	.070	3.0
JUL 09...	81341	1.08	.040	.46	.50	1.6	.070	3.0
AUG 06...	81341	.590	<.030	--	.30	.89	.040	3.0
SEP 03...	81341	1.26	<.030	--	.30	1.6	.020	3.0

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
OCT 24...	0610	81341	115	330
NOV 21...	0630	81341	220	330
DEC 19...	0800	81341	600	490
JAN 09...	0815	81341	1600	3100
FEB 05...	0715	81341	770	230
MAR 11...	0905	81341	840	110
APR 02...	0535	81341	410	130
MAY 06...	1015	81341	1250	1300
JUL 09...	0530	81341	780	2300
16...	0745	81213	295	130
22...	1030	81213	315	50
AUG 06...	0530	81341	450	790
SEP 03...	0545	81341	230	790

ALTAMAHA RIVER BASIN

02208005 YELLOW RIVER NEAR STEWART, 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)
SEP 04...	1230	81213	150	199	7.5	25.0	29.0	6.9	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)
SEP 04...	81213	9.6	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)
SEP 04...	81213	<1.0	<2.0	<.1	<1.0	<2.0	5.6

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 fair to good, except those for the periods 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)
Mar. 1	1600	*3,990	*12.05	No other peak greater than base 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	138	93	213	142	254	3210	204	776	374	163	316	e37
2	127	136	450	139	229	2840	193	439	354	170	360	e35
3	119	189	568	134	213	1390	185	410	280	170	310	e33
4	110	203	467	132	202	846	183	881	200	126	161	e32
5	101	145	271	155	213	624	183	774	162	104	125	e31
6	94	140	217	201	218	497	181	601	143	94	105	e30
7	100	130	196	230	223	444	188	350	135	86	91	e28
8	129	197	196	221	342	408	194	269	140	88	85	e27
9	126	260	179	548	420	351	173	231	140	96	78	e27
10	118	294	159	1080	410	323	163	218	124	141	79	28
11	99	209	151	966	321	312	158	186	115	192	90	38
12	90	152	156	710	273	301	168	166	113	120	90	43
13	86	133	223	406	313	284	189	154	123	100	82	44
14	82	125	237	305	593	311	195	144	202	85	84	34
15	82	121	205	259	959	359	168	134	318	79	83	29
16	81	117	173	321	1270	342	155	132	446	74	82	27
17	79	113	173	370	1060	285	148	128	521	78	80	26
18	79	117	182	383	688	264	142	118	620	90	75	24
19	78	133	183	287	465	263	138	117	547	105	73	25
20	80	154	171	251	380	254	162	114	366	95	69	23
21	80	148	157	233	346	249	183	111	244	80	e64	21
22	81	135	144	226	401	240	188	105	189	70	71	20
23	81	129	143	225	431	229	232	100	172	67	74	22
24	80	123	146	220	373	222	273	96	148	153	61	25
25	84	119	149	266	302	217	271	96	165	341	e54	254
26	83	124	147	309	273	240	207	103	148	410	51	908
27	87	132	144	308	278	258	242	110	156	177	48	1160
28	90	127	151	253	485	244	636	113	167	120	46	896
29	93	117	153	276	---	249	922	117	201	186	43	460
30	94	114	149	341	---	237	956	136	184	235	e41	390
31	94	---	144	290	---	220	---	268	---	215	e39	---
TOTAL	2945	4429	6397	10187	11935	16513	7580	7697	7197	4310	3110	4777
MEAN	95.0	148	206	329	426	533	253	248	240	139	100	159
MAX	138	294	568	1080	1270	3210	956	881	620	410	360	1160
MIN	78	93	143	132	202	217	138	96	113	67	39	20
CFSM	.51	.80	1.12	1.78	2.30	2.88	1.37	1.34	1.30	.75	.54	.86
IN.	.59	.89	1.29	2.05	2.40	3.32	1.52	1.55	1.45	.87	.63	.96

e Estimated

ALTAMAHA RIVER BASIN

02208450 ALCOVY RIVER ABOVE COVINGTON, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1972 - 1997, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	166	200	271	369	411	455	347	240	168	138	149	129
MAX	731	604	750	643	836	886	804	585	356	483	450	440
(WY)	1996	1996	1984	1996	1990	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 1996 CALENDAR YEAR		FOR 1997 WATER YEAR		WATER YEARS 1972 - 1997	
ANNUAL TOTAL	108597		87077			
ANNUAL MEAN	297		239		254	
HIGHEST ANNUAL MEAN					397	
LOWEST ANNUAL MEAN					99.4	
HIGHEST DAILY MEAN	3680		3210		6470	
LOWEST DAILY MEAN	56		20		a.56	
ANNUAL SEVEN-DAY MINIMUM	62		23		.73	
INSTANTANEOUS PEAK FLOW			3990		b7620	
INSTANTANEOUS PEAK STAGE			12.05		14.79	
ANNUAL RUNOFF (CFSM)	1.60		1.29		1.37	
ANNUAL RUNOFF (INCHES)	21.84		17.51		18.65	
10 PERCENT EXCEEDS	541		441		510	
50 PERCENT EXCEEDS	179		162		169	
90 PERCENT EXCEEDS	81		71		54	

a Minimum daily discharge may have been less during a period of extensive diversion, June 19 through September 12, 1986.

b Gage height, 14.49 ft.

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 1996 TO SEPTEMBER 1997

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 24...	0545	81341	5.20	59	59	7.2	6.7	12.0	6.0	8.5	81
NOV 21...	0550	81341	5.34	55	58	7.3	6.9	12.5	12.5	8.4	81
DEC 19...	0730	81341	5.68	54	52	7.1	6.9	6.0	-4.0	9.5	78
JAN 09...	0745	81341	6.32	46	44	7.0	6.6	7.5	5.0	8.8	76
FEB 05...	0650	81341	5.67	51	50	7.1	6.9	13.0	14.0	9.2	89
MAR 05...	0620	81341	6.57	38	38	6.7	6.6	16.0	8.0	9.3	96
APR 02...	0515	81341	5.59	51	49	7.1	7.3	13.0	1.0	10.1	97
MAY 07...	0500	81341	6.32	42	40	6.9	6.9	15.0	8.0	9.7	98
JUN 04...	0515	81341	5.82	45	43	7.1	7.1	18.0	17.0	9.1	99
JUL 09...	0500	81341	5.31	59	57	7.3	7.3	24.0	21.0	7.6	92
AUG 06...	0500	81341	5.47	54	52	7.2	7.1	23.0	18.0	7.7	92
SEP 03...	0515	81341	4.98	60	60	7.2	7.2	24.0	19.0	7.5	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)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDE (MG/L) (00530)
OCT 24...	81341	7.0	<1.0	20	3
NOV 21...	81341	8.0	<1.0	20	2
DEC 19...	81341	9.0	1.1	18	3
JAN 09...	81341	110	2.2	12	180
FEB 05...	81341	8.0	<1.0	12	7
MAR 05...	81341	31	<1.0	9	20
APR 02...	81341	8.0	<1.0	18	5
MAY 07...	81341	26	<1.0	13	15
JUN 04...	81341	19	<1.0	15	19
JUL 09...	81341	9.0	<1.0	20	9
AUG 06...	81341	11	<1.0	16	7
SEP 03...	81341	7.0	<1.0	21	4

ALTAMAHA RIVER BASIN

02209260 ALCOVY RIVER ABOVE STEWART, GA.--Continued

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

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 24...	81341	.170	<.030	--	.20	.37	<.020	3.0
NOV 21...	81341	.240	<.030	--	<.10	--	<.020	2.0
DEC 19...	81341	.240	<.030	--	.20	.44	<.020	2.0
JAN 09...	81341	.200	.050	.75	.80	1.0	.160	4.0
FEB 05...	81341	.310	<.030	--	.30	.61	<.020	2.0
MAR 05...	81341	.150	<.030	--	.30	.45	.050	4.0
APR 02...	81341	.240	<.030	--	.20	.44	.020	3.0
MAY 07...	81341	.160	<.030	--	.30	.46	.040	3.0
JUN 04...	81341	.210	<.030	--	.20	.41	.030	3.0
JUL 09...	81341	.300	<.030	--	.20	.50	<.020	3.0
AUG 06...	81341	.220	<.030	--	.20	.42	.020	3.0
SEP 03...	81341	.270	<.030	--	.20	.47	<.020	2.0

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	GAGE HEIGHT (FEET) (00065)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
OCT 24...	0545	81341	5.20	80
NOV 21...	0550	81341	5.34	110
DEC 19...	0730	81341	5.68	330
JAN 09...	0745	81341	6.32	4900
FEB 05...	0650	81341	5.67	65
MAR 05...	0620	81341	6.57	130
APR 02...	0515	81341	5.59	230
MAY 07...	0500	81341	6.32	50
JUN 04...	0515	81341	5.82	120
JUL 09...	0500	81341	5.31	50
16...	0825	81213	5.28	80
22...	1115	81213	5.30	80
AUG 06...	0500	81341	5.47	80
SEP 03...	0515	81341	4.98	50

ALTAMAHA RIVER BASIN

02209260 ALCOVY RIVER ABOVE STEWART, GA.--Continued

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

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)
SEP 04...	1425	81213	5.04	61	7.1	25.5	34.0	7.9	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)
SEP 04...	81213	4.4	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)
SEP 04...	81213	<1.0	<2.0	<.1	<1.0	<2.0	10

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 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 17...	0945	81341	117	39	38	6.4	6.6	3.0	-4.0	11.2	84
FEB 05...	0750	81341	78	43	42	7.0	6.7	14.0	14.0	9.7	96
MAR 05...	0700	81341	145	37	36	6.7	6.5	14.0	11.0	9.7	96
APR 02...	0600	81341	72	43	39	7.0	7.0	10.0	2.0	10.7	96
MAY 07...	0600	81341	96	38	37	6.8	6.7	14.0	10.0	9.9	97
JUN 04...	0600	81341	70	42	40	6.9	6.9	18.0	17.0	9.0	98
JUL 09...	0600	81341	57	46	45	7.0	6.9	23.0	21.0	7.9	94
AUG 06...	0600	81341	31	47	46	7.1	6.8	22.0	18.0	7.9	92
SEP 03...	0615	81341	12	48	47	7.1	6.9	22.0	19.0	7.9	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)
JAN 17...	81341	34	1.1	--	8	--	.250	.070	.040	2.0
FEB 05...	81341	14	<1.0	12	12	14	.280	.060	.020	1.0
MAR 05...	81341	32	<1.0	--	10	28	.220	.050	.040	2.0
APR 02...	81341	10	<1.0	--	15	10	.220	<.030	<.020	2.0
MAY 07...	81341	26	<1.0	12	10	20	.250	.060	.040	1.0
JUN 04...	81341	25	<1.0	14	12	23	.260	<.030	.030	2.0
JUL 09...	81341	24	<1.0	12	14	18	.370	.040	.080	2.0
AUG 06...	81341	18	<1.0	12	14	14	.300	<.030	.020	2.0
SEP 03...	81341	13	<1.0	10	14	9	.220	<.030	<.020	2.0

ALTAMAHA RIVER BASIN

02209750 TUSSAHAW CREEK NEAR JACKSON, 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)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
JAN				
17...	0945	81341	117	790
FEB				
05...	0750	81341	78	310
MAR				
05...	0700	81341	145	80
APR				
02...	0600	81341	72	80
MAY				
07...	0600	81341	96	270
JUN				
04...	0600	81341	70	1100
JUL				
09...	0600	81341	57	2300
16...	0910	81213	57	3500
22...	1215	81213	34	170
AUG				
06...	0600	81341	31	700
SEP				
03...	0615	81341	12	560

DATE	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									
04...	1330	81213	14	48	6.7	24.0	36.0	7.8	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)
SEP								
04...	81213	2.7	1.3	<1.0	<2.0	<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							
04...	81213	<1.0	<2.0	<0.1	<1.0	<2.0	1.3

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.--47 years (1906-15, 1939-60, 1975-82, 1988-97), 1,794 ft³/s, 17.15 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 1996 TO SEPTEMBER 1997
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1140	601	2830	2010	1510	26900	1190	4450	1930	1190	1940	564
2	1110	448	3770	1250	1680	26300	1080	2590	3040	1880	1940	316
3	1030	1440	3830	856	1660	15600	1100	2900	1930	1600	1930	315
4	924	2030	3110	988	1880	9030	1180	5250	1900	647	1930	317
5	902	1920	2040	1220	2400	5310	1350	5850	1880	723	1500	321
6	899	1370	2040	1440	1280	4560	1190	4940	1720	645	585	322
7	1580	937	2030	1910	1730	4120	1190	3770	1140	938	596	326
8	1450	1250	2020	1990	1910	2950	1600	3080	818	853	954	328
9	1860	2040	1900	3250	2600	2860	1440	1430	879	970	522	329
10	689	2040	1170	7690	2600	2660	910	960	1430	1160	541	328
11	926	1920	660	7670	2590	1750	803	1340	932	1120	817	318
12	644	1460	925	5950	2580	924	403	1300	438	902	1110	310
13	500	1010	1150	3070	2300	1570	403	965	588	727	763	310
14	813	665	1510	2050	2390	2520	1560	1240	645	515	773	308
15	1040	667	1500	2170	10200	2500	1950	1040	1760	699	811	491
16	552	350	1500	2640	10900	2490	1860	1150	3240	343	1260	307
17	557	355	1490	2610	8130	1730	1350	940	3550	913	991	302
18	508	1430	1490	2610	5280	796	391	941	3800	1450	548	304
19	445	1450	1490	2600	4180	1080	378	905	3860	917	626	306
20	418	1400	1480	2580	4030	1570	384	1090	3250	719	597	303
21	650	1390	1480	2580	3920	1700	1700	1070	1960	711	595	301
22	416	1230	1480	2580	4020	1340	2300	650	1800	828	868	300
23	734	361	1480	2580	3990	1100	2230	598	857	1560	657	299
24	751	311	1480	2570	3920	1010	1920	555	868	1940	330	300
25	616	355	1480	2570	3640	1000	1360	993	1430	3120	638	1640
26	346	605	1470	2570	2580	1870	1650	795	1340	1980	632	7360
27	348	824	1480	2550	2580	2450	1660	835	1200	1920	567	6780
28	498	1310	1470	2590	3640	1710	11200	1050	1260	1750	430	5940
29	779	979	1470	2500	---	1500	11800	1350	1690	657	354	5500
30	681	1400	1460	2570	---	1520	7340	1520	759	1050	314	3870
31	633	---	1740	2560	---	903	---	1910	---	1940	314	---
TOTAL	24439	33548	54425	84774	100120	133323	64872	57457	51894	36367	26433	39015
MEAN	788	1118	1756	2735	3576	4301	2162	1853	1730	1173	853	1301
MAX	1860	2040	3830	7690	10900	26900	11800	5850	3860	3120	1940	7360
MIN	346	311	660	856	1280	796	378	555	438	343	314	299

ALTAMAHA RIVER BASIN

02210500 OCMULGEE RIVER NEAR JACKSON, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1911 - 1997, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	1098	1402	1630	2368	2765	3416	2410	1655	1271	1272	1003	934
MAX	4805	7493	4427	6735	6220	7434	5949	4073	4496	7089	3002	2842
(WY)	1996	1949	1993	1946	1990	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 1996 CALENDAR YEAR

FOR 1997 WATER YEAR

WATER YEARS 1911 - 1997

ANNUAL TOTAL	819600		706667									
ANNUAL MEAN	2239	†2260	1936	†1936						1768		
HIGHEST ANNUAL MEAN										2996		1912
LOWEST ANNUAL MEAN										866		1955
HIGHEST DAILY MEAN	23800	Mar 8	26900	Mar 1						62900		Jul 6 1994
LOWEST DAILY MEAN	311	Nov 24	299	Sep 23						18		Nov 20 1910
ANNUAL SEVEN-DAY MINIMUM	507	Oct 16	302	Sep 18						75		Nov 19 1954
INSTANTANEOUS PEAK FLOW			31400	Mar 1						68500		Jul 6 1994
INSTANTANEOUS PEAK STAGE			16.39	Mar 1						26.87		Jul 6 1994
ANNUAL RUNOFF (CFSM)	1.58	†1.59	1.36	†1.36						1.25		
ANNUAL RUNOFF (INCHES)	21.47	†21.61	18.51	†18.51						16.92		
10 PERCENT EXCEEDS	3880		3770							3120		
50 PERCENT EXCEEDS	1480		1370							1140		
90 PERCENT EXCEEDS	516		388							516		

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, except those less than 1 ft³/s, which are fair.

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)
Jan. 9	1430	1,200	10.53	Feb. 15	1000	*1,210	*10.55

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	13	6.4	354	32	46	303	25	40	21	13	9.8	.86
2	14	6.8	291	43	42	155	23	31	29	11	8.0	.82
3	18	6.6	75	42	40	99	23	41	24	10	6.7	.76
4	14	5.8	44	35	38	73	22	55	20	8.7	5.8	.69
5	11	6.5	34	91	37	60	22	35	17	7.6	6.7	.61
6	9.1	8.1	30	112	35	59	22	28	16	7.0	4.2	.51
7	12	8.5	28	63	33	51	23	24	15	6.5	3.7	.49
8	35	38	27	66	96	45	21	21	15	6.5	3.5	.46
9	23	47	24	935	117	42	20	20	15	6.4	3.4	.48
10	15	23	22	457	69	41	19	19	14	6.1	3.4	.62
11	12	16	22	161	56	39	18	18	13	5.7	4.8	.71
12	9.8	13	67	92	46	37	19	17	13	5.4	4.6	.60
13	8.9	12	213	68	88	36	20	17	13	5.2	3.9	.51
14	8.3	11	73	56	442	117	18	16	14	4.9	3.6	.41
15	7.9	10	45	50	1060	89	18	15	20	7.1	3.7	.37
16	7.7	9.9	36	240	387	54	17	14	17	16	3.2	.35
17	7.1	9.9	35	163	171	44	17	13	16	32	3.4	.35
18	6.9	11	34	86	109	40	16	13	25	22	12	.35
19	6.9	12	41	65	85	39	16	13	22	12	3.6	.37
20	6.8	13	36	56	71	39	15	13	17	9.5	3.3	.37
21	6.7	13	31	49	182	36	15	14	14	7.9	3.3	.34
22	6.7	15	30	45	715	34	21	13	13	8.7	2.6	.33
23	6.6	14	29	52	250	31	49	13	12	16	2.1	.30
24	6.6	13	29	53	129	29	33	12	11	28	1.7	.60
25	6.8	12	33	116	95	28	22	21	11	57	1.5	139
26	6.3	14	29	76	81	32	21	19	11	18	1.4	333
27	6.3	15	45	55	77	31	33	16	11	12	1.4	116
28	5.5	13	57	61	166	28	227	17	11	13	1.3	392
29	6.4	13	43	65	—	28	176	16	10	15	1.2	195
30	6.2	13	36	57	—	26	63	18	9.6	9.6	1.1	62
31	6.2	—	33	52	—	27	—	18	—	9.6	.96	—
TOTAL	316.7	409.5	1926	3594	4763	1792	1054	640	469.6	397.4	119.86	1249.26
MEAN	10.2	13.6	62.1	116	170	57.8	35.1	20.6	15.7	12.8	3.87	41.6
MAX	35	47	354	935	1060	303	227	55	29	57	12	392
MIN	5.5	5.8	22	32	33	26	15	12	9.6	4.9	.96	.30
CFSM	.14	.19	.86	1.61	2.36	.80	.49	.29	.22	.18	.05	.58
IN.	.16	.21	.99	1.85	2.45	.92	.54	.33	.24	.20	.06	.64

ALTAMAHA RIVER BASIN

02212600 FALLING CREEK NEAR JULIETTE, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1964 - 1997, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	26.6	37.1	70.7	113	144	152	83.4	41.6	24.6	30.3	29.3	12.7
MAX	170	268	230	259	309	393	262	255	81.5	317	150	47.7
(WY)	1965	1993	1965	1978	1979	1971	1975	1976	1966	1994	1994	1992
MIN	.51	3.75	9.46	16.0	30.8	34.5	16.5	7.45	1.27	.95	.034	.74
(WY)	1988	1979	1989	1981	1968	1985	1986	1986	1988	1986	1988	1981

SUMMARY STATISTICS	FOR 1996 CALENDAR YEAR		FOR 1997 WATER YEAR		WATER YEARS 1964 - 1997	
ANNUAL TOTAL	27122.6		16731.32		63.5	
ANNUAL MEAN	74.1		45.8		112	
HIGHEST ANNUAL MEAN					19.6	
LOWEST ANNUAL MEAN					4940	
HIGHEST DAILY MEAN	3370	Mar 7	1060	Feb 15	4940	Jul 6 1994
LOWEST DAILY MEAN	3.2	Jul 4	.30	Sep 23	.01	a
ANNUAL SEVEN-DAY MINIMUM	4.2	Jun 29	.34	Sep 17	.01	Aug 9-16 1988
INSTANTANEOUS PEAK FLOW			1210	Feb 15	7920	Jul 5 1994
INSTANTANEOUS PEAK STAGE			10.55	Feb 15	b23.25	Jul 5 1994
INSTANTANEOUS LOW FLOW			.28	Sep 23	.01	c
ANNUAL RUNOFF (CFSM)	1.03		.63		.88	
ANNUAL RUNOFF (INCHES)	13.97		8.62		11.94	
10 PERCENT EXCEEDS	133		90		114	
50 PERCENT EXCEEDS	19		18		23	
90 PERCENT EXCEEDS	6.3		3.3		3.4	

a Aug 9-22, 29, 30, and Sep 1, 2, 1988.

b From floodmarks.

c Part or all of each day Aug 6-23 and Aug 28 - Sep 3, 1988.

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 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)
OCT 31...	0905	81341	546	130	128	7.5	7.4	19.5	18.5	8.3	91
NOV 21...	0935	81341	1790	122	118	7.3	--	15.0	18.0	9.9	100
DEC 19...	0925	81341	1490	95	91	7.3	7.1	9.5	-1.0	10.2	90
JAN 23...	0905	81341	3110	82	73	7.2	7.0	8.0	15.0	12.1	103
FEB 20...	0905	81341	5330	64	61	7.1	7.0	9.5	16.0	11.6	102
MAR 20...	1000	81341	1550	82	77	7.3	7.4	17.0	19.0	9.4	99
APR 24...	0825	81341	3170	96	93	7.4	--	17.5	13.5	8.9	95
MAY 22...	0855	81341	1720	69	63	7.4	7.3	22.5	21.5	8.2	96
JUN 05...	0950	81341	2460	96	92	7.5	7.5	20.5	19.0	8.3	94
JUL 24...	0845	81341	2030	109	104	7.4	7.2	28.5	30.0	6.6	86
AUG 21...	0840	81341	527	118	117	7.3	7.3	30.0	27.0	6.9	93
SEP 18...	0835	81341	272	130	127	7.5	7.3	27.5	25.0	6.8	87

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 31...	81341	8.0	--	<1.0	32	23
NOV 21...	81341	--	--	--	29	16
DEC 19...	81341	12	--	--	23	7
JAN 23...	81341	30	--	<1.0	18	22
FEB 20...	81341	52	8	<1.0	15	28
MAR 20...	81341	16	9	<1.0	21	6
APR 24...	81341	--	7	--	--	13
MAY 22...	81341	14	10	<1.0	19	10
JUN 05...	81341	11	5	<1.0	24	11
JUL 24...	81341	8.0	11	<1.0	27	12
AUG 21...	81341	12	9	<1.0	26	31
SEP 18...	81341	7.0	14	--	44	13

ALTAMAHA RIVER BASIN

02212950 OCMULGEE RIVER ABOVE MACON, GA.--Continued

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

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 31...	81341	.440	.030	--	--	--	.050	3.0
NOV 21...	81341	.450	<.030	--	--	--	.040	3.0
DEC 19...	81341	.520	<.030	--	--	--	.020	2.0
JAN 23...	81341	.550	.040	--	--	--	.040	2.0
FEB 20...	81341	.410	.050	.35	.40	.81	.050	3.0
MAR 20...	81341	.360	<.030	--	.30	.66	.030	3.0
APR 24...	81341	.540	<.030	--	--	--	.030	2.0
MAY 22...	81341	.420	<.030	--	.20	.62	.020	2.0
JUN 05...	81341	.590	<.030	--	.20	.79	.030	2.0
JUL 24...	81341	.480	<.030	--	.40	.88	.040	3.0
AUG 21...	81341	.960	<.030	--	.40	1.4	.130	3.0
SEP 18...	81341	.980	.160	.34	.50	1.5	.200	3.0

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
OCT 31...	0905	81341	546	50
DEC 19...	0925	81341	1490	50
JAN 23...	0905	81341	3110	50
FEB 20...	0905	81341	5330	1300
MAR 20...	1000	81341	1550	<20
MAY 22...	0855	81341	1720	20
JUN 05...	0950	81341	2460	170
JUL 24...	0845	81341	2030	80
AUG 06...	0825	81213	1950	50
13...	0825	81213	1660	20
21...	0840	81341	527	150
SEP 18...	0835	81341	272	20

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 good to 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.--87 years (water years 1894-1911, 1929-97), 2,717 ft³/s, 16.47 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)
Feb. 16	0930	15,800	18.98	Apr. 29	1600	17,900	19.68
Mar. 2	2115	*30,100	*23.05				

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	2060	824	2390	2040	3170	12900	1310	8100	2540	1130	2350	367
2	1190	713	5670	2250	1770	27200	1650	5090	2720	1720	2280	529
3	1280	556	5090	1450	2090	25000	1540	3600	3550	2170	2180	433
4	1140	1550	4310	1220	2100	14900	1430	4620	2680	1720	2120	343
5	924	2080	2820	1420	2650	8380	1550	7080	2460	887	2100	339
6	987	1800	2010	1940	2440	6140	1740	6590	2370	938	1550	335
7	1130	1470	1990	2280	1670	5550	1620	5470	1990	857	733	343
8	1700	1220	1960	2550	2260	4670	1570	4540	1560	1090	721	335
9	1700	1810	1900	7900	3500	3750	1940	3500	1210	1050	1030	335
10	1630	2130	1630	9870	3660	e3550	1760	1900	1260	1140	700	334
11	873	1960	1140	11100	3390	e3300	1300	1490	1910	1240	696	336
12	1110	1660	773	8510	3220	2010	1180	1840	1170	1080	1050	331
13	828	1430	1830	6260	3290	1530	875	1820	775	931	1250	314
14	655	1090	1670	3380	4920	2710	829	1410	941	839	882	304
15	927	728	1640	2680	11500	3230	1860	1660	1200	654	911	295
16	1140	725	1510	3750	15300	3080	2540	1410	2760	786	936	425
17	746	579	1460	4480	12000	2990	2060	1530	3940	600	1310	356
18	701	501	1490	3820	8980	1910	1660	1280	4580	1660	1080	275
19	663	1370	1510	3420	6010	1440	823	1260	4630	1630	701	267
20	582	1470	1700	3240	5330	1690	717	1220	4480	1080	707	284
21	557	1510	1690	3130	5250	2070	735	1410	3430	949	705	280
22	714	1470	1660	3080	8730	2020	2240	1410	2470	899	667	271
23	596	1290	1650	3120	7260	1650	3020	980	2030	1130	880	282
24	761	624	1660	3140	5950	1540	2630	902	1230	1980	721	313
25	854	529	1670	3550	5370	1360	2770	1210	1390	2590	472	599
26	736	547	1650	3610	4590	1340	1690	1510	1660	3360	584	5610
27	553	750	1700	3320	3760	2420	2220	1220	1740	2260	663	9600
28	450	889	1870	3250	4030	2770	6620	1220	1450	2230	611	8460
29	576	1320	1880	3310	---	1780	16800	1420	1740	2160	500	7570
30	770	1100	1790	3220	---	1950	13000	1760	1860	1040	470	6440
31	779	---	1730	3250	---	1890	---	2270	---	1540	362	---
TOTAL	29312	35695	63443	119540	144190	156720	81679	80722	67726	43340	31922	46305
MEAN	946	1190	2047	3856	5150	5055	2723	2604	2258	1398	1030	1544
MAX	2060	2130	5670	11100	15300	27200	16800	8100	4630	3360	2350	9600
MIN	450	501	773	1220	1670	1340	717	902	775	600	362	267

e Estimated

ALTAMAHA RIVER BASIN

02213000 OCMULGEE RIVER AT MACON, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1911 - 1997, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	1425	1731	2579	3805	4582	5417	4222	2626	1862	1806	1504	1164
MAX	6405	9624	7222	11880	10220	16370	14610	7305	7142	12880	5054	3886
(WY)	1930	1949	1984	1936	1961	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 1996 CALENDAR YEAR		FOR 1997 WATER YEAR		WATER YEARS 1911 - 1997	
ANNUAL TOTAL	1045264		900594			
ANNUAL MEAN	2856		2467		2688	
HIGHEST ANNUAL MEAN	†2877		†2467		4770	
LOWEST ANNUAL MEAN					1122	
HIGHEST DAILY MEAN	26800		27200		97000	
LOWEST DAILY MEAN	450		267		128	
ANNUAL SEVEN-DAY MINIMUM	583		282		139	
INSTANTANEOUS PEAK FLOW			30100		107000	
INSTANTANEOUS PEAK STAGE			23.05		35.40	
ANNUAL RUNOFF (CFSM)	1.27		1.10		1.20	
ANNUAL RUNOFF (INCHES)	17.36		14.96		16.31	
10 PERCENT EXCEEDS	5230		5150		5210	
50 PERCENT EXCEEDS	1700		1650		1680	
90 PERCENT EXCEEDS	669		578		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, 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)
Jan. 9	1030	*2,160	*9.98	No other peak greater than base 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	40	33	451	191	134	476	116	190	149	64	157	e19
2	43	61	363	104	129	171	106	190	287	62	111	e19
3	44	38	254	113	154	297	99	165	190	60	95	e19
4	49	29	152	99	127	294	94	162	170	60	89	e19
5	40	e20	121	259	133	159	90	139	169	60	85	e17
6	34	e15	115	181	124	157	90	122	160	61	80	17
7	256	e15	150	119	101	151	91	111	144	60	75	16
8	216	258	53	342	228	143	91	101	123	56	69	15
9	e15	32	36	1730	129	138	87	96	105	53	64	15
10	e15	31	32	1020	179	138	87	94	90	51	62	15
11	e15	65	61	176	140	139	85	89	83	50	55	14
12	e15	63	160	347	124	141	82	85	77	47	48	14
13	e15	44	443	221	365	140	84	81	74	46	42	14
14	e15	47	353	115	565	150	81	76	74	44	39	14
15	e15	62	143	154	1720	542	73	73	74	43	38	14
16	e15	46	119	569	857	104	70	73	74	41	35	14
17	e15	36	177	242	211	86	71	70	76	41	33	14
18	e15	33	145	252	581	78	72	66	136	38	32	14
19	e15	41	73	221	232	79	70	62	186	36	33	13
20	e15	57	58	127	198	82	67	62	144	35	31	13
21	e15	183	106	156	344	90	65	63	119	34	31	13
22	e15	41	86	150	1430	131	65	63	102	37	31	14
23	e15	28	78	162	664	116	108	63	89	36	29	14
24	e15	21	101	208	167	107	126	65	80	36	28	14
25	e15	18	79	243	618	103	108	68	72	40	27	19
26	e15	53	59	135	166	103	106	74	69	77	27	20
27	e35	51	114	168	168	104	207	90	67	80	26	19
28	37	40	99	299	313	103	460	131	67	147	26	20
29	37	39	114	176	---	100	258	142	64	109	e23	33
30	35	38	86	135	---	105	254	126	63	99	e19	115
31	36	---	88	179	---	156	---	130	---	128	e19	---
TOTAL	1172	1538	4469	8593	10301	4883	3463	3122	3377	1831	1559	590
MEAN	37.8	51.3	144	277	368	158	115	101	113	59.1	50.3	19.7
MAX	256	258	451	1730	1720	542	460	190	287	147	157	115
MIN	15	15	32	99	101	78	65	62	63	34	19	13
CFSM	.21	.28	.79	1.52	2.02	.87	.63	.55	.62	.32	.28	.11
IN.	.24	.31	.91	1.76	2.11	1.00	.71	.64	.69	.37	.32	.12

e Estimated

ALTAMAHA RIVER BASIN

02213500 TOBESOFKEE CREEK NEAR MACON, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1937 - 1997, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	67.4	106	200	287	362	425	309	176	105	120	88.6	60.3
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 1996 CALENDAR YEAR		FOR 1997 WATER YEAR		WATER YEARS 1937 - 1997	
ANNUAL TOTAL	59493.8		44898		191	
ANNUAL MEAN	163		123		349	
HIGHEST ANNUAL MEAN					78.4	
LOWEST ANNUAL MEAN					1964	
HIGHEST DAILY MEAN	4440	Mar 8	1730	Jan 9	13000	Jul 6 1994
LOWEST DAILY MEAN	7.6	a	13	Sep 19-21	2.5	Oct 9 1954
ANNUAL SEVEN-DAY MINIMUM	7.6	Jun 26-28	14	Sep 15	3.1	Oct 3 1954
INSTANTANEOUS PEAK FLOW			2160	Jan 9	b54000	Jul 6 1994
INSTANTANEOUS PEAK STAGE			9.98	Jan 9	c39.50	Jul 6 1994
INSTANTANEOUS LOW FLOW					2.3	Oct 10 1954
ANNUAL RUNOFF (CFSM)	.89		.68		1.05	
ANNUAL RUNOFF (INCHES)	12.16		9.18		14.28	
10 PERCENT EXCEEDS	315		230		369	
50 PERCENT EXCEEDS	63		80		93	
90 PERCENT EXCEEDS	8.0		15		29	

a Many days

b From rating curve extended above 7,300 ft³/s on basis of slope-area measurement of peak flow at bridge 1.0 mi downstream.

c 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-Twiggs 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, 14.74 ft, Mar. 3; minimum daily discharge, 351 ft³/s, Sept. 23.

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	2110	1010	1510	2170	---	---	1870	---	2670	1560	2380	443
2	1840	902	---	2640	---	---	1930	---	2850	1510	2710	440
3	1440	830	---	2660	2670	---	1730	---	3230	2120	2580	610
4	1410	904	---	1800	2780	---	1850	---	3380	2180	2370	475
5	1260	1890	---	1700	2800	---	1690	---	3090	1370	2250	421
6	1140	2020	---	2200	3180	---	1930	---	2830	1080	2120	408
7	1150	1620	2830	2690	2700	---	1870	---	2650	1080	1260	404
8	1820	1480	2600	3150	2590	---	1800	---	1980	1070	963	407
9	1930	1690	2460	---	3030	---	2020	---	1630	1240	995	406
10	2260	2370	2260	---	---	---	1990	---	1480	1210	1100	414
11	1500	2290	1700	---	---	---	1700	2090	1620	1310	875	422
12	1120	2060	1400	---	---	---	1450	1920	1890	1220	978	422
13	1290	1670	1590	---	---	2570	1370	2100	1160	1160	1260	416
14	902	1450	2210	---	---	2510	1120	1740	1040	988	1160	401
15	882	1150	2420	---	---	---	1460	1670	1190	923	1050	389
16	1190	934	2340	---	---	---	2080	1590	1800	802	1150	384
17	1080	949	2060	---	---	---	2530	1670	3010	906	1250	514
18	872	760	1940	---	---	3350	1970	1490	---	941	1290	413
19	851	995	2010	---	---	2200	1470	1410	---	1860	1130	362
20	786	1560	2080	---	---	2180	994	1380	---	1250	834	355
21	735	1570	2160	---	---	2320	927	1450	---	1190	868	365
22	709	1660	2060	---	---	2490	1370	1520	---	995	827	356
23	865	1600	2030	---	---	2250	2570	1390	2890	1120	827	351
24	730	1270	2000	---	---	1890	3030	1140	1850	1470	965	364
25	936	846	2020	---	---	1860	2790	1390	1480	2210	813	441
26	942	773	2020	---	---	1750	2760	1740	1920	2870	567	1630
27	846	799	1990	---	---	2150	2230	1740	1700	2940	723	---
28	675	1000	2100	---	---	2880	2810	1540	2050	2510	743	---
29	636	1270	2260	---	---	2910	---	1580	1730	2590	697	---
30	735	1370	2230	---	---	2150	---	1860	2170	1870	588	---
31	946	---	2140	---	---	2340	---	2120	---	1430	508	---
TOTAL	35588	40692	---	---	---	---	---	---	---	46975	37831	---
MEAN	1148	1356	---	---	---	---	---	---	---	1515	1220	---
MAX	2260	2370	---	---	---	---	---	---	---	2940	2710	---
MIN	636	760	---	---	---	---	---	---	---	802	508	---

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 September 1995.

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.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 267 microsiemens Sept. 23; minimum, 54 microsiemens Mar. 3, 4.

pH: Maximum recorded, 7.7 units Apr. 5; minimum recorded, 6.8 units Feb. 3, 4, 5, 7, Sept. 29, 30.

WATER TEMPERATURE: Maximum, 31.5°C Aug. 20, 31; minimum, 4.5 °C Jan. 19.

DISSOLVED OXYGEN: Maximum recorded, 11.3 mg/L Dec. 23; minimum, 5.4 mg/L Sept. 4, 18.

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)
OCT 31...	0820	81341	1060	178	175	7.4	7.3	21.0	13.0	7.4	90
NOV 21...	0850	81341	1460	132	127	7.2	--	15.0	16.5	8.8	96
DEC 19...	0850	81341	2030	118	114	7.2	7.1	9.0	-0.5	9.5	83
JAN 23...	0830	81341	3600	92	89	7.1	6.7	8.5	10.5	10.5	99
FEB 20...	0830	81341	--	74	71	7.1	6.8	11.0	13.0	9.7	96
MAR 20...	0905	81341	2220	108	100	7.1	7.3	17.0	18.0	8.0	90
APR 24...	0745	81341	3020	107	103	7.3	--	19.0	11.0	7.8	102
MAY 22...	0800	81341	1590	108	103	7.2	7.2	24.0	19.0	6.6	84
JUN 05...	0835	81341	3150	111	106	7.3	7.3	21.0	18.5	7.7	88
JUL 24...	0730	81341	1260	131	123	7.2	7.3	29.0	26.5	6.3	83
AUG 21...	0755	81341	937	170	168	7.3	7.4	30.0	25.0	6.1	82
SEP 18...	0755	81341	429	205	197	7.4	7.2	26.5	20.0	5.5	79

ALTAMAHA RIVER BASIN

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

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

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 31...	81341	5	3.0	11	1.1	35	14
NOV 21...	81341	--	--	8	--	26	9
DEC 19...	81341	30	16	9	--	25	15
JAN 23...	81341	110	32	14	1.0	30	28
FEB 20...	81341	30	50	16	<1.0	13	34
MAR 20...	81341	45	22	11	<1.0	20	19
APR 24...	81341	--	--	9	--	--	--
MAY 22...	81341	--	21	12	<1.0	24	16
JUN 05...	81341	25	20	11	<1.0	25	29
JUL 24...	81341	35	8.0	8	<1.0	26	11
AUG 21...	81341	10	8.0	14	<1.0	34	13
SEP 18...	81341	5	1.0	11	--	33	<1

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 31...	81341	1.28	<.030	--	.30	1.6	.120	3.0
NOV 21...	81341	.860	.030	5.4	5.4	6.3	.070	3.0
DEC 19...	81341	.960	<.030	--	.70	1.7	.070	3.0
JAN 23...	81341	.690	.040	.36	.40	1.1	.080	3.0
FEB 20...	81341	.500	.040	.36	.40	.90	.060	3.0
MAR 20...	81341	.800	.080	.32	.40	1.2	.100	3.0
APR 24...	81341	.840	.040	--	--	--	.070	2.0
MAY 22...	81341	.880	.080	.32	.40	1.3	.110	3.0
JUN 05...	81341	.830	.040	.36	.40	1.2	.090	3.0
JUL 24...	81341	.850	<.030	--	.30	1.1	.100	3.0
AUG 21...	81341	.350	<.030	--	.40	.75	.060	4.0
SEP 18...	81341	.220	<.030	--	.20	.42	<.020	2.0

ALTAMAHA RIVER BASIN

02213700 OCMULGEE RIVER NEAR WARNER ROBINS, 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)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
OCT 31...	0820	81341	1060	110
DEC 19...	0850	81341	2030	110
JAN 23...	0830	81341	3600	70
FEB 20...	0830	81341	--	170
MAR 20...	0905	81341	2220	90
MAY 22...	0800	81341	1590	110
JUN 05...	0835	81341	3150	170
AUG 06...	0740	81213	2190	170
13...	0745	81213	1200	<20
21...	0755	81341	937	230
SEP 18...	0755	81341	429	<20

ALTAMAHA RIVER BASIN

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

SPECIFIC CONDUCTANCE, US/CM @ 25 DEGREES CELSIUS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	129	111	177	144	145	131	121	113	99	96	84	76
2	126	117	169	146	131	104	117	112	100	96	76	67
3	134	126	166	155	109	101	115	110	112	97	69	54
4	141	129	175	145	113	109	129	114	101	95	57	54
5	140	125	---	---	115	111	132	121	104	96	61	57
6	146	134	---	---	119	114	121	110	105	97	64	61
7	143	133	---	---	122	114	114	106	107	98	65	63
8	143	123	---	---	119	114	110	103	116	105	68	65
9	123	116	---	---	118	109	110	84	112	96	72	68
10	121	114	---	---	117	112	84	73	102	93	73	69
11	141	117	---	---	131	117	85	74	99	96	79	71
12	145	135	---	---	130	123	87	83	99	96	86	78
13	154	134	---	---	---	---	88	86	101	97	95	86
14	148	137	---	---	---	---	89	86	101	94	105	92
15	153	141	---	---	---	---	93	89	96	74	93	84
16	155	139	---	---	---	---	96	90	75	68	88	81
17	151	143	---	---	---	---	91	79	75	72	84	78
18	161	149	178	161	---	---	82	79	73	71	92	84
19	166	154	185	153	---	---	85	82	73	72	114	92
20	166	159	156	122	---	---	88	85	74	72	114	106
21	166	157	142	123	---	---	90	88	75	74	109	99
22	178	158	147	128	---	---	91	87	77	70	110	98
23	181	154	144	131	116	112	92	89	70	66	108	98
24	178	158	141	129	116	111	93	90	71	67	118	101
25	172	150	157	141	119	114	93	91	76	71	123	104
26	167	149	163	150	117	111	94	88	79	75	128	108
27	165	152	166	156	118	114	91	88	81	79	128	100
28	176	152	166	157	120	113	94	89	84	81	105	92
29	182	170	164	135	117	111	95	91	---	---	99	94
30	185	168	139	132	115	112	95	90	---	---	117	97
31	191	154	---	---	119	114	96	93	---	---	108	96
MONTH	191	111	185	122	145	101	132	73	116	66	128	54

ALTAMAHA RIVER BASIN

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

SPECIFIC CONDUCTANCE, US/CM @ 25 DEGREES CELSIUS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

[illegible]

ALTAMAHA RIVER BASIN

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

PH, WATER, WHOLE, FIELD, STANDARD UNITS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	7.2	7.2	7.5	7.4	7.3	7.2	7.2	7.2	7.1	7.1	7.1	7.0
2	7.2	7.2	7.4	7.4	7.3	7.2	7.2	7.2	7.1	7.1	7.2	7.1
3	7.2	7.1	7.4	7.2	7.3	7.1	7.2	7.2	7.1	6.8	7.2	7.1
4	7.2	7.2	7.3	7.2	7.2	7.1	7.2	7.2	6.9	6.8	7.2	7.1
5	7.3	7.2	—	—	7.2	7.1	7.3	7.2	6.9	6.8	7.2	7.1
6	7.3	7.2	—	—	7.2	7.1	7.3	7.2	7.0	6.9	7.2	7.1
7	7.3	7.2	—	—	7.2	7.2	7.2	7.2	7.0	6.8	7.2	7.0
8	7.2	7.1	—	—	7.2	7.2	7.2	7.1	7.0	6.9	7.1	6.9
9	7.1	7.0	—	—	7.2	7.2	7.1	7.1	7.0	6.9	7.1	6.9
10	7.1	7.0	—	—	7.2	7.2	7.1	7.0	6.9	6.9	7.1	7.0
11	7.1	7.0	—	—	7.2	7.2	7.0	7.0	7.0	6.9	7.1	7.0
12	7.2	7.1	—	—	7.2	7.2	7.1	7.0	7.0	6.9	7.1	7.0
13	7.3	7.2	—	—	—	—	7.1	7.1	6.9	6.9	7.1	7.0
14	7.2	7.1	—	—	—	—	7.1	7.1	6.9	6.9	7.1	7.0
15	7.3	7.2	—	—	—	—	7.1	7.1	6.9	6.9	7.1	7.1
16	7.3	7.3	—	—	—	—	7.1	7.1	7.1	6.9	7.1	7.1
17	7.3	7.2	—	—	—	—	7.1	7.1	7.1	6.9	7.2	7.1
18	7.3	7.2	7.5	7.2	—	—	7.1	7.1	7.1	6.9	7.3	7.1
19	7.3	7.2	7.6	7.3	—	—	7.1	7.1	7.1	6.9	7.2	7.1
20	7.3	7.2	7.5	7.3	—	—	7.2	7.1	7.1	7.0	7.3	7.1
21	7.3	7.2	7.3	7.2	—	—	7.2	7.1	7.1	7.0	7.5	7.1
22	7.3	7.2	7.3	7.2	—	—	7.2	7.1	7.2	7.1	7.4	7.2
23	7.3	7.2	7.3	7.2	7.3	7.3	7.2	7.1	7.2	7.2	7.3	7.1
24	7.3	7.2	7.3	7.3	7.3	7.2	7.1	7.1	7.2	7.0	7.3	7.1
25	7.3	7.2	7.3	7.2	7.2	7.2	7.1	7.1	7.1	7.1	7.4	7.2
26	7.3	7.2	7.2	7.2	7.2	7.2	7.1	7.1	7.1	6.9	7.3	7.1
27	7.4	7.3	7.3	7.2	7.2	7.2	7.1	7.1	7.1	7.0	7.3	7.1
28	7.4	7.3	7.3	7.2	7.2	7.2	7.1	7.1	7.1	7.0	7.3	7.2
29	7.4	7.3	7.3	7.2	7.2	7.2	7.1	7.1	—	—	7.4	7.2
30	7.4	7.3	7.2	7.2	7.2	7.2	7.1	7.1	—	—	7.3	7.1
31	7.4	7.3	—	—	7.2	7.2	7.1	7.1	—	—	7.2	7.1
MONTH	7.4	7.0	7.6	7.2	7.3	7.1	7.3	7.0	7.2	6.8	7.5	6.9

ALTAMAHA RIVER BASIN

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

PH, WATER, WHOLE, FIELD, STANDARD UNITS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

[illegible]

ALTAMAHA RIVER BASIN

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

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	21.5	20.5	20.5	20.0	13.0	11.0	12.0	11.5	9.0	8.5	15.0	14.0
2	21.0	20.5	20.0	18.5	13.0	12.5	11.5	11.5	10.0	9.0	16.5	14.5
3	22.0	21.0	18.5	15.5	12.5	11.0	12.0	11.5	11.0	10.0	17.0	16.5
4	22.5	22.0	15.5	14.5	11.0	10.5	13.0	12.0	12.0	11.0	17.5	16.5
5	22.0	20.0	—	—	11.0	10.5	14.0	13.0	12.5	11.5	17.5	17.0
6	20.0	19.0	—	—	11.0	10.5	14.0	13.0	12.0	11.0	17.5	16.5
7	19.0	18.0	—	—	12.5	11.0	13.0	11.5	11.5	10.5	16.5	15.5
8	18.5	17.5	—	—	12.5	11.5	11.5	9.5	12.0	11.5	16.0	15.0
9	19.5	18.0	—	—	11.5	10.0	9.5	8.0	11.5	10.5	17.0	15.5
10	19.5	19.0	—	—	10.0	9.5	8.0	7.5	10.5	9.5	17.5	16.0
11	19.0	18.5	—	—	11.0	9.5	8.0	7.5	10.0	9.5	18.0	17.0
12	18.5	18.0	—	—	12.5	11.0	7.5	7.0	9.5	9.0	18.0	17.0
13	18.5	17.5	—	—	—	—	7.5	7.0	9.0	8.5	18.0	17.0
14	18.5	17.5	—	—	—	—	7.5	7.0	8.5	8.0	17.5	17.0
15	19.0	18.0	—	—	—	—	8.0	7.0	9.0	8.0	17.5	16.5
16	19.0	18.5	—	—	—	—	9.0	8.0	9.5	8.5	16.5	15.0
17	20.0	18.5	—	—	—	—	8.5	6.0	9.5	8.5	16.0	14.5
18	20.5	19.0	14.0	12.0	—	—	6.0	5.0	9.5	9.0	16.5	15.0
19	19.0	17.5	15.0	13.5	—	—	5.5	4.5	10.5	9.5	17.0	16.5
20	17.5	16.0	14.5	14.0	—	—	6.0	5.0	11.0	10.5	17.5	16.5
21	17.0	16.0	15.5	14.5	—	—	7.0	5.5	12.5	11.0	18.0	17.5
22	18.0	16.0	15.0	14.0	—	—	8.0	6.5	13.5	12.5	18.5	17.5
23	18.5	17.0	14.0	13.0	7.5	6.0	9.5	8.0	13.0	11.5	18.5	17.5
24	18.0	16.5	13.0	12.5	9.0	7.5	9.5	9.0	11.5	11.0	18.5	17.5
25	17.5	16.5	14.0	13.0	9.5	8.5	10.0	9.0	11.5	11.0	18.5	17.0
26	18.5	17.0	14.5	13.5	9.0	8.5	9.5	8.5	12.0	11.0	19.0	18.0
27	19.5	18.5	13.5	11.5	8.5	8.5	9.0	8.0	13.0	12.0	19.0	18.0
28	21.0	19.5	11.5	10.5	9.0	8.5	9.5	8.5	14.0	13.0	18.0	17.5
29	22.0	20.0	10.5	10.0	10.5	9.0	9.5	9.0	—	—	19.0	17.5
30	22.0	21.0	11.0	10.0	11.5	10.5	9.0	8.5	—	—	20.5	19.0
31	21.5	20.0	—	—	12.0	11.5	9.0	8.0	—	—	20.0	19.0
MONTH	22.5	16.0	20.5	10.0	13.0	6.0	14.0	4.5	14.0	8.0	20.5	14.0

ALTAMAHA RIVER BASIN

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

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

[illegible]

ALTAMAHA RIVER BASIN

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

OXYGEN DISSOLVED (MG/L), WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	7.8	7.6	7.8	7.5	10.1	9.4	10.0	9.8	10.6	10.4	9.3	9.0
2	7.7	7.5	7.8	7.6	9.5	8.8	10.0	9.9	10.4	9.9	9.1	7.8
3	7.5	7.4	8.3	7.8	9.3	8.8	9.9	9.4	10.2	9.5	7.8	7.3
4	7.4	7.3	8.8	8.3	9.6	9.3	9.4	9.1	10.2	9.8	7.6	7.3
5	7.5	7.3	--	--	9.6	9.3	9.3	8.9	10.0	9.6	7.7	7.4
6	7.9	7.5	--	--	9.4	9.2	9.4	9.0	10.1	9.8	8.0	7.6
7	8.1	7.9	--	--	9.4	9.3	9.8	9.4	10.0	9.8	8.6	7.9
8	8.2	8.0	--	--	9.4	9.2	10.3	9.8	9.9	9.6	8.7	8.4
9	8.0	7.5	--	--	9.9	9.4	10.6	10.3	10.0	9.6	8.5	8.2
10	7.8	7.6	--	--	10.2	9.9	10.4	10.0	10.2	10.0	8.2	8.0
11	7.8	7.7	--	--	10.2	9.8	10.1	9.9	10.3	10.1	8.0	7.9
12	8.1	7.7	--	--	9.9	9.3	10.6	10.1	10.4	10.1	7.9	7.7
13	8.5	8.1	--	--	--	--	10.7	10.6	10.4	10.2	7.7	7.5
14	8.3	8.0	--	--	--	--	10.7	10.4	10.4	10.3	7.9	7.6
15	8.2	8.0	--	--	--	--	10.4	10.3	10.4	10.0	8.1	7.9
16	8.3	8.1	--	--	--	--	10.3	10.0	10.0	9.7	8.6	8.1
17	8.3	7.9	--	--	--	--	10.5	10.0	10.0	9.7	8.7	8.4
18	7.9	7.7	9.3	9.0	--	--	11.0	10.5	10.2	9.9	8.8	8.2
19	8.1	7.8	9.1	8.7	--	--	11.1	10.9	10.1	9.9	8.5	7.8
20	8.4	8.1	9.1	9.0	--	--	11.1	10.9	9.9	9.7	8.0	7.8
21	8.6	8.3	9.1	8.7	--	--	11.0	10.8	9.8	9.4	8.0	7.4
22	8.5	8.1	8.9	8.7	--	--	10.9	10.6	9.4	9.0	8.1	7.1
23	8.5	8.1	9.3	8.9	11.3	11.0	10.6	10.3	9.3	8.8	8.0	7.0
24	8.3	8.1	9.3	9.0	11.0	10.5	10.3	10.2	9.7	9.3	8.1	7.1
25	8.7	8.3	9.0	8.8	10.5	10.3	10.3	10.2	9.8	9.6	8.4	7.6
26	8.6	8.3	8.8	8.6	10.7	10.4	10.4	10.2	9.9	9.6	8.1	7.7
27	8.4	8.0	9.3	8.7	10.8	10.7	10.7	10.4	9.6	9.3	8.2	7.3
28	8.0	7.6	9.9	9.3	10.8	10.6	10.6	10.3	9.3	9.1	7.9	7.5
29	7.6	7.3	10.2	9.8	10.6	10.2	10.3	10.2	--	--	8.6	7.9
30	7.4	7.3	10.3	9.9	10.2	10.0	10.5	10.2	--	--	8.3	7.6
31	7.6	7.3	--	--	10.0	9.9	10.6	10.4	--	--	7.9	7.3
MONTH	8.7	7.3	10.3	7.5	11.3	8.8	11.1	8.9	10.6	8.8	9.3	7.0

ALTAMAHA RIVER BASIN

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

OXYGEN DISSOLVED (MG/L), WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

[illegible]

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)
Jan. 11	0500	1,500	9.66	Feb. 23	0800	*4,060	*13.48
Feb. 16	1500	1,770	10.25	May 29	0700	1,390	9.40

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	53	19	42	50	204	384	87	288	198	191	267	12
2	49	20	90	81	171	336	79	139	192	125	309	12
3	56	24	115	104	148	299	71	111	288	110	198	11
4	54	29	109	106	135	270	67	162	307	90	123	10
5	41	30	70	87	127	241	64	420	239	72	139	9.8
6	32	28	57	83	120	215	61	487	166	77	111	9.0
7	31	27	53	91	114	194	60	174	133	84	77	8.4
8	67	38	60	117	113	181	57	103	119	78	69	7.9
9	95	70	57	312	114	169	53	83	107	71	60	7.3
10	81	83	49	1190	114	159	48	88	96	60	52	7.1
11	49	63	44	1380	110	155	44	98	84	51	58	7.6
12	35	41	42	749	106	150	44	86	77	42	56	8.0
13	29	34	44	345	111	142	48	71	75	37	50	7.9
14	26	32	47	243	204	165	45	64	74	33	54	7.7
15	23	31	45	197	737	203	41	56	98	32	44	7.3
16	21	29	42	186	1640	233	38	52	152	30	58	6.8
17	20	28	41	202	1220	170	37	46	160	32	56	6.7
18	19	27	45	266	650	138	34	39	131	43	67	6.6
19	19	29	63	224	394	127	32	35	150	46	59	8.1
20	18	33	76	165	307	126	31	33	131	32	44	8.0
21	17	33	75	143	278	127	31	33	102	26	35	8.0
22	17	35	62	131	1680	122	31	32	81	23	28	7.8
23	16	33	55	127	3540	113	47	31	69	26	23	7.7
24	16	30	51	127	1680	104	63	33	76	30	20	8.4
25	16	29	54	161	963	95	58	55	85	41	17	12
26	16	30	55	192	700	96	50	189	121	95	16	35
27	16	30	52	217	587	98	83	347	128	169	14	79
28	17	31	50	166	464	97	148	597	129	132	15	104
29	17	31	49	144	---	94	278	1340	187	76	12	102
30	18	30	48	160	---	94	488	835	213	74	13	93
31	18	---	47	181	---	92	---	343	---	154	14	---
TOTAL	1002	1027	1789	7927	16731	5189	2318	6470	4168	2182	2158	626.1
MEAN	32.3	34.2	57.7	256	598	167	77.3	209	139	70.4	69.6	20.9
MAX	95	83	115	1380	3540	384	488	1340	307	191	309	104
MIN	16	19	41	50	106	92	31	31	69	23	12	6.6
CFSM	.20	.21	.35	1.57	3.67	1.03	.47	1.28	.85	.43	.43	.13
IN.	.23	.23	.41	1.81	3.82	1.18	.53	1.48	.95	.50	.49	.14

ALTAMAHA RIVER BASIN

02215100 TUCSAWHATCHEE CREEK NEAR HAWKINSVILLE, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1986 - 1997, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	53.8	81.5	136	330	384	398	161	83.3	89.7	114	71.3	34.2
MAX	320	242	356	871	648	831	469	311	225	592	312	87.4
(WY)	1995	1993	1995	1987	1995	1993	1993	1991	1989	1994	1991	1994
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 1996 CALENDAR YEAR

FOR 1997 WATER YEAR

WATER YEARS 1986 - 1997

ANNUAL TOTAL	43313		51587.1			
ANNUAL MEAN	118		141		164	
HIGHEST ANNUAL MEAN					243	1993
LOWEST ANNUAL MEAN					56.3	1988
HIGHEST DAILY MEAN	1190	Mar 9	3540	Feb 23	5000	Jul 7 1994
LOWEST DAILY MEAN	10	Sep 15	6.6	Sep 18	1.1	Jul 23 1986
ANNUAL SEVEN-DAY MINIMUM	12	Sep 10	7.3	Sep 12	1.4	Jul 20 1986
INSTANTANEOUS PEAK FLOW			4060	Feb 23	5960	Jul 7 1994
INSTANTANEOUS PEAK STAGE			13.48	Feb 23	15.17	Jul 7 1994
INSTANTANEOUS LOW FLOW			6.5	Sep 16-18	1.1	Jul 23 1986
ANNUAL RUNOFF (CFSM)	.73		.87		1.00	
ANNUAL RUNOFF (INCHES)	9.88		11.77		13.64	
10 PERCENT EXCEEDS	276		268		369	
50 PERCENT EXCEEDS	55		67		61	
90 PERCENT EXCEEDS	16		17		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)
Feb. 28	1300	*23,400	*14.23	Mar. 13	0300	20,100	13.48

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	2000	1490	1800	3260	8250	22300	4380	5580	4370	3500	3420	1470
2	1910	1420	2190	3330	8000	20200	4530	5740	4570	3630	3610	1450
3	1920	1410	2430	3380	7750	18200	4530	5980	4520	3590	3780	1410
4	2130	1480	2600	3420	7540	16600	4370	6010	4270	3520	3890	1350
5	2520	1570	2910	3540	7280	15000	4140	6050	4160	3320	3970	1290
6	2690	1610	3370	3720	6980	13300	3890	6270	4220	3080	3970	1230
7	2660	1570	3740	3870	6630	11700	3720	6870	4300	3070	3840	1210
8	3520	1650	3950	3960	6310	10500	3590	7830	4360	3080	3650	1220
9	4030	2000	4090	4330	5950	10600	3480	8940	4370	2820	3490	1170
10	3670	2320	4230	4970	5630	12400	3440	9690	4300	2470	3310	1150
11	3300	2430	4360	5360	5400	16100	3420	9540	4160	2280	2990	1120
12	3350	2490	4450	5630	5250	19200	3370	8610	3870	2240	2540	1090
13	3400	2620	4380	5920	5140	19800	3380	7590	3420	2230	2280	1070
14	3330	2830	4010	6270	6190	19000	3380	6860	3070	2190	2180	1060
15	3010	2950	3510	6680	10500	17400	3260	6500	2960	2170	2070	1060
16	2560	2890	3080	7130	12500	14500	3050	6130	2920	2120	2030	1050
17	2320	2690	2970	7570	13600	12000	2850	5300	2700	2050	2170	1040
18	2110	2450	3170	8100	13500	10100	2650	4140	2550	1970	2200	1030
19	1940	2200	3610	8810	12800	8630	2670	3470	2630	1890	2110	1020
20	1940	1990	3910	9710	12400	7550	2970	3190	2910	1840	2130	1000
21	1940	1860	3910	10600	12500	6880	3230	3010	3300	1810	2190	1010
22	1830	1770	3780	11100	13700	6530	3250	2860	3630	1820	2210	1040
23	1720	1780	3700	10800	16400	6310	2990	2710	3880	2090	2100	1040
24	1650	2040	3640	9740	18600	6030	2620	2630	4060	2130	1930	1000
25	1580	2230	3580	8680	20600	5600	2390	2610	4200	2000	1810	974
26	1530	2320	3510	8080	22000	5210	2520	2650	4310	1900	1740	994
27	1530	2330	3420	7760	22800	4960	3040	2690	4420	1930	1690	1060
28	1520	2190	3360	7540	23300	4700	4260	2910	4370	2160	1690	1320
29	1550	1950	3320	7260	---	4420	5290	3190	3940	2550	1650	1690
30	1590	1770	3280	7630	---	4220	5540	3640	3510	2890	1550	2290
31	1560	---	3250	8320	---	4210	---	4030	---	3210	1480	---
TOTAL	72310	62300	107510	206470	317500	354150	106200	163220	114250	77550	79670	35908
MEAN	2333	2077	3468	6660	11340	11420	3540	5265	3808	2502	2570	1197
MAX	4030	2950	4450	11100	23300	22300	5540	9690	4570	3630	3970	2290
MIN	1520	1410	1800	3260	5140	4210	2390	2610	2550	1810	1480	974
CFSM	.45	.40	.67	1.29	2.19	2.21	.68	1.02	.74	.48	.50	.23
IN.	.52	.45	.77	1.48	2.28	2.54	.76	1.17	.82	.56	.57	.26

ALTAMAHA RIVER BASIN

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

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1937 - 1997, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	2673	2728	4742	7258	9409	11360	9656	5531	3752	3687	3272	2499
MAX	9848	11140	24070	17790	18920	25290	26590	15710	9360	22950	9067	5696
(WY)	1995	1948	1949	1946	1973	1966	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 1996 CALENDAR YEAR

FOR 1997 WATER YEAR

WATER YEARS 1937 - 1997

ANNUAL TOTAL	1801700		1697038			
ANNUAL MEAN	4923		4649		5528	
HIGHEST ANNUAL MEAN					9670	1948
LOWEST ANNUAL MEAN					2679	1981
HIGHEST DAILY MEAN	25500	Mar 18	23300	Feb 28	90700	Jul 15 1994
LOWEST DAILY MEAN	1410	Nov 3	974	Sep 25	808	Oct 30 1954
ANNUAL SEVEN-DAY MINIMUM	1500	Oct 29	1010	Sep 20	813	Oct 28 1954
INSTANTANEOUS PEAK FLOW			23400	Feb 28	92900	Jul 15 1994
INSTANTANEOUS PEAK STAGE			14.23	Feb 28	24.59	Jul 15 1994
INSTANTANEOUS LOW FLOW			962	Sep 25	800	Oct 30 1954
ANNUAL RUNOFF (CFSM)	.95		.90		1.07	
ANNUAL RUNOFF (INCHES)	12.94		12.19		14.50	
10 PERCENT EXCEEDS	10600		9720		11600	
50 PERCENT EXCEEDS	3290		3370		3650	
90 PERCENT EXCEEDS	1700		1540		1680	

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 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)
OCT 22...	0930	81341	1840	150	148	7.5	7.3	17.5	20.0	8.6	90
NOV 06...	0920	81341	1610	165	161	7.6	7.6	17.5	17.5	9.2	96
DEC 10...	1025	81341	4220	108	107	7.4	6.9	10.5	13.0	9.7	87
JAN 30...	1100	81341	7540	94	84	7.0	6.8	11.0	5.5	9.9	89
FEB 27...	1115	81341	22800	89	83	6.7	6.8	14.5	25.5	7.8	76
MAR 27...	1100	81341	4980	114	105	7.3	7.3	19.5	22.5	7.6	83
APR 23...	0745	81341	3070	118	116	7.4	7.2	20.5	17.5	8.0	91
MAY 15...	1320	81341	6380	90	87	7.1	7.0	21.0	29.5	7.2	81
JUN 26...	0930	81341	4300	109	99	7.0	7.0	27.5	28.5	7.9	99
JUL 31...	0930	81341	3150	122	117	7.1	7.4	29.5	22.5	6.9	90
AUG 28...	0930	81341	1690	162	155	7.4	7.9	27.0	28.0	7.2	91
SEP 25...	1000	81341	968	198	179	7.3	7.9	26.5	27.5	7.3	92

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	7.0	5	<1.0	43	15
NOV 06...	81341	40	5.0	8	<1.0	45	7
DEC 10...	81341	60	24	15	<1.0	23	29
JAN 30...	81341	80	19	18	1.1	17	13
FEB 27...	81341	140	26	32	1.7	24	6
MAR 27...	81341	55	15	14	<1.0	31	17
APR 23...	81341	20	13	--	<1.0	34	20
MAY 15...	81341	65	18	15	<1.0	25	12
JUN 26...	81341	35	15	21	1.3	26	22
JUL 31...	81341	30	18	10	<1.0	33	28
AUG 28...	81341	10	9.0	10	<1.0	51	13
SEP 25...	81341	15	5.0	7	<1.0	58	9

ALTAMAHA RIVER BASIN

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

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

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	.890	<.030	--	.20	1.1	.050	2.0
NOV 06...	81341	1.01	<.030	--	.10	1.1	.040	2.0
DEC 10...	81341	.500	<.030	--	.40	.90	.070	4.0
JAN 30...	81341	.410	<.030	--	.40	.81	.070	6.0
FEB 27...	81341	.100	.080	.62	.70	.80	.220	11
MAR 27...	81341	.560	.030	.37	.40	.96	.060	4.0
APR 23...	81341	.740	<.030	--	--	--	.070	2.0
MAY 15...	81341	.370	<.030	--	.30	.67	.050	4.0
JUN 26...	81341	.440	.120	.38	.50	.94	.110	4.0
JUL 31...	81341	.690	<.030	--	.30	.99	.080	3.0
AUG 28...	81341	.490	<.030	--	.30	.79	.100	2.0
SEP 25...	81341	.580	<.030	--	.20	.78	.030	2.0

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
OCT 22...	0930	81341	1840	130
NOV 06...	0920	81341	1610	20
DEC 10...	1025	81341	4220	130
JAN 30...	1100	81341	7540	490
FEB 27...	1115	81341	22800	20
MAR 27...	1100	81341	4980	<20
APR 23...	0745	81341	3070	20
MAY 15...	1320	81341	6380	110
JUN 26...	0930	81341	4300	92000
JUL 31...	0930	81341	3150	65
AUG 28...	0930	81341	1690	50
SEP 04...	0930	81213	1370	<20
11...	0930	81213	1120	50
25...	1000	81341	968	<20

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, and estimated days, which are poor.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)
Feb.15	0900	*1,030	*8.74	Feb 22	1600	908	8.54

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	.00	.07	20	16	137	103	30	49	25	26	5.4	.00
2	.00	.11	54	22	89	87	23	21	136	41	2.4	.00
3	.00	.46	47	24	63	77	16	34	140	27	1.6	.00
4	.00	.96	42	22	55	71	12	56	65	12	1.2	.00
5	.00	.92	31	22	50	64	9.6	34	32	6.2	.82	.00
6	.00	.92	23	29	45	60	7.1	19	23	3.9	.19	.00
7	.00	.71	15	36	42	52	6.9	10	19	2.6	.07	.00
8	71	4.3	9.9	77	50	46	5.7	6.3	16	2.0	.03	.00
9	26	6.3	7.8	170	63	44	4.5	4.3	12	1.3	.01	.00
10	11	3.9	6.8	207	55	43	3.5	3.0	8.8	.56	.00	.00
11	21	3.4	6.3	136	49	46	2.7	1.9	6.6	.24	.00	.00
12	10	3.0	5.9	88	43	42	3.1	2.4	5.5	.13	.00	.00
13	6.2	2.7	12	53	47	53	3.4	2.4	4.8	.06	.00	.00
14	4.4	2.7	17	42	198	187	2.8	1.4	4.6	.01	.00	.00
15	3.5	2.5	17	38	929	185	2.1	.73	4.0	.00	.00	.00
16	2.8	2.2	16	40	710	131	1.6	3.9	3.4	.00	.00	.00
17	2.7	2.0	13	40	389	72	1.1	31	3.9	.01	.00	.00
18	2.6	1.8	16	36	202	52	.96	40	28	.01	.00	.00
19	2.2	2.1	79	31	127	47	.45	12	44	.00	.00	.00
20	1.9	2.4	71	29	96	48	.13	6.7	39	.00	.00	.00
21	1.8	2.4	53	26	85	47	.09	5.6	23	.00	.00	.00
22	1.5	2.6	34	25	584	47	.16	4.4	11	.00	.00	.00
23	1.4	2.8	24	25	652	38	3.4	3.0	6.7	.00	.00	.00
24	1.2	3.0	21	28	412	29	4.2	2.4	4.3	.04	.00	.00
25	.89	2.4	31	96	243	23	2.8	5.4	2.8	.05	.00	.00
26	.58	2.2	28	115	223	25	2.3	7.4	2.0	.02	.00	1.0
27	.45	2.0	25	98	173	25	7.4	31	1.7	.00	.00	75
28	.23	1.8	22	73	135	20	180	118	17	.00	.00	48
29	.16	1.7	19	53	---	19	120	162	11	.02	.00	19
30	.13	1.7	17	179	---	18	80	94	7.8	.09	.00	7.5
31	.09	---	16	190	---	34	---	36	---	1.1	.00	---
TOTAL	173.73	66.05	799.7	2066	5946	1835	536.99	808.23	707.9	124.34	11.72	150.50
MEAN	5.60	2.20	25.8	66.6	212	59.2	17.9	26.1	23.6	4.01	.38	5.02
MAX	71	6.3	79	207	929	187	180	162	140	41	5.4	75
MIN	.00	.07	5.9	16	42	18	.09	.73	1.7	.00	.00	.00
CFSM	.11	.04	.52	1.35	4.31	1.20	.36	.53	.48	.08	.01	.10
IN.	.13	.05	.60	1.56	4.49	1.39	.41	.61	.53	.09	.01	.11

ALTAMAHA RIVER BASIN

02216180 TURNPIKE CREEK NEAR MCRAE, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1983 - 1997, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	25.9	25.7	51.3	133	128	139	53.3	22.0	19.4	17.2	21.6	8.86
MAX	212	149	160	329	232	291	140	141	92.3	84.1	215	60.5
(WY)	1995	1986	1995	1987	1992	1983	1983	1984	1995	1994	1994	1994
MIN	.000	.000	.000	.000	10.3	16.1	5.64	.000	.000	.000	.000	.000
(WY)	a	1985,92	1985	1985	1985	1985	1985	1986	1985,90	b1986	b1986	b1984

SUMMARY STATISTICS	FOR 1996 CALENDAR YEAR		FOR 1997 WATER YEAR		WATER YEARS 1983 - 1997	
ANNUAL TOTAL	10763.92		13226.16		51.9	
ANNUAL MEAN	29.4		36.2		86.3	
HIGHEST ANNUAL MEAN					4.71	
LOWEST ANNUAL MEAN					1840	
HIGHEST DAILY MEAN	587	Mar 8	929	Feb 15	Jan 13 1993	
LOWEST DAILY MEAN	.00	c	.00	c	.00	
ANNUAL SEVEN-DAY MINIMUM	.00	f	.00	f	.00	
INSTANTANEOUS PEAK FLOW			1030	Feb 15	2740	
INSTANTANEOUS PEAK STAGE			8.74	Feb 15	11.04	
INSTANTANEOUS LOW FLOW			.00	c	.00	
ANNUAL RUNOFF (CFSM)	.60		.74		1.05	
ANNUAL RUNOFF (INCHES)	8.13		9.99		14.31	
10 PERCENT EXCEEDS	75		87		152	
50 PERCENT EXCEEDS	2.8		6.3		7.0	
90 PERCENT EXCEEDS	.00		.00		.00	

a 1984, 1985, 1987, 1988, 1992, 1994, and 1996.

b Also 1990 and 1996.

c No flow on many days.

d No flow at times most years.

f Many seven-day periods with no flow.

ALTAMAHA RIVER BASIN

02217170 WALNUT CREEK NEAR PENDERGRASS, GA

LOCATION.--Lat 34°08'34", long 83°40'31", Jackson County, Hydrologic Unit 03070101, at bridge on State Highway 332, 2.0 mi south of Pendergrass, and 2.0 mi upstream from mouth.

DRAINAGE AREA.--52.4 mi².

PERIOD OF RECORD.--January 1996 to December 1996 (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)
OCT 22...	0540	81341	33	71	69	7.0	6.9	12.0	8.0	8.3	79
NOV 19...	0500	81341	49	71	67	7.0	7.1	11.5	12.0	8.4	79
DEC 17...	0500	81341	45	70	65	7.0	6.8	9.0	10.0	8.6	77

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)	ALKA- LINITY WAT WH TOT 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	490	11	6	0.510	<0.030	<0.020	2.0
NOV 19...	81341	14	<1.0	1100	22	50	0.660	0.100	0.040	2.0
DEC 17...	81341	15	<1.0	330	19	29	0.760	0.050	0.020	2.0

ALTAMAHA RIVER BASIN

02217380 MULBERRY RIVER NEAR WINDER, GA.

LOCATION.--Lat 34°03'08", long 83°39'49", Barrow County-Jackson County line, Hydrologic Unit 03070101, at bridge on State Highway 11, approximately 4.5 mi northeast of Winder, 2.1 mi downstream of Cedar Creek, and 6.5 mi above mouth.

DRAINAGE AREA.--142 mi².

PERIOD OF RECORD.--January 1996 to December 1996 (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 Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen 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)
OCT 22...	0615	81341	138	73	73	7.0	6.8	11.0	8.0	8.4	78
NOV 19...	0545	81341	158	115	112	7.2	6.8	11.0	12.0	8.2	77
DEC 17...	0540	81341	155	82	78	7.2	6.7	9.0	10.0	8.6	77

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)	ALKA- LINITY WAT WH TOT 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	9.0	<1.0	220	21	11	0.550	<0.030	0.020	2.0
NOV 19...	81341	18	1.0	700	22	22	0.870	0.040	0.100	2.0
DEC 17...	81341	23	<1.0	220	18	26	0.620	0.110	0.050	<1.0

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.

WATER-DISCHARGE RECORDS

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 to 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)
Mar. 1	1430	*7,500	*19.70	Sept. 26	0430	4,500	15.40

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	263	159	872	238	437	e6800	376	787	608	465	718	127
2	230	242	1130	235	403	e3800	372	591	453	458	358	131
3	215	260	519	232	383	e1700	365	1640	392	355	284	131
4	225	195	387	230	402	e1100	357	1700	332	316	253	157
5	207	181	331	274	454	e950	355	857	309	284	230	132
6	177	183	309	345	440	e890	389	657	292	267	206	119
7	179	187	291	298	385	e810	434	543	290	254	194	115
8	234	462	282	323	719	e730	370	483	313	259	194	112
9	227	530	254	1630	723	e670	356	443	288	252	193	111
10	188	294	241	1620	533	e640	336	407	275	247	235	117
11	171	235	242	774	481	e600	326	394	262	228	229	258
12	166	215	248	546	428	e570	383	371	277	225	213	168
13	163	204	378	449	752	e530	431	353	1000	217	209	137
14	161	200	372	395	1540	e800	356	331	1160	211	217	122
15	162	194	316	369	2710	e790	337	332	2870	200	196	117
16	157	186	291	918	1470	e640	326	310	1450	192	228	115
17	156	185	303	710	919	e570	317	293	1460	240	200	114
18	156	193	318	486	711	e510	308	286	1590	216	176	112
19	161	252	310	420	605	e490	306	281	814	193	167	109
20	159	237	285	387	549	e470	361	307	576	182	165	105
21	153	211	277	366	562	e460	348	296	481	173	250	99
22	151	230	277	360	886	e450	350	269	565	172	203	95
23	156	214	259	361	609	e440	612	254	473	464	167	97
24	160	198	253	372	523	e430	455	255	397	1150	154	131
25	156	201	254	960	486	417	362	275	364	463	149	2420
26	155	248	238	777	508	451	335	293	335	320	149	3210
27	164	231	241	530	601	432	497	276	1030	265	144	851
28	169	204	250	648	e2800	413	2150	287	855	237	139	1450
29	170	197	248	727	---	466	2630	292	498	245	136	1470
30	170	198	248	549	---	414	1210	709	410	230	133	635
31	163	---	242	490	---	392	---	515	---	590	128	---
TOTAL	5524	6926	10466	17019	22019	28825	16110	15087	20419	9570	6617	13067
MEAN	178	231	338	549	786	930	537	487	681	309	213	436
MAX	263	530	1130	1630	2800	6800	2630	1700	2870	1150	718	3210
MIN	151	159	238	230	383	392	306	254	262	172	128	95
CFSM	.54	.70	1.02	1.65	2.37	2.80	1.62	1.47	2.05	.93	.64	1.31
IN.	.62	.78	1.17	1.91	2.47	3.23	1.81	1.69	2.29	1.07	.74	1.46

e Estimated

ALTAMAHA RIVER BASIN

02217475 MIDDLE OCONEE RIVER NEAR ARCADE, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1987 - 1997, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	406	436	451	694	796	903	524	386	382	283	286	251
MAX	1083	1141	1300	1244	1467	1600	923	722	794	610	900	436
(WY)	1996	1993	1993	1993	1990	1990	1993	1991	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 1996 CALENDAR YEAR

FOR 1997 WATER YEAR

WATER YEARS 1987 - 1997

ANNUAL TOTAL	204130		171649									
ANNUAL MEAN	558		470								490	
HIGHEST ANNUAL MEAN											746	1993
LOWEST ANNUAL MEAN											185	1988
HIGHEST DAILY MEAN	8630	Mar 7	6800	Mar 1							10600	Mar 18 1990
LOWEST DAILY MEAN	131	Sep 15	95	Sep 22							16	Jul 20 1988
ANNUAL SEVEN-DAY MINIMUM	156	Oct 20	104	Sep 17							22	Jul 15 1988
INSTANTANEOUS PEAK FLOW			7500	Mar 1							13800	Mar 18 1990
INSTANTANEOUS PEAK STAGE			a19.7	Mar 1							25.34	Mar 18 1990
ANNUAL RUNOFF (CFSM)	1.68		1.42								1.48	
ANNUAL RUNOFF (INCHES)	22.87		19.23								20.05	
10 PERCENT EXCEEDS	946		856								886	
50 PERCENT EXCEEDS	320		309								322	
90 PERCENT EXCEEDS	167		157								124	

a From floodmarks

ALTAMAHA RIVER BASIN

02217475 MIDDLE OCONEE RIVER NEAR ARCADE, GA.--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--January 1996 to December 1996 (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 Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen 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)
OCT 22...	0650	81341	151	75	74	7.1	6.9	12.0	8.0	8.5	81
NOV 19...	0620	81341	241	72	71	7.1	7.0	11.0	12.0	8.7	81
DEC 17...	0615	81341	293	70	67	7.2	6.9	9.0	10.0	9.0	80

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)	ALKA- LINITY WAT WH TOT 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	11	<1.0	130	21	12	0.580	<0.030	0.020	2.0
NOV 19...	81341	15	<1.0	790	20	23	0.690	<0.030	0.030	2.0
DEC 17...	81341	18	<1.0	640	20	26	1.22	0.050	0.030	2.0

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)
Mar. 2	0030	*7,730	*14.77	Sept. 26	1030	4,580	10.37

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	308	204	580	263	458	7000	391	836	541	432	796	153
2	276	268	1300	268	426	5660	379	650	501	477	407	153
3	258	328	572	277	411	1830	368	1590	415	377	337	164
4	243	282	424	243	414	1360	362	2210	365	338	262	161
5	288	236	338	296	428	1050	356	939	331	300	269	136
6	188	240	329	363	445	980	368	718	313	283	228	163
7	218	239	322	325	390	858	426	602	308	282	223	119
8	256	362	314	362	578	749	383	529	326	270	221	157
9	267	596	289	1490	786	703	360	489	312	283	208	131
10	246	357	266	2060	564	675	342	449	297	263	242	138
11	221	286	271	821	499	638	334	427	286	263	261	221
12	201	260	293	589	444	579	359	409	301	223	238	243
13	208	254	428	493	621	557	430	388	628	236	236	178
14	219	241	444	438	1630	913	369	368	1240	263	246	133
15	208	236	342	404	3120	827	341	364	2970	225	247	164
16	195	221	312	683	2140	649	332	345	1940	179	228	124
17	230	228	314	794	1010	588	317	328	1480	284	245	138
18	207	237	338	530	784	542	307	315	2020	283	230	123
19	204	265	325	445	684	525	308	311	930	232	210	136
20	205	282	308	416	626	520	339	321	639	220	194	121
21	202	257	282	386	605	495	356	335	518	209	222	102
22	198	264	278	383	846	480	346	298	564	187	259	125
23	200	250	282	374	701	458	536	289	514	267	210	106
24	207	247	281	374	607	461	496	288	440	1180	186	146
25	185	249	283	665	552	418	370	299	398	520	178	2210
26	170	250	274	844	549	463	341	328	372	368	149	4130
27	207	282	273	555	611	449	470	325	784	311	169	1090
28	219	246	275	561	2780	420	2140	318	812	264	164	1110
29	197	244	276	717	---	462	3230	329	552	252	185	1910
30	222	248	282	569	---	440	1530	585	433	258	171	722
31	213	---	270	510	---	408	---	575	---	400	156	---
TOTAL	6866	8159	11165	17498	23709	32157	16986	16557	21530	9929	7577	14707
MEAN	221	272	360	564	847	1037	566	534	718	320	244	490
MAX	308	596	1300	2060	3120	7000	3230	2210	2970	1180	796	4130
MIN	170	204	266	243	390	408	307	288	286	179	149	102
CFSM	.57	.69	.92	1.44	2.16	2.65	1.44	1.36	1.83	.82	.62	1.25
IN.	.65	.77	1.06	1.66	2.25	3.05	1.61	1.57	2.04	.94	.72	1.40

ALTAMAHA RIVER BASIN

02217500 MIDDLE OCONEE RIVER NEAR ATHENS, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1902 - 1997, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	313	408	545	728	827	957	738	545	412	338	308	251
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 1996 CALENDAR YEAR

FOR 1997 WATER YEAR

WATER YEARS 1902 - 1997

ANNUAL TOTAL	227681		186840									
ANNUAL MEAN	622		512								524	
HIGHEST ANNUAL MEAN											977	1964
LOWEST ANNUAL MEAN											202	1986
HIGHEST DAILY MEAN	10400	Mar 8	7000	Mar 1							19600	Feb 28 1902
LOWEST DAILY MEAN	151	Sep 15	102	Sep 21								
ANNUAL SEVEN-DAY MINIMUM	174	Sep 9	122	Sep 17							12	Jul 17 1986
INSTANTANEOUS PEAK FLOW			7730	Mar 2							a19600	Feb 28 1902
INSTANTANEOUS PEAK STAGE			14.77	Mar 2							b25.50	Feb 28 1902
ANNUAL RUNOFF (CFSM)	1.59		1.31								1.34	
ANNUAL RUNOFF (INCHES)	21.61		17.73								18.17	
10 PERCENT EXCEEDS	1030		839								924	
50 PERCENT EXCEEDS	360		195								149	

a Observed.

b At site and datum then in use.

ALTAMAHA RIVER BASIN

02217515 MIDDLE OCONEE RIVER AT ATHENS, GA.

LOCATION.--Lat 33°55'06", long 83°23'25", Clarke County-Oconee County line, Hydrologic Unit 03070101, at bridge on U.S. Highways 441 and 129 south of Athens, 5.5 mi upstream from North Oconee River.

DRAINAGE AREA.--397 mi².

PERIOD OF RECORD.--January 1996 to December 1996 (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 Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen 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)
OCT 23...	0700	81341	198	72	71	7.0	6.9	15.0	17.0	8.3	84
NOV 20...	0700	81341	291	70	68	7.0	7.1	10.0	7.0	8.7	79
DEC 18...	0700	81341	334	66	65	7.0	7.2	8.0	5.0	9.0	78

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)	ALKA- LITY WAT WH TOT 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...	81341	17	<1.0	80	23	20	0.540	<0.030	0.030	2.0
NOV 20...	81341	14	<1.0	330	21	9	0.630	<0.030	0.030	1.0
DEC 18...	81341	17	<1.0	410	20	15	0.740	<0.030	0.020	1.0

ALTAMAHA RIVER BASIN

02217610 NORTH OCONEE RIVER NEAR MAYSVILLE, GA.

LOCATION.--Lat 34°12'50", long 83°32'50", Jackson County, Hydrologic Unit 03070101, at bridge on State Highway 82, 3 mi southeast of Maysville, and 2.3 mi upstream of Gravelly Creek.

DRAINAGE AREA.--90.8 mi².

PERIOD OF RECORD.--January 1996 to December 1996 (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 Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen 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)
OCT 22...	0745	81341	193	78	78	7.1	6.9	11.0	8.0	8.4	78
NOV 19...	0720	81341	226	75	75	7.1	7.2	11.0	12.0	8.5	79
DEC 17...	0715	81341	224	75	73	7.3	6.9	9.0	10.0	8.8	79

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)	ALKA- LINITY WAT WH TOT 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	8.0	<1.0	230	29	10	0.440	<0.030	0.020	2.0
NOV 19...	81341	14	<1.0	1800	28	21	0.550	<0.030	0.040	2.0
DEC 17...	81341	13	<1.0	330	26	20	0.460	0.040	0.040	<1.0

ALTAMAHA RIVER BASIN

02217646 NORTH OCONEE RIVER NEAR NICHOLSON, GA.

LOCATION.--Lat 34°07'03", long 83°28'29", Jackson County, Hydrologic Unit 03070101, at bridge on State Highway 335, 3 mi west of Nicholson, 1.6 mi downstream from Parks Creek.

DRAINAGE AREA.--131 mi².

PERIOD OF RECORD.--January 1996 to December 1996 (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 Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen 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)
OCT 22...	0715	81341	150	77	76	7.0	7.0	11.0	8.0	8.3	77
NOV 19...	0650	81341	108	75	74	7.1	7.1	11.0	12.0	8.3	78
DEC 17...	0645	81341	145	72	71	7.2	6.8	9.0	10.0	8.5	76

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)	ALKA- LITY WAT WH TOT 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	15	<1.0	170	25	21	0.350	<0.030	0.030	1.0
NOV 19...	81341	22	<1.0	1300	28	39	0.470	<0.030	0.050	1.0
DEC 17...	81341	15	<1.0	330	23	17	0.260	0.040	0.030	<1.0

ALTAMAHA RIVER BASIN

02217740 NORTH OCONEE RIVER ABOVE ATHENS, GA

LOCATION.--Lat 33°58'28", long 83°22'56", Clarke County, Hydrologic Unit 03070101, at City of Athens water intake, 0.3 mi north of the Athens city limits, 0.25 mi downstream from Sandy Creek, 10.7 above confluence with Middle Oconee River.

DRAINAGE AREA.--273 mi²

PERIOD OF RECORD.--July 1974 to February 1994, January 1996 to December 1996 (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)
OCT 23...	0800	81341	140	71	71	7.1	6.8	14.0	17.0	8.5	84
NOV 20...	0800	81341	230	70	67	7.1	7.0	10.0	7.0	8.9	81
DEC 18...	0800	81341	280	66	66	7.0	7.0	8.0	5.0	9.2	79

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)	ALKA- LINITY WAT WH TOT 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 23...	81341	11	<1.0	130	27	9	0.280	<0.030	0.020	2.0
NOV 20...	81341	17	<1.0	490	26	13	0.340	<0.030	0.030	2.0
DEC 18...	81341	12	<1.0	230	22	10	0.450	0.050	0.030	2.0

ALTAMAHA RIVER BASIN

02217950 NORTH OCONEE RIVER AT WHITEHALL, GA.

LOCATION.--Lat 33°54'25", long 83°21'36", Clarke County, Hydrologic Unit 03070101, at Whitehall Road at Whitehall, 5.7 mi downstream from Trail Creek, 3 mi upstream from confluence with Middle Oconee River.

DRAINAGE AREA.--299 mi².

PERIOD OF RECORD.--January 1996 to December 1996 (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)
OCT 23...	0730	81341	155	132	126	7.1	6.8	15.0	17.0	8.1	82
NOV 20...	0740	81341	231	100	95	7.0	7.1	10.0	7.0	8.4	76
DEC 18...	0730	81341	300	93	88	7.0	7.1	8.0	5.0	8.7	75

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)	ALKA- LITY WAT WH TOT 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...	81341	6.0	3.3	40	24	7	2.01	0.970	0.260	4.0
NOV 20...	81341	10	2.3	70	28	9	1.03	0.510	0.140	3.0
DEC 18...	81341	12	1.5	230	23	9	0.800	0.460	0.090	2.0

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 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)
OCT 23...	0515	81341	830	93	92	6.9	6.9	15.0	17.0	8.5	86
NOV 20...	0500	81341	750	88	85	6.8	7.1	11.0	7.0	8.7	81
DEC 18...	0500	81341	840	84	80	6.8	7.2	9.0	5.0	9.0	80
JAN 09...	0600	81341	1780	63	59	6.9	6.9	6.5	1.0	10.8	90
FEB 11...	0520	81341	1210	73	67	7.0	7.1	7.0	-2.0	11.2	94
MAR 11...	1650	81341	1450	68	65	7.0	6.7	17.5	25.5	8.9	94
APR 21...	0400	81341	780	75	71	7.0	7.1	15.0	10.0	9.3	95
MAY 06...	1350	81341	1770	60	56	7.1	7.0	17.0	30.0	8.9	93
JUN 10...	0400	81341	820	79	74	7.1	7.2	18.0	16.0	8.7	93
JUL 15...	0400	81341	730	82	77	7.0	7.3	24.5	23.0	7.5	92
AUG 12...	0400	81341	700	84	83	7.1	7.2	23.0	22.0	7.6	90
SEP 09...	0400	81341	590	93	90	7.2	7.4	21.0	19.0	7.9	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)	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...	81341	8.0	1.1	25	9	1.06	.100	.110	2.0
NOV 20...	81341	13	1.1	24	32	.940	.110	.100	2.0
DEC 18...	81341	13	1.1	20	14	.990	.170	.080	2.0
JAN 09...	81341	140	3.4	15	187	.560	.170	.250	4.0
FEB 11...	81341	30	1.8	5	26	.470	.360	.070	3.0
MAR 11...	81341	25	1.0	17	31	.900	.080	.080	2.0
APR 21...	81341	10	1.6	20	16	.880	.040	.100	2.0
MAY 06...	81341	48	1.1	16	56	.670	.090	.120	3.0
JUN 10...	81341	14	<1.0	21	19	1.13	.090	.110	2.0
JUL 15...	81341	19	<1.0	23	28	1.03	<.030	.110	2.0
AUG 12...	81341	16	<1.0	23	25	1.00	<.030	.120	2.0
SEP 09...	81341	15	<1.0	26	17	1.03	<.030	.180	2.0

ALTAMAHA RIVER BASIN

02218000 OCONEE RIVER NEAR WATKINSVILLE, 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)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
OCT				
23...	0515	81341	830	170
NOV				
20...	0500	81341	750	230
DEC				
18...	0500	81341	840	330
JAN				
09...	0600	81341	1780	7900
FEB				
11...	0520	81341	1210	230
MAR				
11...	1650	81341	1450	130
APR				
21...	0400	81341	780	490
MAY				
06...	1350	81341	1770	790
JUN				
10...	0400	81341	820	490
JUL				
15...	0400	81341	730	1100
29...	0400	81213	810	110
AUG				
04...	0400	81213	840	110
12...	0400	81341	700	280
SEP				
09...	0400	81341	590	140

DATE	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									
04...	1635	81213	525	97	7.2	25.5	33.0	6.9	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)
SEP								
04...	81213	5.5	2.2	<1.0	<2.0	<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							
04...	81213	<1.0	<2.0	<0.1	<1.0	<2.0	6.2

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)
Jan. 10	0700	5,290	12.99	May 4	1600	4,840	12.52
Feb. 16	0700	6,910	14.45	June 16	1200	5,310	13.01
Mar. 1	1400	*14,500	*19.49	June 18	0700	5,270	12.97
Apr. 29	1900	6,230	13.86	Sept. 27	0700	7,870	15.22

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	903	501	1410	673	1220	13200	1180	3620	1470	1090	1750	342
2	807	743	2570	673	1140	12800	1130	2130	1460	1130	1390	391
3	721	789	2050	663	1080	9990	1110	2660	1260	1050	953	372
4	655	722	1500	653	1110	4980	1090	4680	1090	911	822	397
5	622	634	1070	767	1100	3020	1060	3650	961	828	679	414
6	667	596	932	880	1150	2640	1050	2270	894	756	665	379
7	562	583	875	931	1100	2400	1100	1770	852	720	577	363
8	678	1160	850	887	1660	2090	1130	1530	873	738	566	286
9	698	1310	783	3290	1960	1920	1030	1390	884	747	583	312
10	647	1140	722	5100	1690	1840	979	1290	832	775	576	431
11	574	806	687	3540	1430	1760	948	1190	788	713	658	498
12	530	654	693	2200	1280	1660	992	1140	778	662	646	605
13	510	595	920	1540	1620	1580	1080	1090	1370	635	592	515
14	494	570	1150	1290	3680	1880	1090	1030	2270	620	597	404
15	501	552	990	1160	5440	2310	985	1010	4200	644	613	340
16	511	526	834	1620	6660	2040	940	976	5180	550	799	350
17	481	512	821	2000	4520	1710	907	920	4010	708	647	312
18	524	522	842	1660	2460	1570	878	875	5090	1060	616	308
19	475	639	874	1320	1900	1520	860	856	3600	772	539	285
20	479	669	807	1180	1660	1490	968	1000	1990	635	536	288
21	481	644	736	1110	1560	1460	975	923	1550	575	567	267
22	465	610	693	1060	2060	1380	961	882	1380	535	585	251
23	454	606	690	1040	1980	1330	1290	810	1440	675	558	247
24	460	578	707	1030	1600	1270	1440	776	1280	2300	470	242
25	480	558	729	1250	1440	1270	1130	791	1120	1960	435	2250
26	426	660	697	1810	1400	1680	976	830	1030	1340	418	6500
27	453	645	679	1820	1490	1480	1390	865	1010	923	360	7070
28	489	625	689	1530	3050	1360	5160	881	1780	792	391	2920
29	508	569	687	1640	---	1360	6060	862	1560	677	391	3370
30	510	558	687	1560	---	1350	5760	996	1210	672	394	3010
31	511	---	690	1350	---	1260	---	1580	---	1120	355	---
TOTAL	17276	20276	29064	47227	58440	87600	45649	45273	53212	27313	19728	33719
MEAN	557	676	938	1523	2087	2826	1522	1460	1774	881	636	1124
MAX	903	1310	2570	5100	6660	13200	6060	4680	5180	2300	1750	7070
MIN	426	501	679	653	1080	1260	860	776	778	535	355	242
CFSM	.59	.72	1.00	1.62	2.22	3.01	1.62	1.55	1.89	.94	.68	1.20
IN.	.68	.80	1.15	1.87	2.31	3.47	1.81	1.79	2.11	1.08	.78	1.33

ALTAMAHA RIVER BASIN

02218300 OCONEE RIVER NEAR PENFIELD, GA--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1977 - 1997, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	954	1119	1271	1790	2084	2212	1623	1144	970	755	731	610
MAX	3571	3272	4029	3261	4230	4798	3897	2729	1840	1635	2481	1347
(WY)	1990	1978	1984	1978	1990	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 1996 CALENDAR YEAR		FOR 1997 WATER YEAR		WATER YEARS 1977 - 1997	
ANNUAL TOTAL	553027		484777			
ANNUAL MEAN	1511		1328			
HIGHEST ANNUAL MEAN			1268		1961	1993
LOWEST ANNUAL MEAN					498	1986
HIGHEST DAILY MEAN	16900	Mar 8	13200	Mar 1	21900	Oct 2 1989
LOWEST DAILY MEAN	347	Sep 15	242	Sep 24	33	Aug 26 1986
ANNUAL SEVEN-DAY MINIMUM	402	Sep 9	270	Sep 18	49	Aug 5 1986
INSTANTANEOUS PEAK FLOW			14500	Mar 1	a31700	Oct 1 1989
INSTANTANEOUS PEAK STAGE			19.49	Mar 1	25.92	Oct 1 1989
ANNUAL RUNOFF (CFSM)	1.61		1.41		1.35	
ANNUAL RUNOFF (INCHES)	21.89		19.18		18.33	
10 PERCENT EXCEEDS	2580		2280		2250	
50 PERCENT EXCEEDS	925		920		872	
90 PERCENT EXCEEDS	493		480		331	

a From rating curve extended above 22,000 ft³/s on basis of slope-conveyance study.

ALTAMAHA RIVER BASIN

02218300 OCONEE RIVER NEAR PENFIELD, GA--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--January 1996 to December 1996 (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)
OCT 23...	0600	81341	472	90	89	7.3	6.8	15.0	17.0	8.4	85
NOV 20...	0600	81341	715	80	80	7.1	7.0	11.0	7.0	8.8	82
DEC 18...	0540	81341	884	74	73	7.3	7.1	9.0	5.0	9.1	80

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)	ALKA- LITY WAT WH TOT 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...	81341	10	<1.0	230	24	12	1.13	0.090	0.090	2.0
NOV 20...	81341	14	<1.0	220	22	26	0.880	<0.030	0.090	2.0
DEC 18...	81341	18	<1.0	460	21	19	0.250	0.040	0.070	2.0

ALTAMAHA RIVER BASIN

02218805 MARBURG CREEK NEAR BETHLEHEM, GA.

LOCATION.--Lat 33°54'44", long 83°33'48", Barrow County, Hydrologic Unit 03070101, at bridge on Manning Gin Road, 3.5 mi southeast of Bethlehem, and 0.4 mi upstream from Apalachee River.

DRAINAGE AREA.--26.0 mi².

PERIOD OF RECORD.--January 1996 to December 1996 (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)
OCT 22...	0830	81341	8.6	86	85	7.0	6.9	12.5	10.0	8.4	81
NOV 19...	0800	81341	9.4	92	89	7.2	6.8	13.0	12.0	8.1	79
DEC 17...	0800	81341	46	83	80	7.1	6.6	10.0	10.0	8.6	79

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)	ALKA- LITY WAT WH TOT 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	9.0	1.9	700	18	13	0.850	0.090	0.100	3.0
NOV 19...	81341	12	1.5	330	19	23	1.15	0.070	0.130	3.0
DEC 17...	81341	25	2.3	1300	17	45	0.970	0.160	0.140	3.0

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)
Feb. 28	2315	4,910	*6.23	No other peak greater than base 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	114	90	268	133	206	3890	183	411	253	154	237	58
2	110	135	479	111	190	2320	178	306	245	179	243	56
3	106	159	371	128	182	865	175	607	196	160	143	59
4	94	130	229	97	186	518	176	821	160	113	124	59
5	76	99	169	152	202	414	160	570	149	119	114	57
6	88	101	151	192	204	383	172	340	147	110	103	56
7	111	93	155	151	192	358	188	276	136	124	97	53
8	94	170	118	200	326	311	176	238	150	108	92	52
9	109	212	147	1150	368	286	152	219	157	115	70	51
10	112	145	108	1030	285	270	158	200	129	108	97	64
11	102	134	126	591	249	258	149	187	128	107	121	57
12	97	114	127	336	224	245	165	162	135	78	100	64
13	70	109	179	260	344	245	173	169	217	93	95	64
14	72	115	163	223	798	412	150	160	231	112	98	56
15	89	88	129	201	1490	363	175	159	553	88	98	55
16	80	85	152	280	1240	293	145	157	390	85	118	54
17	77	76	120	325	598	254	154	149	351	135	79	53
18	79	106	158	253	395	241	130	144	794	228	114	52
19	74	126	145	212	325	236	119	159	457	167	82	54
20	64	119	114	198	290	237	154	147	289	133	79	53
21	99	112	122	189	278	229	174	145	199	132	98	51
22	76	102	120	182	375	217	149	138	188	99	122	50
23	94	85	120	177	338	208	240	124	203	133	77	49
24	84	105	148	170	276	200	245	114	160	308	80	50
25	58	106	122	241	256	199	198	127	157	282	95	498
26	67	98	117	243	243	272	165	131	134	142	72	1130
27	74	115	118	208	260	240	263	134	130	132	69	903
28	105	95	131	204	1360	217	1110	153	193	133	66	347
29	77	102	102	288	---	213	1150	134	159	111	62	376
30	76	94	132	261	---	207	721	212	157	94	41	464
31	77	---	109	226	---	191	---	312	---	167	59	---
TOTAL	2705	3420	4949	8612	11680	14792	7647	7305	6947	4249	3145	5045
MEAN	87.3	114	160	278	417	477	255	236	232	137	101	168
MAX	114	212	479	1150	1490	3890	1150	821	794	308	243	1130
MIN	58	76	102	97	182	191	119	114	128	78	41	49
CFSM	.50	.65	.91	1.58	2.37	2.71	1.45	1.34	1.32	.78	.58	.96
IN.	.57	.72	1.05	1.82	2.47	3.13	1.62	1.54	1.47	.90	.66	1.07

ALTAMAHA RIVER BASIN

02219000 APALACHEE RIVER NEAR BOSTWICK, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1944 - 1997, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	164	236	238	354	409	403	318	211	168	145	143	128
MAX	613	969	647	799	793	816	734	536	525	390	531	420
(WY)	1996	1949	1984	1946	1990	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 1996 CALENDAR YEAR

FOR 1997 WATER YEAR

WATER YEARS 1944 - 1997

ANNUAL TOTAL	99869	80496	
ANNUAL MEAN	273	221	244
HIGHEST ANNUAL MEAN			367
LOWEST ANNUAL MEAN			94.3
HIGHEST DAILY MEAN	3810	Mar 8	3890
LOWEST DAILY MEAN	53	Sep 9	41
ANNUAL SEVEN-DAY MINIMUM	76	Sep 9	51
INSTANTANEOUS PEAK FLOW			4910
INSTANTANEOUS PEAK STAGE			6.23
ANNUAL RUNOFF (CFSM)	1.55		1.25
ANNUAL RUNOFF (INCHES)	21.11		17.01
10 PERCENT EXCEEDS	452		365
50 PERCENT EXCEEDS	157		150
90 PERCENT EXCEEDS	84		73

1949
1988
6700
Jan 7 1946
7.5
Aug 10 1986
7.9
Aug 5 1986
11200
Jan 6 1946
8.90
Jan 6 1946
1.39
18.83
414
157
64

ALTAMAHA RIVER BASIN

02219000 APALACHEE RIVER NEAR BOSTWICK, GA.--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--July 1990 to January 1994, January 1996 to December 1996 (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)
OCT 23...	0630	81341	25	59	60	7.4	6.8	14.0	17.0	8.4	83
NOV 20...	0630	81341	103	58	58	7.2	7.0	10.0	7.0	8.6	78
DEC 18...	0615	81341	148	55	55	7.4	7.1	8.0	5.0	9.2	79

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)	ALKA- LITY WAT WH TOT FET LAB MG/L AS CACO3 (00417)
OCT 23...	81341	7.0	<1.0	310	19
NOV 20...	81341	7.0	<1.0	330	17
DEC 18...	81341	7.0	<1.0	460	15

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	0.410	<0.030	0.20	0.20	0.61	0.020	2.0
NOV 20...	81341	0.480	<0.030	0.20	0.20	0.68	<0.020	2.0
DEC 18...	81341	0.560	<0.030	0.20	0.20	0.76	<0.020	2.0

ALTAMAHA RIVER BASIN

02220368 TOWN CREEK NEAR GREENSBORO, GA.

LOCATION.--Lat 33°32'56", long 83°12'32", Greene County, Hydrologic Unit 03070101, at culvert on Old Eatonton Road, 2 mi southwest of Greensboro, and 1 mi upstream from Richland Creek.

DRAINAGE AREA.--7.3 mi².

PERIOD OF RECORD.--January 1996 to December 1996 (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)
OCT 30...	1330	81341	12	707	700	7.4	7.6	19.0	26.0	7.4	81
NOV 13...	1230	81341	9.4	572	559	7.5	7.6	9.5	15.5	9.9	87
DEC 17...	1230	81341	12	289	276	7.4	7.3	11.0	11.5	9.6	89

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)	ALKA- LITY WAT WH TOT 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	8.0	1.4	1700	107	8	1.09	0.070	1.09	7.0
NOV 13...	81341	11	<1.0	490	75	6	2.08	0.060	0.300	5.0
DEC 17...	81341	13	1.4	330	45	8	1.45	0.050	0.240	4.0

ALTAMAHA RIVER BASIN

02220740 ROOTY CREEK NEAR EATONTON, GA.

LOCATION.--Lat 33°17'17", long 83°20'44", Putnam County, Hydrologic Unit 03070101, at bridge on Parks Rd, 4 mi southeast of Eatonton, approximately 5 mi upstream from Lake Sinclair.

DRAINAGE AREA.--19.3 mi².

PERIOD OF RECORD.--January 1996 to December 1996 (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)
OCT 30...	1200	81341	4.0	186	183	7.1	7.4	18.5	26.0	7.5	81
NOV 13...	1130	81341	3.8	189	182	7.2	7.4	8.0	14.5	11.1	92
DEC 17...	1145	81341	7.6	162	155	7.5	7.2	10.5	11.0	9.5	86

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)	ALKA- LITY WAT WH TOT 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	4.0	1.3	510	54	1	1.74	<0.030	0.180	4.0
NOV 13...	81341	5.0	1.6	1700	55	3	2.05	0.070	0.180	4.0
DEC 17...	81341	11	2.0	4600	37	5	1.14	0.290	0.140	5.0

ALTAMAHA RIVER BASIN

02220800 LITTLE RIVER NEAR GODFREY, GA.

LOCATION.--Lat 33°29'07", long 83°33'37", Morgan County, Hydrologic Unit 03070101, at bridge on State Highway 83, 4 mi northwest of Godfrey and 6.3 mi upstream from Gap Creek.

DRAINAGE AREA.--77.1 mi².

PERIOD OF RECORD.--January 1996 to December 1996 (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)
OCT 30...	0900	81341	28	95	93	7.0	7.2	18.0	21.5	7.9	85
NOV 13...	0900	81341	31	79	72	7.1	7.3	7.5	4.5	10.8	89
DEC 17...	0900	81341	54	69	66	7.2	6.6	9.0	7.5	10.6	93

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)	ALKA- LITY WAT WH TOT 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	8.0	1.2	170	31	6	0.060	<0.030	0.040	4.0
NOV 13...	81341	8.0	<1.0	490	25	2	0.370	<0.030	0.040	2.0
DEC 17...	81341	11	<1.0	1100	18	4	0.450	<0.030	0.030	2.0

ALTAMAHA RIVER BASIN

02220850 BIG INDIAN CREEK NEAR MADISON, GA.

LOCATION.--Lat 33°31'32", long 83°31'28", Morgan County, Hydrologic Unit 03070101, at bridge on State Highway 83, 5.5 mi southwest of Madison and 5.5 mi upstream from Little Indian Creek.

DRAINAGE AREA.--29.5 mi².

PERIOD OF RECORD.--January 1996 to December 1996 (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)
OCT 30...	0815	81341	7.6	75	67	6.9	7.0	17.5	20.0	7.1	76
NOV 13...	0815	81341	10	75	71	6.9	6.9	9.5	4.5	8.6	74
DEC 17...	0830	81341	21	57	58	7.0	6.5	9.0	7.5	10	88

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)	ALKA- LITY WAT WH TOT 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	5.0	1.2	50	30	2	0.040	0.070	0.040	3.0
NOV 13...	81341	20	1.7	460	24	10	0.170	0.150	0.060	6.0
DEC 17...	81341	17	1.5	1300	20	7	0.190	0.070	0.040	4.0

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 (revised), 0.9 mi downstream from Gladly Creek, and 3.0 mi west of Eatonton.

DRAINAGE AREA.--262 mi².

WATER-DISCHARGE RECORDS

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)
Feb. 15	0700	2,420	13.09	Apr. 29	1100	2,960	14.41
Mar. 2	0600	*5,740	*20.18				

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	91	56	421	124	182	3450	176	560	138	87	187	21
2	85	57	813	132	172	4530	166	378	152	89	140	21
3	83	63	569	134	167	1330	162	345	175	80	100	20
4	78	66	274	126	165	734	163	533	138	69	82	19
5	69	61	202	181	168	547	162	448	116	58	74	19
6	61	62	169	255	168	469	162	292	105	53	64	18
7	63	66	155	229	154	395	166	242	99	48	56	17
8	89	106	150	264	338	345	152	210	101	49	53	16
9	94	308	136	1320	544	317	143	191	100	57	50	15
10	78	202	122	1560	381	300	138	202	94	59	51	15
11	66	125	115	1030	299	297	135	200	87	51	56	17
12	62	98	123	500	249	276	142	170	94	47	70	27
13	59	89	307	362	338	259	153	158	134	46	60	23
14	57	83	315	293	1050	304	144	145	177	44	53	20
15	54	80	212	251	2080	369	136	133	413	43	51	18
16	53	76	172	501	1590	282	135	124	386	41	65	17
17	52	74	162	520	873	247	131	113	263	69	65	15
18	52	76	169	351	533	234	123	108	303	100	56	14
19	50	85	175	279	426	232	114	105	269	71	50	13
20	50	100	161	247	362	234	111	113	210	55	50	15
21	48	93	140	223	362	226	115	119	163	47	58	14
22	48	95	130	206	853	216	123	109	135	44	53	17
23	47	91	128	220	817	204	178	99	121	60	45	16
24	46	83	130	217	495	195	181	95	109	158	38	18
25	47	80	134	318	387	190	143	105	100	504	34	260
26	48	85	127	278	337	227	124	117	191	284	32	722
27	48	113	126	226	324	243	174	109	139	156	30	797
28	50	96	136	212	869	209	1060	108	110	123	28	355
29	52	85	134	209	---	202	2610	110	97	101	26	447
30	55	83	128	197	---	197	1420	117	91	104	23	366
31	55	---	125	193	---	184	---	126	---	248	22	---
TOTAL	1890	2837	6360	11158	14683	17444	9042	5984	4810	3045	1822	3372
MEAN	61.0	94.6	205	360	524	563	301	193	160	98.2	58.8	112
MAX	94	308	813	1560	2080	4530	2610	560	413	504	187	797
MIN	46	56	115	124	154	184	111	95	87	41	22	13
CFSM	.23	.36	.78	1.37	2.00	2.15	1.15	.74	.61	.37	.22	.43
IN.	.27	.40	.90	1.58	2.08	2.48	1.28	.85	.68	.43	.26	.48

ALTAMAHA RIVER BASIN

02220900 LITTLE RIVER NEAR EATONTON, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1977 - 1997, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	126	170	217	348	547	488	345	205	125	98.2	130	70.5
MAX	833	885	634	838	1363	1017	941	604	273	388	496	192
(WY)	1990	1993	1984	1978	1995	1990	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 1996 CALENDAR YEAR		FOR 1997 WATER YEAR		WATER YEARS 1977 - 1997	
ANNUAL TOTAL	99235		82447		237	
ANNUAL MEAN	271		226		383	
HIGHEST ANNUAL MEAN					81.9	
LOWEST ANNUAL MEAN					1993	
HIGHEST DAILY MEAN	4220	Feb 3	4530	Mar 2	11400	Oct 2 1989
LOWEST DAILY MEAN	42	Sep 15	13	Sep 19	a1.9	Aug 4 1988
ANNUAL SEVEN-DAY MINIMUM	47	Oct 21	15	Sep 17	3.4	Aug 1 1986
INSTANTANEOUS PEAK FLOW			5740	Mar 2	b12600	Mar 3 1971
INSTANTANEOUS PEAK STAGE			20.18	Mar 2	28.78	Mar 18 1990
ANNUAL RUNOFF (CFSM)	1.03		.86		.91	
ANNUAL RUNOFF (INCHES)	14.09		11.71		12.30	
10 PERCENT EXCEEDS	541		416		461	
50 PERCENT EXCEEDS	134		128		121	
90 PERCENT EXCEEDS	56		45		31	

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

02220900 LITTLE RIVER NEAR EATONTON, GA.--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--July 1990 to February 1994, January 1996 to December 1996 (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)
OCT 30...	1000	81341	57	98	96	7.2	7.3	18.0	24.0	8.0	85
NOV 13...	0930	81341	89	88	85	7.5	7.4	7.5	6.5	11.2	92
DEC 17...	0945	81341	160	79	76	7.4	7.2	8.5	9.5	11.3	98

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)	ALKA- LITY WAT WH TOT FET LAB MG/L AS CACO3 (00417)
OCT 30...	81341	5.0	1.1	130	33
NOV 13...	81341	12	<1.0	230	24
DEC 17...	81341	17	1.3	170	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 30...	81341	0.020	<0.030	0.20	0.20	0.22	<0.020	3.0
NOV 13...	81341	0.380	<0.030	0.10	0.10	0.48	<0.020	3.0
DEC 17...	81341	0.290	<0.030	0.20	0.20	0.49	0.050	3.0

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.

WATER-DISCHARGE RECORDS

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)
Mar. 2	0400	*3,480	*6.70	No other peak greater than base 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	83	49	377	105	157	1610	129	310	94	57	134	21
2	78	53	693	125	152	2630	125	216	93	60	79	21
3	83	56	322	121	147	905	123	211	97	54	62	19
4	73	54	162	113	148	505	119	283	91	50	54	19
5	63	53	143	154	149	372	119	188	82	46	49	19
6	58	54	151	205	150	333	117	156	78	43	45	17
7	63	58	140	159	142	273	116	139	75	42	41	17
8	91	84	121	166	278	234	110	125	75	45	39	16
9	86	159	104	1050	344	230	106	118	74	46	38	16
10	68	90	101	1230	226	225	103	112	71	43	39	17
11	61	70	135	718	198	202	101	103	66	39	45	18
12	56	63	127	310	178	189	107	99	70	39	45	20
13	55	60	217	225	218	184	111	98	71	39	40	19
14	54	60	204	188	754	284	101	96	68	37	37	17
15	54	60	149	172	1510	287	97	91	159	35	36	16
16	52	57	130	407	1210	210	95	89	112	35	35	15
17	51	57	127	389	574	190	91	85	87	108	35	15
18	52	59	131	236	359	184	88	82	157	107	32	15
19	50	66	133	194	282	178	85	80	137	61	30	15
20	48	69	123	178	242	186	83	86	96	49	33	16
21	48	66	111	166	260	177	84	94	81	44	38	15
22	48	68	108	159	866	166	95	87	72	43	40	18
23	48	69	107	169	599	160	156	79	73	52	31	20
24	48	63	107	166	350	154	133	77	70	68	29	20
25	47	63	111	283	286	149	102	91	65	72	27	366
26	47	68	105	223	257	176	97	94	80	57	26	688
27	49	84	107	184	246	170	132	82	66	47	25	272
28	49	71	119	180	550	153	703	83	63	44	24	147
29	49	67	111	179	---	149	1350	82	59	44	23	114
30	49	68	107	167	---	146	781	88	56	91	22	84
31	55	---	104	165	---	136	---	91	---	442	21	---
TOTAL	1816	2018	4987	8486	10832	11147	5759	3715	2538	2039	1254	2092
MEAN	58.6	67.3	161	274	387	360	192	120	84.6	65.8	40.5	69.7
MAX	91	159	693	1230	1510	2630	1350	310	159	442	134	688
MIN	47	49	101	105	142	136	83	77	56	35	21	15
CFSM	.31	.35	.85	1.44	2.04	1.89	1.01	.63	.45	.35	.21	.37
IN.	.36	.40	.98	1.66	2.12	2.18	1.13	.73	.50	.40	.25	.41

ALTAMAHA RIVER BASIN

02221525 MURDER CREEK BELOW EATONTON, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1977 - 1997, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	74.8	113	144	239	372	344	252	141	80.0	78.4	88.7	46.6
MAX	322	583	386	559	858	783	674	359	154	351	468	115
(WY)	1990	1993	1984	1978	1995	1980	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 1996 CALENDAR YEAR

FOR 1997 WATER YEAR**WATER YEARS 1977 - 1997**

ANNUAL TOTAL	72642		56683			
ANNUAL MEAN	198		155		164	
HIGHEST ANNUAL MEAN					264	1984
LOWEST ANNUAL MEAN					68.1	1986
HIGHEST DAILY MEAN	3150	Mar 8	2630	Mar 2	6640	Mar 18 1990
LOWEST DAILY MEAN	38	Jul 13	15	Sep 16-19,21	2.1	Aug 6 1986
ANNUAL SEVEN-DAY MINIMUM	43	Aug 18	15	Sep 15	2.7	Aug 2 1986
INSTANTANEOUS PEAK FLOW			3480	Mar 2	9630	Mar 18 1990
INSTANTANEOUS PEAK STAGE			6.70	Mar 2	13.13	Mar 18 1990
INSTANTANEOUS LOW FLOW			13	Sep 22	2.1	Aug 6 1986
ANNUAL RUNOFF (CFSM)	1.04		.82		.86	
ANNUAL RUNOFF (INCHES)	14.22		11.10		11.70	
10 PERCENT EXCEEDS	352		283		294	
50 PERCENT EXCEEDS	111		91		85	
90 PERCENT EXCEEDS	49		34		26	

ALTAMAHA RIVER BASIN

02221525 MURDER CREEK BELOW EATONTON, GA.--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--July 1990 to January 1994, January 1996 to December 1996 (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)
OCT 30...	1030	81341	52	92	89	7.1	7.2	18.5	24.5	7.4	80
NOV 13...	1000	81341	64	84	86	7.1	7.4	7.0	7.0	11.2	91
DEC 17...	1015	81341	118	75	73	7.2	7.1	8.5	10.0	11.0	95

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)	ALKA- LINITY WAT WH TOT FET LAB MG/L AS CACO3 (00417)
OCT 30...	81341	12	1.2	80	38
NOV 13...	81341	9.0	<1.0	490	34
DEC 17...	81341	14	1.2	330	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 30...	81341	<0.020	<0.030	0.20	0.20	0.20	0.040	3.0
NOV 13...	81341	0.070	<0.030	0.20	0.20	0.27	0.020	2.0
DEC 17...	81341	0.150	<0.030	0.20	0.20	0.35	0.020	2.0

ALTAMAHA RIVER BASIN

02221900 BIG CEDAR CREEK NEAR EATONTON, GA.

LOCATION.--Lat 33°11'10", long 83°26'14", Putnam County-Jones County line, Hydrologic Unit 03070101, at bridge on U.S. Highway 129-State Highway 44, 11 mi southwest of Eatonton and approximately 2 mi upstream from Lake Sinclair.

DRAINAGE AREA.--133 mi².

PERIOD OF RECORD.--January 1996 to December 1996 (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)
OCT 30...	1100	81341	40	112	109	7.1	7.2	18.5	26.0	6.4	69
NOV 13...	1045	81341	110	106	105	7.2	7.4	7.0	11.0	10.1	82
DEC 17...	1045	81341	64	91	87	7.2	7.3	8.5	10.5	10.9	94

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)	ALKA- LINITY WAT WH TOT 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	10	1.5	230	48	8	<0.020	<0.030	0.040	3.0
NOV 13...	81341	8.0	<1.0	330	45	<1	0.180	<0.030	0.050	3.0
DEC 17...	81341	19	1.1	1700	33	5	0.070	<0.030	<0.020	2.0

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.

WATER-DISCHARGE RECORDS

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. 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.--94 years, 3,288 ft³/s, 15.13 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 1996 TO SEPTEMBER 1997
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1690	823	5060	1930	2430	18600	1500	7590	2430	1560	2620	641
2	2080	829	7440	1850	1890	38300	1910	7570	2290	1690	2230	569
3	1640	805	7430	1420	2330	19700	1890	7620	1900	3270	1630	513
4	766	770	4890	1080	2380	17300	1460	7560	1720	752	2000	524
5	778	726	1890	2010	2740	7650	1430	7540	1690	763	1220	555
6	772	691	1470	2390	2430	7620	1420	6390	1570	700	796	486
7	1870	731	1370	3430	2410	6200	2550	5030	1490	645	1150	490
8	1680	2080	1370	2650	3390	2970	2420	4020	1390	702	1180	458
9	1440	2160	1450	10700	3350	4540	2200	2500	1180	693	737	431
10	1160	1640	741	12900	3850	5130	2050	746	1140	668	738	373
11	797	1660	1230	7640	3620	4140	1750	705	725	720	689	414
12	682	1590	1700	7600	3100	4240	1500	647	704	718	734	529
13	673	2490	2060	7550	5450	3290	1530	1140	1470	700	651	527
14	673	1730	1780	7510	8180	3380	1550	2300	1380	696	689	473
15	647	1150	1510	7130	23200	4220	2590	2440	5110	701	703	474
16	668	1840	2130	3920	19400	3330	3110	2320	6090	882	708	480
17	732	826	4040	2520	12400	3360	3000	814	5580	665	714	457
18	770	773	4060	2890	7570	2980	1430	711	6330	2500	1380	456
19	748	750	3790	2370	7530	2970	1430	690	7520	1630	893	467
20	751	760	2500	3560	7460	2970	1490	816	7530	2490	679	432
21	750	904	1560	3780	5600	2920	1430	1700	4160	1770	848	427
22	682	810	575	3250	8500	2630	1420	1990	2550	668	659	400
23	644	776	978	3200	7750	2810	1450	1320	722	2470	655	357
24	704	817	981	3780	7680	1500	2100	802	590	23500	651	343
25	704	891	476	2370	7640	1500	1940	959	1480	12300	606	3030
26	674	1340	466	3810	6360	1510	762	949	744	4920	705	7650
27	787	1220	3970	2900	3770	2210	760	1420	1450	2490	695	13600
28	794	1260	1710	4550	4920	1880	5810	1930	1520	3210	677	5200
29	781	1180	1260	2430	---	1840	18200	1910	2700	689	650	6990
30	788	1150	2400	2770	---	1850	11600	1750	2450	686	647	7420
31	814	---	1820	2440	---	1490	---	2210	---	1630	667	---
TOTAL	29139	35172	74107	128330	177330	185030	83682	86089	77605	77478	29601	55166
MEAN	940	1172	2391	4140	6333	5969	2789	2777	2587	2499	955	1839
MAX	2080	2490	7440	12900	23200	38300	18200	7620	7530	23500	2620	13600
MIN	644	691	466	1080	1890	1490	760	647	590	645	606	343
MEAN†	818	1293	2274	4062	6425	6028	3162	2455	2608	2489	838	2166
CFSM†	.28	.44	.77	1.38	2.18	2.04	1.07	.83	.88	.84	.28	.73
IN.†	.32	.49	.89	1.59	2.27	2.36	1.20	.96	.99	.97	.33	.82

ALTAMAHA RIVER BASIN

02223000 OCONEE RIVER AT MILLEDGEVILLE, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1953 - 1997, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	1755	1930	2895	4571	5877	6286	4479	3007	2102	1672	1531	1223
MAX	8495	7929	7946	8879	12300	14030	11780	9288	7142	5081	6372	2811
(WY)	1990	1993	1993	1978	1995	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 1996 CALENDAR YEAR		FOR 1997 WATER YEAR		WATER YEARS 1953 - 1997	
ANNUAL TOTAL	1219018		1038729			
ANNUAL MEAN	3331		2846		3097	
HIGHEST ANNUAL MEAN	†3358		†2863		5581	
LOWEST ANNUAL MEAN					1133	
HIGHEST DAILY MEAN	48600		38300		81500	
LOWEST DAILY MEAN	466		343		90	
ANNUAL SEVEN-DAY MINIMUM	692		412		129	
INSTANTANEOUS PEAK FLOW			39000		122000	
INSTANTANEOUS PEAK STAGE			26.66		42.70	
ANNUAL RUNOFF (CFSM)	1.13		.96		1.05	
ANNUAL RUNOFF (INCHES)	15.37		13.10		14.26	
10 PERCENT EXCEEDS	7310		7450		7200	
50 PERCENT EXCEEDS	1640		1630		1860	
90 PERCENT EXCEEDS	716		651		410	

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	b95000
INSTANTANEOUS PEAK STAGE	c38.70
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 Aug 31 and Sep 1,7,9-13,23-25, 1925.

b From rating curve extended above 77,000 ft³/s.

c From floodmarks.

ALTAMAHA RIVER BASIN

02223000 OCONEE RIVER AT MILLEDGEVILLE, GA.--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--March 1968 to February 1994, January 1996 to December 1996 (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)
OCT 23...	1000	81341	664	60	60	7.2	6.6	20.0	14.0	8.2	91
NOV 07...	0850	81341	671	62	61	7.3	7.0	19.5	20.5	9.1	99
DEC 11...	0935	81341	664	65	54	7.4	7.1	13.0	14.5	10.3	98

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)	ALKA- LINITY WAT WH TOT 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 23...	81341	2.0	<1.0	<20	18	0.070	<0.030	<0.020	2.0
NOV 07...	81341	2.0	<1.0	110	19	0.140	<0.030	0.040	2.0
DEC 11...	81341	6.0	<1.0	20	22	0.060	<0.030	<0.020	2.0

ALTAMAHA RIVER BASIN

02223040 OCONEE RIVER NEAR HARDWICK, GA.

LOCATION.--Lat 33°01'45", long 83°11'24.; Baldwin County, Hydrologic Unit 03070102, at public boat ramp on right bank 1 mi downstream from Camp Creek, and 3 mi southeast of Hardwick.

PERIOD OF RECORD.--July 1974 to February 1994, January 1996 to December 1996 (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 Oconee and Sinclair Reservoir (see "Lakes and Reservoirs in Altamaha River Basin", stations 02220450 and 02222500). Discharge obtained from gaging station 02223000, Oconee River at Milledgeville, Ga.

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)
OCT 23...	0850	81341	644	66	65	6.2	6.8	20.0	14.5	8.3	92
NOV 07...	0750	81341	671	69	68	7.2	7.0	19.5	18.5	8.6	93
DEC 11...	0845	81341	618	74	75	7.3	7.1	12.5	8.5	9.9	94

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)	ALKA- LINITY WAT WH TOT 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 23...	81341	2.0	<1.0	110	20	0.150	<0.030	0.030	2.0
NOV 07...	81341	2.0	<1.0	3300	21	0.080	<0.030	0.020	3.0
DEC 11...	81341	6.0	<1.0	230	22	0.120	0.040	0.030	2.0

ALTAMAHA RIVER BASIN

02223050 TOWN CREEK NEAR MILLEDGEVILLE, GA.

LOCATION.--Lat 32°59'30", long 83°04'25", Baldwin County, Hydrologic Unit 03070102, at bridge on State Highway 24, 11 mi southeast of Milledgeville and 3 mi upstream from mouth.

DRAINAGE AREA.--59.9 mi².

PERIOD OF RECORD.--January 1996 to December 1996 (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)
OCT 23...	1055	81341	17	32	31	6.7	6.4	15.5	16.0	8.4	85
NOV 07...	0940	81341	22	34	32	6.6	6.3	16.0	21.0	8.5	86
DEC 11...	1025	81341	45	33	33	6.6	6.5	8.0	17.0	10.5	89

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)	ALKA- LITY WAT WH TOT 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...	81341	6.0	<1.0	80	6	4	0.140	<0.030	<0.020	3.0
NOV 07...	81341	4.0	<1.0	20	6	3	2.04	0.760	0.420	4.0
DEC 11...	81341	6.0	<1.0	80	7	4	0.130	<0.030	<0.020	3.0

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 good. 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, 19.24 ft Mar. 8, minimum daily discharge 612 ft³/s, July 23.

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	1500	814	2230	1900	2520	---	1540	---	2430	1600	2350	662
2	1570	824	6580	1930	2320	---	1530	7750	2490	1710	2580	651
3	1890	831	6960	1860	2000	---	1850	7640	2110	2530	2100	591
4	1550	785	5770	1540	2470	---	1830	7660	1800	2530	1860	573
5	843	780	3250	1240	2400	---	1480	7560	1760	926	2100	580
6	802	751	2290	2110	2640	---	1460	7240	1680	876	1360	575
7	929	726	1270	2970	2520	7570	1470	5930	1570	782	910	554
8	2090	873	1470	2720	2510	5000	2460	4740	1480	796	1230	537
9	1500	2470	1760	---	3960	3780	2360	3950	1320	837	1240	518
10	1460	1680	1260	---	3120	5370	2190	1640	1180	816	839	491
11	1240	1620	896	---	4240	4690	2140	1060	1060	780	816	474
12	881	1410	1300	8080	2820	4570	1630	930	815	832	773	501
13	795	1640	1970	7830	4070	4180	1540	922	813	798	755	572
14	777	2230	2200	7740	7530	3640	1560	1790	1570	785	724	536
15	765	1720	1940	7680	---	3850	1800	2500	2440	786	772	517
16	745	1400	1930	6120	---	4220	2970	2470	6330	810	749	518
17	785	1580	2500	3230	---	3450	3060	1840	5590	1050	762	519
18	809	927	4010	3460	---	3380	2190	953	5610	1240	780	502
19	831	883	3880	2710	8130	3100	1490	871	6880	2190	1380	511
20	793	849	3760	2960	7870	3060	1490	837	7190	2100	977	501
21	810	860	3360	3760	6300	3050	1480	1220	5960	2160	736	483
22	780	980	2410	3790	---	2790	1490	1860	3340	1930	880	479
23	740	895	1290	3400	---	2470	1570	1870	1990	1140	703	453
24	732	861	869	3630	8310	2760	1540	1100	897	---	715	438
25	756	869	1280	3460	8080	1640	2660	949	786	---	649	571
26	746	942	1040	2890	7630	1620	1200	1110	1590	---	681	6490
27	763	1290	757	3650	4690	1630	952	1030	951	3900	709	---
28	801	1230	1490	3960	4820	2170	2370	1780	1470	4020	703	---
29	810	1230	2980	3820	---	1870	---	1960	1680	1870	688	7020
30	805	1160	1760	2410	---	1840	---	1850	3670	974	663	7640
31	809	---	2280	2810	---	1830	---	1880	---	1250	666	---
TOTAL	31107	35110	76742	---	---	---	---	---	78452	---	32850	---
MEAN	1003	1170	2476	---	---	---	---	---	2615	---	1060	---
MAX	2090	2470	6960	---	---	---	---	---	7190	---	2580	---
MIN	732	726	757	---	---	---	---	---	786	---	649	---

ALTAMAHA RIVER BASIN

02223065 BLUFF CREEK NEAR OCONEE, GA.

LOCATION.--Lat 32°57'18", long 83°02'01", Washington County, Hydrologic Unit 03070102, at bridge on State Highway 272, 8 mi northwest of Oconee and 2 mi upstream from mouth.

DRAINAGE AREA.--12.9 mi².

PERIOD OF RECORD.--January 1996 to December 1996 (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)	GAGE HEIGHT (FEET) (00065)	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...	1125	81341	2.08	0.0	--	--	--	--	--	--	--	--
NOV 07...	1005	81341	2.12	0.0	--	--	--	--	--	--	--	--
DEC 11...	1100	81341	2.57	--	127	124	5.1	5.0	9.0	17.5	6.4	55

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)	ALKA- LINITY WAT WH TOT 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 23...	81341	--	--	--	--	--	--	--	--
NOV 07...	81341	--	--	--	--	--	--	--	--
DEC 11...	81341	4.0	<1.0	50	1	<0.020	<0.030	<0.020	4.0

ALTAMAHA RIVER BASIN

02223110 BUFFALO CREEK NEAR OCONEE, GA.

LOCATION.--Lat 32°53'28", long 82°57'40", Washington County, Hydrologic Unit 03070102, on downstream side of bridge on State Highway 272, 2.4 mi downstream from Lamars Creek, 2.5 mi north of Oconee and 3.7 mi above mouth.

DRAINAGE AREA.--291 mi².

PERIOD OF RECORD.--January 1996 to December 1996 (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 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...	1220	81341	85	344	335	--	5.6	15.0	18.0	7.9	79
NOV 07...	1030	81341	87	410	398	6.5	5.7	15.5	22.0	7.3	73
DEC 11...	1145	81341	208	285	275	6.2	6.0	8.0	18.5	9.9	84

DATE	AGENCY ANA- LYZING SAMPLE NUMBER (00028)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)	ALKA- LITY WAT WH TOT 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...	81341	6.0	1.8	50	3	8	1.97	1.71	0.130	4.0
NOV 07...	81341	5.0	1.9	170	3	5	0.050	<0.030	<0.020	2.0
DEC 11...	81341	5.0	1.0	460	5	3	0.940	0.650	0.340	4.0

ALTAMAHA RIVER BASIN

02223200 COMMISSIONER CREEK AT TOOMSBORO, GA.

LOCATION.--Lat 32°49'53", long 83°04'43", Wilkinson County, Hydrologic Unit 03070102, at bridge on State Highway 112 at north city-limit of Toombsboro and 7.5 mi upstream from mouth.

DRAINAGE AREA.--191 mi².

PERIOD OF RECORD.--January 1996 to December 1996 (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)
OCT 23...	0700	81341	490	660	644	6.3	6.7	15.0	15.5	8.0	80
NOV 06...	1545	81341	520	628	607	6.5	6.6	14.5	25.5	8.5	83
DEC 11...	0730	81341	630	380	360	6.5	6.4	8.0	6.5	9.7	83

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)	ALKA- LINITY WAT WH TOT 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...	81341	3.0	1.0	130	14	3	1.26	0.770	<0.020	3.0
NOV 06...	81341	4.0	<1.0	20	9	2	1.24	0.740	<0.020	3.0
DEC 11...	81341	4.0	<1.0	90	9	2	0.540	0.590	<0.020	4.0

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 1996 TO SEPTEMBER 1997
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2490	945	1590	2410	3310	6600	2150	12400	2300	2680	2460	745
2	2430	955	5090	2440	3200	9790	1990	12500	2540	1900	3100	731
3	2730	962	7320	2390	2800	15400	2170	11400	2420	1930	2780	718
4	2350	953	7770	2110	2930	26700	2280	10000	2100	3070	2100	678
5	1670	912	6020	1870	3070	23200	2010	9030	1890	1530	2300	668
6	1220	901	3150	2450	3200	18100	1820	8490	1840	1020	1760	678
7	1150	888	2590	2980	3070	14700	1800	7580	1730	938	1230	645
8	2260	967	1940	4100	3010	11400	2460	5910	1640	874	1210	633
9	2730	2000	1990	5120	3840	6060	2710	4640	1530	930	1310	616
10	2330	2470	2180	10200	3760	5480	2520	3230	1330	950	1060	604
11	2230	2110	1460	13200	4400	5860	2400	1610	1250	878	909	582
12	1790	2150	1490	14100	3880	5140	2190	1300	1020	885	874	577
13	1330	1940	2130	13100	3620	5070	1860	1130	909	887	872	622
14	1140	2640	2740	11600	6510	4560	1820	1340	1270	851	843	651
15	1060	2180	2470	10200	10500	4500	1820	2330	1580	837	837	606
16	1010	1760	2290	9620	13800	4980	2650	2590	4380	838	848	597
17	967	1910	2690	6920	18300	4420	3150	2450	5790	1020	853	597
18	994	1510	4060	4420	20900	4150	2980	1450	5590	1070	895	598
19	990	1130	4490	4300	17800	3780	1910	1060	6120	2170	1240	588
20	978	1080	4350	3610	14600	3670	1700	978	7130	1950	1170	596
21	947	1070	3300	4300	12000	3650	1680	987	7400	2470	1060	576
22	956	1230	2600	4520	10700	3560	1640	1620	4810	1940	959	575
23	905	1220	1560	4160	12200	3280	1760	2020	3150	1330	946	563
24	876	1160	1460	4020	13100	3290	1820	1590	1520	2460	823	536
25	887	1180	1760	4520	12900	2520	2300	1100	1030	7640	815	581
26	892	1190	1220	3460	11800	2280	2330	1120	1360	11100	759	2870
27	879	1450	1070	4270	10000	2270	1460	1150	1300	11300	791	7170
28	919	1560	3370	4070	6620	2610	1600	1440	1470	6650	793	9400
29	935	1540	2510	4780	---	2550	5580	2020	1630	4040	782	10100
30	940	1490	1990	3460	---	2430	9800	2080	2700	1780	758	9630
31	938	---	2590	3490	---	2400	---	1960	---	1580	738	---
TOTAL	43923	43453	91240	172190	235820	214400	74360	118505	80729	79498	37875	54731
MEAN	1417	1448	2943	5555	8422	6916	2479	3823	2691	2564	1222	1824
MAX	2730	2640	7770	14100	20900	26700	9800	12500	7400	11300	3100	10100
MIN	876	888	1070	1870	2800	2270	1460	978	909	837	738	536

ALTAMAHA RIVER BASIN

02223248 OCONEE RIVER NEAR OCONEE, GA.

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1993 - 1997, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	3352	4349	4961	6339	9502	9997	4914	2799	2379	2635	2329	1707
MAX	7142	8209	10010	10300	13710	13710	9089	3823	2944	7508	6706	3045
(WY)	1995	1993	1993	1993	1995	1993	1993	1997	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 1996 CALENDAR YEAR

FOR 1997 WATER YEAR

WATER YEARS 1993 - 1997

ANNUAL TOTAL	1527751		1246724			
ANNUAL MEAN	4174	†4201	3416	†3433	4250	†4272
HIGHEST ANNUAL MEAN					4956	1996
LOWEST ANNUAL MEAN					3416	1997
HIGHEST DAILY MEAN	42000	Mar 10	26700	Mar 4	42000	Mar 10 1996
LOWEST DAILY MEAN	790	Jul 24	536	Sep 24	482	Aug 3 1993
ANNUAL SEVEN-DAY MINIMUM	892	Jul 21	574	Sep 19	512	Aug 25 1993
INSTANTANEOUS PEAK FLOW			28100	Mar 4	a62300	Feb 20 1995
INSTANTANEOUS PEAK STAGE			21.03	Mar 4	b25.82	Feb 20 1995
ANNUAL RUNOFF (CFSM)	1.11	†1.11	.91	†.91	1.13	†1.13
ANNUAL RUNOFF (INCHES)	15.07	†15.13	12.30	†12.37	15.32	†15.39
10 PERCENT EXCEEDS	9540		9490		11100	
50 PERCENT EXCEEDS	2250		2100		2800	
90 PERCENT EXCEEDS	937		841		806	

† Adjusted for change in contents in Lake Oconee and Sinclair Reservoir.

a From rating curve extended above 43,000 ft³/s

b From floodmarks

ALTAMAHA RIVER BASIN

02223250 OCONEE RIVER NEAR TOOMSBORO, GA.

LOCATION.--Lat 32°46'54", long 82°57'30", Wilkinson-Washington County line, Hydrologic Unit 03070102, at Balls Ferry Bridge on State Highway 57, 3.2 mi downstream from Commissioner Creek, 7.5 mi east of Toombsboro, and at mile 96.2.

DRAINAGE AREA.--3,770 mi².

PERIOD OF RECORD.--February 1979 to December 1996 (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 Oconee and Sinclair Reservoir (see "Lakes and Reservoirs in Altamaha River Basin", stations 02220450 and 02222500).

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)
OCT 22...	1440	81341	964	120	119	7.2	7.1	18.5	26.0	9.1	98
NOV 06...	1445	81341	900	129	125	7.3	7.0	18.0	25.0	9.3	98
DEC 10...	1545	81341	2110	100	98	7.3	6.8	11.5	17.5	10.2	94

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)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)	ALKA- LITY WAT WH TOT 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	30	4.0	<1.0	80	19	0.350	0.090	0.030	2.0
NOV 06...	81341	10	3.0	<1.0	170	20	0.400	0.070	0.030	2.0
DEC 10...	81341	20	16	<1.0	80	18	0.200	0.040	0.050	3.0

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.--100 years (water years 1898-1997), 4,895 ft³/s, 15.11 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)
Feb. 19	2400	19,400	19.72	Mar. 6	1200	*23,200	*21.33

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	2710	1100	1820	2880	4400	8510	2660	9610	2220	3530	2280	808
2	3370	1130	3720	2870	4060	8530	2310	10700	2660	2180	3160	805
3	3020	1150	6740	2880	3660	9980	2260	11200	2730	2040	3200	790
4	3050	1150	7620	2660	3330	12200	2520	11100	2410	2710	2570	751
5	2400	1100	7540	2350	3660	19200	2460	10300	2100	2630	2290	712
6	1580	1090	5110	2330	3620	23000	2090	9380	2020	1310	2250	712
7	1400	1070	3490	3200	3740	21300	2010	8690	1930	1140	1640	715
8	2100	1140	2310	4540	3580	18000	2150	7520	1840	1040	1250	678
9	3560	1550	2210	5500	3870	14200	2950	5880	1740	1180	1390	663
10	2860	2930	2410	8230	4790	8960	2870	4700	1570	1330	1380	663
11	2700	2400	1980	10100	4490	6990	2690	2530	1430	1150	1100	666
12	2360	2340	1560	11300	5070	6290	2590	1700	1320	1030	1040	645
13	1760	2160	1990	12200	4270	5910	2170	1470	1120	1040	1000	652
14	1460	2450	2810	12300	6260	5900	2000	1390	1120	991	991	706
15	1330	2680	2930	11700	9960	5770	1980	2040	1710	959	981	728
16	1270	2220	2720	11000	11500	5720	2270	2700	2820	948	1030	716
17	1200	1940	2790	10100	12600	5680	3310	2730	5750	981	1030	685
18	1190	2030	3640	7080	15100	5110	3460	2160	5980	1210	1060	672
19	1180	1440	4990	5630	18500	4810	2580	1380	6110	1470	1120	662
20	1180	1340	5050	4760	19000	4560	1890	1230	6820	2180	1470	646
21	1130	1300	4440	4700	17100	4470	1810	1170	7340	2210	1270	638
22	1130	1360	3440	5100	16300	4400	1790	1440	6780	2200	1120	642
23	1100	1490	2270	5060	14600	4100	1870	2020	4270	1910	1130	649
24	1050	1410	1690	4790	13500	3800	2020	2050	2520	1510	985	642
25	1040	1380	1960	5120	13200	3650	2060	1470	1400	5030	929	642
26	1060	1390	1740	4890	13000	2710	2930	1290	1210	7900	877	1380
27	1050	1460	1410	4550	12400	2680	2010	1400	1670	9290	859	6400
28	1060	1760	2340	4890	11000	2760	2640	1420	1340	9390	885	8220
29	1100	1720	3470	5280	---	3180	5050	2020	1670	6520	877	9180
30	1100	1710	2460	5170	---	2920	8080	2240	2050	3080	853	9450
31	1100	---	2360	4360	---	2790	---	2190	---	1820	821	---
TOTAL	53600	49390	101010	187520	256560	238080	79480	127120	85650	81909	42838	51918
MEAN	1729	1646	3258	6049	9163	7680	2649	4101	2855	2642	1382	1731
MAX	3560	2930	7620	12300	19000	23000	8080	11200	7340	9390	3200	9450
MIN	1040	1070	1410	2330	3330	2680	1790	1170	1120	948	821	638

ALTAMAHA RIVER BASIN

02223500 OCONEE RIVER AT DUBLIN, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1953 - 1997, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	2251	2413	4039	6526	8618	9604	7229	4196	2848	2375	2135	1592
MAX	9883	8254	12390	11940	20620	19120	17960	13390	8439	8767	7706	3625
(WY)	1990	1993	1993	1993	1960	1971	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 1996 CALENDAR YEAR

FOR 1997 WATER YEAR

WATER YEARS 1953 - 1997

ANNUAL TOTAL	1668802		1355075									
ANNUAL MEAN	4560	†4587	3713	†3730						4465		
HIGHEST ANNUAL MEAN										7909		1964
LOWEST ANNUAL MEAN										1722		1988
HIGHEST DAILY MEAN	37800	Feb 7	23000	Mar 6						67100	Mar 7 1971	
LOWEST DAILY MEAN	944	Jul 25	638	Sep 21						351	Oct 19 1954	
ANNUAL SEVEN-DAY MINIMUM	1070	Oct 23	646	Sep 19						392	Oct 13 1954	
INSTANTANEOUS PEAK FLOW			23200	Mar 6						70100	Mar 6 1971	
INSTANTANEOUS PEAK STAGE			21.33	Mar 6						30.21	Mar 6 1971	
ANNUAL RUNOFF (CFSM)	1.04	†1.04	.84	†.85						1.01		
ANNUAL RUNOFF (INCHES)	14.11	†14.17	11.46	†11.51						13.79		
10 PERCENT EXCEEDS	10400		9330							10500		
50 PERCENT EXCEEDS	2650		2280							2580		
90 PERCENT EXCEEDS	1110		983							815		

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				1912							
LOWEST ANNUAL MEAN	2654				1911							
HIGHEST DAILY MEAN	94900				Apr 13 1936							
LOWEST DAILY MEAN	350				Sep 11 1951							
ANNUAL SEVEN-DAY MINIMUM	367				Sep 9 1951							
INSTANTANEOUS PEAK FLOW	97700				Apr 12,13 1936							
INSTANTANEOUS PEAK STAGE	32.97				Apr 12,13 1936							
INSTANTANEOUS LOW FLOW	a333				Sep 12 1951							
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 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)
OCT 22...	1230	81341	1130	172	170	7.2	6.8	17.0	25.5	8.9	93
NOV 06...	1230	81341	1090	167	166	7.2	7.0	16.5	23.5	9.3	95
DEC 10...	1320	81341	2490	130	129	7.2	6.8	11.0	18.0	10.1	91
JAN 30...	1245	81341	5150	87	82	7.1	6.9	11.0	9.0	10.0	90
FEB 27...	1230	81341	12400	75	75	6.8	6.9	12.5	26.5	9.4	87
MAR 27...	1245	81341	2680	125	121	7.1	7.1	19.0	25.5	8.9	95
MAY 01...	1130	81341	9590	69	66	6.8	7.0	20.5	24.5	8.0	89
29...	1130	81341	2060	146	140	7.0	7.0	21.5	23.5	7.4	84
JUN 26...	1100	81341	1170	157	146	7.0	7.3	28.5	29.5	6.5	83
JUL 31...	1100	81341	1790	142	137	7.1	6.9	26.5	21.5	6.3	78
AUG 28...	1130	81341	890	186	182	7.2	7.0	27.5	29.5	6.2	79
SEP 25...	1130	81341	622	232	228	7.2	7.0	25.5	28.0	6.2	76

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 22...	81341	10	4.0	13	1.3	24	5
NOV 06...	81341	15	3.0	15	1.1	25	3
DEC 10...	81341	35	13	13	1.3	20	19
JAN 30...	81341	50	20	13	1.1	19	21
FEB 27...	81341	60	27	17	1.0	17	21
MAR 27...	81341	85	21	15	1.3	25	16
MAY 01...	81341	100	60	--	1.1	15	59
29...	81341	70	25	12	1.0	21	26
JUN 26...	81341	15	19	14	<1.0	28	25
JUL 31...	81341	20	25	21	1.5	20	36
AUG 28...	81341	20	3.0	14	1.3	27	2
SEP 25...	81341	15	3.0	20	1.8	30	7

ALTAMAHA RIVER BASIN

02223600 OCONEE RIVER AT I-16, NEAR DUBLIN, GA.--Continued

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

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	.330	.140	.36	.50	.83	.050	4.0
NOV 06...	81341	.320	.120	.28	.40	.72	.050	4.0
DEC 10...	81341	.210	.070	.33	.40	.61	.060	4.0
JAN 30...	81341	.260	<.030	--	.40	.66	.070	4.0
FEB 27...	81341	.270	.050	.45	.50	.77	.060	5.0
MAR 27...	81341	.430	.070	.33	.40	.83	.070	4.0
MAY 01...	81341	.380	.050	--	--	--	.110	4.0
29...	81341	.600	.060	.34	.40	1.0	.080	3.0
JUN 26...	81341	.590	.040	.26	.30	.89	.140	3.0
JUL 31...	81341	.300	.060	.44	.50	.80	.090	6.0
AUG 28...	81341	.360	.070	.33	.40	.76	.040	4.0
SEP 25...	81341	.380	.130	.47	.60	.98	.130	5.0

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
OCT 22...	1230	81341	1130	270
NOV 06...	1230	81341	1090	11000
DEC 10...	1320	81341	2490	2800
JAN 30...	1245	81341	5150	4900
FEB 27...	1230	81341	12400	330
MAR 27...	1245	81341	2680	1100
MAY 01...	1130	81341	9590	4900
29...	1130	81341	2060	13000
JUN 26...	1100	81341	1170	230
JUL 31...	1100	81341	1790	1100
AUG 28...	1130	81341	890	7900
SEP 04...	1130	81213	751	E2300
11...	1100	81213	674	1700
25...	1130	81341	622	17000

ALTAMAHA RIVER BASIN

02224100 TURKEY CREEK NEAR DUBLIN, GA.

LOCATION.--Lat 32°27'21", long 82°56'32", Laurens County, Hydrologic Unit 03070102, at bridge on U.S. Highway 441, 6 mi south of Dublin and 8.5 mi upstream from mouth.

DRAINAGE AREA.--316 mi².

PERIOD OF RECORD.--January 1996 to December 1996 (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)
OCT 22...	1310	81341	49	110	111	7.3	7.0	14.0	26.0	8.6	84
NOV 06...	1310	81341	60	113	111	7.2	7.1	14.5	23.5	7.7	76
DEC 10...	1400	81341	102	97	96	7.2	6.8	8.0	17.5	9.9	83

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)	ALKA- LITY WAT WH TOT 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	5.0	<1.0	70	40	2	0.360	<0.030	0.030	5.0
NOV 06...	81341	5.0	<1.0	80	44	<1	0.200	<0.030	0.040	5.0
DEC 10...	81341	5.0	1.0	50	32	<1	0.240	<0.030	0.030	5.0

ALTAMAHA RIVER BASIN

02224310 OCONEE RIVER NEAR SOPERTON, GA.

LOCATION.--Lat 32°17'42", long 82°41'49", Treutlen County, Hydrologic Unit 03070102, at bridge on State Highway 46, 8 mi southwest of Soperton and 2.2 mi upstream from Bass Branch.

DRAINAGE AREA.--4,920 mi².

PERIOD OF RECORD.--January 1996 to December 1996 (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 Oconee and Sinclair Reservoir (see "Lakes and Reservoirs in Altamaha River Basin", stations 02220450 and 02222500).

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)
OCT 22...	1130	81341	1630	161	159	7.3	6.9	17.5	25.0	8.4	88
NOV 06...	1130	81341	1580	169	165	7.3	7.3	16.5	23.5	8.8	90
DEC 10...	1220	81341	2600	125	121	7.4	6.8	11.5	17.0	9.4	86

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)	ALKA- LITY WAT WH TOT 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	5.0	<1.0	130	29	6	0.440	0.060	0.040	3.0
NOV 06...	81341	4.0	<1.0	50	31	5	0.420	0.170	0.040	4.0
DEC 10...	81341	13	1.0	1100	21	19	0.240	0.050	0.060	4.0

ALTAMAHA RIVER BASIN

02224500 OCONEE RIVER NEAR MOUNT VERNON, GA.

LOCATION.--Lat 32°11'28", long 82°38'00", Montgomery County, Hydrologic Unit 03070102, at bridge on U.S. Highway 280, 0.2 mi upstream from Flat Creek, and 2.4 mi northwest of Mount Vernon.

DRAINAGE AREA.--5,110 mi².

PERIOD OF RECORD.--September 1990 to December 1996 (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 Oconee and Sinclair Reservoir (See "Lakes and reservoirs in Altamaha River Basin" stations 02220450 and 02222500, respectively). Water-discharge records for water years 1938-1956 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)
OCT 22...	1035	81341	1260	158	157	7.3	7.0	17.0	22.0	8.4	88
NOV 06...	1030	81341	1200	166	161	7.2	7.2	17.0	21.5	8.9	91
DEC 10...	1125	81341	2300	124	120	7.3	6.6	11.5	13.0	9.5	86

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)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)	ALKA- LITY WAT WH TOT 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	10	8.0	<1.0	<20	30	0.460	0.050	0.050	3.0
NOV 06...	81341	15	4.0	<1.0	80	32	0.410	0.180	0.050	3.0
DEC 10...	81341	40	13	<1.0	40	22	0.220	0.080	0.050	4.0

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)
Feb. 27	0800	*51,300	*17.64	Mar. 13	0700	41,700	16.52

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	3350	2790	3730	6300	17700	49900	7920	11600	6220	5320	8750	2430
2	3340	2730	4070	6160	17400	47500	7960	12800	6710	5610	6790	2380
3	3980	2680	4670	6500	16300	43800	7880	14000	6920	6360	6530	2330
4	4780	2700	5960	6660	15400	39400	7540	15200	7090	6060	6990	2270
5	5190	2800	7800	6790	14600	34800	7190	16100	6990	5680	7220	2220
6	5510	2880	9170	6880	13800	31200	6960	17000	6790	5680	6960	2150
7	5320	2890	10200	6930	13200	28800	6630	17800	6580	5660	6600	2080
8	5520	2890	10200	7230	12600	27900	6200	18600	6490	5040	6280	2040
9	6420	3010	8690	8470	12200	29200	5890	19200	6430	4640	5720	1990
10	7070	3380	7530	10400	11600	32900	5820	19700	6310	4200	5230	1950
11	7300	3860	7100	12300	11300	36900	6190	19500	6130	3880	4900	1920
12	6960	4680	7150	13600	11400	40100	6260	17800	5860	3810	4480	1860
13	6690	4920	7040	14800	11300	41300	6100	14800	5380	3720	3920	1840
14	6340	5000	6550	15900	12400	39400	5980	12000	4840	3600	3560	1820
15	5720	5110	6210	17100	17100	35500	5720	10200	4430	3510	3360	1820
16	4960	5250	6200	18500	22900	31900	5390	9300	4250	3480	3230	1840
17	4350	5350	6120	19900	26500	27700	5110	8880	4390	3400	3190	1850
18	3980	4930	6060	21100	28700	23800	5050	8180	5000	3300	3280	1850
19	3660	4490	6630	22000	29600	20700	5490	7000	6560	3210	3250	1840
20	3450	4230	7880	22500	30000	18200	5820	6070	7600	3240	3200	1820
21	3420	3810	9150	22300	30700	16000	5710	5230	8310	3370	3260	1810
22	3350	3510	9460	20800	33100	14500	5370	4700	9070	3790	3470	1830
23	3220	3330	9030	19200	38600	13600	5180	4380	9820	4070	3450	1820
24	3090	3380	8120	18400	44700	12900	4820	4280	10300	4360	3230	1820
25	2990	3670	7090	17600	48600	12100	4530	4530	9330	4250	3020	1800
26	2900	3800	6310	16500	50600	11100	4470	4670	7690	3990	2860	1820
27	2820	3820	6070	16000	50900	10200	4850	4500	6640	5310	2710	1900
28	2800	3800	5870	15500	50800	9220	6720	4340	6310	6970	2630	2310
29	2780	3680	5530	15000	---	8520	9140	4490	6140	8220	2590	4660
30	2800	3640	5830	15200	---	8110	10700	4840	5590	9380	2530	6770
31	2820	---	6630	16400	---	8030	---	5530	---	10100	2490	---
TOTAL	136880	113010	218050	442920	694000	805180	188590	327220	200170	153210	135680	66840
MEAN	4415	3767	7034	14290	24790	25970	6286	10560	6672	4942	4377	2228
MAX	7300	5350	10200	22500	50900	49900	10700	19700	10300	10100	8750	6770
MIN	2780	2680	3730	6160	11300	8030	4470	4280	4250	3210	2490	1800
CFSM	.38	.32	.61	1.23	2.14	2.24	.54	.91	.58	.43	.38	.19
IN.	.44	.36	.70	1.42	2.23	2.58	.60	1.05	.64	.49	.44	.21

ALTAMAHA RIVER BASIN

02225000 ALTAMAHA RIVER NEAR BAXLEY, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1949 - 1997, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	5577	5729	10060	16030	22410	24570	19080	9903	7057	6506	6351	4907
MAX	24560	14480	29870	36550	41600	47260	41730	20630	19380	32470	19600	13860
(WY)	1995	1996	1993	1993	1973	1975	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 1996 CALENDAR YEAR		FOR 1997 WATER YEAR		WATER YEARS 1949 - 1997	
ANNUAL TOTAL	4023250		3481750		11580	
ANNUAL MEAN	10990		9539		17720	
HIGHEST ANNUAL MEAN					5210	
LOWEST ANNUAL MEAN					1975	
HIGHEST DAILY MEAN	57800	Feb 12	50900	Feb 27	97900	Jul 16 1994
LOWEST DAILY MEAN	2650	Sep 22	1800	Sep 25	1620	Jul 21 1986
ANNUAL SEVEN-DAY MINIMUM	2760	Oct 29	1820	Sep 20	1660	Jul 17 1986
INSTANTANEOUS PEAK FLOW			51300	Feb 27	a98800	Jul 16 1994
INSTANTANEOUS PEAK STAGE			17.64	Feb 27	22.70	Mar 12 1971
ANNUAL RUNOFF (CFSM)	.95		.82		1.00	
ANNUAL RUNOFF (INCHES)	12.90		11.17		13.56	
10 PERCENT EXCEEDS	27500		20700		25500	
50 PERCENT EXCEEDS	6410		6160		7190	
90 PERCENT EXCEEDS	3140		2760		2720	

a Gage height, 22.58 ft.

ALTAMAHA RIVER BASIN

02225500 OHOOPEE RIVER NEAR REIDSVILLE, GA.

LOCATION.--Lat 32°04'42", long 82°10'39", Tattall 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 good. 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)
Feb. 27	1200	*6,320	*15.02	No other peak greater than base 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	78	91	130	301	2380	4730	670	1290	100	113	132	60
2	89	88	217	300	2460	3970	643	1450	135	123	374	59
3	91	85	367	303	2560	3390	599	1250	257	131	557	57
4	111	84	388	296	2500	2920	543	1150	259	124	527	78
5	106	87	380	300	2190	2560	478	1360	185	110	427	68
6	98	86	385	340	1870	2300	419	1440	151	100	295	58
7	103	85	358	425	1600	2080	375	1230	135	91	220	52
8	231	92	322	518	1380	1860	337	854	127	93	184	49
9	767	127	299	756	1250	1650	305	601	118	85	164	47
10	1090	185	272	1050	1150	1520	275	464	107	93	144	45
11	784	177	242	1220	1050	1410	251	395	99	118	129	44
12	640	170	217	1320	981	1300	236	354	93	153	149	43
13	564	183	204	1510	953	1210	226	322	90	147	171	42
14	490	180	197	1660	1270	1270	218	287	88	131	148	41
15	424	166	198	1680	2730	1560	208	250	88	117	152	39
16	358	151	202	1650	4540	1610	200	218	84	101	148	38
17	304	141	205	1510	4960	1660	193	194	80	93	157	36
18	258	133	214	1320	5470	2000	184	177	79	81	170	36
19	220	127	338	1160	5220	2320	175	163	94	73	147	35
20	191	121	586	1010	4990	2280	167	152	98	67	174	34
21	169	117	669	927	4730	1950	159	142	94	63	201	33
22	151	114	622	952	4470	1660	153	133	86	59	177	32
23	138	113	584	1000	5110	1450	156	125	82	57	152	31
24	128	112	541	997	5880	1270	157	121	80	54	128	31
25	120	112	493	971	5700	1120	162	119	74	57	108	33
26	112	110	448	1030	5950	1010	159	115	73	60	94	38
27	107	107	406	1090	6250	927	159	113	91	58	85	46
28	103	104	370	1120	5750	845	318	111	104	62	78	52
29	100	104	346	1130	---	776	793	109	109	64	72	63
30	96	105	327	1260	---	723	1080	106	110	64	65	79
31	94	---	311	1830	---	687	---	103	---	80	63	---
TOTAL	8315	3657	10838	30936	95344	56018	9998	14898	3370	2822	5792	1399
MEAN	268	122	350	998	3405	1807	333	481	112	91.0	187	46.6
MAX	1090	185	669	1830	6250	4730	1080	1450	259	153	557	79
MIN	78	84	130	296	953	687	153	103	73	54	63	31
CFSM	.24	.11	.31	.90	3.07	1.63	.30	.43	.10	.08	.17	.04
IN.	.28	.12	.36	1.04	3.20	1.88	.34	.50	.11	.09	.19	.05

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	443	376	831	1499	2183	2461	1667	702	489	511	612	438
MAX	2325	3638	4674	5618	5033	6693	5120	2220	2215	2386	4069	2128
(WY)	1991	1948	1948	1987	1973	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 1996 CALENDAR YEAR		FOR 1997 WATER YEAR		WATER YEARS 1903 - 1997	
ANNUAL TOTAL	217910		243387			
ANNUAL MEAN	595		667		1002	
HIGHEST ANNUAL MEAN					2353	1948
LOWEST ANNUAL MEAN					271	1950
HIGHEST DAILY MEAN	3500	Mar 23	6250	Feb 27	23600	Mar 6 1966
LOWEST DAILY MEAN	40	Jul 31	31	Sep 23	19	Sep 12 1954
ANNUAL SEVEN-DAY MINIMUM	42	Jul 29	33	Sep 19	20	Sep 8 1954
INSTANTANEOUS PEAK FLOW			6320	Feb 27	24400	Mar 6 1966
INSTANTANEOUS PEAK STAGE			15.02	Feb 27	23.34	Mar 6 1966
INSTANTANEOUS LOW FLOW			30	Sep 24		
ANNUAL RUNOFF (CFSM)	.54		.60		.90	
ANNUAL RUNOFF (INCHES)	7.30		8.16		12.26	
10 PERCENT EXCEEDS	1840		1660		2710	
50 PERCENT EXCEEDS	201		184		412	
90 PERCENT EXCEEDS	52		64		62	

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)
Mar. 1	1200	*57,700	12.75	Mar. 15	1400	40,000	11.74

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	3840	3100	4070	6930	17000	57500	9620	10500	5860	6870	9730	2910
2	3740	3130	4230	7080	17600	56800	9260	11700	6440	6540	10000	2850
3	3650	3060	4580	6940	18800	54700	9110	12500	6930	6410	9030	2780
4	3950	2990	5170	7020	19800	51300	9030	13300	7270	6720	8030	2790
5	4620	2970	6040	7220	19900	47100	8850	14000	7580	6790	7860	2720
6	5160	3030	7280	7390	19200	42600	8520	14800	7730	6470	8030	2640
7	5670	3100	8490	7560	18200	38200	8190	15800	7530	6290	7970	2560
8	6170	3190	9430	7810	17100	34600	7810	16800	7280	6300	7600	2480
9	6260	3200	10100	8310	16000	31900	7320	17600	7090	5960	7210	2420
10	6870	3270	10100	9150	15100	30200	6900	18300	6990	5510	6800	2390
11	7740	3560	9150	10600	14400	29800	6660	18800	6900	5150	6300	2360
12	8330	4010	8340	11900	13600	31400	6710	19300	6790	4750	5840	2320
13	8310	4640	7940	13100	13100	34400	6850	19800	6630	4520	5430	2250
14	7950	5130	7770	14300	13100	37800	6800	19300	6270	4360	4920	2190
15	7510	5340	7420	15400	13800	39800	6680	17400	5850	4170	4430	2160
16	6950	5460	7010	16500	15300	39100	6510	14700	5420	4010	4140	2140
17	6290	5560	6850	17700	18400	36900	6230	12400	5120	3970	4050	2120
18	5590	5700	6810	18900	24500	34100	5910	10800	5060	3920	4070	2140
19	5020	5560	6890	20300	31100	30900	5720	9750	5380	3750	4060	2130
20	4570	5190	7190	21700	34800	27900	5880	8740	6360	3620	4000	2100
21	4230	4850	8120	22900	36300	25100	6200	7640	7340	3560	3850	2070
22	4030	4500	9150	23700	37500	22500	6300	6630	8120	3600	3830	2060
23	3910	4110	10000	24100	37500	20100	6190	5880	8660	3830	3940	2040
24	3780	3840	10300	23600	38700	18000	5930	5380	9120	4090	4010	2010
25	3620	3730	9940	22500	43500	16400	5620	5130	9660	4390	3860	2010
26	3480	3890	9010	21200	50100	15300	5320	5190	9880	4480	3630	2020
27	3360	4070	8060	20100	54200	14200	5160	5380	9190	4300	3440	2060
28	3260	4140	7310	19100	56600	13100	5730	5360	8200	4780	3270	2090
29	3190	4150	6950	18300	---	12100	7210	5170	7480	6080	3140	2240
30	3120	4070	6630	17800	---	11100	9010	5150	7070	7230	3060	3580
31	3080	---	6530	17300	---	10300	---	5360	---	8360	2980	---
TOTAL	157250	122540	236860	466410	725200	965200	211230	358560	215200	160780	168510	70630
MEAN	5073	4085	7641	15050	25900	31140	7041	11570	7173	5186	5436	2354
MAX	8330	5700	10300	24100	56600	57500	9620	19800	9880	8360	10000	3580
MIN	3080	2970	4070	6930	13100	10300	5160	5130	5060	3560	2980	2010
CFSM	.37	.30	.56	1.11	1.90	2.29	.52	.85	.53	.38	.40	.17
IN.	.43	.34	.65	1.28	1.98	2.64	.58	.98	.59	.44	.46	.19

ALTAMAHA RIVER BASIN

02226000 ALTAMAHA RIVER AT DOCTORTOWN, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1932 - 1997, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	6281	6060	11040	18410	24790	29370	25460	13000	8769	7825	7779	6138
MAX	27680	27850	55570	46090	56200	71890	80960	39850	26650	33290	23090	18630
(WY)	1995	1948	1949	1993	1936	1966	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 1996 CALENDAR YEAR

FOR 1997 WATER YEAR

WATER YEARS 1932 - 1997

ANNUAL TOTAL	4339760		3858370			13680	
ANNUAL MEAN	11860		10570			25350	1948
HIGHEST ANNUAL MEAN						5996	1955
LOWEST ANNUAL MEAN						178000	Apr 18 1936
HIGHEST DAILY MEAN	62000	Feb 15	57500	Mar 1		1430	Oct 27 1954
LOWEST DAILY MEAN	2950	Sep 24	2010	Sep 24,25		1460	Oct 27 1954
ANNUAL SEVEN-DAY MINIMUM	3050	Oct 31	2040	Sep 21		178000	Apr 18 1936
INSTANTANEOUS PEAK FLOW			57700	Mar 1		16.03	Apr 18 1936
INSTANTANEOUS PEAK STAGE			12.75	Mar 1		1430	Oct 27 1954
INSTANTANEOUS LOW FLOW			2000	Sep 25		1.01	
ANNUAL RUNOFF (CFSM)	.87		.78			13.67	
ANNUAL RUNOFF (INCHES)	11.87		10.55			31400	
10 PERCENT EXCEEDS	30000		22700			8270	
50 PERCENT EXCEEDS	6830		6870			3300	
90 PERCENT EXCEEDS	3460		3090				

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 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)
OCT 22...	0700	81341	4090	208	208	7.4	7.0	18.5	14.5	7.1	76
NOV 05...	0830	81341	2970	276	268	7.6	7.3	18.0	19.5	7.9	83
DEC 10...	0800	81341	10300	130	128	7.2	6.8	12.0	5.0	9.3	85
JAN 30...	0900	81341	17900	102	96	6.8	6.9	11.5	5.5	9.3	84
FEB 27...	0830	81341	52900	59	57	6.9	6.7	14.0	21.0	8.2	79
MAR 27...	0900	81341	14700	112	109	7.1	7.0	19.5	17.0	6.5	70
MAY 01...	0800	81341	9970	124	120	7.0	7.1	21.0	20.5	7.0	78
29...	0800	81341	5230	177	169	7.1	7.4	23.5	18.5	6.8	79
JUN 26...	0800	81341	9900	117	110	6.9	7.1	28.5	27.5	7.1	91
JUL 31...	0730	81341	7860	126	122	7.2	7.3	30.5	23.5	5.9	79
AUG 28...	0730	81341	3340	226	221	7.3	7.4	28.0	24.5	6.0	76
SEP 25...	0800	81341	2010	315	307	7.5	7.5	28.0	25.0	5.7	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)	TANNIN AND LIGNIN (MG/L) (32240)
OCT 22...	81341	40	10	<1.0	36	12	.470	<.030	.070	6.0	1.2
NOV 05...	81341	60	6.0	1.0	48	8	.610	.050	.070	6.0	1.8
DEC 10...	81341	110	24	1.1	23	31	.280	<.030	.070	5.0	1.5
JAN 30...	81341	70	18	1.7	19	10	.230	<.030	.050	7.0	1.1
FEB 27...	81341	140	21	1.4	12	10	.080	.030	.050	10	1.3
MAR 27...	81341	130	14	1.0	24	9	.300	.040	.050	18	1.2
MAY 01...	81341	100	23	1.5	23	27	.440	<.030	.090	8.0	--
29...	81341	70	17	2.0	7	12	.600	.030	.080	5.0	1.0
JUN 26...	81341	40	28	<1.0	24	30	.420	.040	.080	4.0	.60
JUL 31...	81341	60	28	<1.0	28	34	.340	.030	.080	4.0	.70
AUG 28...	81341	60	10	1.3	45	11	.270	.050	.070	5.0	1.4
SEP 25...	81341	120	6.0	1.7	65	8	.230	.070	.070	8.0	2.0

ALTAMAHA RIVER BASIN

02226010 ALTAMAHA RIVER NEAR GARDI, 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)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
OCT				
22...	0700	81341	4090	<20
NOV				
05...	0830	81341	2970	<20
DEC				
10...	0800	81341	10300	230
JAN				
30...	0900	81341	17900	80
FEB				
27...	0830	81341	52900	40
MAR				
27...	0900	81341	14700	50
MAY				
01...	0800	81341	9970	330
29...	0800	81341	5230	<20
JUN				
26...	0800	81341	9900	60
JUL				
31...	0730	81341	7860	<20
AUG				
28...	0730	81341	3340	<20
SEP				
04...	0730	81213	2770	E20
15...	0730	81213	2180	20
25...	0800	81341	2010	<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)
SEP									
25...	0815	81213	2010	315	7.5	28.0	25.0	5.7	73

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								
25...	81213	17	3.0	<1.0	<2.0	<0.5	<1.0	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)
SEP							
25...	81213	<1.0	<2.0	<0.1	1.3	<2.0	9.5

ALTAMAHA RIVER BASIN

02226100 PENHOLOWAY 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 10 ft³/s during the period April 6 to September 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)
Aug. 2	1800	*1,020	*11.07	No other peak greater than base 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	3.4	2.9	13	9.4	90	363	34	214	.00	8.5	516	.00
2	4.0	2.2	21	8.3	96	343	26	197	1.1	6.7	977	.00
3	4.3	2.0	20	8.8	87	286	19	132	.88	5.1	1020	.00
4	4.9	2.1	20	9.2	75	212	14	68	.19	4.2	934	.00
5	4.8	2.5	24	9.3	66	164	10	31	.08	3.4	690	.00
6	4.7	2.8	23	11	59	129	7.8	17	.21	3.3	448	.00
7	8.1	3.5	18	13	53	102	6.6	8.6	.51	22	266	.00
8	118	7.9	15	33	48	84	6.3	3.8	.77	53	153	.00
9	276	14	13	154	43	72	5.1	1.6	.81	29	162	.00
10	329	11	12	316	38	64	3.4	.50	.93	37	142	.00
11	323	8.7	11	415	35	58	2.5	.12	1.0	15	108	.00
12	294	7.9	11	493	32	53	2.0	.06	1.7	13	105	.00
13	211	7.8	11	502	32	47	2.0	.80	8.0	6.7	130	.00
14	108	6.9	12	441	64	45	1.5	.85	4.0	3.2	110	.00
15	58	6.1	12	347	138	44	.77	.28	2.2	1.6	67	.00
16	40	5.4	12	264	195	40	.42	.05	1.9	.81	34	.00
17	33	5.0	12	207	228	35	.18	.00	1.8	.67	22	.00
18	29	4.6	13	184	240	30	.03	.00	2.3	.48	24	.00
19	23	4.2	28	173	223	27	.00	.00	2.7	.23	30	.10
20	20	4.4	33	153	179	29	.00	.00	2.1	.79	25	.08
21	17	4.5	38	127	127	34	.00	.00	2.2	6.0	14	.01
22	15	4.8	43	110	124	41	.00	.00	3.2	11	6.5	.00
23	13	5.5	40	99	155	44	1.3	.00	3.0	6.8	2.4	.00
24	11	5.9	31	90	158	46	7.2	.00	3.3	2.8	1.0	.00
25	10	7.3	25	86	178	42	8.4	.00	4.1	1.3	.22	.00
26	9.5	7.7	21	86	242	40	8.8	.00	3.3	.88	.05	.00
27	8.5	7.6	18	86	297	42	9.6	.00	2.7	.71	.00	.14
28	7.4	7.7	15	84	341	43	80	.00	3.8	.25	.00	.44
29	6.1	7.8	13	73	---	53	188	.00	7.2	.08	.00	.66
30	4.8	8.2	13	75	---	45	208	.00	11	.00	.00	.39
31	3.8	---	10	82	---	40	---	.00	---	17	.00	---
TOTAL	2002.3	178.9	601	4749.0	3643	2697	652.90	675.66	76.98	261.50	5987.17	1.82
MEAN	64.6	5.96	19.4	153	130	87.0	21.8	21.8	2.57	8.44	193	.061
MAX	329	14	43	502	341	363	208	214	11	53	1020	.66
MIN	3.4	2.0	10	8.3	32	27	.00	.00	.00	.00	.00	.00
CFSM	.31	.03	.09	.73	.62	.41	.10	.10	.01	.04	.92	.00
IN.	.35	.03	.11	.84	.65	.48	.12	.12	.01	.05	1.06	.00

ALTAMAHA RIVER BASIN

02226100 PENHOLLOWAY CREEK NEAR JESUP, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1958 - 1997, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	117	51.7	133	256	352	366	204	77.2	119	154	226	169
MAX	869	403	762	884	1049	1342	1050	492	493	941	1031	1234
(WY)	1995	1970	1977	1967	1995	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 1996 CALENDAR YEAR		FOR 1997 WATER YEAR		WATER YEARS 1958 - 1997	
ANNUAL TOTAL	16184.10		21527.23		185	
ANNUAL MEAN	44.2		59.0		391	
HIGHEST ANNUAL MEAN					20.2	
LOWEST ANNUAL MEAN					1964	
HIGHEST DAILY MEAN	452	Mar 10	1020	Aug 3	4370	Sep 30 1979
LOWEST DAILY MEAN	.00	c	.00	c	.00	c
ANNUAL SEVEN-DAY MINIMUM	.00	d	.00	d	.00	d
INSTANTANEOUS PEAK FLOW			1020	Aug 2	4420	Sep 30 1979
INSTANTANEOUS PEAK STAGE			11.07	Aug 2	14.96	Sep 30 1979
INSTANTANEOUS LOW FLOW			.00	c	.00	f
ANNUAL RUNOFF (CFSM)	.21		.28		.88	
ANNUAL RUNOFF (INCHES)	2.87		3.81		11.97	
10 PERCENT EXCEEDS	153		181		529	
50 PERCENT EXCEEDS	11		9.4		47	
90 PERCENT EXCEEDS	.00		.00		.03	

a Also 1977 and 1990.

b Also 1990.

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 1996 TO SEPTEMBER 1997

Date	Elevation (feet)	Contents (acre-feet)	Change in contents (acre-feet)	(equivalent in cubic feet per second)
Sept. 30.....	528.6	100000	-	-
Oct. 31.....	528.6	100000	0	0
Nov. 30.....	528.2	98400	-1600	-27
Dec. 31.....	526.1	89400	-9000	-146
CAL YR 1996	-	-	+15400	+21
Jan. 31.....	525.6	87400	-2000	-33
Feb. 28.....	525.5	87000	-400	-7
Mar. 31.....	528.4	99300	+12300	+200
Apr. 30.....	528.8	101000	+1700	+29
May 31.....	528.9	102000	+1000	+16
June 30.....	528.6	100000	-2000	-34
July 31.....	529.4	104000	+4000	+65
Aug. 31.....	528.6	100000	-4000	-65
Sept. 30.....	528.5	99800	-200	-3
WTR YR 1997	-	-	-200	0

* 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 1996 TO SEPTEMBER 1997

Date	Elevation (feet)	Contents (acre-feet)	Change in contents (acre-feet)	(equivalent in cubic feet per second)
Sept. 30.....	434.6	352800	-	-
Oct. 31.....	434.6	352800	0	0
Nov. 30.....	434.5	351000	-1800	-30
Dec. 31.....	434.6	352800	+1800	+29
CAL YR 1996	-	-	+25200	+35
Jan. 31.....	434.0	342000	-10800	-176
Feb. 28.....	434.7	354600	+12600	+227
Mar. 31.....	434.9	358200	+3600	+59
Apr. 30.....	434.8	356400	-1800	-30
May 31.....	434.7	354600	-1800	-29
June 30.....	435.0	360000	+5400	+91
July 31.....	434.8	356400	-3600	-59
Aug. 31.....	434.4	349200	-7200	-117
Sept. 30.....	434.9	358200	+9000	+151
WTR YR 1997	-	-	+5400	+7

*Elevation at 0700 on day following that shown in first column.

LAKES LAKES AND RESERVOIRS IN ALTAMAHA RIVER BASIN--Continued

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 1996 TO SEPTEMBER 1997

Date	Elevation (feet)	Contents (acre-feet)	Change in contents (acre-feet)	(equivalent in cubic feet per second)
Sept. 30.....	338.7	314500	-	-
Oct. 31.....	338.2	307000	-7500	-122
Nov. 30.....	338.8	316000	+9000	+151
Dec. 31.....	338.2	307000	-9000	-146
CAL YR 1996	-	-	-6000	-8
Jan. 31.....	338.6	313000	+6000	+98
Feb. 28.....	338.1	305500	-7500	-135
Mar. 31.....	338.1	305500	0	0
Apr. 30.....	339.7	329500	+24000	+403
May 31.....	338.5	311500	-18000	-293
June 30.....	338.3	308500	-3000	-50
July 31.....	338.5	311500	+3000	+49
Aug. 31.....	338.5	311500	0	0
Sept. 30.....	339.2	322000	+10500	+176
WTR YR 1997	-	-	+7500	+10

*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, 6.15 ft, June 5; minimum elevation, -6.51 ft, June 10.

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	4.62	-3.04	3.77	-2.23	3.42	-2.83	3.50	-2.41	2.91	-3.13	3.12	-3.20
2	4.43	-2.39	2.68	-3.15	2.95	-2.56	3.48	-2.38	3.07	-3.19	2.98	-3.03
3	4.18	-2.01	3.72	-1.25	3.19	-2.06	3.31	-2.95	3.56	-3.48	3.02	-3.43
4	4.72	-1.17	3.88	-1.30	3.35	-1.92	3.15	-3.33	4.38	-3.68	3.27	-3.72
5	4.67	-2.20	3.68	-2.02	3.75	-2.90	3.65	-4.34	4.91	-4.19	4.21	-3.98
6	4.88	-0.09	3.71	-2.28	3.29	-3.25	3.93	-4.34	4.96	-4.99	4.35	-4.74
7	5.46	.86	4.07	-2.51	3.88	-3.93	4.63	-4.40	5.56	-4.55	5.22	-5.39
8	3.95	-2.34	4.30	-3.46	4.60	-3.95	5.53	-4.20	5.46	-5.46	5.05	-5.22
9	4.11	-2.68	4.04	-3.73	4.00	-4.64	5.61	-4.92	5.31	-5.18	5.18	-5.47
10	4.34	-2.90	4.27	-3.82	5.10	-3.96	4.43	-6.51	5.20	-4.53	4.97	-5.49
11	4.79	-2.82	4.60	-4.09	4.96	-4.54	4.11	-6.08	4.86	-4.30	4.85	-5.43
12	5.14	-2.36	4.66	-4.04	5.01	-4.77	4.31	-5.20	4.71	-3.91	5.15	-4.27
13	5.03	-2.60	4.82	-3.76	5.14	-4.73	4.12	-4.44	4.70	-2.24	5.15	-3.23
14	5.12	-2.98	4.86	-3.49	5.20	-3.92	4.29	-3.52	4.47	-2.52	4.91	-3.50
15	4.61	-3.43	5.37	-1.83	5.27	-3.06	4.31	-3.16	3.96	-3.34	3.79	-3.29
16	4.72	-3.28	5.67	-1.63	5.26	-2.76	4.15	-5.02	3.56	-2.77	3.59	-2.18
17	4.65	-2.97	4.95	-2.73	4.96	-3.10	2.95	-4.33	3.56	-2.82	3.74	-2.35
18	4.60	-2.73	4.50	-3.33	4.29	-3.36	2.94	-4.12	3.79	-3.18	3.53	-2.83
19	4.61	-2.64	4.29	-3.40	4.11	-4.83	3.61	-3.99	3.80	-3.41	3.28	-3.33
20	4.36	-3.01	4.52	-3.41	3.40	-4.47	3.48	-3.99	3.79	-3.66	3.85	-3.36
21	4.44	-3.47	5.02	-4.08	4.27	-4.33	4.08	-4.17	3.77	-3.63	4.44	-2.67
22	4.72	-3.50	4.79	-4.13	4.45	-3.63	4.06	-3.83	3.40	-4.38	4.24	-3.22
23	4.79	-3.87	5.29	-3.35	4.21	-4.16	3.59	-4.29	4.06	-4.85	4.73	-3.61
24	4.88	-4.12	5.01	-3.83	4.12	-4.36	3.86	-4.38	3.72	-3.64	4.74	-2.73
25	5.10	-4.14	4.73	-4.06	3.81	-4.76	3.84	-4.39	3.86	-3.32	4.27	-3.58
26	5.12	-4.17	3.75	-4.70	4.23	-3.48	3.81	-4.12	3.68	-3.30	3.72	-4.34
27	5.07	-4.24	4.49	-4.46	3.81	-3.66	3.81	-3.23	3.41	-3.91	3.98	-4.15
28	4.84	-3.93	4.19	-3.04	3.70	-3.50	3.17	-3.56	2.96	-3.68	3.67	-3.38
29	4.65	-3.62	4.10	-2.78	3.65	-3.09	3.70	-2.10	---	---	3.63	-3.96
30	4.56	-2.88	3.98	-2.24	3.39	-3.04	3.62	-2.41	---	---	2.94	-3.88
31	4.00	-2.74	---	---	3.21	-2.74	3.32	-2.57	---	---	3.20	-4.38
MONTH	5.46	-4.24	5.67	-4.70	5.27	-4.83	5.61	-6.51	5.56	-5.46	5.22	-5.49

BRUNSWICK RIVER BASIN

02226178 EAST RIVER AT MAYORS POINT TERMINAL AT BRUNSWICK, GA.--Continued

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

[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, 6.25 ft, June 5; minimum elevation recorded, -6.66 ft, June 10.

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	4.75	-3.10	3.91	-2.24	3.58	-2.83	3.63	-2.42	3.01	-3.20	3.22	-3.26
2	4.59	-2.40	2.78	-3.16	3.09	-2.54	3.59	-2.36	3.16	-3.27	3.11	-3.06
3	4.33	-2.01	3.88	-1.17	3.31	-2.03	3.41	-2.92	3.66	-3.51	3.16	-3.44
4	4.82	-1.17	4.03	-1.33	3.48	-1.88	3.30	-3.38	4.48	-3.72	3.42	-3.76
5	4.78	-2.27	3.81	-2.10	3.88	-2.87	3.77	-4.39	5.02	-4.31	4.33	-4.05
6	4.99	-1.11	3.78	-2.34	3.43	-3.30	4.02	-4.38	5.04	-5.07	4.46	-4.84
7	5.58	.89	4.19	-2.56	3.98	-3.88	4.72	-4.46	5.65	-4.63	5.32	-5.49
8	3.91	-2.44	4.46	-3.40	4.67	-4.00	5.67	-4.27	5.58	-5.56	5.19	-5.31
9	4.21	-2.66	4.17	-3.65	4.13	-4.69	5.73	-5.02	5.44	-5.25	5.30	-5.57
10	4.43	-2.94	4.40	-3.90	5.24	-4.02	4.48	-6.66	5.32	-4.60	5.04	-5.57
11	4.91	-2.89	4.77	-4.13	5.09	-4.65	4.19	-6.16	5.11	-4.37	4.98	-5.56
12	5.28	-2.48	4.80	-4.08	5.15	-4.85	4.44	-5.27	4.82	-3.99	5.29	-4.36
13	5.18	-2.70	4.94	-3.85	5.28	-4.79	4.23	-4.51	4.84	-2.32	5.29	-3.37
14	5.23	-3.05	5.02	-3.58	5.32	-4.02	4.45	-3.57	4.61	-2.57	4.94	-3.58
15	4.75	-3.50	5.52	-1.87	5.43	-3.17	4.44	-3.20	4.04	-3.42	3.84	-3.32
16	4.85	-3.36	5.79	-1.68	5.39	-2.80	4.27	-5.09	3.66	-2.80	3.72	-2.19
17	4.79	-3.04	5.10	-2.80	5.09	-3.18	3.04	-4.38	3.71	-2.82	3.90	-2.33
18	4.79	-2.74	4.63	-3.38	4.41	-3.41	3.05	-4.12	3.94	-3.26	3.63	-2.88
19	4.72	-2.71	4.45	-3.47	4.24	-4.88	3.72	-4.07	3.90	-3.48	3.43	-3.36
20	4.49	-3.03	4.67	-3.51	3.55	-4.46	3.60	-4.07	3.91	-3.67	3.95	-3.38
21	4.57	-3.50	5.15	-4.13	4.35	-4.44	4.18	-4.22	3.89	-3.70	4.50	-2.69
22	4.87	-3.60	4.93	-4.25	4.61	-3.71	4.18	-3.90	3.47	-4.44	4.35	-3.25
23	4.93	-3.90	5.45	-3.47	4.33	-4.24	3.72	-4.34	4.17	-4.93	4.84	-3.68
24	4.98	-4.19	5.14	-3.90	4.24	-4.42	3.97	-4.43	3.88	-3.69	4.89	-2.81
25	5.21	-4.24	4.90	-4.11	3.94	-4.84	3.85	-4.45	3.97	-3.36	4.41	-3.68
26	5.27	-4.29	3.87	-4.76	4.32	-3.58	3.89	-4.18	3.80	-3.40	3.81	-4.35
27	5.19	-4.35	4.66	-4.50	3.91	-3.76	3.93	-3.26	3.62	-3.97	4.11	-4.22
28	4.98	-4.01	4.32	-3.09	3.83	-3.58	3.35	-3.63	3.08	-3.76	3.81	-3.48
29	4.76	-3.74	4.23	-2.84	3.80	-3.14	3.83	-2.08	---	---	3.76	-4.03
30	4.69	-2.94	4.11	-2.27	3.54	-3.11	3.76	-2.48	---	---	3.03	-3.90
31	4.13	-2.77	---	---	3.32	-2.82	3.46	-2.59	---	---	3.31	-4.44
MONTH	5.58	-4.35	5.79	-4.76	5.43	-4.88	5.73	-6.66	5.65	-5.56	5.32	-5.57

BRUNSWICK RIVER BASIN

022261792 SOUTH BRUNSWICK RIVER AT COLONELS ISLAND NEAR BRUNSWICK, GA.--Continued

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

[illegible]

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 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, 7.00 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 YEAR.--Maximum elevation, 5.86 ft, June 5; minimum elevation, -6.12 ft, Jan. 10.

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	4.37	-2.74	3.50	-2.09	3.15	-2.57	3.21	-2.26	2.55	-3.02	2.79	-2.99
2	4.15	-2.15	2.40	-2.94	2.61	-2.54	3.20	-2.23	2.74	-3.04	2.63	-2.89
3	3.90	-1.92	3.37	-1.21	2.86	-2.00	3.01	-2.83	3.25	-3.29	2.68	-3.38
4	4.42	-1.16	3.55	-1.20	3.05	-1.78	2.86	-3.16	4.12	-3.40	2.89	-3.48
5	4.32	-.07	3.37	-1.87	3.48	-2.70	3.37	-4.11	4.64	-4.30	3.96	-3.68
6	4.54	.00	3.40	-2.05	2.99	-3.04	3.63	-4.11	4.71	-4.69	4.10	-4.71
7	5.00	.92	3.78	-2.28	3.59	-3.77	4.39	-4.11	5.34	-4.19	4.98	-4.99
8	3.67	-2.15	4.04	-3.33	4.38	-4.06	5.23	-3.91	5.23	-5.06	4.84	-4.83
9	3.79	-2.53	3.75	-3.53	3.74	-4.40	5.37	-4.55	5.08	-4.85	4.97	-5.10
10	4.10	-2.67	3.98	-3.49	4.85	-3.63	4.22	-6.12	5.01	-4.17	4.76	-5.11
11	4.50	-2.57	4.33	-3.78	4.71	-4.21	3.87	-5.81	4.47	-3.94	4.62	-5.02
12	4.87	-2.05	4.45	-3.69	4.76	-4.42	4.06	-4.87	4.35	-3.60	4.89	-3.90
13	4.72	-2.24	4.55	-3.46	4.94	-4.39	3.87	-4.13	4.37	-1.98	4.66	-2.91
14	4.82	-2.69	4.59	-3.22	4.99	-3.61	4.01	-3.21	4.22	-2.33	4.59	-3.17
15	4.29	-3.07	4.97	-1.68	5.03	-2.74	4.06	-2.95	3.66	-3.12	3.48	-3.08
16	4.45	-2.94	5.33	-1.37	5.00	-2.44	3.90	-4.83	3.25	-2.65	3.31	-2.03
17	4.32	-2.63	4.66	-2.44	4.69	-2.86	2.56	-4.12	3.28	-2.64	3.43	-2.28
18	4.32	-2.50	4.24	-3.07	4.01	-3.11	2.64	-3.91	3.53	-2.98	3.24	-2.67
19	4.31	-2.39	4.03	-3.16	3.87	-4.56	3.34	-3.72	3.49	-3.19	2.98	-3.18
20	4.09	-2.82	4.32	-3.07	3.13	-4.16	3.18	-3.79	3.50	-3.41	3.54	-3.10
21	4.16	-3.19	4.77	-3.71	4.02	-4.00	3.83	-3.95	3.48	-3.40	4.13	-2.37
22	4.42	-3.13	4.53	-3.71	4.27	-3.47	3.82	-3.64	3.06	-4.04	4.01	-2.84
23	4.54	-3.72	5.04	-3.01	3.96	-3.87	3.31	-4.04	3.71	-4.54	4.51	-3.30
24	4.62	-3.76	4.75	-3.47	3.87	-4.08	3.59	-4.16	3.41	-3.35	4.46	-2.45
25	4.84	-3.77	4.47	-3.72	3.53	-4.57	3.53	-4.16	3.56	-3.02	4.00	-3.26
26	4.82	-3.80	3.50	-4.36	3.95	-3.18	3.49	-3.82	3.40	-3.03	3.42	-4.01
27	4.77	-3.88	4.27	-4.15	3.53	-3.42	3.50	-2.95	2.88	-3.65	3.69	-3.83
28	4.56	-3.56	3.92	-2.79	3.39	-3.23	2.85	-3.30	2.71	-3.46	3.38	-3.13
29	4.36	-3.29	3.79	-2.53	3.36	-2.85	3.37	-2.02	---	---	3.08	-3.77
30	4.31	-2.57	3.68	-2.05	3.10	-2.82	3.42	-2.08	---	---	2.62	-3.67
31	3.72	-2.65	---	---	2.90	-2.53	3.04	-2.52	---	---	2.91	-4.17
MONTH	5.00	-3.88	5.33	-4.36	5.03	-4.57	5.37	-6.12	5.34	-5.06	4.98	-5.11

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)
Jan. 16	1400	2,850	13.61	Feb. 21	0800	*7,330	*16.31

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	45	81	84	506	1600	4380	824	1370	642	481	504	68
2	84	77	114	461	1710	4770	749	1260	643	540	560	61
3	75	71	113	429	1780	4700	675	1180	585	592	529	56
4	76	66	155	397	1800	4350	600	1250	496	658	537	51
5	89	62	229	373	1800	3920	522	1420	446	766	596	46
6	79	58	316	357	1790	3440	444	1420	405	893	610	42
7	262	55	418	363	1710	2920	376	1210	343	945	567	39
8	903	62	524	447	1560	2400	323	914	293	850	528	37
9	1410	57	574	744	1370	1900	294	682	253	701	520	34
10	1940	53	567	1120	1150	1520	270	492	218	602	559	33
11	2360	53	508	1450	982	1220	247	358	189	475	509	31
12	2500	51	430	1790	873	1000	228	312	165	382	432	30
13	2310	57	356	2090	815	863	204	303	151	302	385	29
14	1930	62	297	2370	1100	809	179	272	190	256	341	28
15	1580	63	254	2600	1710	801	160	272	235	239	346	27
16	1220	58	223	2810	1960	826	145	241	204	232	301	25
17	917	55	200	2780	2370	868	133	206	163	298	351	24
18	715	55	204	2470	2910	923	122	176	141	346	333	42
19	578	57	282	2010	4050	1000	110	152	216	254	315	41
20	e480	59	352	1620	6330	1140	98	134	194	211	371	30
21	e390	58	502	1310	7270	1300	90	114	144	175	401	27
22	e320	58	616	1100	6840	1400	84	101	125	134	366	27
23	e270	56	706	961	5790	1380	194	90	139	125	307	26
24	e230	54	782	872	4710	1320	151	110	142	106	254	24
25	196	52	841	837	4290	1270	117	230	119	88	210	32
26	168	51	855	880	4160	1220	118	286	115	81	173	25
27	143	48	816	952	3960	1110	115	254	161	79	144	24
28	124	46	764	1040	3980	986	521	492	248	74	121	24
29	110	45	697	1120	---	955	1010	617	311	74	104	22
30	98	44	626	1300	---	982	1310	626	388	69	90	21
31	89	---	561	1460	---	923	---	627	---	104	78	---
TOTAL	21691	1724	13966	39019	80370	56596	10413	17171	8064	11132	11442	1026
MEAN	700	57.5	451	1259	2870	1826	347	554	269	359	369	34.2
MAX	2500	81	855	2810	7270	4770	1310	1420	643	945	610	68
MIN	45	44	84	357	815	801	84	90	115	69	78	21
CFSM	.58	.05	.38	1.05	2.39	1.52	.29	.46	.22	.30	.31	.03
IN.	.67	.05	.43	1.21	2.49	1.75	.32	.53	.25	.35	.35	.03

e Estimated

SATILLA RIVER BASIN

02226500 SATILLA RIVER NEAR WAYCROSS, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1937 - 1997, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	569	319	846	1483	2140	2344	1781	618	468	622	805	674
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 1996 CALENDAR YEAR		FOR 1997 WATER YEAR		WATER YEARS 1937 - 1997	
ANNUAL TOTAL	122018		272614		1047	
ANNUAL MEAN	333		747		2910	
HIGHEST ANNUAL MEAN					118	
LOWEST ANNUAL MEAN					1948	
HIGHEST DAILY MEAN	2500	Oct 12	7270	Feb 21	37000	Apr 4 1948
LOWEST DAILY MEAN	16	Aug 1	21	Sep 30	5.5	Oct 9 1990
ANNUAL SEVEN-DAY MINIMUM	18	Aug 4	25	Sep 24	5.6	Oct 3 1990
INSTANTANEOUS PEAK FLOW			7330	Feb 21	a39000	Apr 4 1948
INSTANTANEOUS PEAK STAGE			16.31	Feb 21	b22.40	Apr 4 1948
INSTANTANEOUS LOW FLOW			21	Sep 30	5.5	Oct 9 1990
ANNUAL RUNOFF (CFSM)	.28		.62		.87	
ANNUAL RUNOFF (INCHES)	3.78		8.45		11.85	
10 PERCENT EXCEEDS	1140		1790		2910	
50 PERCENT EXCEEDS	124		352		348	
90 PERCENT EXCEEDS	33		53		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 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)
OCT 29...	0930	81341	160	88	85	6.1	6.0	22.0	26.0	6.2	71
NOV 19...	0855	81341	74	90	88	6.1	6.3	15.0	18.0	8.7	87
DEC 17...	0855	81341	240	100	95	6.3	5.9	12.0	16.0	9.1	85
JAN 21...	0830	81341	2200	70	67	5.3	5.2	6.5	3.5	10.4	84
FEB 18...	1030	81341	2350	58	55	5.6	5.4	12.0	17.0	9.1	83
MAR 18...	0855	81341	950	63	58	5.7	5.7	16.5	23.0	7.4	75
APR 22...	0650	81341	125	85	80	6.2	6.4	21.0	21.0	6.6	75
MAY 20...	0725	81341	180	73	67	6.1	6.1	24.0	25.0	6.8	81
JUN 03...	0805	81341	700	60	57	5.3	5.3	23.0	22.5	6.3	74
JUL 22...	0750	81341	200	54	51	5.8	5.3	28.0	29.0	6.0	77
AUG 19...	0800	81341	430	57	56	5.1	4.9	28.0	30.0	5.5	71
SEP 16...	0730	81341	39	104	102	6.5	6.3	27.0	23.0	5.7	72

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 29...	81341	130	4.0	<1.0	6	3	.230	.040	.100	19
NOV 19...	81341	110	2.0	<1.0	9	<1	.300	<.030	.080	15
DEC 17...	81341	120	2.0	1.2	5	1	.180	.070	.090	21
JAN 21...	81341	140	6.0	1.2	3	<1	.170	<.030	.050	26
FEB 18...	81341	180	7.0	1.6	4	4	.050	.040	.060	28
MAR 18...	81341	240	6.0	1.9	9	8	.290	.090	.130	35
APR 22...	81341	140	5.0	<1.0	8	2	.410	.160	.130	22
MAY 20...	81341	180	5.0	<1.0	6	4	.280	.060	.120	22
JUN 03...	81341	280	6.0	1.6	4	7	.110	.120	.110	36
JUL 22...	81341	240	9.0	1.0	1	6	.280	.070	.120	26
AUG 19...	81341	350	4.0	1.6	4	7	.280	.060	.130	39
SEP 16...	81341	180	5.0	<1.0	10	2	.480	<.030	.190	14

SATILLA RIVER BASIN

02226582 SATILLA RIVER NEAR HOBOKEN, 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)	COLI- FORM, FECAL, EC BROTH (MPN) (31615)
OCT 29...	0930	81341	160	<20
NOV 19...	0855	81341	74	70
DEC 17...	0855	81341	240	20
JAN 21...	0830	81341	2200	20
FEB 18...	1030	81341	2350	790
MAR 18...	0855	81341	950	80
APR 22...	0650	81341	125	35
MAY 20...	0725	81341	180	<20
JUN 03...	0805	81341	700	220
JUL 22...	0750	81341	200	140
AUG 04...	0915	81213	800	80
11...	0740	81213	620	130
19...	0800	81341	430	70
SEP 16...	0730	81341	32	50

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.

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)
Feb. 20	0400	*2,710	9.81	Aug. 4	1000	2,250	9.52
Apr. 30	1500	1,690	9.00				

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	5.0	13	25	142	579	1580	207	1390	9.5	144	1240	15
2	14	10	113	132	533	1460	159	821	8.2	95	1700	11
3	21	8.8	147	122	474	1290	124	481	6.2	54	1990	9.7
4	18	7.8	139	114	447	1100	101	326	4.8	34	2210	7.6
5	13	7.0	141	119	414	927	83	248	4.3	23	1990	5.9
6	11	6.5	137	162	383	774	71	260	6.4	20	1740	4.6
7	42	6.3	151	193	362	606	65	264	8.1	14	1390	3.7
8	572	8.0	180	303	346	482	49	204	8.4	44	981	3.0
9	825	14	170	636	325	389	37	130	7.7	285	630	2.5
10	711	15	145	1000	287	306	29	86	5.9	185	463	2.1
11	699	15	124	1090	253	253	23	57	4.6	93	563	2.2
12	524	13	106	1070	230	218	20	46	5.4	63	717	2.1
13	327	12	93	999	220	186	17	64	19	67	965	1.6
14	278	12	83	958	379	169	13	59	15	75	786	1.4
15	295	13	74	993	806	177	11	44	9.6	58	529	1.3
16	267	14	71	1050	1020	195	8.8	36	6.0	36	426	1.2
17	199	13	67	1030	1120	213	7.5	28	3.9	24	439	1.1
18	139	12	68	891	1610	234	6.7	26	4.2	16	457	1.5
19	100	11	132	720	2520	299	5.7	39	9.6	10	440	1.7
20	72	11	203	567	2650	310	4.3	37	7.5	7.9	512	1.5
21	54	10	234	451	2350	292	3.6	27	5.5	8.1	528	1.2
22	41	14	262	372	2020	389	3.5	21	3.7	19	454	1.1
23	32	18	268	311	1800	439	15	19	3.3	82	374	1.1
24	28	18	282	273	1680	403	38	19	4.6	79	271	1.1
25	24	17	316	276	1640	349	41	60	3.2	40	168	1.1
26	20	15	317	304	1610	349	30	50	2.4	21	109	1.3
27	19	13	275	317	1620	336	25	28	2.0	14	77	1.7
28	17	12	231	320	1660	292	320	25	1.8	12	57	1.8
29	16	13	195	291	---	323	1220	20	69	9.8	42	1.5
30	13	12	169	358	---	339	1640	16	132	6.8	30	1.2
31	12	---	152	539	---	279	---	12	---	150	21	---
TOTAL	5408.0	364.4	5070	16103	29338	14958	4378.1	4943	381.8	1789.6	22299	93.8
MEAN	174	12.1	164	519	1048	483	146	159	12.7	57.7	719	3.13
MAX	825	18	317	1090	2650	1580	1640	1390	132	285	2210	15
MIN	5.0	6.3	25	114	220	169	3.5	12	1.8	6.8	21	1.1
CFSM	.27	.02	.25	.80	1.62	.75	.23	.25	.02	.09	1.11	.00
IN.	.31	.02	.29	.93	1.69	.86	.25	.28	.02	.10	1.28	.01

SATILLA RIVER BASIN

02227500 LITTLE SATILLA RIVER NEAR OFFERMAN, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1951 - 1997, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	236	167	479	874	1098	1077	695	247	294	317	431	369
MAX	2148	1295	2586	4219	3773	3436	2791	2031	1344	1493	1630	2363
(WY)	1995	1986	1965	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 1996 CALENDAR YEAR		FOR 1997 WATER YEAR		WATER YEARS 1951 - 1997	
ANNUAL TOTAL	47942.92		105126.7		525	
ANNUAL MEAN	131		288		1075	
HIGHEST ANNUAL MEAN					75.0	
LOWEST ANNUAL MEAN					1991	
HIGHEST DAILY MEAN	1100	Mar 9	2650	Feb 20	16800	Sep 28 1953
LOWEST DAILY MEAN	.45	Jun 13	1.1	Sep 17,22-25	.00	a
ANNUAL SEVEN-DAY MINIMUM	.54	Jun 1	1.2	Sep 20	.00	b
INSTANTANEOUS PEAK FLOW			2710	Feb 20	17200	Sep 29 1953
INSTANTANEOUS PEAK STAGE			9.81	Feb 20	14.50	Sep 29 1953
INSTANTANEOUS LOW FLOW			1.0	Sep 22-25	.00	a
ANNUAL RUNOFF (CFSM)	.20		.45		.81	
ANNUAL RUNOFF (INCHES)	2.76		6.05		11.04	
10 PERCENT EXCEEDS	339		961		1430	
50 PERCENT EXCEEDS	68		75		147	
90 PERCENT EXCEEDS	2.3		4.5		1.6	

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)
Feb. 26	1600	10,600	*15.27	No other peak greater than base 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	110	352	163	1220	2000	8980	2020	856	687	316	291	351
2	115	322	171	1190	2080	8420	1870	1230	803	437	508	301
3	114	291	171	1120	2220	7920	1710	1690	874	524	792	264
4	140	268	212	1040	2350	7550	1550	2200	873	573	1140	235
5	184	252	312	955	2460	7300	1400	2510	841	583	1580	214
6	213	237	379	883	2530	7220	1260	2450	806	583	2100	198
7	240	227	416	833	2570	7080	1130	2200	761	574	2650	183
8	425	241	447	841	2600	6780	994	2010	707	578	3060	171
9	606	236	487	950	2610	6290	880	1930	651	599	3330	162
10	878	226	546	1190	2620	5680	770	1880	594	648	3480	154
11	1200	228	602	1460	2620	5020	678	1780	538	757	3380	146
12	1560	235	648	1750	2570	4340	607	1620	486	814	2940	139
13	2020	229	683	2070	2480	3720	543	1390	440	789	2450	132
14	2470	217	705	2420	2410	3210	490	1130	391	729	2220	127
15	2740	205	705	2760	2320	2780	453	906	351	649	2170	122
16	2890	194	676	3120	2250	2390	417	743	321	568	2110	118
17	2960	191	630	3380	2290	2080	385	634	302	496	2010	115
18	2930	188	582	3590	2520	1830	354	554	306	427	1790	112
19	2760	186	557	3810	2920	1680	330	494	299	376	1530	108
20	2510	182	539	4040	3340	1600	307	446	280	361	1340	109
21	2240	177	566	4220	3750	1590	287	404	270	379	1210	107
22	1900	177	650	4250	4360	1630	270	367	289	380	1130	107
23	1540	174	735	4080	5350	1700	282	336	295	344	1080	107
24	1220	172	818	3730	6990	1810	267	310	277	312	1040	105
25	971	171	892	3300	9210	1960	257	288	258	296	965	104
26	790	171	961	2890	10400	2120	288	269	245	293	862	101
27	662	167	1030	2530	10300	2250	329	265	265	290	740	107
28	569	165	1110	2290	9630	2300	335	298	286	251	635	104
29	498	162	1160	2110	---	2280	362	351	273	217	542	100
30	441	160	1200	2020	---	2220	543	438	264	202	466	98
31	392	---	1220	1980	---	2130	---	555	---	199	413	---
TOTAL	38288	6403	19973	72022	109750	123860	21368	32534	14033	14544	49954	4501
MEAN	1235	213	644	2323	3920	3995	712	1049	468	469	1611	150
MAX	2960	352	1220	4250	10400	8980	2020	2510	874	814	3480	351
MIN	110	160	163	833	2000	1590	257	265	245	199	291	98
CFSM	.44	.08	.23	.83	1.40	1.43	.26	.38	.17	.17	.58	.05
IN.	.51	.09	.27	.96	1.46	1.65	.28	.43	.19	.19	.67	.06

SATILLA RIVER BASIN

02228000 SATILLA RIVER AT ATKINSON, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1930 - 1997, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	1491	820	1672	2863	4256	4700	3668	1335	1234	1432	1986	2032
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 1996 CALENDAR YEAR

FOR 1997 WATER YEAR

WATER YEARS 1930 - 1997

ANNUAL TOTAL	262489		507230		2277	
ANNUAL MEAN	717		1390		7048	1948
HIGHEST ANNUAL MEAN					334	1981
LOWEST ANNUAL MEAN					67200	Apr 6 1948
HIGHEST DAILY MEAN	3410	Mar 23	10400	Feb 26	15	Sep 26 1990
LOWEST DAILY MEAN	72	Jul 23	98	Sep 30	16	Sep 25 1990
ANNUAL SEVEN-DAY MINIMUM	81	Jul 19	103	Sep 24	68100	Apr 6 1948
INSTANTANEOUS PEAK FLOW			10600	Feb 26	23.90	Apr 6 1948
INSTANTANEOUS PEAK STAGE			15.27	Feb 26	15	Sep 26 1990
INSTANTANEOUS LOW FLOW			95	Sep 30	.82	
ANNUAL RUNOFF (CFSM)	.26		.50		11.09	
ANNUAL RUNOFF (INCHES)	3.50		6.76		6050	
10 PERCENT EXCEEDS	2520		3080		900	
50 PERCENT EXCEEDS	416		678		113	
90 PERCENT EXCEEDS	115		172			

ST MARYS RIVER BASIN

02228500 NORTH PRONG ST MARYS RIVER AT MONIAC, GA.

LOCATION.--Lat 30°31'03", long 82°13'50", in NW 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 1996 TO SEPTEMBER 1997
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	162	81	51	75	273	148	65	496	65	46	327	34
2	254	74	79	73	239	134	56	396	79	42	575	31
3	335	67	86	70	207	123	50	328	67	37	717	30
4	286	60	82	68	183	114	46	276	57	32	897	28
5	219	56	77	66	166	105	43	223	51	36	835	25
6	175	54	75	89	153	97	40	176	49	64	693	22
7	693	53	80	134	139	88	40	147	45	149	569	20
8	2640	63	103	154	132	79	40	125	42	236	471	18
9	3020	76	100	220	127	73	36	107	39	201	396	16
10	2790	76	90	435	120	69	33	91	36	169	344	14
11	2260	72	83	430	113	65	31	77	33	144	335	13
12	1700	68	78	361	106	61	29	70	32	119	366	11
13	1250	65	76	305	99	58	28	114	30	101	350	10
14	933	62	73	264	97	64	27	127	28	89	299	8.8
15	724	59	70	232	130	71	28	107	25	82	257	8.2
16	597	57	66	225	158	65	27	92	22	72	216	7.7
17	510	55	64	229	141	60	24	80	20	66	181	6.8
18	444	55	66	200	127	57	22	69	19	60	155	5.8
19	384	54	100	172	118	56	20	61	21	54	133	4.9
20	323	53	141	158	112	54	19	56	22	52	118	4.1
21	270	53	132	147	107	101	17	51	20	51	104	3.4
22	227	57	120	137	108	141	17	46	17	49	96	2.8
23	193	56	112	129	130	115	58	41	16	45	86	2.4
24	167	54	105	122	128	94	81	41	22	41	82	2.1
25	148	53	99	123	140	82	60	54	30	38	73	2.2
26	134	52	93	140	173	80	53	52	28	49	62	4.6
27	123	50	88	134	181	76	326	49	26	78	53	14
28	113	48	86	125	164	69	630	78	27	95	47	18
29	105	46	83	119	---	63	756	85	30	97	41	15
30	97	46	80	195	---	62	646	73	51	96	37	12
31	89	---	78	283	---	73	---	62	---	104	36	---
TOTAL	21365	1775	2716	5614	4071	2597	3348	3850	1049	2594	8951	394.8
MEAN	689	59.2	87.6	181	145	83.8	112	124	35.0	83.7	289	13.2
MAX	3020	81	141	435	273	148	756	496	79	236	897	34
MIN	89	46	51	66	97	54	17	41	16	32	36	2.1
CFSM	4.31	.37	.55	1.13	.91	.52	.70	.78	.22	.52	1.80	.08
IN.	4.97	.41	.63	1.31	.95	.60	.78	.90	.24	.60	2.08	.09

ST MARYS RIVER BASIN

02228500 NORTH PRONG ST MARYS RIVER AT MONIAC, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1921 - 1997, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	148	55.4	91.8	173	223	242	201	72.0	89.7	122	187	206
MAX	914	520	498	583	922	1203	2238	540	775	802	726	1592
(WY)	1951	1970	1977	1986	1986	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 1996 CALENDAR YEAR

FOR 1997 WATER YEAR

WATER YEARS 1921 - 1997

ANNUAL TOTAL	40622.18		58324.8									
ANNUAL MEAN	111		160								151	
HIGHEST ANNUAL MEAN											377	1973
LOWEST ANNUAL MEAN											16.3	1955
HIGHEST DAILY MEAN	3020	Oct 9	3020	Oct 9							11400	Apr 5 1973
LOWEST DAILY MEAN	.81	Jun 6	2.1	Sep 24							.00	a
ANNUAL SEVEN-DAY MINIMUM	1.5	Jun 2	3.1	Sep 20							.00	b
INSTANTANEOUS PEAK FLOW			3040	Oct 9							11600	Apr 5 1973
INSTANTANEOUS PEAK STAGE			16.19	Oct 9							22.98	Apr 5 1973
INSTANTANEOUS LOW FLOW			1.8	Sep 25							.00	a
ANNUAL RUNOFF (CFSM)	.69		1.00								.94	
ANNUAL RUNOFF (INCHES)	9.44		13.56								12.84	
10 PERCENT EXCEEDS	189		326								407	
50 PERCENT EXCEEDS	43		78								49	
90 PERCENT EXCEEDS	8.2		22								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 1996 TO SEPTEMBER 1997
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	252	399	162	369	744	363	183	4020	522	282	1490	214
2	429	367	242	347	699	333	170	3610	652	327	2610	177
3	654	337	337	325	634	307	154	3080	688	473	3510	156
4	806	310	319	306	577	286	141	2560	605	438	3870	141
5	782	287	293	292	528	266	130	2190	558	431	3710	129
6	724	267	269	318	489	248	120	1900	531	862	3370	119
7	1810	253	303	467	453	230	112	1610	507	1180	2980	109
8	12200	258	507	529	427	212	105	1350	476	1530	2710	99
9	14200	291	600	576	422	197	100	1090	437	1820	2350	90
10	13200	300	564	945	412	186	93	891	399	1820	2060	83
11	11100	280	509	1250	386	176	87	743	346	1560	1830	78
12	9120	258	455	1210	362	168	81	625	312	1310	1710	74
13	7360	241	411	1050	340	160	78	552	289	1110	1720	70
14	5930	228	383	919	328	160	75	540	275	950	1510	67
15	4790	215	360	826	349	176	77	511	274	820	1250	63
16	3900	204	335	775	443	181	79	452	265	705	1020	60
17	3180	199	314	798	470	171	78	399	244	597	884	57
18	2550	194	306	781	429	162	72	355	221	521	797	56
19	2120	189	447	716	388	154	66	314	207	475	688	53
20	1780	186	815	654	361	148	62	280	229	543	601	50
21	1500	182	869	599	342	149	58	257	256	755	530	48
22	1250	189	795	553	327	318	56	238	236	825	462	46
23	1030	196	722	512	337	475	78	218	203	762	401	45
24	881	193	657	478	365	378	203	213	199	683	377	45
25	772	187	599	459	363	309	259	553	229	542	366	49
26	687	181	551	487	371	272	222	714	250	449	298	52
27	617	176	511	512	391	259	798	656	255	476	251	62
28	560	171	476	490	389	243	2380	608	240	716	216	79
29	513	165	448	462	---	218	3620	613	221	791	191	87
30	471	160	421	487	---	200	4120	586	235	777	178	77
31	435	---	393	682	---	186	---	532	---	833	236	---
TOTAL	105603	7063	14373	19174	12126	7291	13857	32260	10361	25363	44176	2535
MEAN	3407	235	464	619	433	235	462	1041	345	818	1425	84.5
MAX	14200	399	869	1250	744	475	4120	4020	688	1820	3870	214
MIN	252	160	162	292	327	148	56	213	199	282	178	45
CFSM	4.87	.34	.66	.88	.62	.34	.66	1.49	.49	1.17	2.04	.12
IN.	5.61	.38	.76	1.02	.64	.39	.74	1.71	.55	1.35	2.35	.13

ST MARYS RIVER BASIN

02231000 ST MARYS RIVER NEAR MACCLENNY, FLA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1927 - 1997, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	815	279	366	615	821	955	780	326	366	608	952	1043
MAX	6240	4155	2470	2404	2503	4928	6564	3303	2642	2183	3296	6340
(WY)	1948	1948	1948	1942	1970	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 1996 CALENDAR YEAR

FOR 1997 WATER YEAR

WATER YEARS 1927 - 1997

ANNUAL TOTAL	220852		294182									
ANNUAL MEAN	603		806								660	
HIGHEST ANNUAL MEAN											2285	1948
LOWEST ANNUAL MEAN											90.1	1955
HIGHEST DAILY MEAN	14200	Oct 9	14200	Oct 9							27600	Sep 25 1947
LOWEST DAILY MEAN	34	Jun 7	45	Sep 23							12	May 22 1932
ANNUAL SEVEN-DAY MINIMUM	35	Jun 5	48	Sep 20							15	May 31 1927
INSTANTANEOUS PEAK FLOW			14400	Oct 8							28100	Sep 25 1947
INSTANTANEOUS PEAK STAGE			19.62	Oct 8							a23.25	Sep 13 1964
INSTANTANEOUS LOW FLOW			44	Sep 23							b12	May 22 1932
ANNUAL RUNOFF (CFSM)	.86		1.15								.94	
ANNUAL RUNOFF (INCHES)	11.74		15.63								12.80	
10 PERCENT EXCEEDS	994		1710								1630	
50 PERCENT EXCEEDS	254		386								236	
90 PERCENT EXCEEDS	64		97								39	

a From floodmarks

b Observed

ST MARYS RIVER BASIN

02231000 ST MARYS RIVER NEAR MACCLENLY, FLA.--Continued

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.85	4.31	2.67	4.14	6.10	4.10	2.87	13.80	4.93	3.51	8.96	3.22
2	4.08	4.13	3.32	4.01	5.88	3.93	2.75	13.32	5.61	3.80	11.90	2.91
3	5.43	3.95	3.95	3.88	5.56	3.77	2.60	12.63	5.79	4.66	13.19	2.71
4	6.28	3.79	3.85	3.76	5.28	3.63	2.47	11.88	5.37	4.45	13.62	2.56
5	6.15	3.63	3.67	3.67	5.03	3.50	2.36	11.12	5.13	4.41	13.43	2.44
6	5.83	3.51	3.53	3.84	4.81	3.38	2.25	10.32	4.98	6.63	13.01	2.33
7	9.26	3.41	3.73	4.69	4.61	3.25	2.16	9.46	4.85	7.97	12.49	2.22
8	18.68	3.45	4.90	5.03	4.46	3.12	2.08	8.56	4.67	9.20	12.11	2.11
9	19.55	3.67	5.40	5.27	4.43	3.00	2.04	7.61	4.45	10.10	11.49	2.02
10	19.20	3.72	5.21	6.99	4.38	2.89	1.97	6.77	4.23	10.11	10.77	1.94
11	18.34	3.59	4.92	8.20	4.24	2.81	1.89	6.06	3.92	9.29	10.14	1.88
12	17.35	3.45	4.62	8.06	4.10	2.74	1.83	5.48	3.71	8.44	9.80	1.83
13	16.35	3.33	4.38	7.46	3.97	2.66	1.79	5.10	3.56	7.68	9.80	1.77
14	15.40	3.23	4.22	6.91	3.90	2.66	1.75	5.03	3.47	7.04	9.13	1.73
15	14.51	3.15	4.09	6.49	4.02	2.80	1.78	4.87	3.46	6.44	8.22	1.68
16	13.65	3.06	3.94	6.25	4.55	2.85	1.80	4.54	3.40	5.88	7.34	1.64
17	12.77	3.01	3.81	6.36	4.71	2.76	1.79	4.23	3.25	5.33	6.76	1.60
18	11.86	2.97	3.76	6.28	4.47	2.67	1.71	3.98	3.08	4.93	6.37	1.58
19	10.94	2.93	4.56	5.97	4.25	2.60	1.64	3.72	2.98	4.67	5.86	1.55
20	9.98	2.90	6.44	5.66	4.09	2.54	1.58	3.50	3.14	5.04	5.44	1.50
21	9.08	2.87	6.69	5.39	3.98	2.55	1.53	3.34	3.33	6.12	5.08	1.46
22	8.20	2.92	6.34	5.15	3.89	3.76	1.49	3.21	3.19	6.47	4.71	1.44
23	7.38	2.99	5.99	4.93	3.95	4.73	1.78	3.06	2.94	6.16	4.38	1.42
24	6.74	2.96	5.68	4.75	4.12	4.19	2.99	3.01	2.91	5.77	4.24	1.41
25	6.24	2.90	5.39	4.64	4.11	3.78	3.45	5.07	3.14	5.04	4.18	1.48
26	5.82	2.85	5.14	4.80	4.15	3.55	3.20	5.92	3.30	4.51	3.78	1.53
27	5.48	2.80	4.93	4.93	4.27	3.46	6.09	5.63	3.33	4.67	3.47	1.67
28	5.19	2.77	4.74	4.81	4.26	3.34	11.41	5.39	3.22	5.93	3.23	1.89
29	4.94	2.71	4.58	4.66	---	3.17	13.32	5.42	3.08	6.30	3.03	1.99
30	4.71	2.66	4.43	4.80	---	3.02	13.91	5.27	3.18	6.24	2.92	1.86
31	4.51	---	4.28	5.80	---	2.90	---	4.99	---	6.50	3.37	---
MEAN	9.90	3.25	4.62	5.41	4.48	3.23	3.34	6.53	3.85	6.24	7.81	1.91
MAX	19.55	4.31	6.69	8.20	6.10	4.73	13.91	13.80	5.79	10.11	13.62	3.22
MIN	2.85	2.66	2.67	3.67	3.89	2.54	1.49	3.01	2.91	3.51	2.92	1.41
CAL YR 1996	MEAN 3.97		MAX 19.55		MIN .85							
WTR YR 1997	MEAN 5.07		MAX 19.55		MIN 1.41							

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 1996 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								
Broad River above Carlton, Ga. (Prior to 1918 published as near Carlton.) (02191300)	Lat 34°04'24", long 83°00'12", Madison-Elbert County line, Hydrologic Unit 03060104, at State Highway 72, 2.8 mi northeast of Carlton. Drainage area is 760 mi ² . Datum of gage is 404.60 ft above sea level.	1898-1912, g1913-18, g1920-83, 1986-97	03-01-97	19.37	13,200	08-25-08	39.00	70,000
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).	1964-97	03-01-97	5.69	547	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).	1984-97	02-15-97	11.05	1,280	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).	1963-97	02-15-97	b	<160	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, 1984-97	08-02-97	14.11	3,670	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.	1979-97	02-16-97	11.00	1,240	03-14-80	14.82	4,020

< Less than.

b Peak stage did not reach above bottom of crest-stage gage.

g Maximum gage heights computed from graph based on gage readings.

** Day unknown.

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 1996 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 gage is 210 ft above sea level (from topographic map).	1965-97	02-14-97	4.01	206	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, 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††, 1972-97	02-25-97	9.39	8,510	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).	1977-97	02-28-97	3.89	18	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) 1996-97	08-24-96 02-28-97	5.67 4.75	764 570	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 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).	1987-97	04-28-97	6.38	128	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 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) 1995-96	09-25-97	4.71	331	07-15-56	6.96(d)	615
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).	1994-97	09-25-97	5.88	453	10-05-95	8.18	836
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 . Elevation of gage is 990 ft above sea level (from topographic map).	1987-97	11-02-96	2.90	61	09-07-87	6.71	144

†† Operated as a continuous-record gaging station.

** Day unknown.

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 1996 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								
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).	1987-97	07-24-97	6.83	115	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).	1987-97	02-28-97	9.69	84	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).	1987-97	07-24-97	8.10	154	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) 1995-96	02-28-97	5.60	780	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).	1994-97	02-28-97	6.37	1,100	01-27-96	8.75	2,520
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).	1994-97	02-28-97	6.93	425	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 1983-97	03-01-97	16.73	7,560	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 1995-97	04-28-97	3.51	565	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).	1994-97	06-27-94 09-14-95 10-05-95 02-28-97	4.20 3.34 7.42 3.00	398 283 691 225	10-05-95	7.42	691

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 1996 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								
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).	1995-97	02-28-97	7.37	506	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).	1979-97	02-14-97	8.79	572	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).	1979-97	10-05-95 01-09-97	6.26 6.23	428(c) 419	07-06-94	19.86	24,000
Folsom Creek tributary near Rochelle, Ga. (02215245)	Lat 32°00'15", long 83°25'58", Wilcox County, Hydrologic Unit 03070104, at culvert on State High- way 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).	1964-97	04-28-97	3.75	165	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).	1984-97	02-15-97	7.57	1,810	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).	1997	06-25-97	4.23	367	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, 1984-97	03-01-97	10.70	2,500	12-06-83	13.79	5,710
Mulberry River tributary near Winder, Ga. (02217400)	Lat 34°03'53", long 83°39'45", Jackson County, Hydrologic Unit 03070101, at culvert on State High- way 11, 6 miles northeast of Winder. Drainage area is 2.68 mi ² . Elevation of gage is 740 ft above sea level (from topographic map).	1965-97	09-25-97	3.31	489	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 miles north of Dacula. Drainage area is 5.67 mi. Elevation of gage is 935 ft above sea level (from topographic map).	1994-97	06-27-94 02-16-95 10-05-95 09-25-97	3.02 2.90 6.21 3.26	292 277 812 321	10-05-95	6.21	812

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 1996 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								
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, 1984-97	03-01-97	13.80	2,160	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).	1977-97	03-01-97	b	<5	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, 1984-97	02-23-97	14.01	4,300	03-19-29	20.90	19,000
Little Ochoopee 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, 1980-97	02-24-97	7.36	2,720	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).	1965-97	02-15-97	5.00	370	08-24-91	8.04	2,030
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).	1976-97	08-01-97	1.71	28	06-25-91	2.72	74
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.	1977-97	10-08-96	1.02	11	08-02-78	2.63	93

< Less than.

b Peak stage did not reach above bottom of crest-stage gage.

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
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
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
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

ACTIVE AND DISCONTINUED GAGING STATIONS--Continued

Station no.	Station name	Latitude	Longitude	Drainage area (mi ²)	Period(s) of record			
02198500	Savannah River near Clyo	32°31'30"	81°15'45"	9,850	Apr. 1, 1930 to Oct. 1, 1937	to	Sept. 30, 1933	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	Tucsaawatchee Creek near Hawkinsville	32°14'22"	83°30'06"	163	Apr. 1, 1986	to	current year	
02215400	Big Horse Creek near Lumber City	31°51'07"	82°49'37"	155	Oct. 1, 1958	to	Dec. 31, 1961	
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	
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	

ACTIVE AND DISCONTINUED GAGING STATIONS--Continued

Station no.	Station name	Latitude	Longitude	Drainage area (mi ²)	Period(s) of record		
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
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

ACTIVE AND DISCONTINUED GAGING STATIONS--Continued

Station no.	Station name	Latitude	Longitude	Drainage area (mi ²)	Period(s) of record		
02318500	Withlacoochee River near Quitman	30°47'35"	83°27'13"	1,480	Oct. 1, 1928 to June 9, 1937	to	Dec. 11, 1931 to May 31, 1948
					Oct. 1, 1988 to June 1, 1992	to	May 7, 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 Dahlonga	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	current year
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	current year
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	current year
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	current year
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
02337000	Sweetwater Creek near Austell	33°46'22"	84°36'53"	246	May 18, 1904	to	Dec. 31, 1905
					Mar. 24, 1937	to	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	current year

ACTIVE AND DISCONTINUED GAGING STATIONS--Continued

Station no.	Station name	Latitude	Longitude	Drainage area (mi ²)	Period(s) of record		
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	current year
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	to	June 30, 1954
					Jan. 1, 1965	to	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	to	Oct. 31, 1931
					Oct. 1, 1938	to	Sept. 30, 1939
					Oct. 1, 1957	to	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	to	Dec. 31, 1944
					Oct. 1, 1960	to	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	to	May 31, 1923
					July 21, 1928	to	Dec. 31, 1931
					Mar. 18, 1937	to	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	to	Dec. 31, 1909
					Jan. 1, 1911	to	Dec. 31, 1912
					July 1, 1930	to	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
02350080	Lime Creek near Cobb	32°02'06"	83°59'33"	61.8	Apr. 30, 1983	to	Jan. 11, 1984
					Mar. 1, 1993	to	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

ACTIVE AND DISCONTINUED GAGING STATIONS--Continued

Station no.	Station name	Latitude	Longitude	Drainage area (mi ²)	Period(s) of record		
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	to	June 30, 1921
02353000	Flint River at Newton	31°18'34"	84°20'06"	5,740	Oct. 1, 1929	to	current year
					Apr. 1, 1938	to	Sept. 30, 1945
					Oct. 1, 1946	to	Sept. 30, 1947
					Jan. 1, 1949	to	Sept. 30, 1950
					Oct. 1, 1956	to	current year
02353400	Pachitla Creek near Edison	31°33'17"	84°40'43"	188	June 9, 1959	to	Sept. 30, 1971
02353500	Ichawaynochaway Creek at Milford	31°22'58"	84°32'52"	620	Mar. 24, 1988	to	current year
					Sept. 1, 1905	to	Dec. 31, 1907
02354000	Alligator Creek near Milford	31°21'17"	84°33'58"	14.0	Oct. 1, 1939	to	current year
02354500	Chickasawhatchee Creek at Elmodel	31°21'09"	84°29'10"	320	Jan. 1, 1942	to	May 31, 1952
					Oct. 1, 1939	to	Dec. 31, 1949
02354800	Ichawaynochaway Creek near Elmodel	31°17'42"	84°29'17"	1,000	July 28, 1995	to	current year
02355000	Ichawaynochaway Creek near Newton	31°16'00"	84°29'00"	1,020	Apr. 15, 1995	to	current year
					Aug. 10, 1937	to	Mar. 31, 1939
02355350	Ichawaynochaway Creek below Newton	31°12'48"	84°28'24"	1,040	Oct. 1, 1939	to	Sept. 30, 1947
					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	to	Dec. 31, 1913
					Oct. 1, 1928	to	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	to	Apr. 30, 1971
					Dec. 20, 1976	to	Sept. 30, 1978
02379000	Cartecay River near Cartecay	34°38'19"	84°24'32"	86.4	June 7, 1982	to	current year
					July 1, 1904	to	Dec. 31, 1905
02379500	Cartecay River near Ellijay	34°40'53"	84°27'20"	134	Dec. 12, 1918	to	June 30, 1921
					Mar. 17, 1937	to	Sept. 30, 1977
02380000	Ellijay River at Ellijay	34°41'06"	84°28'40"	87.7	May 4, 1907	to	Dec. 31, 1907
					Dec. 10, 1918	to	June 30, 1921
02380500	Coosawattee River near Ellijay	34°40'18"	84°30'31"	236	Feb. 26, 1953	to	Sept. 30, 1969
					Oct. 1, 1938	to	Dec. 31, 1949
02381000	Mountaintown Creek near Ellijay	34°45'00"	84°33'25"	31.5	June 1, 1963	to	current year
					Oct. 1, 1939	to	Dec. 31, 1942
02381500	Coosawattee River near Carters	34°36'45"	84°40'15"	374	Sept. 12, 1925	to	Dec. 10, 1931
02381600	Fausett Creek near Talking Rock	34°34'17"	84°27'55"	9.99	Oct. 1, 1961	to	Sept. 30, 1964
					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	to	Dec. 31, 1942
					May 1, 1959	to	Sept. 30, 1974
02382200	Talking Rock Creek near Hinton	34°31'22"	84°36'40"	119	Aug. 1, 1986	to	Apr. 2, 1991
					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	to	Dec. 1, 1908
					Dec. 21, 1918	to	Sept. 30, 1923
02383000	Rock Creek near Fairmount	34°21'32"	84°46'46"	6.17	Oct. 1, 1961	to	Sept. 7, 1972
					Oct. 1, 1974	to	current year
02383500	Coosawattee River near Pine Chapel	34°33'51"	84°49'59"	831	Oct. 1, 1951	to	Sept. 30, 1974
					Nov. 11, 1938	to	current year
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

ACTIVE AND DISCONTINUED GAGING STATIONS--Continued

Station no.	Station name	Latitude	Longitude	Drainage area (mi ²)	Period(s) of record		
02387500	Oostanaula 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	Oostanaula 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
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 Clyo	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).

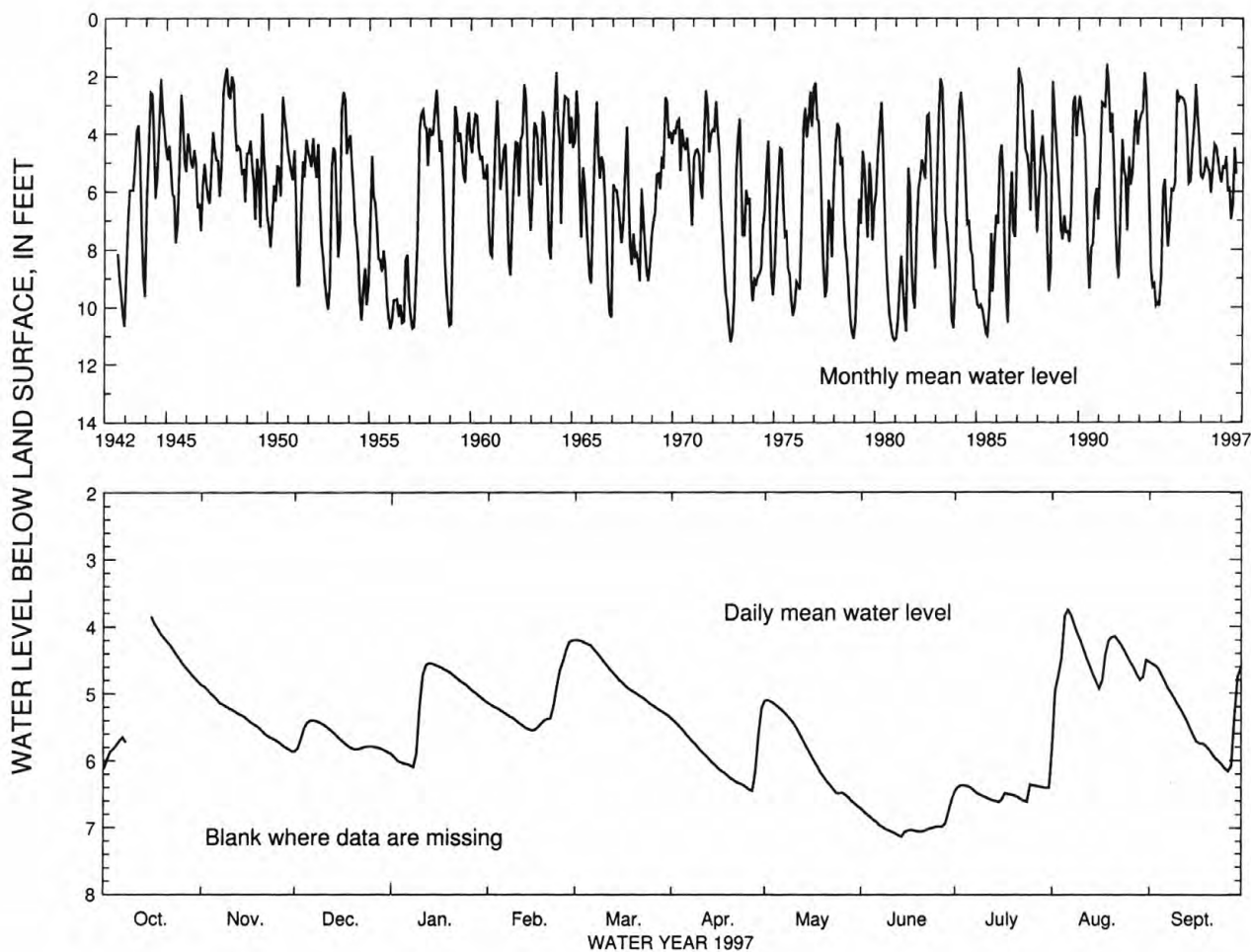
WELL CHARACTERISTICS.—Bored observation well, diameter 30 in., depth 15 ft, cased to 15 ft, open end.

DATUM.—Altitude of land-surface datum is 18.67 ft.

REMARKS.—Responds quickly to precipitation. Water levels for period, October 9-15, 1996, are missing.

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-1997	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
HIGH	-----	4.87	5.40	4.54	4.20	4.20	5.22	5.10	6.58	6.36	3.75	4.53
MEAN	-----	5.38	5.68	5.14	5.17	4.77	5.94	5.89	6.96	6.48	4.47	5.37
LOW	-----	5.86	5.88	6.09	5.55	5.33	6.45	6.68	7.13	6.62	5.82	6.16

WATER YEAR 1997 HIGH 3.75 (Aug. 6, 1997) MEAN 5.52 LOW 7.13 (June 14, 1997)

GROUND-WATER LEVELS

CHATHAM COUNTY

320021081124801 Local number, 36Q020.

LOCATION.—Lat 32°00'18", long 81°12'48", Hydrologic Unit 03060204.

SITE NAME.—H. J. Morrison.

INSTRUMENTATION.—Digital recorder.

AQUIFER.—Upper Floridan.

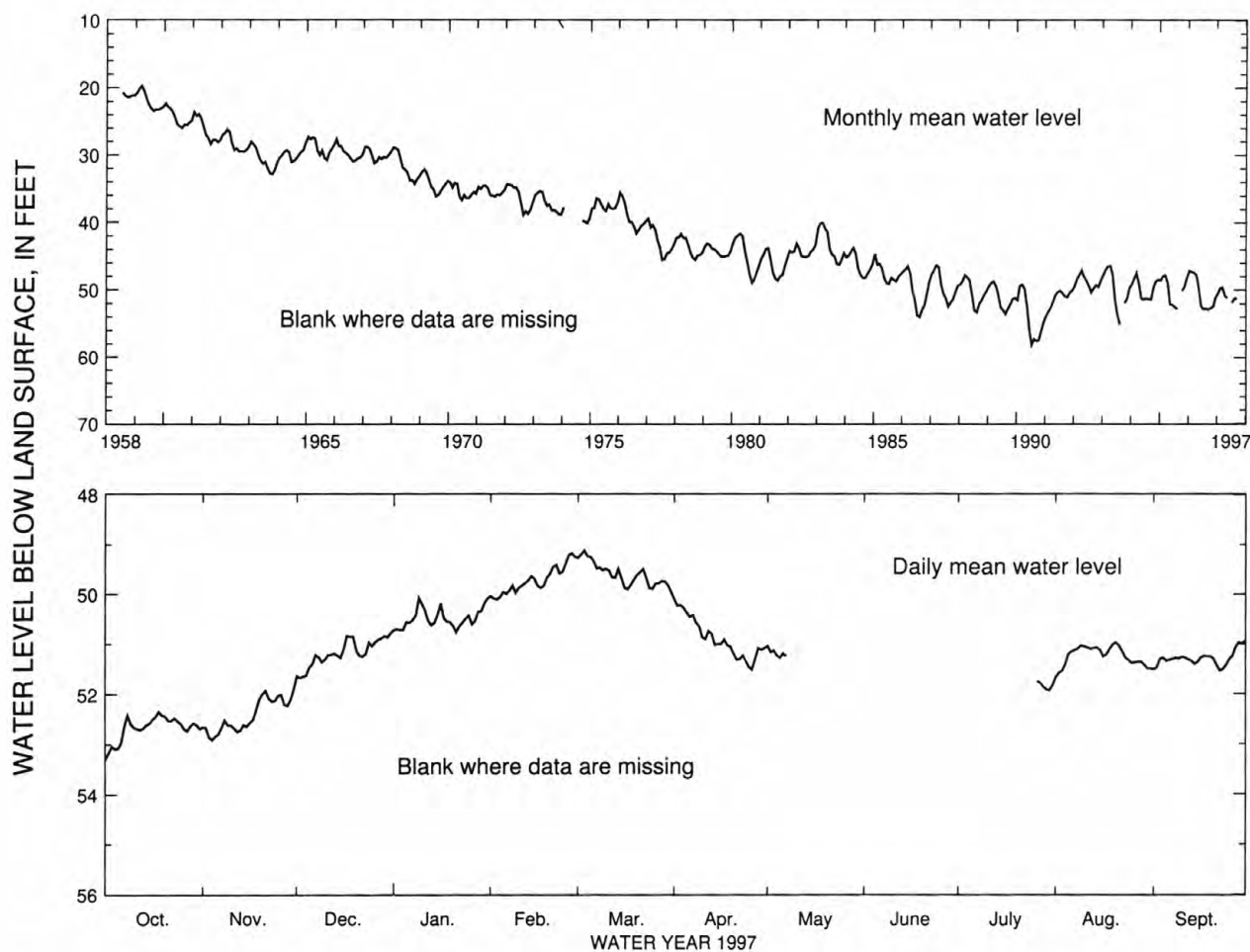
WELL CHARACTERISTICS.—Drilled unused supply well, diameter 3 in., depth 365 ft, cased to 330 ft, open hole.

DATUM.—Altitude of land-surface datum is 13 ft.

REMARKS.—Water levels for period, May 8 to July 25, 1997, are missing.

PERIOD OF RECORD.—March 1958 to current year. Continuous record since August 1958.

EXTREMES FOR PERIOD OF RECORD.—Highest water level, 17.66 ft below land-surface datum, June 28, 1958; lowest, recorded, 58.56 ft below land-surface datum, July 12, 1990, but may have been lower during period of missing record, July 13-22, 1990.



WY-1997	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
HIGH	52.35	51.90	50.78	50.08	49.18	49.12	50.10	-----	-----	-----	50.97	50.94
MEAN	52.68	52.43	51.18	50.49	49.73	49.60	50.88	-----	-----	-----	51.24	51.29
LOW	53.29	52.91	51.68	50.76	50.11	49.96	51.51	-----	-----	-----	51.67	51.53

WATER YEAR 1997

HIGH 49.12 (Mar. 3, 1997)

MEAN 51.08

LOW 53.29 (Oct. 1, 1996)

GROUND-WATER LEVELS

CHATHAM COUNTY

320122080510204 Local number, 39Q003.

LOCATION.—Lat 32°01'22", long 80°51'01", Hydrologic Unit 03060204.

SITE NAME.—U.S. Geological Survey, test well 7.

INSTRUMENTATION.—Digital recorder.

AQUIFER.—Upper Floridan.

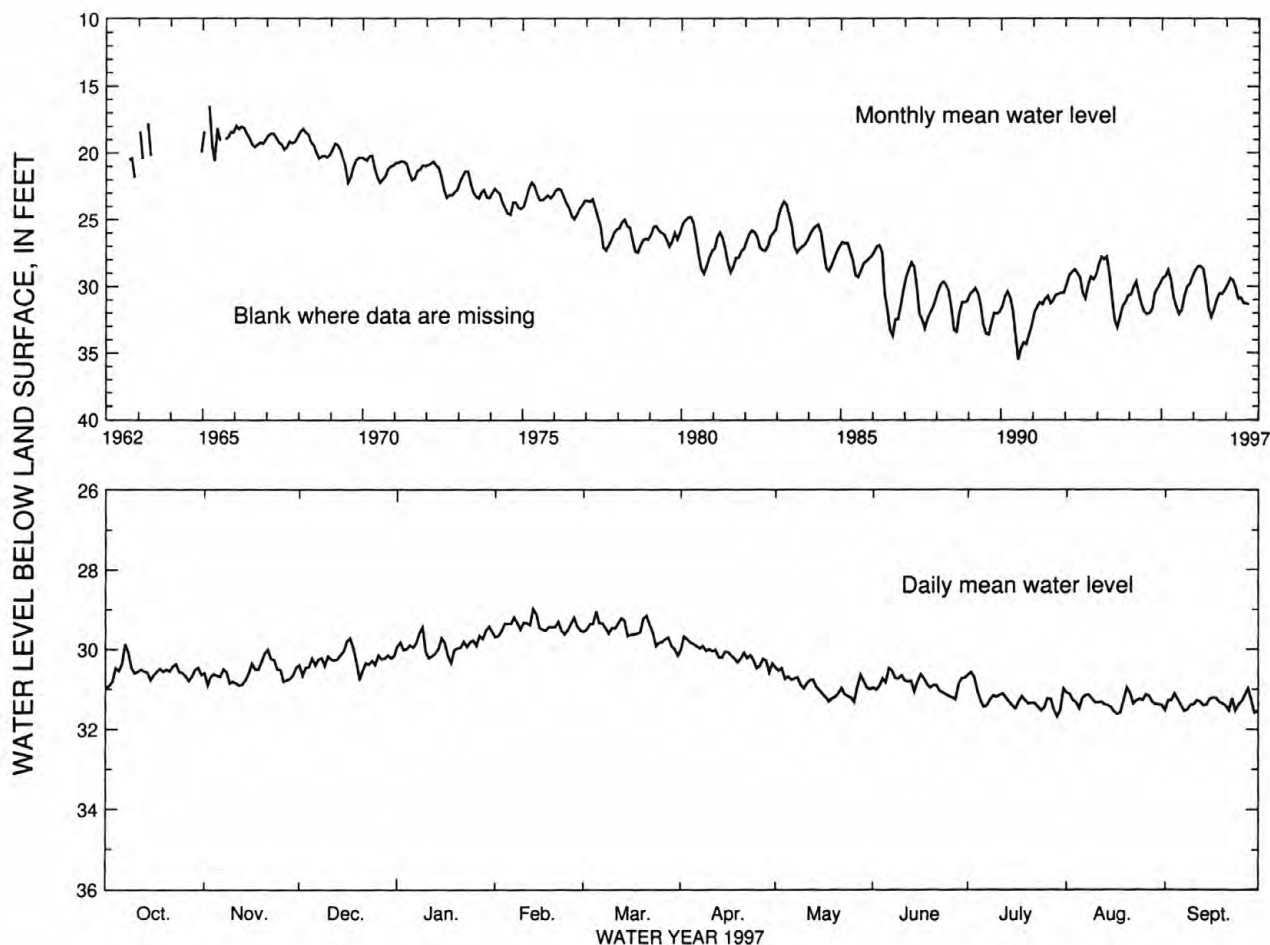
WELL CHARACTERISTICS.—Drilled observation well, diameter 10 in., depth 600 ft, cased to 129 ft, open hole.

DATUM.—Altitude of land-surface datum is 7.0 ft.

REMARKS.—None.

PERIOD OF RECORD.—May 1962 to current year. Continuous record since December 1964.

EXTREMES FOR PERIOD OF RECORD.—Highest water level, 17.80 ft below land-surface datum, April 11, 1963; lowest, 36.07 ft below land-surface datum, July 11-12, 1990.



WY-1997	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
HIGH	29.87	30.01	29.72	29.43	28.99	29.05	29.68	30.46	30.47	30.57	30.96	30.98
MEAN	30.55	30.59	30.27	29.88	29.41	29.55	30.12	30.92	30.87	31.25	31.30	31.34
LOW	30.96	30.91	30.77	30.35	29.70	30.16	30.58	31.32	31.25	31.68	31.62	31.58

WATER YEAR 1997

HIGH 28.99 (Feb. 13, 1997)

MEAN 30.51

LOW 31.68 (July 29, 1997)

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.

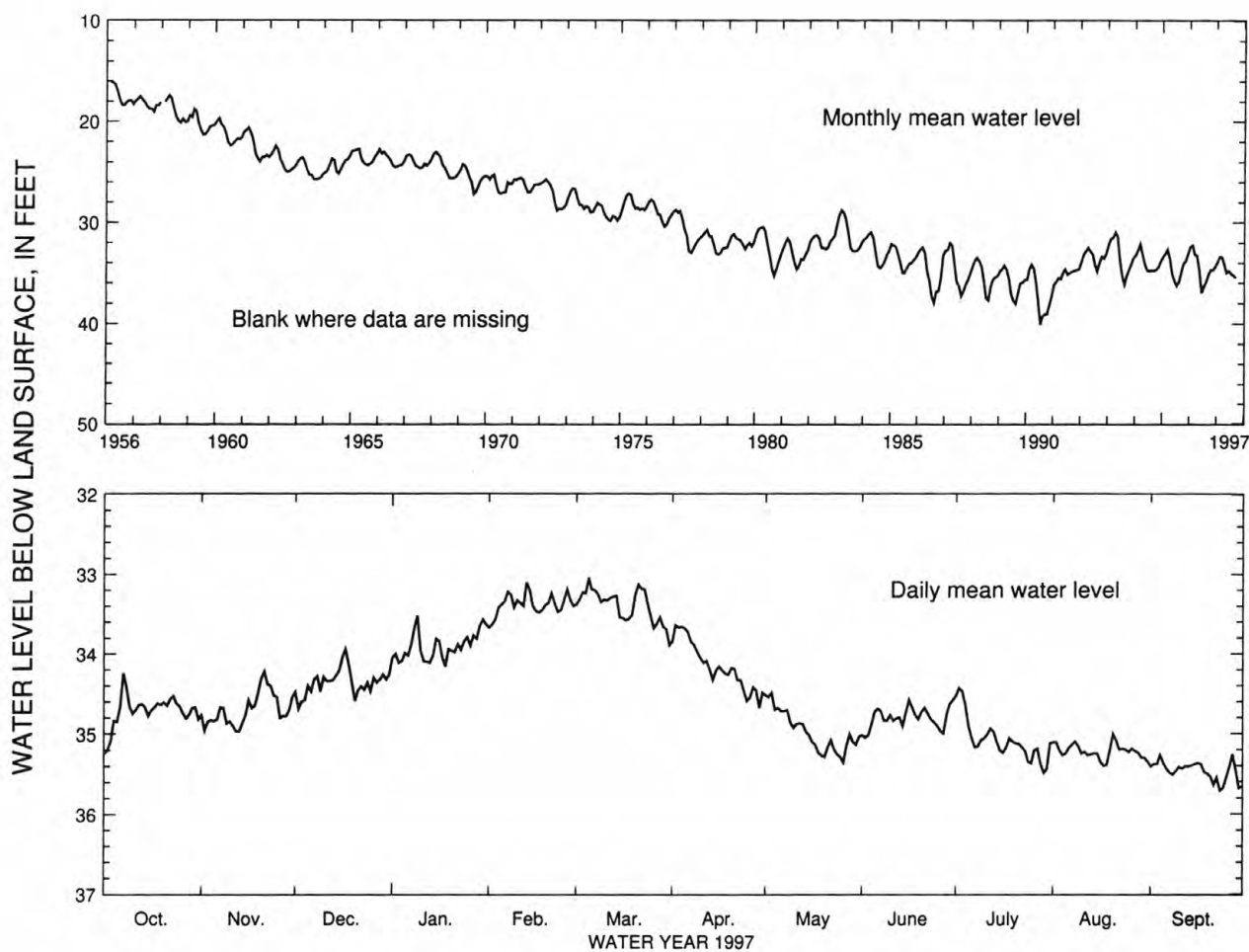
WELL CHARACTERISTICS.—Drilled observation well, diameter 8 in., depth 348 ft, cased to 110 ft, open hole.

DATUM.—Altitude of land-surface datum is 8.0 ft.

REMARKS.—None.

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-1997	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
HIGH	34.24	34.22	33.94	33.52	33.10	33.04	33.64	34.49	34.58	34.43	35.01	35.26
MEAN	34.71	34.70	34.36	33.91	33.38	33.39	34.15	34.98	34.81	35.08	35.22	35.47
LOW	35.24	34.97	34.69	34.16	33.67	33.89	34.68	35.36	35.05	35.49	35.40	35.71

WATER YEAR 1997

HIGH 33.04 (Mar. 5, 1997)

MEAN 34.52

LOW 35.71 (Sept. 23, 1997)

GROUND-WATER LEVELS

CHATHAM COUNTY

320530081085001 Local number, 36Q008.

LOCATION.—Lat 32°05'30", long 81°08'50", Hydrologic Unit 03060204.

SITE NAME.—Layne-Atlantic Company.

INSTRUMENTATION.—Electronic data recorder.

AQUIFER.—Upper Floridan.

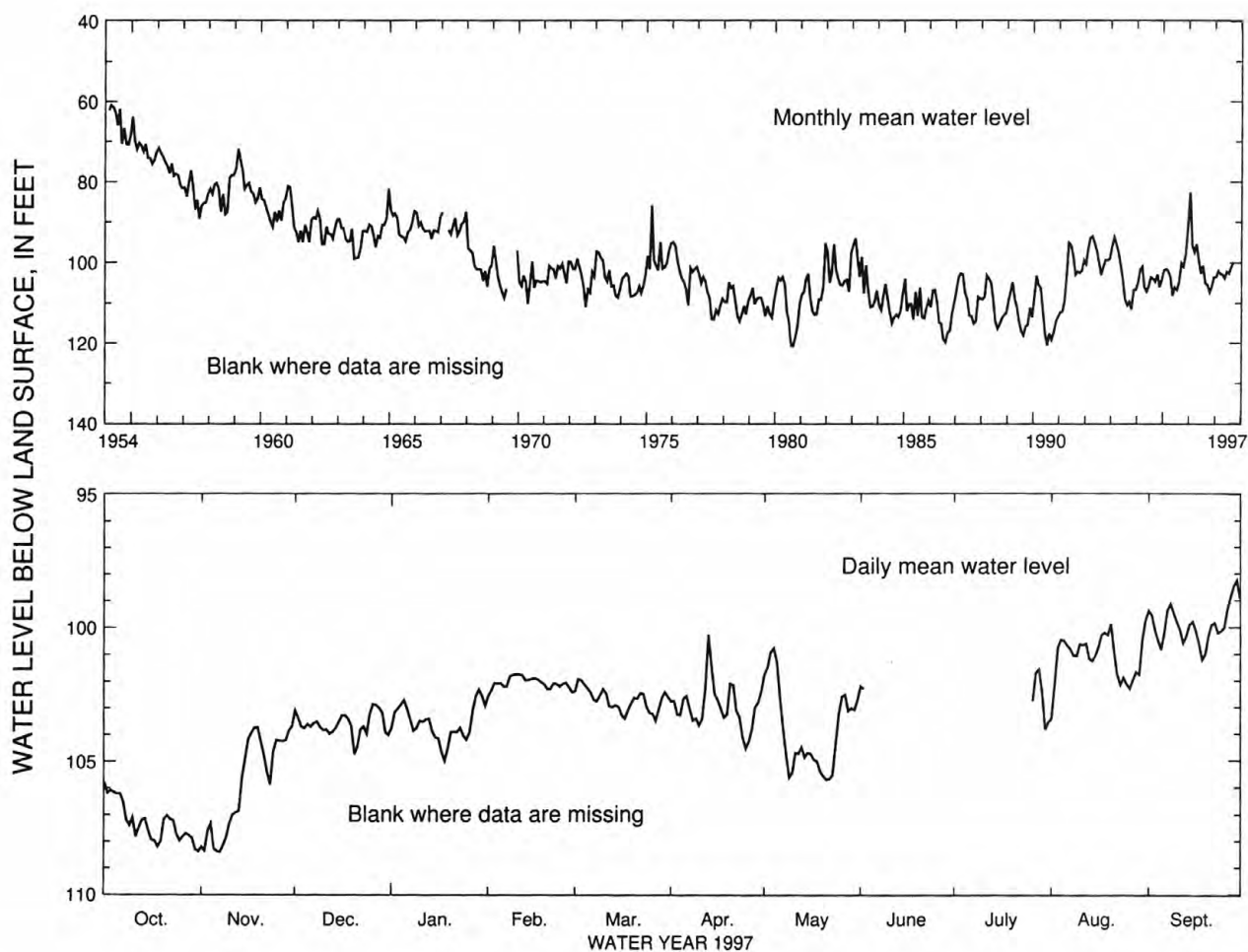
WELL CHARACTERISTICS.—Drilled unused supply well, diameter 4 in., depth 406 ft, cased to 250 ft, open hole.

DATUM.—Altitude of land-surface datum is 9.91 ft.

REMARKS.—Water levels for period, June 3 to July 25, 1997, are missing.

PERIOD OF RECORD.—February 1954 to current year. Continuous record since February 1954.

EXTREMES FOR PERIOD OF RECORD.—Highest water level, 49.17 ft below land-surface datum, July 11, 1954; lowest, 124.40 ft below land-surface datum, August 30, 1980.



WY-1997	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
HIGH	105.79	103.69	102.86	102.32	101.74	101.92	100.27	100.78	-----	-----	99.77	98.25
MEAN	107.30	105.87	103.62	103.58	102.07	102.71	102.96	103.84	-----	-----	101.12	99.88
LOW	108.37	108.39	104.74	104.99	102.57	103.49	104.53	105.70	-----	-----	103.43	101.21

WATER YEAR 1997

HIGH 98.25 (Sept. 29, 1997)

MEAN 103.29

LOW 108.39 (Nov. 7, 1996)

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.

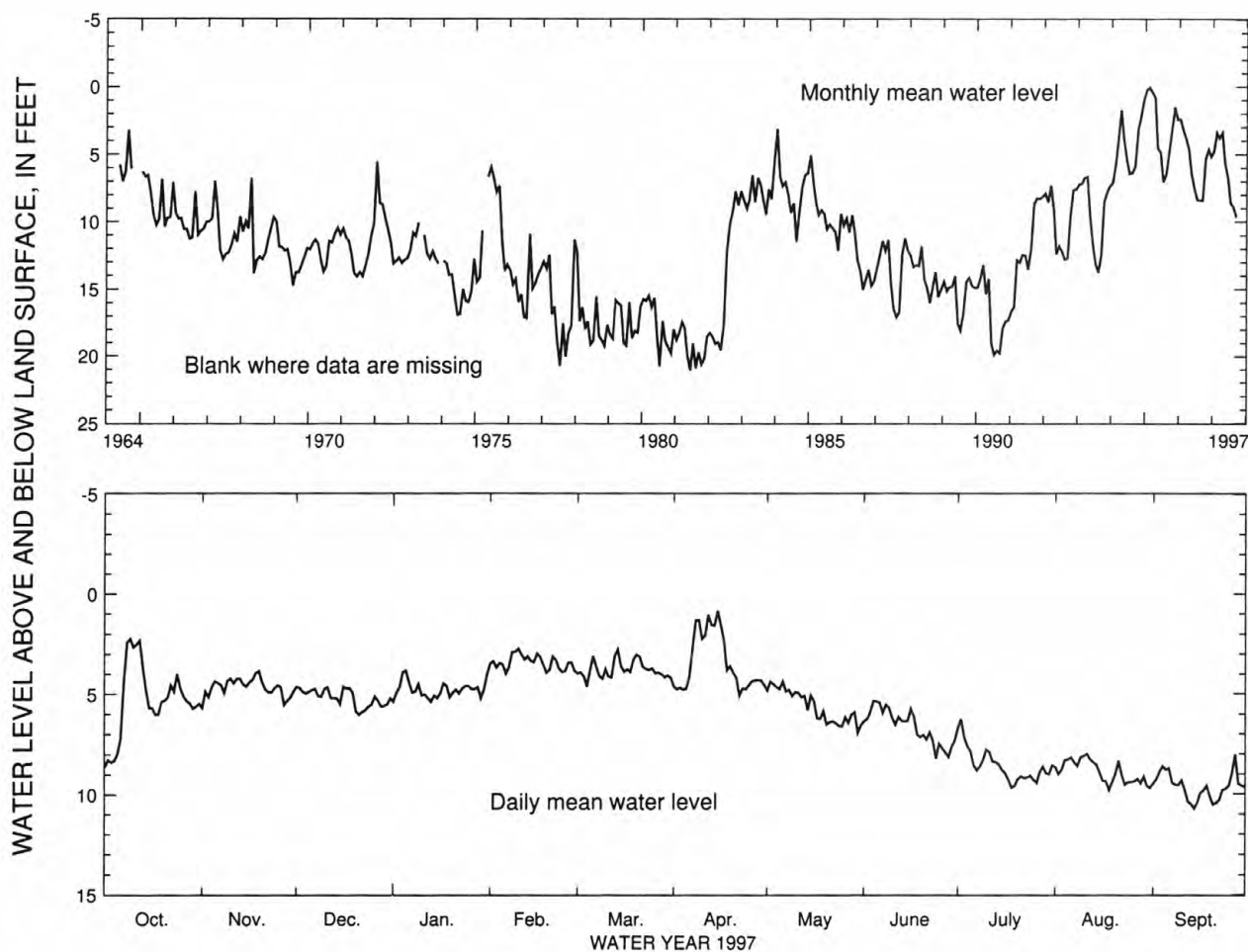
WELL CHARACTERISTICS.—Drilled observation well, diameter 4 in., depth 790 ft, cased to 520 ft, open hole.

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-1997	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
HIGH	2.24	3.85	4.63	3.83	2.73	2.77	0.84	4.38	5.36	6.27	8.01	8.03
MEAN	5.28	4.65	5.17	4.78	3.42	3.78	3.42	5.62	6.64	8.58	8.91	9.64
LOW	8.60	5.69	6.02	5.39	3.98	4.63	5.09	6.94	8.23	9.68	9.82	10.74

WATER YEAR 1997

HIGH 0.84 (Apr. 15, 1997)

MEAN 5.84

LOW 10.74 (Sept. 14, 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.—Digital recorder.

AQUIFER.—Upper Floridan.

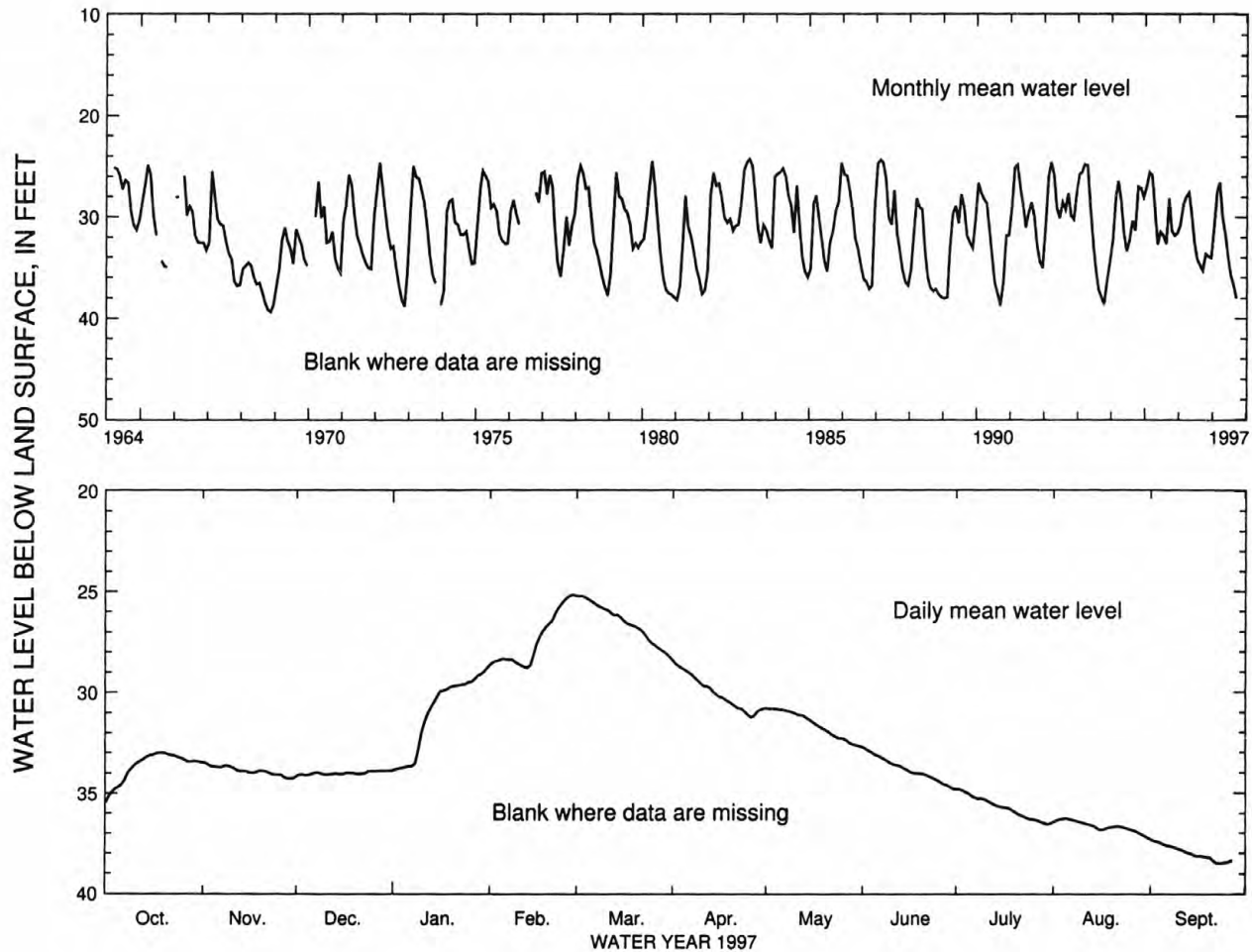
WELL CHARACTERISTICS.—Drilled unused supply well, diameter 4 in., depth 123 ft, cased to 89 ft, open hole.

DATUM.—Altitude of land-surface datum is 259 ft.

REMARKS.—Water levels for period, September 28-30, 1997, 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-1997	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
HIGH	33.01	33.48	33.90	28.82	25.19	25.23	28.44	30.80	32.74	34.82	36.26	37.33
MEAN	33.65	33.89	34.01	31.00	27.43	26.54	30.03	31.60	33.81	35.72	36.66	37.99
LOW	35.46	34.27	34.15	33.87	28.79	28.26	31.25	32.70	34.80	36.56	37.24	38.49

WATER YEAR 1997

HIGH 25.19 (Feb. 28, 1997)

MEAN 32.68

LOW 38.49 (Sept. 23, 1997)

GROUND-WATER LEVELS

LIBERTY COUNTY

315214081235301 Local number, 34N089.

LOCATION.—Lat 31°52'14", long 81°23'53", Hydrologic Unit 03060204.

SITE NAME.—U.S. Geological Survey, test well 1.

INSTRUMENTATION.—Electronic data recorder.

AQUIFER.—Upper Floridan.

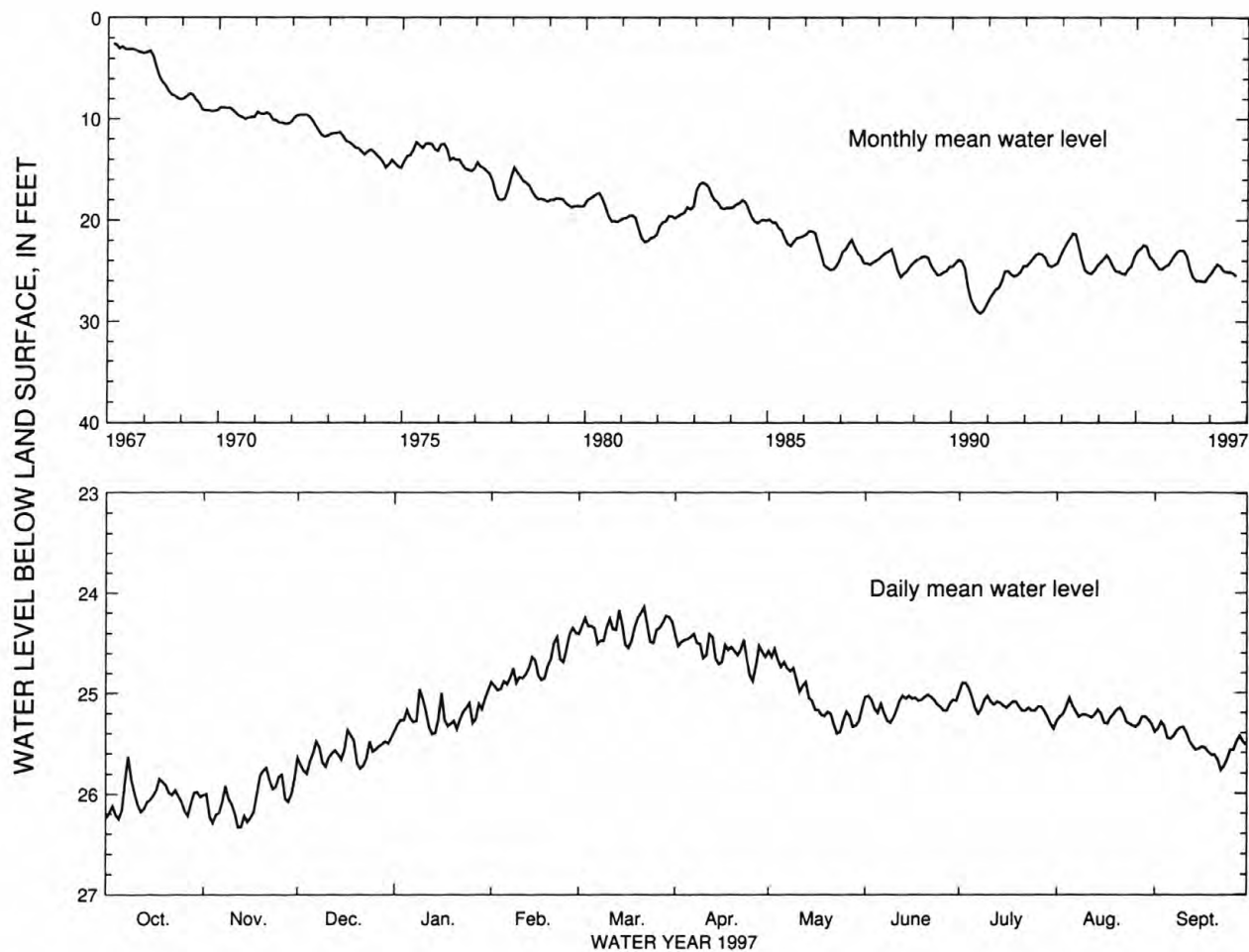
WELL CHARACTERISTICS.—Drilled observation well, diameter 4 in., depth 789 ft, cased to 410 ft, open hole.

DATUM.—Altitude of land-surface datum is 17 ft.

REMARKS.—None.

PERIOD OF RECORD.—February 1967 to current year. Continuous record since February 1967.

EXTREMES FOR PERIOD OF RECORD.—Highest water level, 2.34 ft below land-surface datum, March 6, 1967; lowest, 29.43 ft below land-surface datum, October 3, 1990.



WY-1997	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
HIGH	25.63	25.74	25.37	24.96	24.35	24.14	24.41	24.56	25.02	24.90	25.05	25.29
MEAN	26.04	26.05	25.59	25.22	24.73	24.35	24.57	25.03	25.11	25.12	25.23	25.50
LOW	26.25	26.33	25.80	25.41	24.97	24.55	24.88	25.41	25.30	25.36	25.34	25.77

WATER YEAR 1997

HIGH 24.14 (Mar. 22, 1997)

MEAN 25.22

LOW 26.33 (Nov. 12-13, 1996)

GROUND-WATER LEVELS

LONG COUNTY

313845081361701 Local number, 33M004.

LOCATION.—Lat 31°38'54", long 81°36'04", Hydrologic Unit 03070106.

SITE NAME.—U.S. Geological Survey, test well 3.

INSTRUMENTATION.—Digital recorder.

AQUIFER.—Upper Floridan.

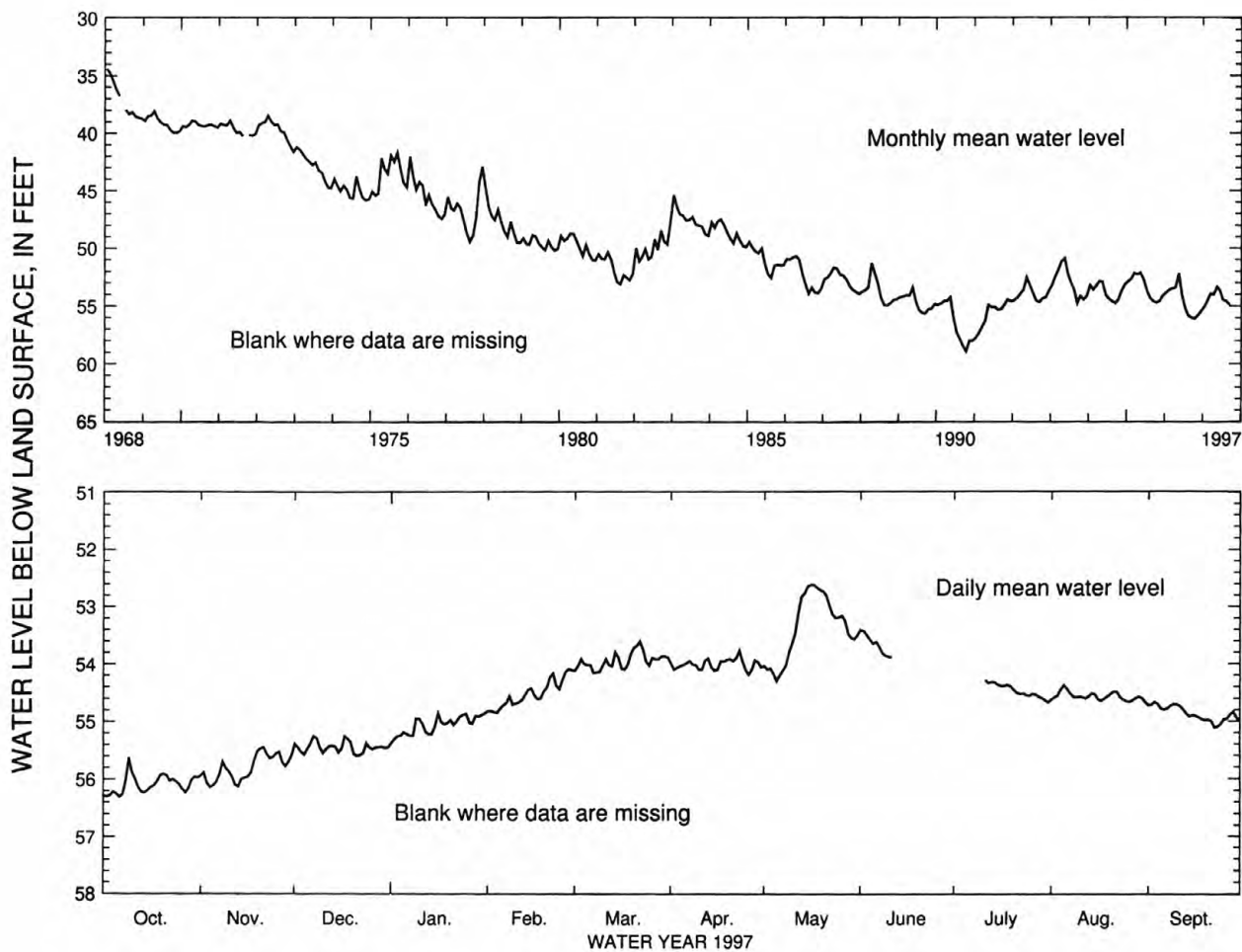
WELL CHARACTERISTICS.—Drilled observation well, diameter 4-3 in., depth 872 ft, cased to 538 ft, open hole.

DATUM.—Altitude of land-surface datum is 61.2 ft.

REMARKS.—Water levels for period, June 12 to July 10, 1997, are missing.

PERIOD OF RECORD.—January 1968 to current year. Continuous record since January 1968.

EXTREMES FOR PERIOD OF RECORD.—Highest water level, 34.04 ft below land-surface datum, January 14, 1968; lowest, 59.00 ft below land-surface datum, October 8, 1990.



WY-1997	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
HIGH	55.63	55.45	55.26	54.86	54.09	53.61	53.77	52.62	-----	-----	54.38	54.67
MEAN	56.10	55.81	55.45	55.07	54.52	53.95	54.01	53.37	-----	-----	54.57	54.87
LOW	56.31	56.14	55.60	55.38	54.85	54.16	54.19	54.30	-----	-----	54.67	55.11

WATER YEAR 1997 HIGH 52.62 (May 16-17, 1997) MEAN 54.72 LOW 56.31 (Oct. 6, 1996)

GROUND-WATER LEVELS

MCINTOSH COUNTY

313823081154201 Local number, 35M013.

LOCATION.—Lat 31°38'23", long 81°15'42", Hydrologic Unit 03060204.

SITE NAME.—U.S. Fish and Wildlife Service, Harris Neck, test well 1.

INSTRUMENTATION.—Electronic data recorder.

AQUIFER.—Upper Floridan.

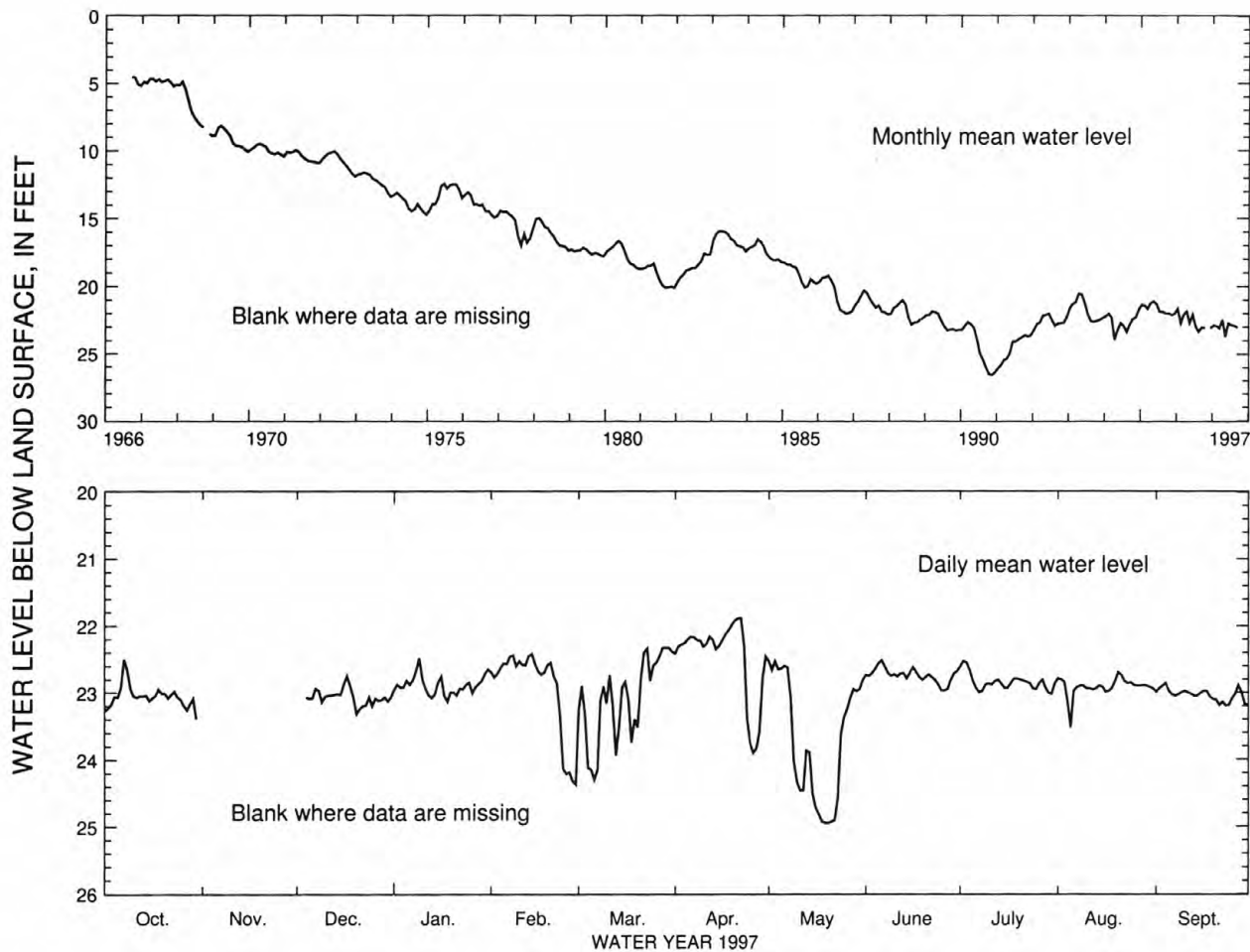
WELL CHARACTERISTICS.—Drilled unused supply well, diameter 10 in., depth 553 ft, cased to 376 ft, open hole.

DATUM.—Altitude of land-surface datum is 16.3 ft.

REMARKS.—Water levels for period, October 31 to December 3, 1996, are missing.

PERIOD OF RECORD.—September 1966 to current year. Continuous record since September 1966.

EXTREMES FOR PERIOD OF RECORD.—Highest water level, 4.35 ft below land-surface datum, October 4, 1966; lowest, 26.88 ft below land-surface datum, November 14, 1990.



WY-1997	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
HIGH	22.50	-----	22.75	22.48	22.42	22.33	21.88	22.53	22.52	22.53	22.70	22.86
MEAN	23.05	-----	23.07	22.89	22.93	23.08	22.47	23.70	22.75	22.85	22.92	23.04
LOW	23.39	-----	23.32	23.13	24.37	24.30	23.90	24.95	22.97	23.02	23.52	23.20

WATER YEAR 1997

HIGH 21.88 (Apr. 22, 1997)

MEAN 22.98

LOW 24.95 (May 19-20, 1997)

GROUND-WATER LEVELS

SPALDING COUNTY

331507084171801 Local number, 11AA01.

LOCATION.—Lat 33°15'54", long 84°16'56", Hydrologic Unit 03070103.

SITE NAME.—University of Georgia Experiment Station.

INSTRUMENTATION.—Digital recorder.

AQUIFER.—Surficial (residuum).

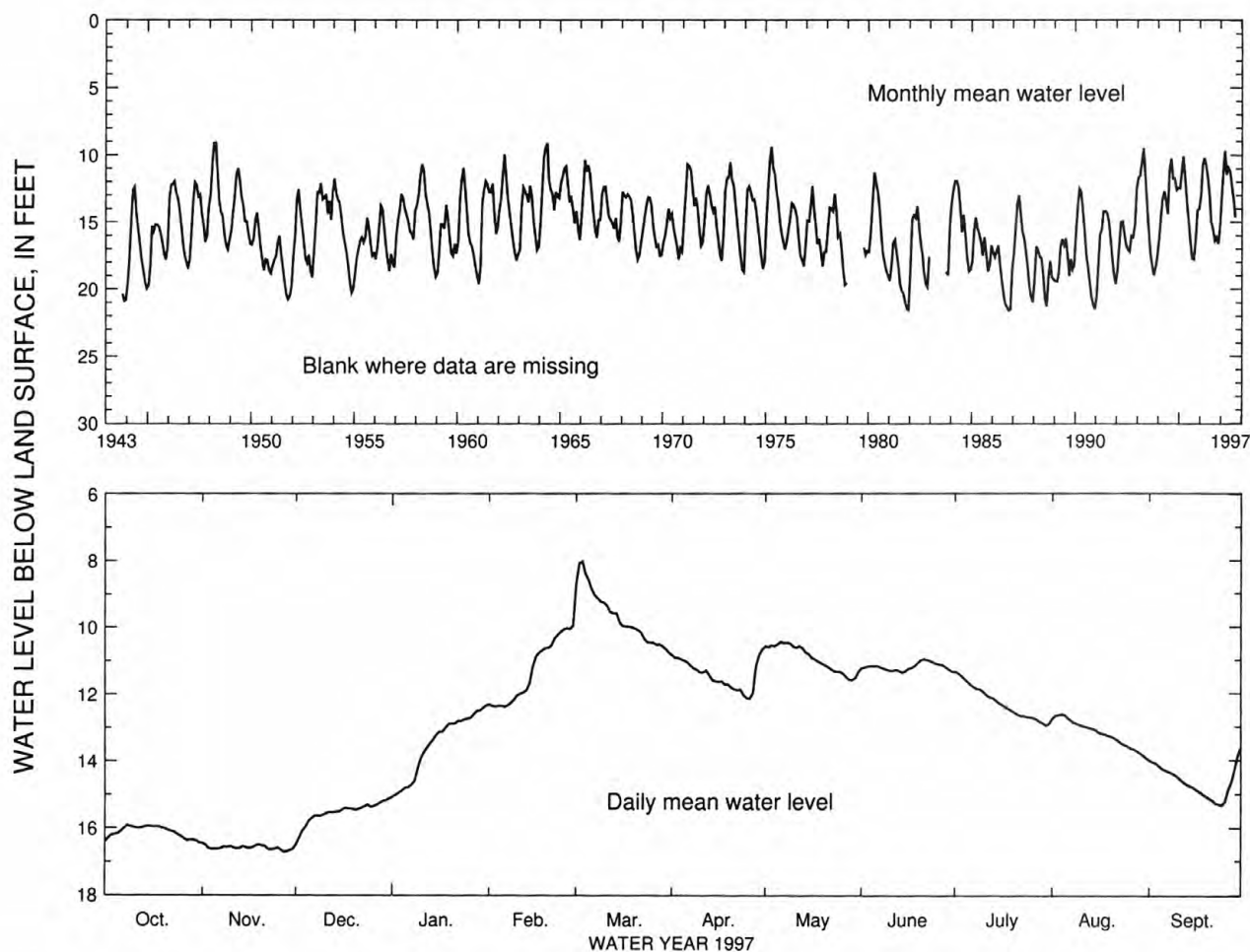
WELL CHARACTERISTICS.—Dug unused supply well, size 4 x 4 ft, depth 30 ft, cased to 30 ft, open end.

DATUM.—Altitude of land-surface datum is 950 ft.

REMARKS.—None.

PERIOD OF RECORD.—October 1943 to current year. Continuous record since October 1943.

EXTREMES FOR PERIOD OF RECORD.—Highest water level, 8.04 ft below land-surface datum, March 3, 1997; lowest, 21.82 ft below land-surface datum, November 18-19, 1986.



WY-1997	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
HIGH	15.92	16.45	15.12	12.35	9.96	8.04	10.67	10.44	10.97	11.35	12.63	13.65
MEAN	16.12	16.59	15.55	13.51	11.31	9.69	11.44	10.94	11.19	12.27	13.20	14.63
LOW	16.44	16.71	16.49	15.07	12.38	10.77	12.15	11.59	11.37	12.96	13.94	15.33

WATER YEAR 1997 HIGH 8.04 (Mar. 3, 1997) MEAN 13.05 LOW 16.71 (Nov. 27, 1996)

GROUND-WATER LEVELS

WAYNE COUNTY

313253081433502 Local number, 32L015.

LOCATION.—Lat 31°32'52", long 81°43'36", Hydrologic Unit 03070106.

SITE NAME.—Georgia Geologic Survey, Gardi, test well 1.

INSTRUMENTATION.—Digital recorder.

AQUIFER.—Upper Floridan.

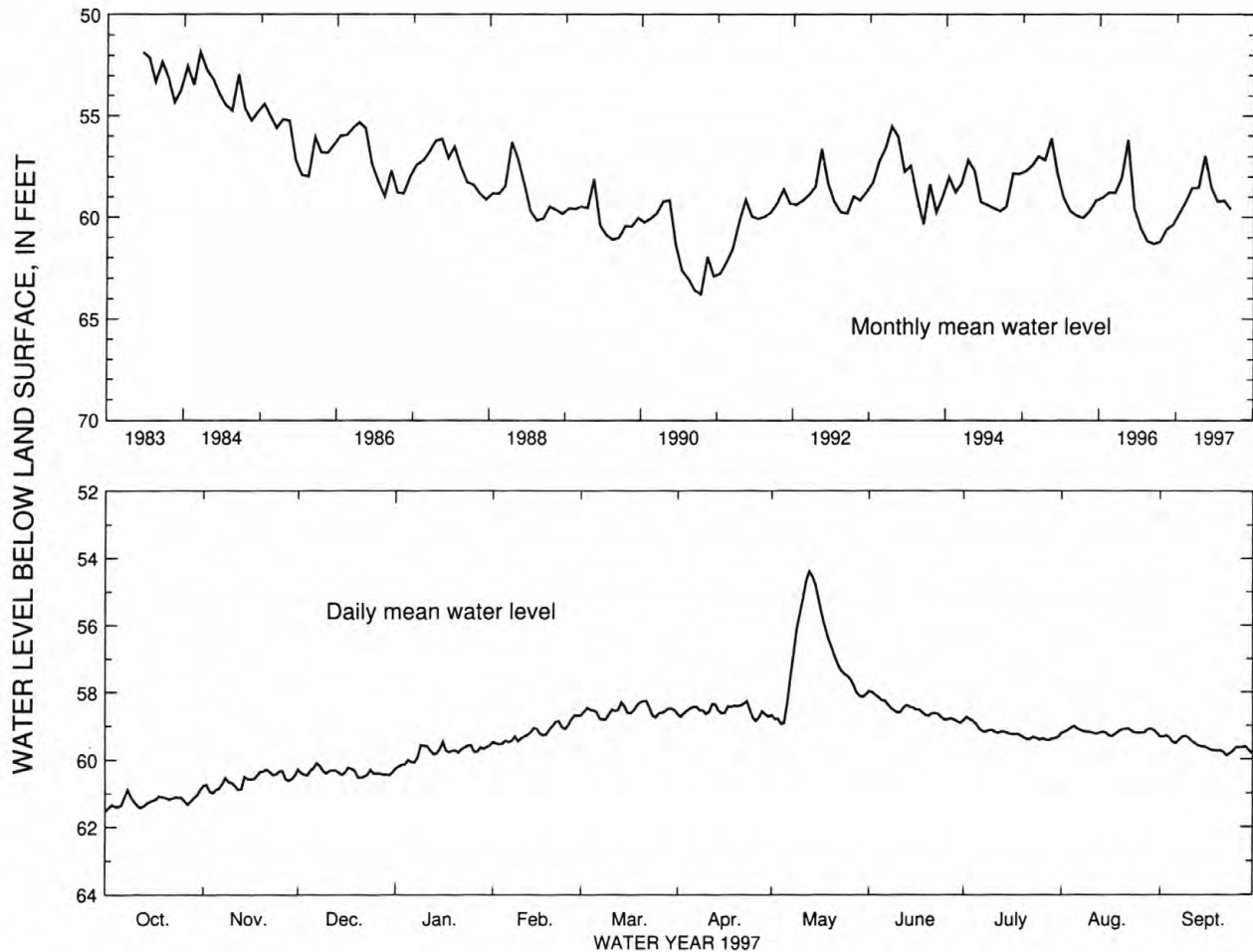
WELL CHARACTERISTICS.—Drilled observation well, diameter 4 in., depth 750 ft, cased to 545 ft, open hole.

DATUM.—Altitude of land-surface datum is 74 ft.

REMARKS.—None.

PERIOD OF RECORD.—June 1983 to current year. Continuous record since June 1983.

EXTREMES FOR PERIOD OF RECORD.—Highest water level, 49.12 ft below land-surface datum, March 19, 1984; lowest, 64.05 ft below land-surface datum, October 7-8, 1990.



WY-1997	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
HIGH	60.89	60.29	60.10	59.47	58.69	58.26	58.27	54.39	57.97	58.75	59.02	59.30
MEAN	61.22	60.60	60.37	59.79	59.20	58.55	58.54	56.97	58.53	59.22	59.18	59.60
LOW	61.52	60.99	60.53	60.26	59.55	58.81	58.86	58.94	58.92	59.44	59.32	59.90

WATER YEAR 1997

HIGH 54.39 (May 13, 1997)

MEAN 59.31

LOW 61.52 (Oct. 1, 1996)

GROUND-WATER LEVELS

WAYNE COUNTY

313701081543501 Local number, 30L003.

LOCATION.—Lat 31°37'01", long 81°54'34", Hydrologic Unit 03070106.

SITE NAME.—City of Jesup Housing Authority.

INSTRUMENTATION.—Electronic data recorder.

AQUIFER.—Upper Floridan.

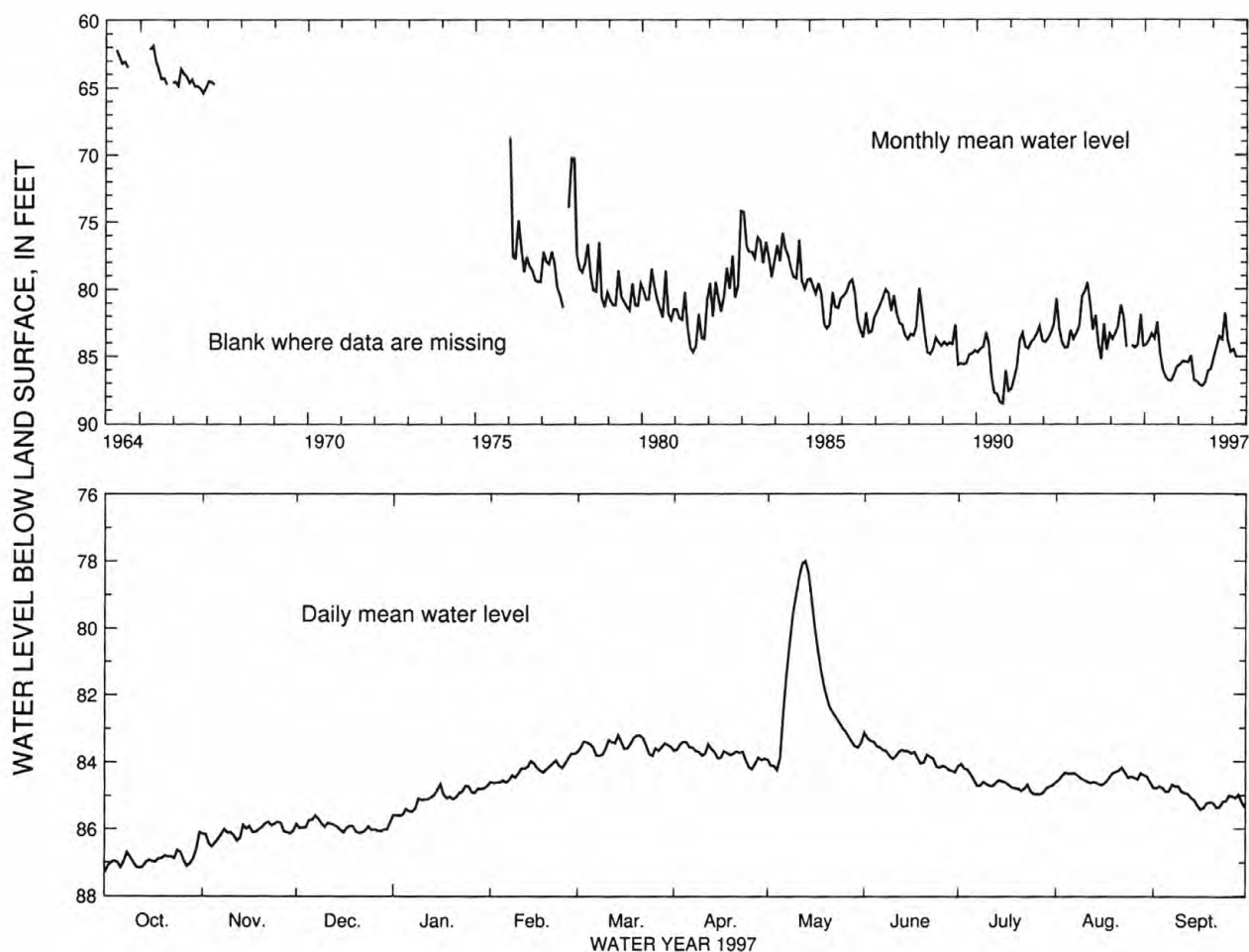
WELL CHARACTERISTICS.—Drilled unused supply well, diameter 4 in., depth 584 ft, cased to 472 ft, open hole.

DATUM.—Altitude of land-surface datum is 107 ft.

REMARKS.—None.

PERIOD OF RECORD.—January 1964 to current year. Continuous record January 1964 to March 1967, and since January 1976.

EXTREMES FOR PERIOD OF RECORD.—Highest water level, 59.98 ft below land-surface datum, April 19, 1964; lowest, 88.91 ft below land-surface datum, October 7, 1990.



WY-1997	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
HIGH	86.10	85.79	85.60	84.67	83.76	83.21	83.41	78.00	83.14	84.07	84.18	84.69
MEAN	86.92	86.08	85.94	85.08	84.24	83.52	83.75	81.76	83.82	84.66	84.47	85.05
LOW	87.31	86.53	86.12	85.60	84.63	83.82	84.22	84.25	84.32	84.98	84.69	85.42

WATER YEAR 1997

HIGH 78.00 (May 13, 1997)

MEAN 84.61

LOW 87.31 (Oct. 1, 1996)

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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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