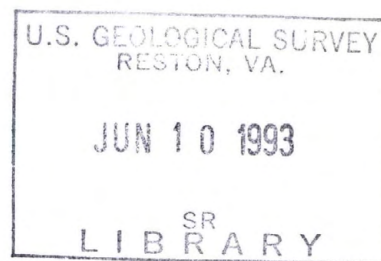


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Water Resources Data Georgia Water Year 1992



U.S. GEOLOGICAL SURVEY WATER-DATA REPORT GA-92-1
Prepared in cooperation with the State of Georgia
and with other agencies

CALENDAR FOR WATER YEAR 1992

1991

OCTOBER

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U.S. DEPARTMENT OF THE INTERIOR
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Atlanta, GA 30360-2824



Water Resources Data Georgia Water Year 1992

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



U.S. GEOLOGICAL SURVEY WATER-DATA REPORT GA-92-1
Prepared in cooperation with the State of Georgia
and with other agencies

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 State, local, and Federal agencies, and the private sector 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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15. Supplementary Notes Prepared in cooperation with the State of Georgia and with other Federal agencies.			
16. Abstract (Limit: 200 words) Water-resources data for the 1992 water year for Georgia consists of records of stage, discharge, and quality of streams; stage and contents of lakes and reservoirs; ground-water levels; and precipitation quality. This report contains discharge records of 114 gaging stations; stage for 27 gaging stations; stage and contents for 18 lakes and reservoirs; water quality for 143 continuing-record stations; peak stage and discharge only for 101 crest-stage partial-record stations and 7 miscellaneous sites; water levels of 25 observation wells, and water quality for 1 precipitation-quality site. 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.			
17. Document Analysis a. Descriptors *Georgia, *Hydrologic data, *Surface water, *Ground water, *Water Quality, *Precipitation quality, Flow rate *Gaging stations, Lakes, Reservoirs, Chemical analyses, Sediments, Water temperatures, Sampling sites, Water levels, Water analyses b. Identifiers/Open-Ended Terms c. COSATI Field/Group			
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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 1992 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. This report contains discharge records of 114 gaging stations; stage for 27 gaging stations; stage and contents for 18 lakes and reservoirs; water quality for 143 continuing-record stations; peak stage and discharge only for 101 crest-stage partial-record stations and 7 miscellaneous sites; water levels of 25 observation wells, and water quality for 1 precipitation-quality site. These data represent that part of the National Water Data System collected by the U.S. Geological Survey and cooperating State and Federal agencies in Georgia.

Records of discharge and stage of streams, and contents or stage of lakes and reservoirs were first published in a series of U.S. Geological water-supply papers entitled, "Surface-Water Supply of the United States." Through September 30, 1960, these water-supply papers were in an annual series and then in a 5-year series for 1961-65 and 1966-70. Records of chemical quality, water temperature, and suspended sediment were published from 1941 to 1970 in an annual series of water-supply papers entitled, "Quality of Surface Waters of the United States." Records of ground-water levels were published from 1935 to 1974 in a series of water-supply papers entitled, "Ground-Water Levels in the United States." Water-supply papers may be consulted in the libraries of the principal cities in the United States or may be purchased from the U.S. Geological Survey, Books and Open-File Reports, Federal Center, Building 810, Box 25424, Denver, CO 80225.

For water years 1961 through 1970, streamflow data were released by the 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-92-1." 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. Beginning with the 1990 water year, all water-data reports will also be available on Compact Disc - Read Only Memory (CD-ROM). All data reports published for the current water year for the entire Nation, including Puerto Rico and the Trust Territories, will be reproduced on a single CD-ROM disc.

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 or by telephone (804) 771- 2427. A limited number of CD-ROM discs will be available for sale by the Books and Open-File Reports Section, U.S. Geological Survey, Federal Center, Box 25425, Denver, CO 80225.

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
Clayton County Water Authority
Macon-Bibb County Water and Sewerage Authority

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

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

The following organizations aided in collecting records:

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

SUMMARY OF HYDROLOGIC CONDITIONS

Streamflow

Runoff for the 1992 water year was near normal over the entire State with the ratio of runoff during the year to long-term runoff for almost all stations ranging from about 0.8 to 1.1. The runoff ratio averaged about 0.8 across central Georgia and about 1.0 over the remainder of the State. A few stations scattered over the State had a runoff ratio as low as 0.7, and only three stations, widely separated and with relatively small drainage areas, had a runoff ratio as high as 1.2. For unregulated streams having more than 10 years of streamflow record, the runoff ratio ranged from 0.68 at Walnut Creek near Gray, located near the center of the State, to 1.23 at Turnpike Creek near McRae in southern Georgia.

Although annual runoff was very near normal, there was considerable variation in monthly mean runoff over much of the State, especially in southern Georgia. Monthly mean runoff across southern Georgia ranged from about an average of 20 percent of normal in December to about an average of 240 percent of normal in September. December runoff for Alapaha River at Statenville and Satilla River at Atkinson was less than 10 percent of normal; while September runoff for the Satilla River at Atkinson and Canoochee River near Claxton was about 290 percent of normal. Across central Georgia, average monthly mean runoff was below normal for nine months; only in June, August, and September did runoff exceed normal. The average monthly mean runoff ranged from about 50 percent of normal in December and May to almost 160 percent of normal in August and September. Average monthly mean runoff in northern Georgia was less variable than in the remainder of the State, ranging from about 70 percent of normal in April and May to a little more than 160 percent of normal in September. Runoff for eight months of the year was between 80 and about 110 percent of normal. Figure 1 shows monthly and yearly mean discharges for the 1992 water year and the median of monthly and yearly mean discharge for 1961-90 at three representative long-term gaging stations.

Although monthly mean runoff over the State ranged from as low as 6 percent of normal in December for the Satilla River at Atkinson to as high as 290 percent of normal in September at Canoochee River near Claxton, rainfall patterns and resulting runoff events throughout the year were such that instantaneous streamflows, both maximum and minimum, were statistically insignificant at almost all gaging stations. At one urban streamflow station, Peachtree Creek at Atlanta, the peak discharge of 8,450 cubic feet per second had a 10-percent chance of exceedence. Three other daily-flow gaging stations and four peak-flow partial-record stations scattered over the State had peak discharges with a 20-percent chance of exceedence, and peak discharges at the remainder of the stations had approximately a 50-percent or greater chance of exceedence. Only one station, Line Creek near Senoia in central Georgia, had a minimum flow as low as that with a 20-percent chance of exceedence. At the end of water year 1992, as at the end of 1991, daily flows for all gaging stations were greater than low flows with a 50-percent chance of exceedence, and for most stations, were several times the flow with a 50-percent chance of exceedence.

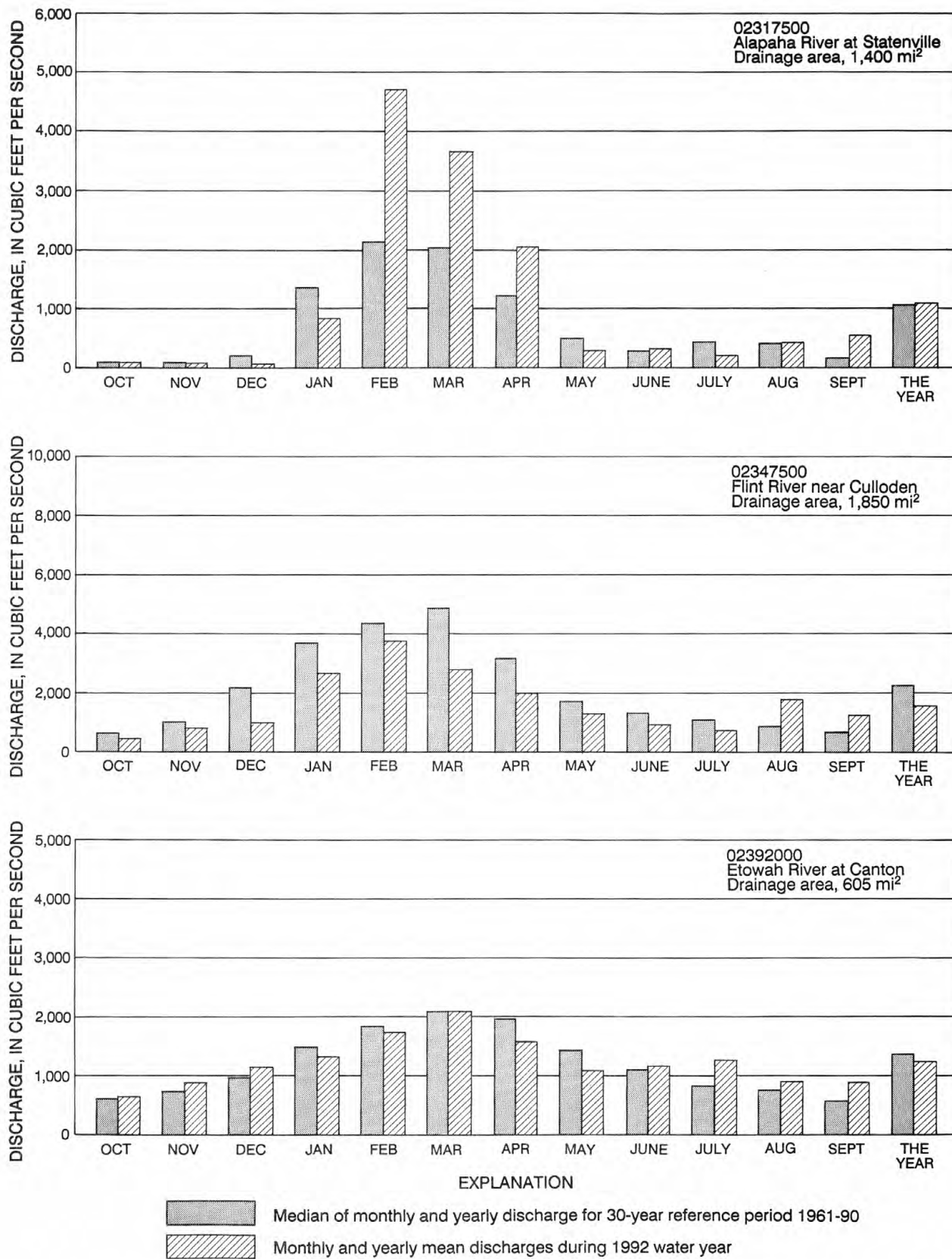


Figure 1.—Comparison of discharge at three representative long-term gaging stations during 1992 water year with median discharge for 30-year reference period, 1961-90.

Water Quality

Specific conductance (SC), total inorganic nitrogen (TIN), and total phosphorus (TP) in water sampled at stations along reaches of the Chattahoochee, Ocmulgee, and Altamaha Rivers during the 1992 water year are compared to similar data from the historic reference period (water years 1976-91) (figs. 2, 3). Maximum, median, and minimum values for data collected in 1992, and 90th percentile, median, and 10th percentile values for data collected from 1976 to 1991 are shown on figures 2 and 3.

Water-quality profiles of the Chattahoochee River

Station 02331600 (A, fig. 2) is in the headwaters of the Chattahoochee River drainage area upstream from Lake Sidney Lanier and water-quality data at station A are considered representative of surface-water quality in the Blue Ridge physiographic province of northeastern Georgia. At this site, SC values, in microsiemens per centimeter ($\mu\text{S}/\text{cm}$), and TIN and TP concentrations, in milligrams per liter (mg/L), are low for the 1992 median and historic median (water years 1976-91) when compared to those at and downstream from Atlanta. At station A, the median TIN concentration (0.30 mg/L) for 1992 is the same as the historic median, but the 1992 median TP concentration (0.07 mg/L) is significantly greater than the historic median (0.04 mg/L). The median value for SC was 28 $\mu\text{S}/\text{cm}$ in 1992 and is somewhat greater than the median value of 26 $\mu\text{S}/\text{cm}$ for the historic period. The greater median values for SC and TP concentration in 1992 may be a result of development upstream from station A.

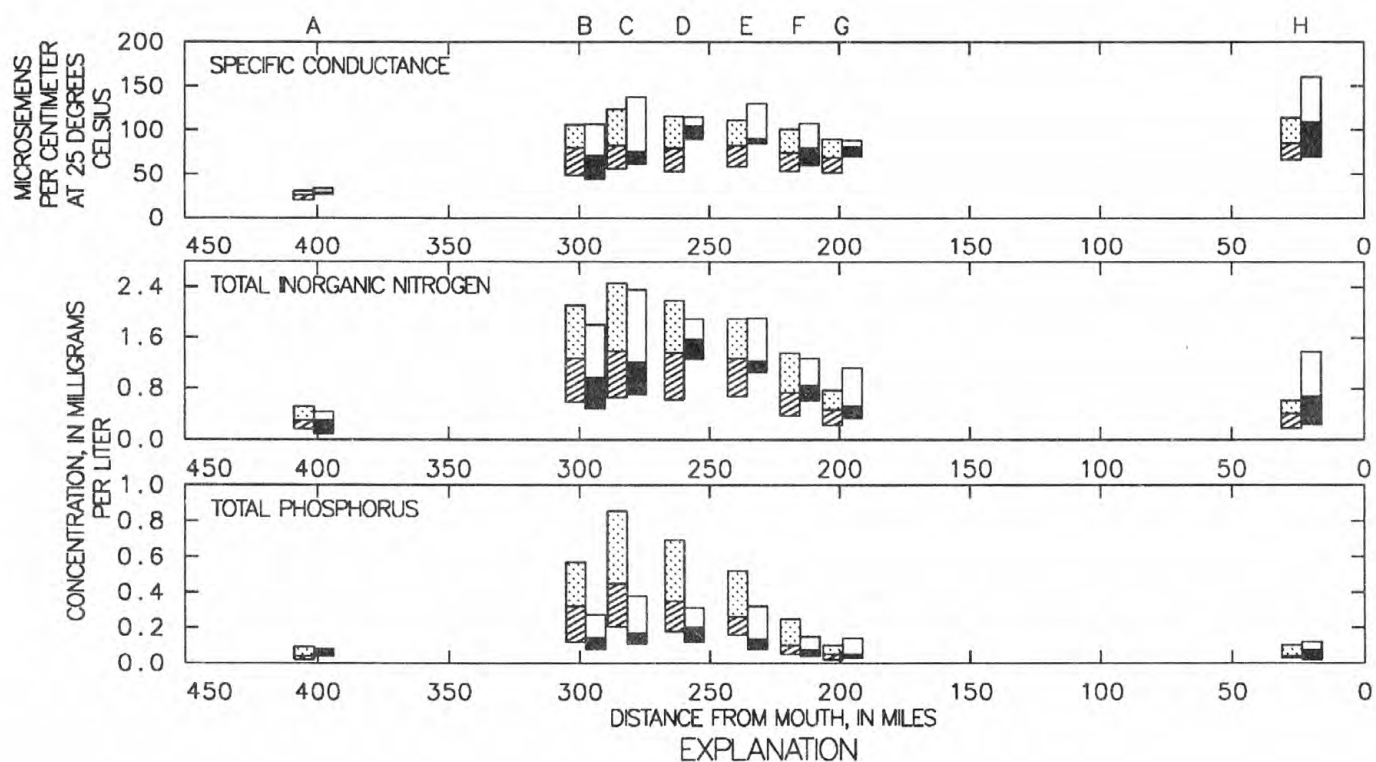
Along a 380-mi reach of the Chattahoochee River, SC, TIN, and TP data from station A through station 02344040 (H, fig. 2) indicate downstream cyclic patterns and show the combined effects upon the water quality from urban and industrial use, increasing drainage area, and impoundment. Increases in both historical and 1992 median SC values and median TIN and TP concentrations at stations 02336502 (B, fig. 2) and 02337170 (C, fig. 2) may be attributed to discharge from waste-treatment facilities in the Atlanta Metropolitan area, or possibly to non-point source runoff during storm events. For 1992, the median SC value and median TIN concentration increased significantly and the median TP concentration increased slightly from station C to station 02338000 (D, fig. 2). These increases may be attributed to non-point source runoff during storm events caused by recent development and conversion of nitrogen from organic to inorganic forms along the reach from station C to station D. Median concentrations of TIN and TP (1.6 mg/L and 0.20 mg/L, respectively) were highest in 1992 at station D and decreased downstream. The median SC for station D (105 $\mu\text{S}/\text{cm}$) was exceeded only by the median SC for station H (109 $\mu\text{S}/\text{cm}$). Downstream from station D, decreases in TIN and TP concentrations may be attributed to (1) dilution by increased streamflow resulting from increased drainage area (no major waste-water discharges are located in this reach); (2) uptake of nitrogen by biota in the Chattahoochee River and West Point Lake, between stations 02338500 (E, fig. 2) and 02339500 (G, fig. 2); (3) settling of particulate material containing phosphorus in West Point Lake, and (4) improved waste-treatment facilities in the Metropolitan Atlanta area.

During 1992, median TP concentrations for stations in the reach from station B through station 02338720 (F, fig. 2) ranged from 0.14 mg/L to 0.20 mg/L and are much less than historic median TP concentrations which range from 0.26 mg/L to 0.44 mg/L. These decreases in TP concentrations may be the result of a statewide ban on phosphate detergents which began in the Spring of 1990 and/or the result of improved operations of waste-treatment facilities in the basin near Atlanta.

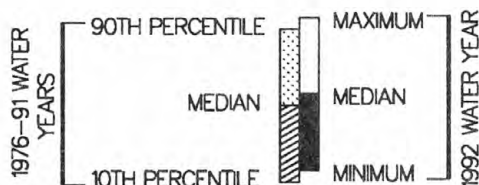
Water-quality profiles of the Ocmulgee and Altamaha Rivers

Profiles of SC values and TIN and TP concentrations along reaches of the Ocmulgee and Altamaha Rivers (fig. 3) show the effects of waste-water discharges on river water quality. Municipal and industrial waste-water discharges to the Ocmulgee River in the Macon Metropolitan area between stations 02212950 (B, fig. 3) and 02213700 (C, fig. 3) may be a contributor to increased TIN and TP concentrations and SC values observed at stations C and 02214265 (D, fig. 3). Non-point source runoff during storm events may also contribute to these increases. The general decreases in SC values and TIN and TP concentrations downstream from station C probably are the result of dilution by increasing streamflow and uptake of nutrients by biota along the Ocmulgee and Altamaha Rivers. Although the general downstream trend in SC is decreasing, there is a significant increase in SC at station 02226010 (H, fig. 3) on the Altamaha River. This increase may be the result of large amounts of water withdrawn from local ground-water sources, used in industrial processes, and then discharged as waste water into the river between station 02225990 (G, fig. 3) and station H.

Median SC values and TIN concentrations were greater in 1992 for all stations from A through 02226160 (I, fig. 3) than for the historic reference period, and were significantly greater at most stations. The most significant increases in TIN concentrations occurred at stations C and D where the 1992 medians were 0.90 mg/L and 0.97 mg/L, respectively, compared to the historic medians for the two stations which are 0.77 mg/L and 0.70 mg/L, respectively. This may be indicative of increases in nutrient concentrations caused by increasing development in the Macon Metropolitan area. Except for stations C and D, median values of TP concentrations in 1992 at all stations were near but slightly higher than the historic median values. At station C and D, the 1992 median concentrations were significantly lower than those for the historic reference period. Median concentration of TP at station C was 0.11 mg/L in 1992 compared to a median of 0.17 mg/L for the historic reference period. Median concentration of TP at station D was 0.10 mg/L in 1992 compared to a median of 0.16 mg/L for the historic reference period. The significant decrease in TP concentrations at stations C and D may be largely a result of a statewide ban on phosphate detergents effective in the Spring of 1990. The significant decrease in TP concentrations also may be the result of improved phosphorus removal by waste-treatment facilities in the Macon Metropolitan area.



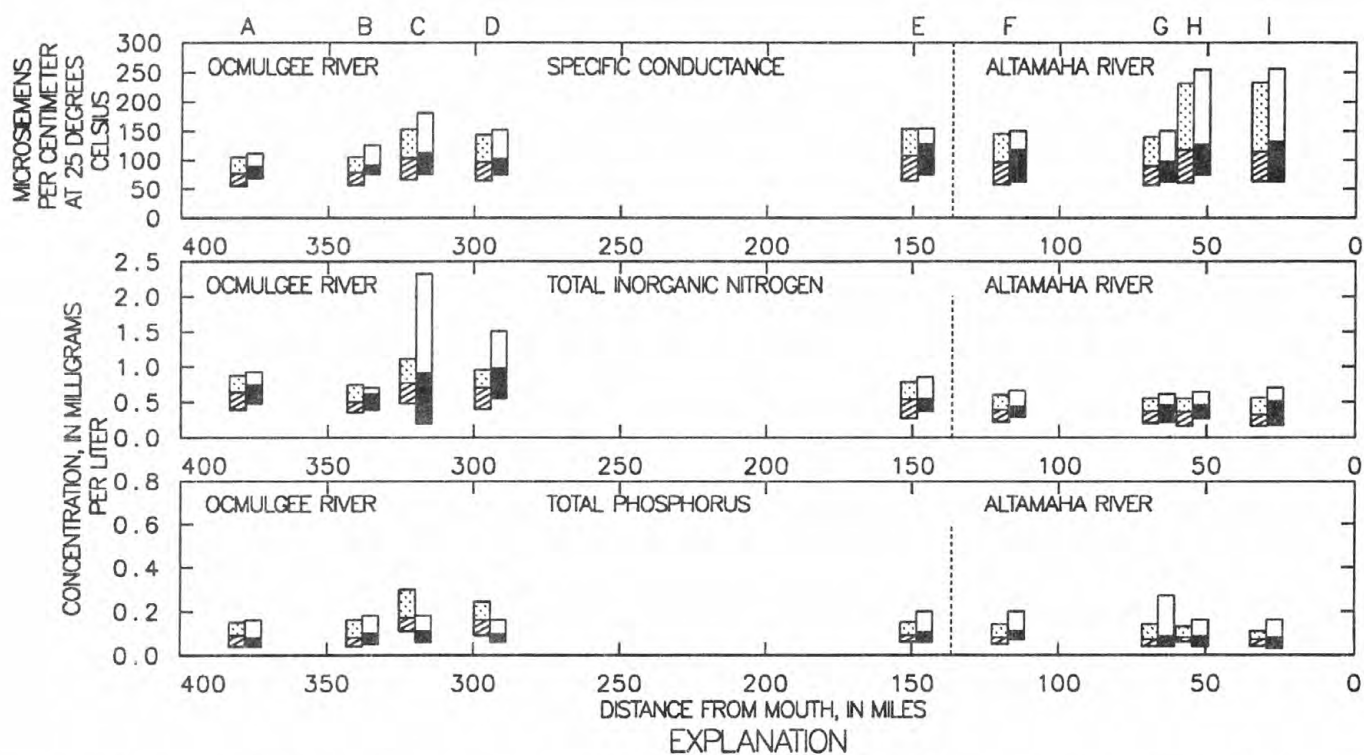
NOTE: 90 PERCENT OF ALL SAMPLES COLLECTED HAVE CONSTITUENT VALUES LESS THAN THE 90TH PERCENTILE, 50 PERCENT LESS THAN THE MEDIAN, AND 10 PERCENT LESS THAN THE 10TH PERCENTILE.



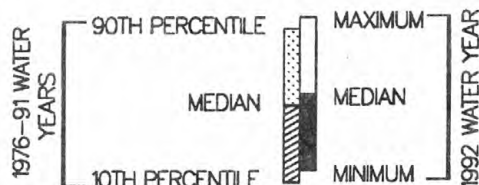
STATION IDENTIFICATION NUMBERS

A 02331600	E 02338500
B 02336502	F 02338720
C 02337170	G 02339500
D 02338000	H 02344040

Figure 2.—River—reach profiles of specific conductance, total inorganic nitrogen, and total phosphorus for the Chattahoochee River.



NOTE: 90 PERCENT OF ALL SAMPLES COLLECTED HAVE CONSTITUENT VALUES LESS THAN THE 90TH PERCENTILE, 50 PERCENT LESS THAN THE MEDIAN, AND 10 PERCENT LESS THAN THE 10TH PERCENTILE



STATION IDENTIFICATION NUMBERS

A 02210500 F 02225000

B 02212950 G 02225990

C 02213700 H 02226010

D 02214265 I 02226160

E 02215500

Figure 3.—River-reach profiles of specific conductance, total inorganic nitrogen, and total phosphorus for the Ocmulgee and Altamaha Rivers.

Ground Water

Mean ground-water levels for 25 observation wells throughout Georgia ranged from 2.0 feet (ft) lower to 7.6 ft higher in the 1992 water year than in the 1991 water year. In northern Georgia, mean water levels in the crystalline rock aquifers were from 0.5 foot (ft) lower to 0.2 ft higher in 1992 than in 1991. Along the coast, mean water levels in the Floridan aquifer system were from 2.0 to 7.6 ft higher in 1992 than in 1991. In the Savannah area, mean water levels in the Floridan aquifer system were from 2.0 to 7.6 ft higher in 1992 than in 1991. The mean water level in the shallow water-table aquifer near Savannah was 2.0 ft lower in 1992 than in 1991. In the Jesup and Riceboro areas, mean water levels in the Floridan aquifer system were from 2.1 to 2.6 ft higher in 1992 than in 1991. In the Brunswick and Okefenokee Swamp areas, mean water levels in the Floridan aquifer system were from 1.6 to 4.3 ft higher in 1992 than in 1991. In the east-central and south-central parts of the State, mean water levels in the Floridan aquifer system were from 0.2 ft lower to 1.4 ft higher in 1992 than in 1991. In the southwestern part of the State, mean water levels in the Floridan aquifer system were from 1.0 ft lower to 3.0 ft higher in 1992 than during 1991. Mean water levels in the Clayton aquifer of southwestern Georgia were from 0.3 ft lower to 5.1 ft higher in 1992 than in 1991.

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, 1991", which includes data for calendar year 1991, and "Ground-Water Conditions in Georgia, 1992", which includes data for calendar year 1992.

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 project 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/commercial, domestic, thermoelectric, and hydroelectric uses, from 1980-91. Estimated withdrawals for irrigation and livestock also are compiled each year.

Georgia Law requires a permit for all public supply, industrial, and other water users withdrawing more than 100,000 gallons per day. These water users also are required to report monthly water withdrawals each year to the Georgia Department of Natural Resources, Environmental Protection Division, Water Resources Management Program (WRMP). In 1988, the Georgia Legislature enacted a permitting law for irrigation systems; however, reporting of withdrawal amounts is not required. The WRMP is responsible for the issuance of permits and enforcement of reporting withdrawals.

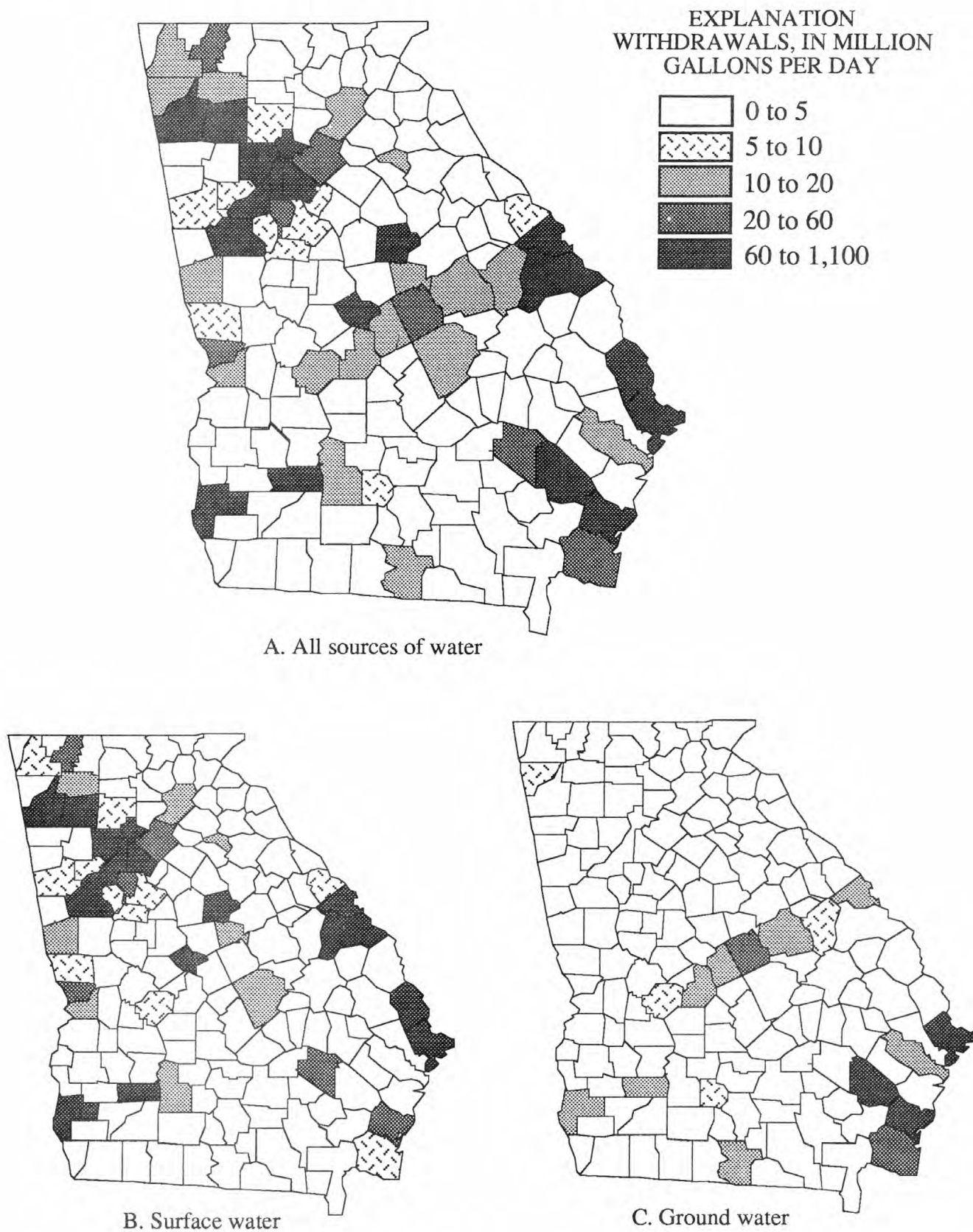
In 1992, withdrawals for hydroelectric power generation, the only instream use compiled by GWUDS, totaled about 51,700 million gallons per day (Mgal/d) for the 38 permitted hydroelectric plants located in Georgia.

Permitted off-stream withdrawals for thermoelectric, public supply, and industrial/commercial uses totaled about 4,700 Mgal/d in 1992 and is about a 4-percent increase over water year 1991. Permitted withdrawals by the 17 thermoelectric plants located in Georgia were about 3,100 Mgal/d, primarily from surface-water sources. Permitted withdrawals by 275 public-supply systems totaled about 909 Mgal/d, and provided water to about 4.7 million people. About 78 percent of the public-supply withdrawals were from surface-water sources. Permitted withdrawals by 232 industrial/commercial users totaled about 694 Mgal/d, almost equally withdrawn from ground- and surface-water sources. Public-supply withdrawals have increased about 3 percent and industrial/commercial use withdrawals have increased about 21 percent since 1991.

Total permitted ground- and surface-water withdrawals in Georgia for water year 1992 are shown on figure 4. Some of the counties withdrawing the largest amounts of surface water are located in northern Georgia, and include counties with thermoelectric power plants. Some counties along coastal Georgia show the largest ground-water withdrawals and include counties with large industries.

Monthly water withdrawals for three major public-water suppliers in Georgia are shown on figure 5. The Atlanta Water System, which is the largest public-supply system in the State, supplied water to more than 600,000 people in 1992, and withdraws water only from surface-water sources. The Savannah Water System is the largest ground-water public-supply system and supplied water to more than 100,000 people in 1992. The Gwinnett County Water System shows a continuous increase in water withdrawals since 1980, and reflects the basic growth pattern in the county.

WATER RESOURCES DATA FOR GEORGIA, 1992



**Figure 4.--Permitted water withdrawals by county for water year 1992;
(a) all sources of water, (b) surface water, (c) ground water.**

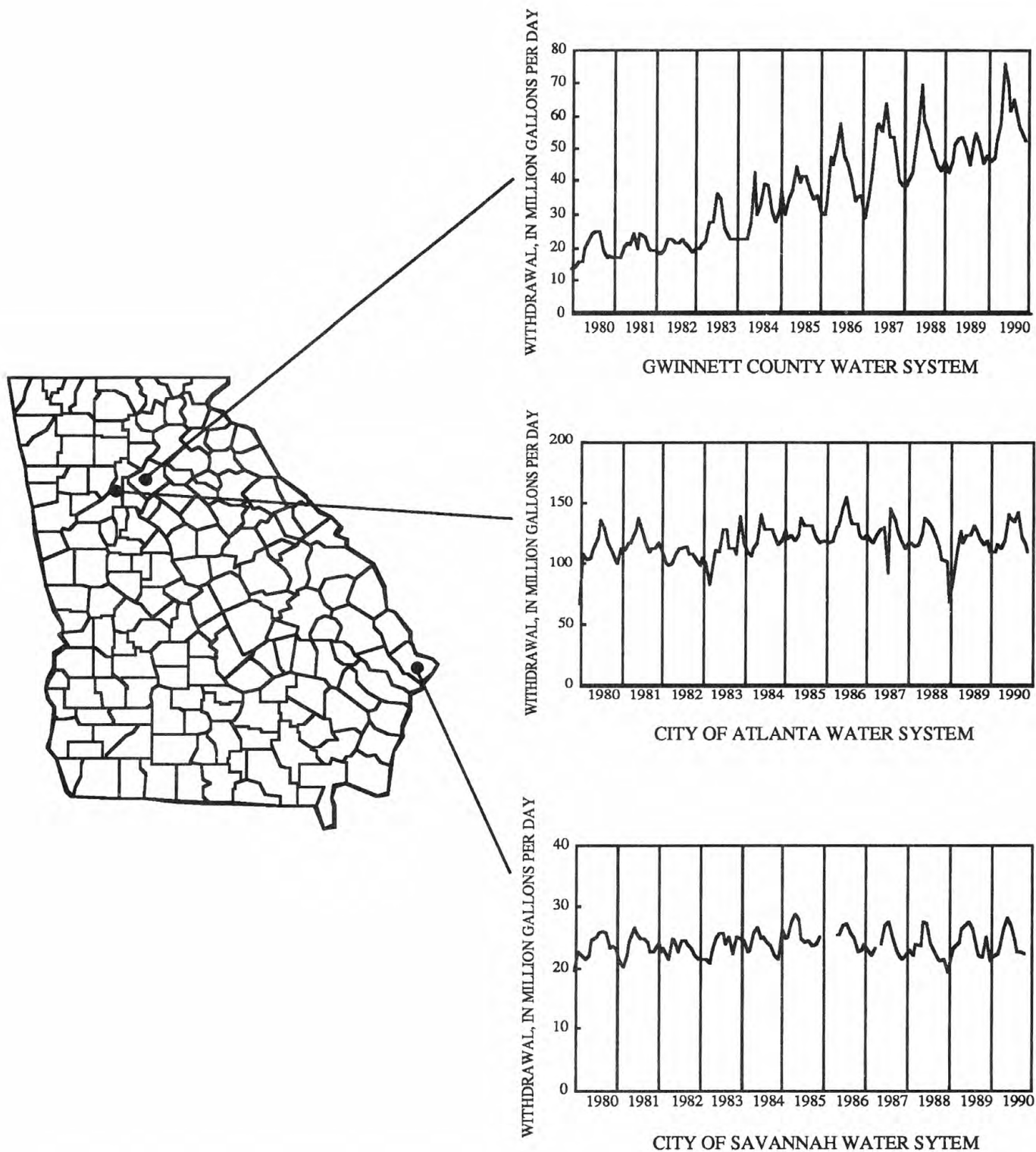


Figure 5.--Monthly water withdrawals for public supply in Gwinnett County, Atlanta, and Savannah, 1980-90.

SPECIAL NETWORKS AND PROGRAMS

Hydrologic Bench-Mark Network is a network of 57 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 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 to (1) 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) describe the areal variability of water quality in the Nation's rivers through analysis of data from this and other programs, (3) detect changes or trends with time in the pattern of occurrence of water-quality characteristics, and (4) provide 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). The NADP was initiated by the North Central Region of the State Agricultural Experiment Stations (U.S. Department of Agriculture) to address the problem of atmospheric deposition and its effects on agriculture, forest, rangelands, and fresh-water streams and lakes.

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

Tritium network is a network of stations 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 1990 water year that began on October 1, 1989, and ended September 30, 1990. 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 6. 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.

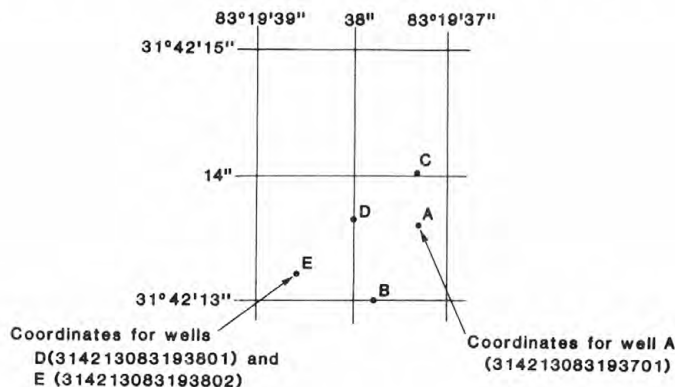


Figure 6.--System for numbering wells and other off-stream sites (latitude and longitude).

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 7 and 8.

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, Book 3, Chapter A6.

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 National Geodetic Vertical Datum of 1929 (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 Geological Survey by a cooperating organization are identified here.

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

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

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

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

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

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

Data table of daily mean values

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

Statistics of monthly mean data

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

Summary statistics

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

10 PERCENT EXCEEDS.--The discharge that is exceeded by 10 percent of the flow for the designated period.

50 PERCENT EXCEEDS.--The discharge that is exceeded by 50 percent of the flow for the designated period.

90 PERCENT EXCEEDS.--The discharge that is exceeded by 90 percent of the flow 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 9.

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 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. Documentation of these representative sampling procedures is given in publications on "Techniques of Water-Resources Investigations," Book 1, Chap. D2; Book 3, Chap. C2; and Book 5, Chaps. A1, A3, and A4. These references are listed at the conclusion of the introductory section of this report. Supplemental information to that found in the listed references may be obtained from the U.S. Geological Survey, 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.

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 Bench- Mark Network (see definitions), and several long-term trend stations are analyzed in the 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.

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 alkalinity in this report), the laboratory determinations represent the quality of the sample at the time of analysis. Laboratory values for parameters measured in the field generally will be comparable to the field values for these parameters. Differences between the field and laboratory values represent a summation of (1) actual changes in the sample between the time of collection and the time of analysis, (2) errors in precision associated with instrument operation, and (3) errors in accuracy inherent in the instruments themselves. Tables of "daily values" of specific conductance, pH, water temperature, dissolved oxygen, and suspended sediment then follow in sequence.

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

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

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

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

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

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

Remark Codes

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

<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.
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).
D	Biological organism count equal to or greater than 15 percent (dominant).
&	Biological organism estimated as dominant.

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 10.

Although, in this report, records of water levels are presented for fewer than 30 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, Georgia District.

Data Collection and Computation

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

Tables of water-level data are presented by counties arranged in alphabetical order. The prime identification number for a given well is the 15-digit number that appears in the upper left corner of the table. The secondary identification number is the local well number, an alphanumeric number, based on the "U.S. Geological Survey Index to Topographic Maps of Georgia." Each 7.5-minute topographic quadrangle in the State has been given a number and letter designation beginning at the southwest corner of the State. Numbers increase eastward and letters progress alphabetically northward. The letters "I" and "O" are omitted. Quadrangles in the northern part of the State are designated by double letters. Wells inventoried in each quadrangle are numbered consecutively beginning with 1.

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 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.

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) National Geodetic Vertical Datum of 1929 (NGVD of 1929); 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 or estimated 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. A summary of monthly and annual water levels for the current water year follows each hydrograph for the current water year.

Records of Precipitation Quality

The precipitation-quality data presented in this report 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 of specific times.

On-Site Measurements and Sample Collection

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

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

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

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

Data presentation

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

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

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

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

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

ACCESS TO WATSTORE DATA

The U.S. Geological Survey 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. As part of the Geological Survey's program of releasing water data to the public, a large-scale computerized system has been developed for the storage and retrieval of water data collected through its activities. The National Water Data Storage and Retrieval System (WATSTORE) was established in 1972 to provide an effective and efficient means for the processing and maintenance of water data collected through the activities of the U.S. Geological Survey and to facilitate release of the data to the public. A variety of useful products, ranging from data tables to complex statistical analyses such as Log Pearson Type III, can be produced using WATSTORE. The system resides on the central computer facilities of the U.S. Geological Survey at its National Center in Reston, Virginia, and consists of related files and data bases.

- * Station-Header File - contains descriptive information on more than 440,000 sites throughout the United States and its territories where the U.S. Geological Survey collects or has collected data.
- * Daily Values File - contains more than 220 million daily values of stream flows, stages, reservoir contents, water temperatures, specific conductances, sediment concentrations, sediment discharges, and ground-water levels.
- * Peak-Flow File - contains approximately 500,000 maximum (peak) streamflow and gage-height values at surface-water sites.
- * Water-Quality File - contains approximately 2 million analyses of water samples that describe the chemical, physical, biological, and radio-chemical characteristics of both surface and ground water.
- * Ground-Water Site-Inventory Data Base - contains inventory data for more than 900,000 wells, springs, and other sources of ground water. The data includes site location, geohydrologic characteristics, well-construction history, and one-time field measurements, such as water temperature.

In 1976, the U.S. Geological Survey opened WATSTORE to the public for direct access. The signing of a Memorandum of Agreement with the Survey is required to obtain direct access to WATSTORE. The system can be accessed either synchronously or asynchronously. The requestor will be expected to pay all computer costs he/she incurs. Direct access may be obtained by contacting:

U.S. Geological Survey
National Water Data Exchange
421 USGS National Center
Reston, VA 22092

In addition to providing direct access to WATSTORE, data can be provided in various machine-readable formats on magnetic tape or 5-1/4 inch floppy disk; and, as noted in the "Introduction" section of this report, on CD-ROM discs. Beginning with the 1990 water year, all water-data reports will also be available to Compact Disc - Read Only Memory (CD-ROM). All data reports published for the current water year for the entire nation, including Puerto Rico and the Trust Territories, will be reproduced on a single CD-ROM disc. 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's District offices. (See address on the back of the title page.) A limited number of CD-ROM discs will be available for sale by the Books and Open-File Reports Section, U.S. Geological Survey, Federal Center, Box 25425, Denver, CO 80225

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 $\pm$ 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 $\pm$ 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 $\pm$ 1.0°C on KF-streptococcus medium (nutrient medium for bacterial growth). Their concentrations are expressed as number of colonies per 100 mL of sample.

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

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

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

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

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

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

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

Bottom material: See Bed material.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Annual 7-day minimum is the lowest mean discharge for 7 consecutive days for a calendar year or a water year.

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

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

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

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

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

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

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

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

Hydrologic Bench-Mark Network is a network of 57 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 ($\mu\text{g/g}$, $\mu\text{g/g}$) 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).

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 gel 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.

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

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

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

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

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

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

Suspended-sediment discharge (tons/day) is the rate at which dry weight of sediment passes a section of a stream or is the quantity of sediment, as measured by dry weight or volume, that passes a section in a given time. It is calculated in units of tons per day as follows: concentration (mg/L) x discharge (ft³/s) x 0.0027.

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

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

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

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 emersed 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 μ m 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 μ m 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, Books and Open-File Reports, Federal Center, Building 41, Box 25425, Denver, CO 80225 (authorized agent of the Superintendent of Documents, Government Printing Office). Prepayment is required. Remittance should be sent by check or money order payable to the U.S. Geological Survey. Prices are not included because they are subject to change. Current prices can be obtained by writing to the above address. When ordering or inquiring about prices for any of these publications, please give the title, book number, chapter number, and "U.S. Geological Survey Techniques of Water-Resources Investigations."

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

3-A9. *Measurement of time of travel and dispersion in streams by dye tracing*, by F.A. Kilpatrick and J.F. Wilson, Jr.: USGS--TWRI Book 3, Chapter A9. 1989. 27 pages.

3-A10. *Discharge ratings at gaging stations*, by E.J. Kennedy: USGS- -TWRI Book 3, Chapter A10. 1984. 59 pages.

3-A11. *Measurement of discharge by moving-boat method*, by G.F. Smoot and C.E. Novak: USGS--TWRI Book 3, Chapter A11. 1969. 22 pages.

3-A12. *Fluorometric procedures for dye tracing*, by J.F. Wilson, Jr.: USGS--TWRI Book 3, Chapter A12. 1986. 41 pages.

3-A13. *Computation of continuous records of streamflow*, by E.J. Kennedy: USGS--TWRI Book 3, Chapter A13. 1983. 53 pages.

PUBLICATIONS OF TECHNIQUES OF WATER-RESOURCES INVESTIGATIONS--Continued

- 3-A14. *Use of flumes in measuring discharge*, by F.A. Kilpatrick and V.R. Schneider: USGS--TWRI Book 3, Chapter A14. 1983. 46 pages.
- 3-A15. *Computation of water-surface profiles in open channels*, by Jacob Davidian: USGS--TWRI Book 3, Chapter A15. 1984. 48 pages.
- 3-A16. *Measurement of discharge using tracers*, by F.A. Kilpatrick and E.D. Cobb: USGS--TWRI Book 3, Chapter A16. 1985. 52 pages.
- 3-A17. *Acoustic velocity meter systems*, by Antonius Laenen: USGS--TWRI Book 3, Chapter A17. 1985. 38 pages.
- 3-A18. *Determination of stream reaeration coefficients by use of tracers*, by F.A. Kilpatrick, R.E. Rathbun, N. Yotsukura, G.W. Parker, and L.L. DeLong: USGS--TWRI Book 3, Chapter A18. 1989. 52 pages.
- 3-A19. *Levels at streamflow gaging stations*, by E. J. Kennedy: USGS--TWRI Book 3, Chapter A19. 1990. 27 pages.
- 3-B1. *Aquifer-test design, observation, and data analysis*, by R.W. Stallman: USGS--TWRI Book 3, Chapter B1. 1971. 26 pages.
- 3-B2. *Introduction to ground-water hydraulics, a programmed text for self-instruction*, by G.D. Bennett: USGS--TWRI Book 3, Chapter B2. 1976. 172 pages.
- 3-B3. *Type curves for selected problems of flow to wells in confined aquifers*, by J.E. Reed: USGS--TWRI Book 3, Chapter B3. 1980. 106 pages.
- 3-B4. *Regression modeling of ground-water flow*, by R. L. Cooley and R. L. Naff: USGS--TWRI Book 3, Chapter B4. 1990. 232 pages.
- 3-B5. *Definition of boundary and initial conditions in the analysis of saturated ground-water flow systems--An introduction*, by O.L. Franke, T.E. Reilly, and G.D. Bennett: USGS--TWRI Book 3, Chapter B5. 1987. 15 pages.
- 3-B6. *The principle of superposition and its application in ground-water hydraulics*, by T.E. Reilly, O.L. Franke, and G.D. Bennett: USGS--TWRI Book 3, Chapter B6. 1987. 28 pages.
- 3-B7. *Analytical solutions for one-, two, and three-dimensional solute transport in ground-water systems with uniform flow*, by Eliezer J. Wexler: USGS--TWRI Book 3, Chapter B7. 1992. 90 pages.
- 3-C1. *Fluvial sediment concepts*, by H.P. Guy: USGS--TWRI Book 3, Chapter C1. 1970. 55 pages.
- 3-C2. *Field methods for measurement of fluvial sediment*, by H.P. Guy and V.W. Norman: USGS--TWRI Book 3, Chapter C2. 1970. 59 pages.
- 3-C3. *Computation of fluvial-sediment discharge*, by George Porterfield: USGS--TWRI Book 3, Chapter C3. 1972. 66 pages.
- 4-A1. *Some statistical tools in hydrology*, by H.C. Riggs: USGS--TWRI Book 4, Chapter A1. 1968. 39 pages.
- 4-A2. *Frequency curves*, by H.C. Riggs: USGS--TWRI Book 4, Chapter A2. 1968. 15 pages.
- 4-B1. *Low-flow investigations*, by H.C. Riggs: USGS--TWRI Book 4, Chapter B1. 1972. 18 pages.
- 4-B2. *Storage analyses for water supply*, by H.C. Riggs and C.H. Hardison: USGS--TWRI Book 4, Chapter B2. 1973. 20 pages.
- 4-B3. *Regional analyses of streamflow characteristics*, by H.C. Riggs: USGS--TWRI Book 4, Chapter B3. 1973. 15 pages.
- 4-D1. *Computation of rate and volume of stream depletion by wells*, by C.T. Jenkins: USGS--TWRI Book 4, Chapter D1. 1970. 17 pages.
- 5-A1. *Methods for determination of inorganic substances in water and fluvial sediments*, by M.J. Fishman and L.C. Friedman: USGS--TWRI Book 5, Chapter A1. 1989. 545 pages.
- 5-A2. *Determination of minor elements in water by emission spectroscopy*, by P.R. Barnett and E.C. Mallory, Jr.: USGS--TWRI Book 5, Chapter A2. 1971. 31 pages.
- 5-A3. *Methods for the determination of organic substances in water and fluvial sediments*, edited by R.L. Wershaw, M.J. Fishman, R.R. Grabbe, and L.E. Lowe: USGS--TWRI Book 5, Chapter A3. 1987. 80 pages.
- 5-A4. *Methods for collection and analysis of aquatic biological and microbiological samples*, by L.J. Britton and P.E. Greeson, editors: USGS--TWRI Book 5, Chapter A4. 1989. 363 pages.
- 5-A5. *Methods for determination of radioactive substances in water and fluvial sediments*, by L.L. Thatcher, V.J. Janzer, and K.W. Edwards: USGS--TWRI Book 5, Chapter A5. 1977. 95 pages.

PUBLICATIONS OF TECHNIQUES OF WATER-RESOURCES INVESTIGATIONS--Continued

5-A6. *Quality assurance practices for the chemical and biological analyses of water and fluvial sediments*, by L.C. Friedman and D.E. Erdmann: USGS--TWRI Book 5, Chapter A6. 1982. 181 pages.

5-C1. *Laboratory theory and methods for sediment analysis*, by H.P. Guy: USGS--TWRI Book 5, Chapter C1. 1969. 58 pages.

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

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

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.

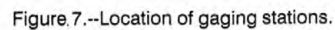
7-C2. *Computer model of two-dimensional solute transport and dispersion in ground water*, by L.F. Konikow and J.D. Bredehoeft: USGS--TWRI Book 7, Chapter C2. 1978. 90 pages.

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.



WATER RESOURCES DATA FOR GEORGIA, 1992

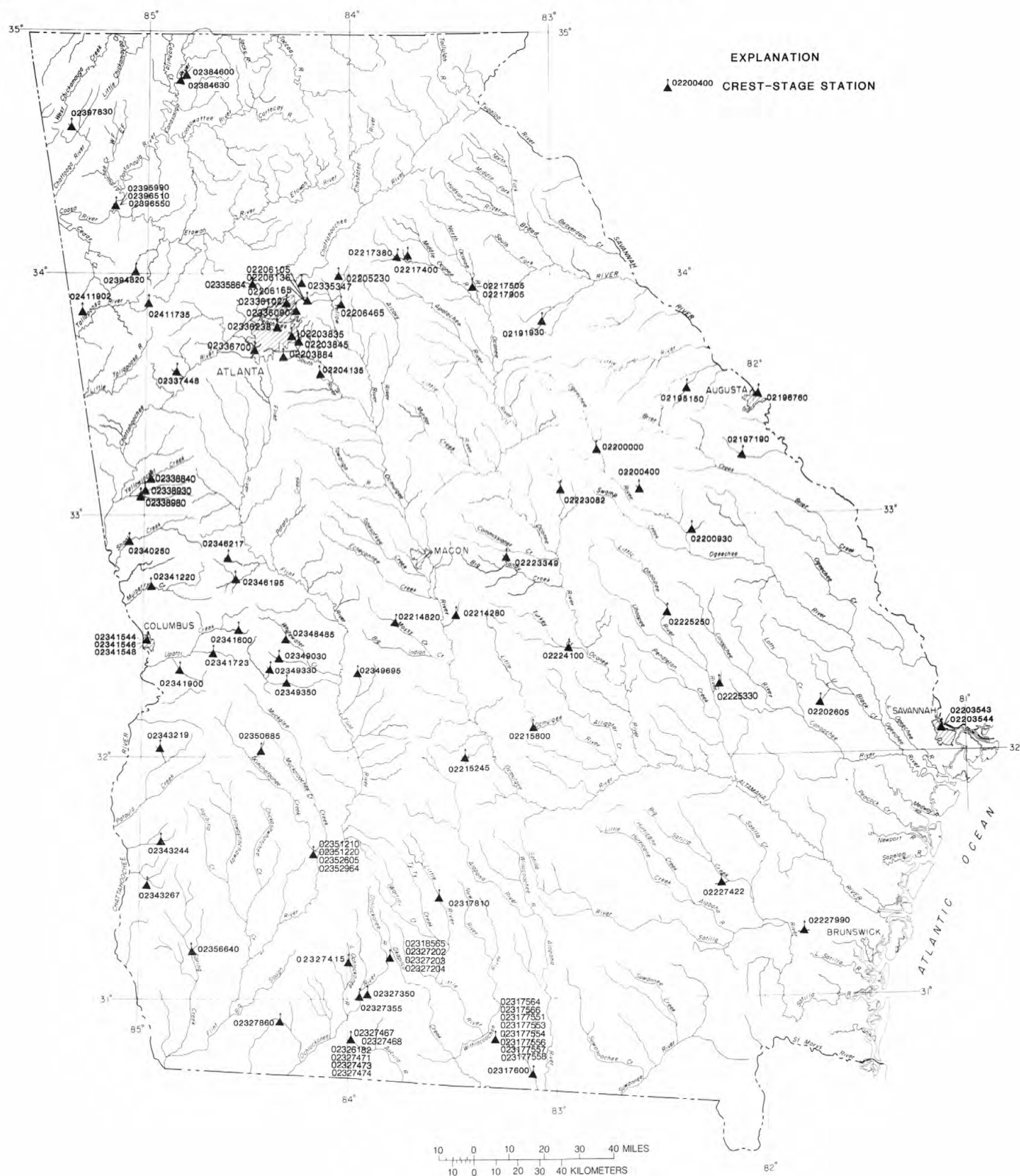
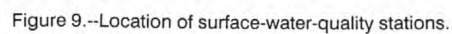


Figure 8.--Location of crest stage partial-record stations.



WATER RESOURCES DATA FOR GEORGIA, 1992

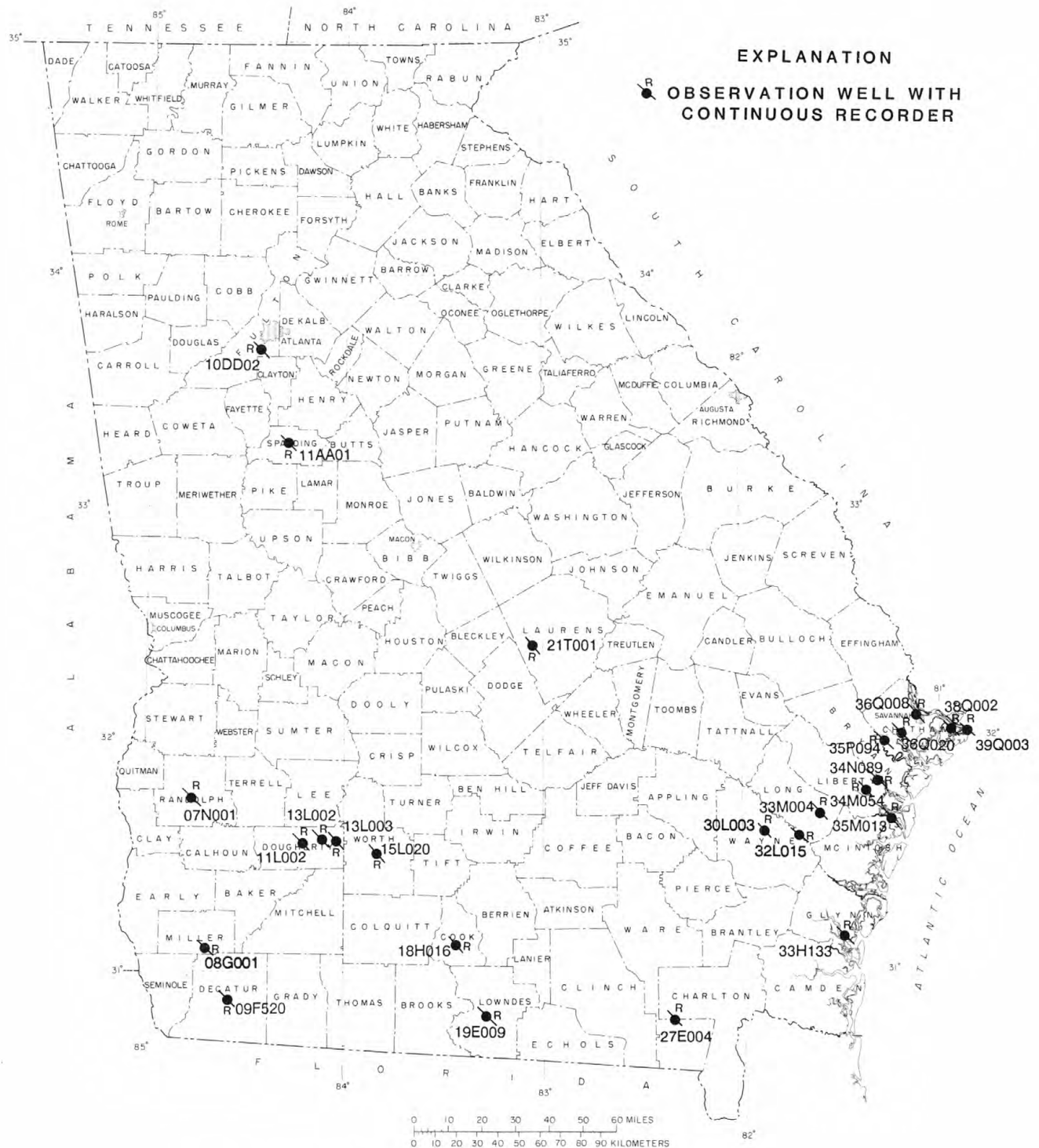


Figure 10.--Location of selected observation wells.

HYDROLOGIC-DATA STATION RECORDS

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.
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).
D	Biological organism count equal to or greater than 15 percent (dominant).
&	Biological organism estimated as dominant.

Dissolved Trace-Element Concentrations

NOTE: 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 1994.

HYDROLOGIC-DATA STATION RECORDS

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 south east of Clayton, 9 mi downstream from War Woman 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 National Geodetic Vertical Datum of 1929. 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. 3	1800	3,450	4.00	Aug. 22	1830	4,250	4.47
Feb. 26	0330	3,980	4.32	Aug. 28	0845	*8,770	*6.64
June 4	1715	3,580	4.08	Sept. 6	0100	4,740	4.75

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	390	281	1630	475	481	941	701	541	440	562	326	794
2	374	340	2220	460	465	873	670	527	426	634	310	724
3	372	288	2350	968	457	812	648	516	673	565	301	692
4	356	268	1800	857	449	768	638	497	2520	514	306	800
5	356	266	1180	653	442	739	619	488	1580	483	305	1200
6	365	266	947	581	432	1810	602	490	973	476	302	2660
7	338	263	816	540	427	1800	607	548	774	459	320	1430
8	330	261	731	512	424	1290	600	1010	712	440	317	1140
9	328	261	667	502	410	1090	580	916	883	427	306	1060
10	323	272	661	490	403	1200	569	687	1150	419	291	934
11	319	269	579	465	399	1350	628	604	1130	407	294	889
12	317	256	556	453	397	1110	763	568	1180	393	298	776
13	309	250	542	485	395	998	659	562	1070	384	456	733
14	305	248	581	838	398	931	592	587	1300	399	472	710
15	325	245	e540	618	806	884	581	537	1430	391	336	690
16	331	245	e500	546	920	839	570	511	1150	395	357	666
17	309	241	e490	509	612	799	553	497	992	378	329	648
18	301	241	e460	498	617	797	543	489	908	377	419	663
19	296	288	438	480	625	1370	536	547	837	367	323	706
20	293	306	427	464	576	1140	641	591	757	358	303	700
21	291	448	427	451	537	991	1260	511	699	354	346	665
22	293	2020	427	443	512	931	1130	483	643	576	1820	705
23	290	941	438	1030	876	990	811	460	622	521	2140	875
24	290	564	461	915	1080	886	715	446	597	634	1590	665
25	292	460	419	682	1380	842	680	435	570	452	842	600
26	287	413	403	609	3180	903	622	432	585	387	629	571
27	280	382	399	567	1690	825	596	425	559	373	871	639
28	277	368	545	556	1270	773	575	417	558	361	4570	678
29	269	354	825	532	1070	747	565	471	533	338	1830	e730
30	267	369	565	511	---	753	552	582	520	324	1190	e590
31	266	---	504	498	---	745	---	494	---	317	931	---
TOTAL	9739	11674	23528	18188	21730	30927	19806	16869	26771	13465	23430	25333
MEAN	314	389	759	587	749	998	660	544	892	434	756	844
MAX	390	2020	2350	1030	3180	1810	1260	1010	2520	634	4570	2660
MIN	266	241	399	443	395	739	536	417	426	317	291	571
CFSM	1.52	1.88	3.67	2.83	3.62	4.82	3.19	2.63	4.31	2.10	3.65	4.08
IN.	1.75	2.10	4.23	3.27	3.91	5.56	3.56	3.03	4.81	2.42	4.21	4.55

e Estimated

SAVANNAH RIVER BASIN

02177000 CHATTOOGA RIVER NEAR CLAYTON, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1940 - 1992, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	431	490	649	753	863	942	900	738	611	523	486	438
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 1991 CALENDAR YEAR					FOR 1992 WATER YEAR					WATER YEARS 1940 - 1992	
ANNUAL TOTAL	274794					241460						
ANNUAL MEAN	753					660					651	
HIGHEST ANNUAL MEAN											1098	
LOWEST ANNUAL MEAN											337	
HIGHEST DAILY MEAN	2670					Mar 29					14800	
LOWEST DAILY MEAN	241					Nov 17,18					88	
ANNUAL SEVEN-DAY MINIMUM	247					Nov 12					90	
INSTANTANEOUS PEAK FLOW						8770					a29000	
INSTANTANEOUS PEAK STAGE						6.64					13.80	
INSTANTANEOUS LOW FLOW						240					88	
ANNUAL RUNOFF (CFSM)	3.64					3.19					3.14	
ANNUAL RUNOFF (INCHES)	49.38					43.39					42.72	
10 PERCENT EXCEEDS	1210					1130					1150	
50 PERCENT EXCEEDS	686					547					528	
90 PERCENT EXCEEDS	314					302					232	

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

SAVANNAH RIVER BASIN

02177000 CHATTOOGA RIVER NEAR CLAYTON, GA.--Continued

WATER-QUALITY RECORDS

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

REMARKS.--Laboratory chemical analyses 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 1991 TO SEPTEMBER 1992

DATE	TIME	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)
OCT 09...	1320	322	15	15	6.9	6.7	14.0	20.5	10.3	103
NOV 12...	1115	255	14	14	7.3	6.7	7.0	12.0	-	-
DEC 10...	0830	696	14	12	-	6.4	9.0	4.5	10.4	94
JAN 15...	1030	617	13	14	6.3	6.7	6.0	5.5	12.7	107
FEB 11...	0645	399	14	13	7.3	6.7	4.0	3.5	12.6	99
MAR 10...	1130	1110	13	12	6.8	6.5	12.0	14.5	12.0	118
APR 14...	0610	601	15	12	7.3	6.6	14.0	4.5	10.0	100
MAY 19...	1025	506	17	13	-	6.7	19.0	24.5	9.2	103
JUN 09...	0945	714	22	20	6.4	6.8	18.5	23.5	6.7	97
JUL 14...	1000	379	-	14	-	7.0	24.0	28.0	8.0	-
AUG 11...	0620	299	25	15	7.4	6.9	22.0	18.5	7.6	91
SEP 08...	0945	1150	-	12	7.2	6.4	18.0	23.5	9.3	-

DATE	TUR- BID- ITY (NTU)	OXYGEN DEMAND, CHEM- ICAL (LOW LEVEL) (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LITY WAT WH TOT 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)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 09...	1.7	-	1.7	20	5	<1	<0.020	0.070	-	0.030	1.2
NOV 12...	<1.0	-	0.2	50	6	<1	<0.020	<0.030	-	<0.020	1.6
DEC 10...	2.0	-	0.6	80	6	<1	0.030	<0.030	-	0.040	<1.0
JAN 15...	4.0	-	0.9	110	5	4	<0.020	0.180	-	0.180	-
FEB 11...	1.0	-	0.9	20	8	<1	<0.020	<0.030	-	0.050	<1.0
MAR 10...	3.0	-	0.3	60	5	5	0.020	<0.030	-	0.040	<1.0
APR 14...	3.0	-	0.3	170	6	3	0.030	<0.030	-	0.030	1.2
MAY 19...	3.0	-	0.3	50	6	1	<0.020	<0.030	-	0.030	<1.0
JUN 09...	4.0	-	0.4	330	6	7	0.030	<0.030	-	0.020	2.0
JUL 14...	2.0	-	0.5	<20	7	2	0.040	0.090	-	0.050	1.0
AUG 11...	3.0	6	0.3	20	6	<1	<0.020	<0.030	<0.10	0.050	2.0
SEP 08...	5.0	<5	0.3	220	5	<7	<0.020	<0.030	<0.10	<0.040	2.0

SAVANNAH RIVER BASIN

02177450 STEKOA CREEK BELOW CLAYTON, GA.

LOCATION.--Lat 34°50'07", long 83°20'49", Rabun County, Hydrologic Unit 03060102, at 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 current year.

REMARKS.--Laboratory analyses 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 by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	TIME	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)
OCT 09...	1250	45	34	36	7.1	7.1	13.0	19.0	10.1	100
DEC 10...	0800	60	32	32	7.1	6.8	10.0	8.0	10.6	97
FEB 11...	0715	51	32	29	6.9	6.8	6.0	4.5	12.2	102
APR 14...	0540	72	32	27	7.3	6.9	13.0	8.0	10.1	100
JUN 09...	0855	86	38	29	6.8	6.9	18.0	22.5	8.7	97
AUG 11...	0550	45	44	34	7.3	7.0	20.0	19.5	8.2	95

DATE	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LINITY WAT WH TOT 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)
OCT 09...	1.3	1.3	790	12	3	0.180	0.060	0.050	1.1
DEC 10...	18	0.4	3300	10	13	0.390	<0.030	0.080	1.9
FEB 11...	4.0	0.8	700	10	3	0.270	<0.030	0.070	<1.0
APR 14...	14	0.4	1700	8	17	0.270	<0.030	0.060	1.5
JUN 09...	27	0.5	3300	7	33	0.280	<0.030	0.090	2.0
AUG 11...	13	0.5	3300	11	7	0.390	<0.030	0.090	2.0

SAVANNAH RIVER BASIN

02178400 TALLULAH RIVER NEAR CLAYTON, GA.
(Hydrologic Bench-Mark Station)

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 National Geodetic Vertical Datum of 1929 (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)
Nov. 22	0730	1,260	4.87	Aug. 28	0430	1,700	5.52
Dec. 3	1045	1,320	4.96	Sept. 5	2115	*1,800	*5.66

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	87	80	233	146	141	234	223	166	116	230	96	206
2	87	77	412	141	137	216	215	160	113	247	90	192
3	86	69	738	363	135	204	207	155	186	207	87	175
4	84	68	427	252	134	194	201	150	524	169	87	233
5	87	68	274	213	132	194	193	149	288	154	88	579
6	85	67	222	205	128	377	189	151	210	147	89	637
7	81	66	192	180	126	341	189	168	185	138	90	372
8	80	66	174	164	123	281	181	254	185	132	89	311
9	80	65	180	161	120	249	176	216	411	127	84	269
10	79	69	186	152	118	341	174	189	355	122	83	240
11	78	66	165	144	117	312	236	175	274	119	82	224
12	76	64	155	140	116	276	222	167	249	115	92	205
13	75	64	148	157	119	254	199	166	266	111	159	194
14	75	63	175	194	117	236	188	162	328	119	109	183
15	83	62	156	159	286	223	184	151	342	116	249	174
16	77	62	148	149	251	213	177	145	307	114	139	166
17	75	62	141	143	203	204	173	139	261	110	179	161
18	73	62	136	139	191	236	170	139	235	108	137	163
19	72	76	130	136	199	453	168	159	216	103	114	162
20	72	70	126	133	177	328	205	149	197	127	211	150
21	72	320	127	131	168	282	362	139	182	121	190	161
22	72	640	124	128	159	285	297	133	171	148	571	191
23	72	242	144	300	276	350	245	129	165	129	426	168
24	73	164	146	232	236	291	222	126	158	118	329	151
25	72	133	132	195	477	277	212	124	151	126	217	144
26	71	118	127	179	630	281	197	121	157	121	186	143
27	71	108	124	169	395	259	188	118	145	114	222	157
28	70	102	205	165	309	241	181	118	139	106	1090	180
29	69	97	194	156	267	230	175	134	138	98	433	187
30	68	110	168	152	---	239	171	142	154	95	289	157
31	69	---	154	147	---	237	---	123	---	100	240	---
TOTAL	2371	3380	6163	5425	5987	8338	6120	4717	6808	4091	6547	6635
MEAN	76.5	113	199	175	206	269	204	152	227	132	211	221
MAX	87	640	738	363	630	453	362	254	524	247	1090	637
MIN	68	62	124	128	116	194	168	118	113	95	82	143
CFSM	1.35	1.99	3.52	3.10	3.65	4.76	3.61	2.69	4.02	2.34	3.74	3.91
IN.	1.56	2.23	4.06	3.57	3.94	5.49	4.03	3.11	4.48	2.69	4.31	4.37

SAVANNAH RIVER BASIN

02178400 TALLULAH RIVER NEAR CLAYTON, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1964 - 1991, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	122	146	197	231	272	289	262	221	167	126	131	105
MAX	394	349	357	456	588	579	473	495	364	328	380	230
(WY)	1965	1978	1974	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 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1964 - 1991	
ANNUAL TOTAL	72652		66582		189	
ANNUAL MEAN	199		182		275	
HIGHEST ANNUAL MEAN					82.9	
LOWEST ANNUAL MEAN					3910	
HIGHEST DAILY MEAN	1330	Mar 29	1090	Aug 28	28	Mar 4 1979
LOWEST DAILY MEAN	62	Nov 15	62	Nov 15	29	Oct 6 1986
ANNUAL SEVEN-DAY MINIMUM	63	Nov 12	63	Nov 12	29	Oct 2 1986
INSTANTANEOUS PEAK FLOW			1800	Sep 5	8500	May 28 1973
INSTANTANEOUS PEAK STAGE			5.66	Sep 5	12.00	May 28 1973
INSTANTANEOUS LOW FLOW			61	Nov 17,18	27	Oct 8 1986
ANNUAL RUNOFF (CFSM)	3.52		3.22		3.34	
ANNUAL RUNOFF (INCHES)	47.83		43.84		45.36	
10 PERCENT EXCEEDS	320		290		335	
50 PERCENT EXCEEDS	174		159		147	
90 PERCENT EXCEEDS	77		77		65	

SAVANNAH RIVER BASIN

02178400 TALLULAH RIVER NEAR CLAYTON, GA.--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 1967 to September 1968, December 1969 to current year.

PERIOD OF DAILY RECORD.--

WATER TEMPERATURES: September 1964 to September 1979.

REMARKS.--Laboratory analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determinations of Discharge, Specific Conductance, pH, Water 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 1991 TO SEPTEMBER 1992

DATE	TIME	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)
OCT 09...	1120	80	19	17	6.9	6.8	11.0	19.5	10.0	96
DEC 10...	0945	179	18	15	6.7	6.6	9.0	8.5	10.4	96
FEB 11...	0805	118	15	15	6.6	6.6	5.0	4.5	12.4	101
APR 14...	0655	189	17	14	6.9	6.7	11.0	9.0	10.6	102
JUN 09...	1215	395	21	15	6.9	6.7	16.0	23.0	9.0	98
AUG 11...	0705	84	27	18	7.4	6.9	18.0	19.5	8.1	92

DATE	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LITY WAT WH TOT FET LAB MG/L AS CACO3	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)
OCT 09...	<1.0	1.2	80	7	0.030	0.070	0.030	1.0
DEC 10...	1.0	0.4	140	5	0.040	<0.030	0.040	1.1
FEB 11...	1.0	0.2	20	7	0.030	<0.030	0.040	<1.0
APR 14...	2.0	0.4	70	6	0.040	<0.030	0.020	1.1
JUN 09...	21	0.6	6300	5	0.020	<0.030	0.050	5.0
AUG 11...	2.0	0.4	230	7	0.070	<0.030	0.050	2.0

SAVANNAH RIVER BASIN

02183520 EASTANOLLEE CREEK NEAR AVALON, GA.

LOCATION.--Lat 34°31'42", long 83°11'50", Stephens County, Hydrologic Unit 03060102, at Yow Mill road, 0.3 miles above Little Eastanollee Creek, 7.1 miles above mouth, and 1.8 miles north of Avalon.

DRAINAGE AREA.--16.1 mi².

PERIOD OF RECORD.--August 1991 to current year.

REMARKS.--Laboratory analyses 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 by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	TIME	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)
OCT 09...	1450	16	425	398	7.4	7.4	14.5	22.0	9.8	98
DEC 10...	1100	16	305	329	6.6	7.2	11.0	17.5	10.2	95
FEB 11...	1000	18	360	375	7.3	7.3	7.5	11.5	15.0	127
APR 14...	0845	23	340	326	7.0	7.3	13.0	15.0	12.4	119
JUN 09...	1400	32	290	--	7.4	7.2	21.5	28.0	8.2	96
AUG 11...	0900	15	450	537	7.7	7.5	21.0	24.5	7.6	88

DATE	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LINITY WAT WH TOT FET LAB MG/L AS CACO3	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)
OCT 09...	7.0	2.2	330	45	1.60	0.120	0.530	5.9
DEC 10...	11	1.3	1100	33	1.39	0.060	0.380	3.8
FEB 11...	10	2.4	460	41	1.48	0.350	0.390	5.7
APR 14...	12	1.3	490	32	1.61	0.080	0.350	3.6
JUN 09...	64	1.4	4900	28	1.20	<0.030	0.330	7.0
AUG 11...	14	1.4	1000	49	1.10	<0.030	0.730	6.0

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.

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

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

GAGE.--Water-stage recorder and data collection platform. Elevation of gage is 480 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

REMARKS.--Records fair, except those for the periods of estimated daily discharges and those less than 1,000 ft³/s, which are poor. Flow regulated by Lake Burton, Mathis Reservoir, and Hartwell Lake. (See "Lakes and Reservoirs in Savannah River Basin, stations 02188500, 02179500, and 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 478 ft, therefore, the daily mean discharge is not shown for Nov. 19 to Dec. 18, Jan. 16-20, Mar. 8-16, 23-30, Apr. 7-12, June 11-21, Sept. 20, 21, 24-30.

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

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 12.76 ft, July 25, 1991, (discharge not determined); minimum daily discharge, 35 ft³/s, June 4, 1992, but may have been less during periods of backwater.

PEAK DISCHARGES FOR CURRENT YEAR.--Maximum gage height, 11.58 ft, Sept. 29 (discharge not determined); minimum daily discharge, 35 ft³/s, but may have been less during periods of backwater.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	--	--	--	3320	47	45	11600	5420	2660	3440	47	20000
2	--	--	--	5640	1320	3930	11600	63	1120	3420	47	8390
3	--	--	--	5030	2860	3950	11600	62	e40	1080	5260	8070
4	--	--	--	955	2820	7130	928	4860	e35	47	5210	2930
5	--	5410	--	1020	2810	5540	1010	4480	1100	47	5300	777
6	--	3700	--	3980	2800	4210	7320	4480	49	4780	5250	781
7	--	3490	--	1600	2790	997	--	6440	50	4760	5280	7620
8	--	6400	--	1700	51	--	--	4550	3020	5250	47	9180
9	--	2630	--	5290	49	--	--	259	2640	7390	47	10300
10	--	49	--	5220	4320	--	--	329	7000	7130	6210	10400
11	--	3260	--	2310	4340	--	--	4390	--	2730	5290	14000
12	--	3290	--	107	4320	--	--	4470	--	50	5480	1090
13	--	5330	--	6050	6790	--	3210	4430	--	4420	378	1110
14	--	5400	--	6300	4280	--	2840	6030	--	7110	3150	14900
15	--	5560	--	6610	49	--	1430	4410	--	4400	47	14900
16	--	545	--	--	45	--	6250	367	--	4420	48	14800
17	--	564	--	--	4630	8570	1170	386	--	4430	3890	14900
18	--	6060	--	--	7360	8430	73	4860	--	47	3930	14900
19	--	--	10800	--	4670	8240	74	4790	--	47	3900	6900
20	--	--	11000	--	4020	8140	3570	5180	--	2980	3870	--
21	--	--	676	4220	2420	633	5190	3220	--	2980	3950	--
22	--	--	694	3770	45	724	5210	4800	8830	3000	64	7620
23	--	--	6070	3550	47	--	3630	1320	8600	3010	61	4890
24	--	--	6190	3380	2470	--	1850	281	8470	3000	5280	--
25	--	--	3350	1800	1220	--	67	1380	10300	47	7630	--
26	--	--	6100	383	2460	--	72	2220	8150	2720	5250	--
27	--	--	5780	2630	3700	--	3490	2150	142	e2600	5300	--
28	--	--	815	2570	2450	--	3660	3110	158	2720	15400	--
29	--	--	1060	2910	46	--	3640	3000	3910	2990	806	--
30	--	--	5230	2320	--	--	3650	68	3460	4110	791	--
31	--	--	5000	2000	--	12800	--	68	--	2960	19300	--
TOTAL	--	--	--	--	75229	--	--	91873	--	98115	126513	--
MEAN	--	--	--	--	2594	--	--	2964	--	3165	4081	--
MAX	--	--	--	--	7360	--	--	6440	--	7390	19300	--
MIN	--	--	--	--	45	--	--	62	--	47	47	--

e Estimated

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 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 current year.

PERIOD OF DAILY RECORD.--

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

REMARKS.--Laboratory chemical analyses 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-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 1990 TO SEPTEMBER 1991

DATE	TIME	GAGE HEIGHT (FEET)	SPE- CIFIC CON- DUCT- ANCE LAB (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)
DEC 12...	1000	23.22	36	34	6.5	6.8	13.5	10.0	7.8	76
MAR 13...	1030	24.00	36	35	7.2	6.9	11.0	10.5	11.2	105
JUN 12...	0730	23.77	40	38	7.7	7.7	26.0	22.0	7.3	92
AUG 14...	1530	25.00	37	34	6.6	6.7	20.5	20.5	7.1	80

DATE	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LINITY WAT WH TOT FET LAB MG/L AS CACO3	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)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)
DEC 12...	3.0	0.3	<20	11	0.060	0.070	0.120	2.1	330	50
MAR 13...	4.0	0.2	<20	11	0.200	<0.030	0.160	<1.0	460	45
JUN 12...	1.0	0.4	<20	11	0.050	<0.030	0.060	2.6	50	13
AUG 14...	20	1.5	2300	12	0.120	0.110	0.420	3.8	390	28

SAVANNAH RIVER BASIN

02188600 BEAVERDAM CREEK ABOVE ELBERTON, GA.

LOCATION.--Lat 34°10'07", long 82°53'48", Elbert County, Hydrologic Unit 03060103, at left bank on downstream end of bridge on County Road 310, 200 ft downstream from Little Beaverdam Creek, 3.25 mi east of Dewy Rose, and 4.3 mi north-northwest of Elberton.

DRAINAGE AREA.--72 mi².

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

GAGE.--Water-stage recorder. Datum of gage is 529.38 ft above National Geodetic Vertical Datum of 1929 (leveling by global positioning system equipment).

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

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 700 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Aug. 24	0815	*1,060	*7.82	No other peak greater than base discharge.			

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	38	38	46	53	50	107	e80	51	38	42	22	70
2	38	49	45	49	48	96	e70	50	37	60	18	68
3	40	45	58	63	47	89	e66	47	40	52	16	63
4	39	40	76	73	46	82	e62	45	57	46	15	58
5	37	38	58	61	46	79	e58	42	65	39	14	58
6	35	38	49	56	48	128	e58	48	53	38	14	155
7	33	38	46	51	46	176	e62	67	45	35	15	183
8	33	38	43	48	43	131	69	96	47	31	16	106
9	33	39	43	49	41	106	68	104	70	27	15	85
10	33	54	46	48	40	101	66	76	128	25	15	74
11	31	55	45	72	41	104	66	66	81	23	13	65
12	31	48	43	76	40	90	68	60	75	22	12	57
13	33	43	43	53	41	82	65	57	70	20	28	52
14	35	42	45	47	42	77	63	55	71	20	48	49
15	35	42	48	43	60	73	61	51	68	19	32	46
16	34	41	45	41	90	69	63	49	60	19	46	44
17	33	40	42	40	71	68	60	47	55	22	68	43
18	33	40	40	40	75	68	57	46	50	30	53	42
19	32	39	39	47	71	e70	56	46	49	26	47	46
20	32	39	37	44	63	e80	59	49	47	24	36	47
21	34	40	38	42	58	e72	87	45	46	22	40	45
22	34	45	39	41	55	e68	106	42	43	20	46	46
23	35	47	41	101	70	e100	77	40	39	23	184	46
24	36	42	46	133	110	e115	67	37	36	37	661	104
25	36	39	44	85	123	e92	61	37	34	29	201	116
26	36	38	40	70	402	e92	55	36	31	24	145	74
27	35	37	40	62	227	e86	52	35	31	21	117	115
28	34	38	61	61	155	e72	53	36	34	19	124	256
29	e35	39	106	60	128	e72	51	38	33	18	101	284
30	e35	40	73	56	---	e72	50	41	34	17	85	151
31	e35	---	61	54	---	e80	---	43	---	18	77	---
TOTAL	1073	1251	1526	1819	2377	2797	1936	1582	1567	868	2324	2648
MEAN	34.6	41.7	49.2	58.7	82.0	90.2	64.5	51.0	52.2	28.0	75.0	88.3
MAX	40	55	106	133	402	176	106	104	128	60	661	284
MIN	31	37	37	40	40	68	50	35	31	17	12	42
CFSM	.48	.58	.68	.81	1.14	1.25	.90	.71	.73	.39	1.04	1.23
IN.	.55	.65	.79	.94	1.23	1.45	1.00	.82	.81	.45	1.20	1.37

e Estimated

SAVANNAH RIVER BASIN

02188600 BEAVERDAM CREEK ABOVE ELBERTON, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1987 - 1991, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	97.1	51.5	64.3	118	131	164	100	76.5	55.4	66.7	39.6	50.0
MAX	312	73.8	102	183	298	330	134	155	101	151	65.0	105
(WY)	1990	1990	1990	1987	1990	1990	1991	1991	1991	1989	1991	1989
MIN	13.2	28.6	27.9	44.1	44.3	50.7	67.1	30.4	12.7	9.76	14.7	17.7
(WY)	1989	1988	1989	1989	1989	1988	1989	1988	1988	1988	1988	1988

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1987 - 1991	
ANNUAL TOTAL	33101		21768			
ANNUAL MEAN	90.7		59.5		84.4	
HIGHEST ANNUAL MEAN					137	
LOWEST ANNUAL MEAN					37.3	
HIGHEST DAILY MEAN	637		661		2520	
LOWEST DAILY MEAN	31		12		5.0	
ANNUAL SEVEN-DAY MINIMUM	32		14		6.1	
INSTANTANEOUS PEAK FLOW			1060		4100	
INSTANTANEOUS PEAK STAGE			7.82		14.66	
INSTANTANEOUS LOW FLOW			12		4.7	
ANNUAL RUNOFF (CFSM)	1.26		.83		1.17	
ANNUAL RUNOFF (INCHES)	17.10		11.25		15.93	
10 PERCENT EXCEEDS	155		100		154	
50 PERCENT EXCEEDS	75		47		56	
90 PERCENT EXCEEDS	38				17	

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 National Geodetic Vertical Datum of 1929. 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 period 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)	
Aug. 24	1330	*22,400		*22.08			No other peak greater than base discharge.					
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	741	670	769	1110	1190	2260	1920	1040	771	896	e570	1180
2	728	785	803	1020	1130	1980	1850	1010	716	1210	e540	1080
3	742	862	870	1180	1080	1780	e1800	986	698	2180	e500	1100
4	753	777	1390	2090	1060	1660	e1750	945	891	e1550	e460	1010
5	737	718	1350	1730	1050	1590	e1700	899	1570	e1150	e440	994
6	719	699	1020	1340	1060	3050	e1600	891	1370	e930	e430	1700
7	702	698	910	1180	1040	9320	e1650	1010	984	e840	e450	2330
8	676	705	869	1070	1010	6050	e1700	1270	873	e760	e460	1480
9	665	713	843	1030	985	3170	e1600	1680	1270	e710	e460	1180
10	665	801	856	1020	964	2480	e1550	1430	1870	653	e460	1070
11	669	925	873	986	946	2630	e1650	1150	1830	609	e450	1030
12	665	857	841	936	957	2380	e1700	1020	1670	e580	e540	1000
13	656	783	816	912	957	2040	e1750	958	1670	e560	e980	e900
14	644	748	822	935	972	1860	e1800	940	1600	e540	1850	e880
15	640	732	895	940	1200	1740	e1400	967	1560	e530	1290	e840
16	659	727	910	899	2540	1690	1280	907	1370	e530	802	e800
17	687	727	837	863	2460	1670	1280	857	1230	e540	1740	e780
18	668	724	808	845	2700	1660	1230	820	1040	e570	1950	e780
19	653	718	796	895	2500	1760	1190	796	963	e630	1380	e780
20	647	725	780	964	1920	3120	1190	1150	909	e610	953	e840
21	638	745	767	938	1640	2350	1530	1170	837	e580	799	e820
22	643	771	780	895	1490	1930	2390	917	775	e560	895	e820
23	653	999	791	1240	1680	2450	1790	805	730	e630	7410	e1000
24	667	1010	837	3510	3280	3140	1430	755	708	726	20900	1390
25	678	851	929	2430	3160	2340	1290	715	696	686	14100	1640
26	680	786	889	1770	6430	2550	1190	682	686	e600	3100	1130
27	675	757	829	1530	7930	2490	1120	668	743	e580	2340	1120
28	673	744	894	1420	4110	2100	1110	657	737	e560	2200	3890
29	670	739	1850	1390	2730	1900	1090	671	730	e540	2690	6870
30	650	744	1910	1310	---	1860	1060	715	775	e540	1850	3540
31	646	---	1330	1240	---	1970	---	779	---	e540	1420	---
TOTAL	20989	23240	29864	39618	60171	78970	45590	29260	32272	23120	74409	43974
MEAN	677	775	963	1278	2075	2547	1520	944	1076	746	2400	1466
MAX	753	1010	1910	3510	7930	9320	2390	1680	1870	2180	20900	6870
MIN	638	670	767	845	946	1590	1060	657	686	530	430	780
CFSM	.47	.54	.67	.89	1.45	1.78	1.06	.66	.75	.52	1.68	1.03
IN.	.55	.60	.78	1.03	1.57	2.05	1.19	.76	.84	.60	1.94	1.14

e Estimated

SAVANNAH RIVER BASIN

02192000 BROAD RIVER NEAR BELL, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1927 - 1992, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	1064	1200	1779	2425	2783	3232	2470	1756	1363	1202	1071	907
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	158
(WY)	1955	1982	1956	1956	1989	1988	1986	1941	1988	1986	1988	1954

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1927 - 1992	
ANNUAL TOTAL	677006		501477		1771	
ANNUAL MEAN	1855		1370		3261	
HIGHEST ANNUAL MEAN					692	
LOWEST ANNUAL MEAN					70600	
HIGHEST DAILY MEAN	13500	Mar 30	20900	Aug 24	96	Oct 2 1929
LOWEST DAILY MEAN	638	Oct 21	430	Aug 6	106	Jul 23 1986
ANNUAL SEVEN-DAY MINIMUM	653	Oct 18	450	Aug 5	a79400	Oct 2 1929
INSTANTANEOUS PEAK FLOW			22400	Aug 24	34.80	Oct 2 1929
INSTANTANEOUS PEAK STAGE			22.08	Aug 24	1.24	
ANNUAL RUNOFF (CFSM)	1.30		.96		16.83	
ANNUAL RUNOFF (INCHES)	17.61		13.05		3050	
10 PERCENT EXCEEDS	3180		2330		1130	
50 PERCENT EXCEEDS	1500		957		508	
90 PERCENT EXCEEDS	725		647			

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.--November 1969 to May 1979, July 1990 to current year.

REMARKS.--Laboratory analyses 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 by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	TIME	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)
OCT 16...	1205	660	57	55	7.1	7.3	15.0	22.5	9.7	98
DEC 19...	1115	801	54	56	7.2	7.2	4.5	7.5	12.9	99
FEB 18...	1215	2760	52	50	7.3	6.8	9.0	11.0	10.8	94
APR 22...	1000	2550	61	51	7.0	7.0	19.0	25.0	9.5	103
JUN 16...	1145	1340	65	52	7.1	7.0	23.0	29.5	7.5	88
AUG 19...	1015	1490	68	50	7.4	6.8	24.0	31.0	7.3	88

DATE	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LINITY WAT WH TOT FET LAB MG/L AS CACO3	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)
OCT 16...	8.0	1.2	220	18	0.270	0.060	0.050	1.7
DEC 19...	9.0	-	220	18	0.410	<0.030	0.150	2.6
FEB 18...	66	1.0	3300	15	0.380	<0.030	0.110	7.9
APR 22...	68	0.6	7000	16	0.410	<0.030	0.170	4.6
JUN 16...	48	0.6	170	18	0.500	<0.030	0.110	3.0
AUG 19...	66	1.1	3100	17	0.310	<0.030	0.120	3.0

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 National Geodetic Vertical Datum of 1929.

REMARKS.--Records good for discharges greater than or equal to 10 ft³/s and fair for discharges less than 10 ft³/s and for the period of estimated daily discharges.

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)
Mar. 7	0545	*2,240	*12.61	No other peak greater than base discharges.			

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.1	8.7	9.5	11	12	24	24	14	7.9	8.2	e6.0	8.4
2	8.4	11	9.8	11	12	21	22	13	7.4	54	e5.6	8.1
3	8.8	8.5	25	23	12	19	20	12	11	47	e5.2	8.6
4	8.4	8.4	20	16	11	18	20	11	17	33	e4.6	9.5
5	7.9	8.4	11	13	12	19	18	11	9.7	18	e4.1	14
6	7.6	8.4	10	12	13	255	18	12	7.9	13	e3.7	20
7	6.9	8.4	9.9	11	12	698	24	14	7.0	11	e4.0	15
8	7.2	8.4	9.8	11	11	101	22	25	11	9.0	e5.0	12
9	7.3	8.9	9.8	12	10	64	20	19	68	8.3	e6.0	11
10	7.4	15	9.8	11	10	56	18	14	29	7.6	e7.0	12
11	7.4	12	9.3	10	10	44	25	12	90	e7.4	e5.2	11
12	7.0	9.4	9.3	9.9	10	34	26	12	50	e6.6	e4.0	10
13	6.5	8.9	9.3	12	10	29	20	12	27	e6.2	e25	10
14	6.7	9.0	9.9	17	10	26	19	12	23	6.0	e32	9.6
15	7.2	8.8	9.4	12	126	24	21	10	16	e7.0	e15	9.3
16	7.5	8.9	8.6	11	68	23	24	9.6	13	e7.4	e9.0	9.3
17	7.0	8.8	8.4	10	119	21	18	9.0	12	e10	e35	9.3
18	6.9	8.9	8.8	11	99	21	17	8.8	11	e9.6	e35	9.3
19	6.7	8.8	8.4	23	51	26	16	9.2	10	e8.6	e20	9.8
20	6.4	9.0	8.5	25	34	24	17	46	9.6	e7.4	e14	9.3
21	6.3	9.3	8.7	18	26	20	59	15	8.9	e6.2	e9.0	9.3
22	6.4	9.7	8.9	14	22	20	41	11	8.4	e10	e13	9.3
23	6.5	9.4	9.5	63	64	39	24	9.6	8.4	e11	e30	9.0
24	6.5	8.9	12	35	51	25	20	8.8	8.3	e9.0	e40	12
25	6.6	8.6	9.6	20	86	26	19	8.6	7.9	e7.6	e20	11
26	6.6	8.6	9.0	16	140	55	16	8.2	7.5	e6.8	11	10
27	6.4	8.8	9.3	14	54	33	16	8.0	7.7	e6.4	11	12
28	6.3	8.8	24	15	38	26	16	7.8	7.9	e6.2	19	13
29	6.5	8.8	33	14	30	24	14	9.1	7.8	e6.0	11	12
30	6.8	9.2	15	14	—	30	14	10	7.4	e6.0	9.3	10
31	7.8	—	12	13	—	31	—	9.2	—	e6.0	8.8	—
TOTAL	220.0	276.7	365.5	507.9	1163	1876	648	390.9	517.7	366.5	427.5	323.1
MEAN	7.10	9.22	11.8	16.4	40.1	60.5	21.6	12.6	17.3	11.8	13.8	10.8
MAX	8.8	15	33	63	140	698	59	46	90	54	40	20
MIN	6.3	8.4	8.4	9.9	10	18	14	7.8	7.0	6.0	3.7	8.1
CFSM	.21	.27	.35	.48	1.18	1.79	.64	.37	.51	.35	.41	.32
IN.	.24	.30	.40	.56	1.28	2.06	.71	.43	.57	.40	.47	.35

e Estimated

SAVANNAH RIVER BASIN

02193340 KETTLE CREEK NEAR WASHINGTON, GA.

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1986 - 1992, BY WATER YEAR (WY)

MEAN	19.8	7.53	15.1	32.9	43.5	53.1	31.7	17.3	9.79	8.26	14.0	7.47
MAX	89.7	9.55	35.8	61.2	110	77.9	50.1	49.6	19.5	22.5	63.7	16.3
(WY)	1990	1987	1990	1987	1990	1987	1989	1991	1991	1991	1991	1989
MIN	2.20	4.09	3.95	6.68	12.0	15.2	18.2	7.35	2.49	1.49	.72	2.52
(WY)	1989	1989	1989	1989	1989	1988	1990	1988	1988	1988	1988	1988

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1986 - 1992	
ANNUAL TOTAL	11556.0		7082.8		22.1	
ANNUAL MEAN	31.7		19.4		33.8	
HIGHEST ANNUAL MEAN					10.4	
LOWEST ANNUAL MEAN					2170	
HIGHEST DAILY MEAN	911	Aug 26	698	Mar 7	.12	Oct 1 1989
LOWEST DAILY MEAN	6.3	Oct 21	3.7	Aug 6	.23	Aug 28 1988
ANNUAL SEVEN-DAY MINIMUM	6.5	Oct 20	4.6	Aug 2	a4150	Aug 23 1988
INSTANTANEOUS PEAK FLOW			2240	Mar 7	17.68	Oct 1 1989
INSTANTANEOUS PEAK STAGE			12.61	Mar 7	.65	Oct 1 1989
ANNUAL RUNOFF (CFSM)	.93		.57		8.87	
ANNUAL RUNOFF (INCHES)	12.68		7.77		34	
10 PERCENT EXCEEDS	57		33		9.0	
50 PERCENT EXCEEDS	15		11		1.9	
90 PERCENT EXCEEDS	8.0		6.9			

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 Railroad 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 National Geodetic Vertical Datum of 1929 (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)
Mar. 8	0100	*4,420	*19.53	No other peak greater than base discharge.			

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	38	40	66	109	124	234	241	100	52	56	29	79
2	38	54	66	96	114	203	202	94	48	146	26	67
3	39	59	88	156	108	186	177	88	52	488	24	61
4	40	58	194	204	102	174	166	83	86	384	21	76
5	40	50	146	161	100	167	152	77	80	220	19	95
6	38	46	100	120	112	1170	139	75	61	135	17	172
7	35	47	80	99	110	3140	152	85	49	95	18	226
8	34	49	73	87	102	3570	190	124	50	77	23	153
9	35	50	72	85	92	1910	172	148	267	65	24	99
10	35	75	71	87	86	532	149	115	278	57	33	78
11	36	98	63	81	82	508	308	91	580	51	26	67
12	35	82	59	74	81	372	1360	81	775	46	19	59
13	34	66	60	93	81	300	463	77	306	42	62	53
14	33	59	60	180	80	259	241	78	241	37	262	49
15	36	58	61	154	397	235	201	74	176	37	304	45
16	39	61	58	112	1330	210	191	68	146	42	149	41
17	37	62	55	91	1000	194	169	64	120	44	76	39
18	38	60	51	85	1440	185	145	60	98	65	364	38
19	37	54	50	145	1150	207	131	58	86	62	369	38
20	34	50	47	259	532	219	131	93	77	55	184	37
21	34	50	48	256	319	194	665	169	68	45	93	36
22	34	53	52	210	253	178	518	95	61	40	72	35
23	35	54	55	644	481	269	257	70	55	64	118	33
24	35	54	68	689	713	292	184	59	52	73	503	36
25	36	52	70	340	578	236	154	54	49	59	732	50
26	37	50	64	232	1200	386	133	50	45	48	290	53
27	37	49	59	189	902	328	121	48	44	41	202	48
28	39	51	119	174	411	243	114	45	44	36	186	58
29	39	54	329	169	292	210	111	47	44	32	212	69
30	37	58	231	154	---	211	104	52	49	30	136	60
31	37	---	149	139	---	281	---	56	---	30	97	---
TOTAL	1131	1703	2764	5674	12372	16803	7441	2478	4139	2702	4690	2050
MEAN	36.5	56.8	89.2	183	427	542	248	79.9	138	87.2	151	68.3
MAX	40	98	329	689	1440	3570	1360	169	775	488	732	226
MIN	33	40	47	74	80	167	104	45	44	30	17	33
CFSM	.13	.20	.31	.63	1.47	1.86	.85	.27	.47	.30	.52	.23
IN.	.14	.22	.35	.73	1.58	2.15	.95	.32	.53	.35	.60	.26

SAVANNAH RIVER BASIN

02193500 LITTLE RIVER NEAR WASHINGTON, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1950 - 1992, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	148	95.3	222	404	510	650	418	293	136	108	78.6	65.0
MAX	834	607	1096	1123	1211	1939	1273	997	430	514	382	201
(WY)	1990	1958	1965	1960	1960	1952	1961	1964	1963	1967	1991	1959
MIN	.44	12.8	36.2	47.8	150	129	120	68.4	34.4	18.1	10.7	1.72
(WY)	1955	1955	1956	1956	1950	1955	1954	1970	1956	1990	1954	1954

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1950 - 1992	
ANNUAL TOTAL	101375		63947		255	
ANNUAL MEAN	278		175		500	
HIGHEST ANNUAL MEAN					107	
LOWEST ANNUAL MEAN					13400	
HIGHEST DAILY MEAN	3070	Mar 4	3570	Mar 8	Mar 3 1971	
LOWEST DAILY MEAN	33	Oct 14	17	Aug 6	Oct 12-16 1954	
ANNUAL SEVEN-DAY MINIMUM	35	Oct 8	21	Aug 3	Oct 11 1954	
INSTANTANEOUS PEAK FLOW			4420	Mar 8	Mar 3 1971	
INSTANTANEOUS PEAK STAGE			19.53	Mar 8	Mar 3 1971	
INSTANTANEOUS LOW FLOW			17	Aug 6	Oct 12 1954	
ANNUAL RUNOFF (CFSM)	.95		.60		.87	
ANNUAL RUNOFF (INCHES)	12.96		8.17		11.89	
10 PERCENT EXCEEDS	695		328		492	
50 PERCENT EXCEEDS	130		80		100	
90 PERCENT EXCEEDS	44		37		28	

a Datum then in use.

SAVANNAH RIVER BASIN

02193750 LITTLE RIVER AT U.S. 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 current year.

REMARKS.--Laboratory analyses 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 by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	TIME	GAGE HEIGHT (FEET)	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)
OCT 16...	1300	11.69	376	372	7.2	7.4	15.5	22.5	6.9	70
DEC 19...	1030	10.07	266	276	7.2	7.4	6.5	7.0	10.5	84
APR 22...	0915	13.25	87	78	7.0	6.9	19.0	23.5	7.9	86
JUN 16...	1230	12.59	121	115	7.3	7.1	21.5	30.5	6.1	70
AUG 19...	0930	10.97	91	77	7.1	6.9	22.0	31.0	5.1	59
SEP 16...	0830	13.12	212	205	7.1	7.3	23.5	23.5	5.7	67

DATE	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LITY WAT WH TOT FET LAB MG/L AS CACO3	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)
OCT 16...	17	1.7	20	74	0.100	0.140	0.510	4.5
DEC 19...	10	—	510	54	0.340	0.040	0.290	4.1
APR 22...	90	1.9	7900	24	0.110	<0.030	0.200	10
JUN 16...	48	0.6	1300	33	0.500	<0.030	0.140	7.0
AUG 19...	200	2.4	33500	20	0.430	0.040	0.200	8.0
SEP 16...	11	2.4	—	51	0.090	0.080	0.210	6.0

SAVANNAH RIVER BASIN

021964839 SAVANNAH RIVER NEAR MARTINEZ, GA.

LOCATION.--Lat 33°33'25", long 82°02'30", Columbia County, Hydrologic Unit 03060106, 0.3 mi upstream from Augusta City Lock and Dam, 0.7 mi downstream from Stevens Creek Dam, 3.3 mi northeast of Martinez, and at mile 206.3.

DRAINAGE AREA.--7,150 mi².

PERIOD OF RECORD.--July 1990 to current year.

REMARKS.--Laboratory analyses 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 by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	TIME	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)
OCT 16...	1430	1510	53	53	6.8	6.7	20.0	21.5	6.5	72
NOV 21...	0845	4240	53	53	7.0	7.0	18.5	21.0	9.4	96
DEC 19...	0900	7600	53	54	7.2	7.0	12.0	2.5	10.2	93
JAN 22...	0900	5770	58	56	7.2	7.3	9.0	6.0	10.8	94
FEB 18...	1500	6290	48	47	7.3	7.0	10.0	12.5	11.1	98
MAR 18...	0800	—	52	49	7.2	7.1	11.0	11.5	8.8	80
APR 22...	0745	6460	62	55	6.5	7.0	15.0	15.0	12.8	127
MAY 13...	0730	3720	45	53	7.1	6.8	16.0	19.5	8.1	83
JUN 16...	1430	6640	—	50	7.0	6.8	18.0	31.0	6.3	—
JUL 23...	0800	2860	55	46	7.0	6.5	18.0	26.5	5.2	55
AUG 18...	0800	6810	62	47	6.6	6.5	23.0	26.0	3.7	43
SEP 16...	0700	3210	57	47	6.7	6.6	19.5	22.5	3.7	40

DATE	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LITY WAT WH TOT FET LAB MG/L AS CACO3	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)
OCT 16...	2.0	1.0	<20	14	0.090	0.080	<0.020	2.8
NOV 21...	4.0	0.9	40	15	0.090	0.060	<0.020	4.3
DEC 19...	3.0	—	110	15	0.100	<0.030	0.090	2.9
JAN 22...	6.0	0.4	20	17	0.140	<0.030	0.060	3.4
FEB 18...	6.0	0.7	170	10	0.130	0.040	0.070	3.8
MAR 18...	5.0	0.9	20	15	0.110	<0.030	0.080	3.3
APR 22...	5.0	0.4	50	17	0.130	<0.030	0.140	2.6
MAY 13...	3.0	0.7	20	15	0.140	0.060	0.060	3.0
JUN 16...	7.0	0.3	<20	15	0.160	0.050	0.060	2.0
JUL 23...	2.0	1.7	<20	13	0.160	<0.030	0.020	2.0
AUG 18...	2.0	0.8	50	13	0.150	<0.030	0.060	2.0
SEP 16...	2.0	1.0	—	16	0.130	0.030	0.080	2.0

SAVANNAH RIVER BASIN

02196484 SAVANNAH RIVER NEAR NORTH AUGUSTA, SC.

LOCATION.--Lat 33°33'06", long 82°02'19", Edgefield County, S.C.- Columbia County, Ga., Hydrologic Unit 03060106, at Augusta City Lock and Dam, 1.0 mi downstream from Stevens Creek Dam, and at mile 206.

DRAINAGE AREA.--7,150 mi².

PERIOD OF RECORD.--October 1988 to current year.

GAGE.--Data-collection platform. Elevation of gage is 150 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

REMARKS.--Records fair, except those less than 5,000 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.)

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5810	6070	2760	4980	3890	5770	e15000	2840	2500	8010	3580	6890
2	7110	5270	3730	5530	2910	6330	e15500	3030	5100	8820	2670	6200
3	4950	3560	3720	4990	3970	5500	e13500	3680	6060	8190	3700	6980
4	5140	6730	4120	5230	2690	5150	e11000	3650	2220	6330	e5200	4940
5	4220	6980	4210	3090	1590	3560	e10000	3620	2650	6190	7930	4820
6	5100	7190	1910	6590	2600	5270	e9500	3070	2670	4910	7020	5290
7	3810	7080	2050	7510	2220	e12000	e11000	3510	3480	6130	5500	5630
8	7430	4020	3130	6360	2370	e15000	e10000	2670	5530	6650	3920	5180
9	5510	5710	2270	3830	2520	e10000	e9000	2860	6810	6700	4780	4270
10	5010	4070	1870	5840	4170	e7200	e7000	3390	5880	4750	6340	4330
11	3890	6230	2110	6190	5000	e6000	e4000	3120	4520	3620	6370	5100
12	2910	4900	1760	2950	4680	e5600	e3500	3240	6220	4600	6350	4740
13	4020	4930	1830	5580	3020	e5000	e4200	3720	4920	5620	7790	4070
14	2990	4810	2240	7160	2050	e5700	e3800	3770	5280	6880	8470	5340
15	2950	4780	4060	6520	3490	e7000	e3100	2770	5570	5390	4110	6970
16	2220	3900	4720	4990	4080	e8000	2600	2570	7840	4610	5400	3880
17	1500	3020	8410	4450	5990	e12000	2150	2580	8250	4300	6160	4020
18	669	4360	9680	4350	6200	e13000	2640	2550	e7700	3340	7140	6180
19	752	3780	9150	4740	6010	e13300	4820	3190	5270	3360	7890	3990
20	1960	3190	e8000	5670	6130	e12000	4280	4380	3790	4680	8000	2280
21	1240	3220	e5400	6050	5370	e10200	5260	3680	4140	4650	9050	5110
22	1560	3620	e5000	5840	5490	e8000	6490	2870	7530	4370	5820	6450
23	2320	2930	e5800	5820	5210	e7600	6710	2540	10200	3610	6410	6750
24	2360	3380	6150	4510	5100	e13000	6500	2650	10400	3400	6740	5460
25	4030	5440	7120	5250	7510	e15000	4990	2320	9940	3470	7360	3680
26	3180	7030	7640	4150	11800	e16000	4000	2710	e8000	3660	7130	2920
27	4530	7600	6150	5250	12000	e15300	4260	3120	e7000	3710	6910	2950
28	4950	4150	6570	5020	5020	e10000	5180	e2900	4630	4630	7230	4780
29	4630	1680	5380	4890	4520	e9000	4220	2800	5880	4520	3940	5780
30	5810	1520	5870	5180	---	e11000	3310	2730	8020	3860	3510	7110
31	5100	---	6240	3360	---	e14000	---	3060	---	4210	4800	---
TOTAL	117661	141150	149050	161870	137600	292480	197510	95590	178000	157170	187220	152090
MEAN	3796	4705	4808	5222	4745	9435	6584	3084	5933	5070	6039	5070
MAX	7430	7600	9680	7510	12000	16000	15500	4380	10400	8820	9050	7110
MIN	669	1520	1760	2950	1590	3560	2150	2320	2220	3340	2670	2280

e Estimated

SAVANNAH RIVER BASIN

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

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1989 - 1992, BY WATER YEAR (WY)

MEAN	6480	4028	7255	5562	8301	10800	5988	7623	4281	5332	6752	4984
MAX	11440	5462	15710	8438	19940	22590	9659	15420	6604	7963	12820	5249
(WY)	1990	1991	1990	1990	1990	1990	1991	1991	1991	1991	1991	1989
MIN	2772	1827	2535	2438	1886	1440	2652	1990	1847	3983	2689	4624
(WY)	1989	1989	1989	1989	1989	1989	1989	1989	1989	1989	1989	1990

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1989 - 1992	
ANNUAL TOTAL	2849951		1967391			
ANNUAL MEAN	7808		5375		6453	
HIGHEST ANNUAL MEAN	†8138		†5581		9510	
LOWEST ANNUAL MEAN					2612	
HIGHEST DAILY MEAN	25800		16000		36500	
LOWEST DAILY MEAN	669		669		65	
ANNUAL SEVEN-DAY MINIMUM	1410		1410		103	
INSTANTANEOUS PEAK FLOW			Unknown		Oct 12 1990	
INSTANTANEOUS PEAK STAGE			Unknown		Oct 12 1990	
ANNUAL RUNOFF (CFSM)	1.09		.75		.90	
ANNUAL RUNOFF (INCHES)	14.83		10.24		12.26	
10 PERCENT EXCEEDS	15500		8300		14400	
50 PERCENT EXCEEDS	6400		4980		4840	
90 PERCENT EXCEEDS	2920		2650		1490	

† Adjusted for change in contents in Lake Burton, Mathis Reservoir, Hartwell Lake, Richard B. Russell Reservoir, and Thurmond Lake.

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 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 current year.

REMARKS.--Laboratory analyses 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 by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	TIME	GAGE HEIGHT (FEET)	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)
OCT 17...	0830	4.44	—	723	7.4	7.3	19.0	12.5	7.0	—
NOV 20...	1615	4.81	—	635	7.2	7.1	20.5	28.0	6.4	—
DEC 18...	1600	9.58	—	525	6.7	7.0	13.5	18.0	6.5	—
JAN 21...	1615	7.43	240	252	6.9	6.8	11.0	17.5	9.2	83
FEB 19...	0800	7.62	355	347	7.0	6.8	14.0	15.5	6.2	60
MAR 17...	1600	12.48	412	418	7.0	6.9	16.5	24.0	5.9	60
APR 21...	1430	6.93	395	368	6.6	6.9	23.0	29.0	3.9	46
MAY 12...	1500	4.97	650	660	7.2	7.1	24.0	27.0	4.2	50
JUN 17...	0745	11.15	385	395	7.1	6.9	24.0	23.0	1.1	13
JUL 22...	1645	5.85	505	566	—	7.1	27.0	25.5	2.4	30
AUG 18...	1500	6.84	250	250	6.8	6.9	26.0	31.0	2.8	34
SEP 15...	1500	8.17	426	487	7.0	6.9	25.0	30.0	2.3	28

DATE	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LITY WAT WH TOT FET LAB MG/L AS CACO3	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)
OCT 17...	9.0	4.6	3500	94	0.740	1.67	3.85	7.6
NOV 20...	24	5.4	17000	67	1.09	0.470	1.77	8.5
DEC 18...	9.0	3.8	790	61	0.600	0.440	1.39	8.4
JAN 21...	13	4.2	1300	31	0.860	1.67	0.990	8.9
FEB 19...	27	8.1	54000	55	0.600	3.27	3.70	9.1
MAR 17...	16	6.4	310	72	0.430	3.54	5.56	8.3
APR 21...	26	6.9	35500	63	0.350	3.60	4.60	14
MAY 12...	15	14	1000	97	0.170	2.48	14.7	16
JUN 17...	18	6.1	3300	61	0.210	0.080	3.90	10
JUL 22...	48	14	>240000	79	0.080	1.50	3.28	8.0
AUG 18...	23	5.8	>240000	42	0.310	2.14	1.16	11
SEP 15...	13	6.3	4900	72	0.240	2.56	1.57	10

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.

GAGE.--Data-collection platform. Datum of gage is 96.58 ft, National Geodetic Vertical Datum of 1929 (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, NGVD (levels by Southeastern Engineering Co.). Oct. 1, 1932 to Sept. 30, 1936, recording gage at Thirteenth Street Bridge at datum 104.56 ft, NGVD (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 fair, except those for periods of estimated daily discharges, 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.--85 years (1884-92, 1897-1906, 1926-92), 9,966 ft³/s, 18.03 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 (revised).

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7460	7770	5200	8010	5620	7710	17200	5450	5360	8310	e6400	8370
2	8770	8100	6000	7470	6400	8570	17400	5510	5600	8260	e5940	8420
3	8140	6430	7580	8100	6450	8670	17000	5800	9080	e8640	e5810	8400
4	6910	7870	6590	6450	6100	8050	16100	6010	5940	e8420	e6830	7940
5	7150	8850	7220	7390	5380	6630	11100	6460	5760	e7000	7240	7360
6	6070	9120	5670	7220	5110	7530	11000	e6040	5430	e6820	8410	e6930
7	6640	9130	5070	9590	5830	14000	e9070	e5840	6130	6780	7700	e6740
8	8180	7100	5690	8950	5140	18500	e7800	5730	6630	6510	5760	e6920
9	8770	7380	5710	7140	5150	14200	12400	4810	8920	7410	5620	e6550
10	7480	7460	5820	7090	5980	9910	9140	5640	8410	7530	5860	e6540
11	6810	7710	5300	8500	7460	7580	6240	5490	6830	5380	e7590	e6650
12	5250	7950	5330	6300	7720	8000	5660	6010	7780	5270	e8100	6520
13	5560	7380	4860	6980	6650	7310	5800	6090	7190	6070	e8620	6250
14	5750	7690	5230	9460	5560	6650	7140	6230	7420	6640	e10300	6860
15	6450	6930	5770	9290	5510	8530	6970	6280	7430	7080	e10200	8820
16	5680	6790	7680	7900	6400	8280	6150	5410	8610	6090	e8620	6480
17	5190	5990	9770	7750	8150	13800	5340	5210	10800	5850	e8020	5800
18	4450	6630	11700	6420	8930	15200	5440	6050	9150	4930	e8640	7560
19	4470	7150	11600	7520	8780	15600	6230	5340	e9600	4820	e8760	6980
20	4440	5690	9920	7680	8170	15600	6880	6240	e7000	e5110	e9680	5410
21	4230	6030	6200	9350	8160	e15400	7770	6560	e5800	e6140	e10800	6120
22	4000	6450	5850	8590	8280	e11600	9000	5380	e8000	e6230	e10600	8410
23	4940	6050	5940	8570	8680	e10900	9060	5190	e9000	e6450	e9600	8200
24	5720	5630	6450	8170	7720	15200	e6040	5330	e12000	e5600	e8100	7820
25	6350	6910	6710	6990	8430	17800	e5840	5090	e13000	e5200	e10200	5710
26	5980	8650	6680	7320	13400	18100	6790	5120	e11800	e5400	e9350	5710
27	5900	10100	7240	7870	14900	e18600	6590	5620	e10500	e5800	8910	e6320
28	7320	7260	7050	7770	9280	e15600	6810	5400	e8340	7260	8560	e6210
29	6770	5050	7400	7590	7660	e11000	7110	5650	e7390	7410	7380	e7260
30	8470	4800	8010	7700	---	e12000	6600	5230	8080	e7420	5750	8230
31	7640	---	8070	7450	---	e16300	---	5360	---	e6410	6190	---
TOTAL	196940	216050	213310	242580	217000	372820	261670	175570	242980	202240	249540	211490
MEAN	6353	7202	6881	7825	7483	12030	8722	5664	8099	6524	8050	7050
MAX	8770	10100	11700	9590	14900	18600	17400	6560	13000	8640	10800	8820
MIN	4000	4800	4860	6300	5110	6630	5340	4810	5360	4820	5620	5410

e Estimated

SAVANNAH RIVER BASIN

02197000 SAVANNAH RIVER AT AUGUSTA, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1925 - 1992, BY WATER YEAR (WY)

MEAN	7098	6951	9132	11540	12740	14650	13530	9147	7787	7186	7561	6806
MAX	42170	21250	27390	40950	29050	52440	58700	27050	22830	15870	29970	35850
(WY)	1930	1949	1933	1936	1948	1929	1936	1964	1973	1941	1928	1929
MIN	2325	2614	3751	4084	4812	5637	5172	3427	3258	3001	1706	1453
(WY)	1942	1932	1953	1953	1938	1988	1988	1927	1925	1925	1925	1925

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1925 - 1992	
ANNUAL TOTAL	3652300		2802190		9532	
ANNUAL MEAN	10010	†10340	7656	†7862	16580	1964
HIGHEST ANNUAL MEAN					5344	1988
LOWEST ANNUAL MEAN					315000	Oct 3 1929
HIGHEST DAILY MEAN	27600	May 7	18600	Mar 27	1040	Oct 2 1927
LOWEST DAILY MEAN	4000	Oct 22	4000	Oct 22	1170	Aug 23 1925
ANNUAL SEVEN-DAY MINIMUM	4530	Oct 17	4530	Oct 17	350000	Oct 3 1929
INSTANTANEOUS PEAK FLOW			22100	Mar 27	a46.30	Sep 27 1929
INSTANTANEOUS PEAK STAGE			16.29	Mar 27		Sep 24 1939
INSTANTANEOUS LOW FLOW	b648				1.27	
ANNUAL RUNOFF (CFSM)	1.33	†1.38	1.02	†1.05	17.25	
ANNUAL RUNOFF (INCHES)	18.10	†18.70	13.88	†14.22	17400	
10 PERCENT EXCEEDS	16500		10400		6830	
50 PERCENT EXCEEDS	8560		7120		4050	
90 PERCENT EXCEEDS	5650		5380			

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1883 - 1906, BY WATER YEAR (WY)(PRIOR TO REGULATION)

MEAN	6747	6813	9360	13470	19880	19630	13610	8642	9586	9255	10340	9803
MAX	19540	19510	19270	28670	39560	43060	25380	19570	22700	19480	35030	47850
(WY)	1891	1889	1906	1906	1903	1891	1901	1886	1900	1906	1887	1888
MIN	2079	2903	4263	5137	4929	6298	5298	4292	3574	2811	2804	2321
(WY)	1905	1885	1884	1890	1898	1898	1896	1904	1898	1883	1883	1883

SUMMARY STATISTICS WATER YEARS 1883 - 1906

ANNUAL MEAN	11580	
HIGHEST ANNUAL MEAN	15450	1901
LOWEST ANNUAL MEAN	5836	1904
HIGHEST DAILY MEAN	297000	Sep 11 1888
LOWEST DAILY MEAN	1450	Oct 9 1904
ANNUAL SEVEN-DAY MINIMUM	1880	Oct 14 1904
INSTANTANEOUS PEAK FLOW	303000	Sep 11 1888
INSTANTANEOUS PEAK STAGE	38.70	Sep 11 1888
ANNUAL RUNOFF (CFSM)	1.54	
ANNUAL RUNOFF (INCHES)	20.96	
10 PERCENT EXCEEDS	22200	
50 PERCENT EXCEEDS	7060	
90 PERCENT EXCEEDS	3400	

† Adjusted for change in contents in Lake Burton, Mathis Reservoir, Hartwell Lake, Richard B. Reservoir, and Thurmond Lake.

a At site and datum then in use.

b 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 current year.

REMARKS.--Laboratory analyses 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 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, 26.5°C, Aug. 14-17, 1981; minimum, 4.5°C, Feb. 19, 20, 1979.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURE: Maximum, 24.5°C, Sept. 12, 13; minimum, 9.0°C, Jan. 19-22.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	TIME	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)
OCT 17...	0745	5470	65	57	7.1	7.0	18.5	12.5	8.0	86
NOV 20...	1700	5940	62	59	7.2	7.0	17.0	27.5	9.7	100
DEC 18...	1630	11200	58	59	6.9	7.1	13.0	18.0	8.8	83
JAN 21...	1700	8390	57	56	7.3	7.1	10.0	17.0	11.2	99
FEB 19...	0845	8870	57	59	7.3	7.0	10.5	16.0	10.6	95
MAR 17...	1630	14200	49	51	7.4	7.1	12.0	24.5	9.2	85
APR 21...	1530	8100	67	58	6.8	6.9	17.5	29.0	8.8	93
MAY 12...	1600	6080	65	59	7.4	7.1	18.0	28.0	8.0	85
JUN 17...	0815	12500	65	55	7.4	7.0	19.5	23.5	8.0	87
JUL 22...	1715	—	65	55	7.3	7.0	22.0	25.5	7.6	87
AUG 18...	1600	—	73	57	7.0	6.8	22.0	31.5	6.8	78
SEP 15...	1600	9310	—	54	7.2	6.9	22.0	30.5	7.3	—

DATE	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LITY WAT WH TOT FET LAB MG/L AS CACO3	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)
OCT 17...	2.0	1.2	330	17	0.160	0.220	0.060	2.8
NOV 20...	2.0	0.8	230	16	0.200	0.080	0.120	3.1
DEC 18...	4.0	0.9	40	15	0.230	0.080	0.060	4.4
JAN 21...	3.0	0.3	170	16	0.250	0.060	0.080	3.8
FEB 19...	6.0	1.0	70	16	0.170	0.100	0.040	4.5
MAR 17...	8.0	0.8	150	15	0.150	0.070	0.070	2.6
APR 21...	4.0	0.9	790	14	0.180	0.170	0.120	2.8
MAY 12...	2.0	0.8	20	18	0.190	0.050	0.070	3.0
JUN 17...	13	1.1	50	13	0.160	2.90	0.090	2.0
JUL 22...	1.0	2.1	20	15	0.150	0.130	<0.020	2.0
AUG 18...	6.0	6.0	230	17	0.170	0.140	0.030	4.0
SEP 15...	3.0	0.8	80	16	0.110	0.030	0.050	3.0

SAVANNAH RIVER BASIN

02197000 SAVANNAH RIVER AT AUGUSTA, GA.--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	21.5	21.0	19.5	19.0	16.0	15.0	--	--	--	--	--	--
2	21.5	21.0	19.5	19.0	17.0	16.0	--	10.5	--	--	--	--
3	21.5	21.0	19.0	18.0	17.0	16.5	11.5	10.5	--	--	--	--
4	22.5	21.0	18.0	16.5	16.5	14.5	11.5	11.5	--	--	--	--
5	23.0	22.0	16.5	16.0	14.5	12.5	11.5	11.0	--	--	13.5	12.5
6	23.0	22.0	16.5	16.0	12.5	12.0	11.5	11.0	--	--	13.5	13.0
7	22.0	20.5	17.0	16.5	12.5	12.5	11.5	11.0	--	--	14.5	12.5
8	20.5	19.5	16.5	16.0	13.0	12.5	11.0	11.0	--	--	15.0	13.5
9	20.5	19.5	16.0	14.5	13.5	13.0	11.5	10.5	--	--	15.5	14.5
10	21.0	20.0	14.5	14.0	14.5	13.5	11.5	11.0	--	--	15.0	14.5
11	21.0	20.5	14.0	13.5	15.0	14.5	11.0	10.0	--	--	14.5	12.5
12	21.0	20.5	15.5	14.0	14.5	14.0	10.5	10.0	--	--	12.5	11.0
13	21.0	20.5	15.5	15.0	14.5	14.0	11.0	10.5	--	--	12.5	11.0
14	20.5	20.5	15.5	15.0	14.5	14.0	12.0	11.0	--	--	12.5	12.0
15	20.5	20.0	16.0	15.0	14.0	13.5	11.5	10.5	--	--	12.5	11.5
16	20.5	20.0	16.0	15.5	13.5	12.5	10.5	9.5	--	--	12.5	11.5
17	20.0	19.0	16.5	16.0	12.5	12.0	--	--	--	--	12.0	11.5
18	19.5	19.0	16.5	16.0	12.5	12.0	--	--	--	--	12.0	11.5
19	20.0	19.0	16.0	16.0	12.5	12.0	9.5	9.0	--	--	13.0	11.5
20	20.0	19.5	16.5	16.0	--	--	9.5	9.0	--	--	13.0	11.5
21	20.0	19.5	17.5	16.5	--	--	9.5	9.0	--	--	12.0	11.5
22	20.5	19.5	17.5	17.5	--	--	10.0	9.0	--	--	12.5	12.0
23	20.5	20.0	17.5	17.0	13.0	12.0	--	--	--	--	12.5	12.0
24	21.0	20.5	17.0	15.5	13.0	13.0	--	--	--	--	12.5	12.0
25	21.5	21.0	15.5	14.0	--	--	--	--	--	--	12.5	11.5
26	21.5	21.0	14.0	13.0	--	--	--	--	--	--	12.0	11.5
27	21.5	21.0	13.5	13.0	12.0	11.0	--	--	--	--	12.5	11.5
28	21.5	21.0	13.5	13.0	11.5	11.0	--	--	--	--	13.0	12.0
29	21.5	20.5	14.0	13.5	11.0	11.0	--	--	--	--	--	--
30	21.0	19.5	15.0	14.0	11.0	10.5	--	--	--	--	--	--
31	19.5	19.0	--	--	11.0	10.5	--	--	--	--	13.5	12.5
MONTH	23.0	19.0	19.5	13.0	17.0	10.5	12.0	9.0	--	--	15.5	11.0

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, 0.5 mi downstream from Spirit Creek, 50 ft upstream from the Federal Paperboard outfall, 10 mi southwest of Augusta, and at mile 182.5.

DRAINAGE AREA.--7,630 mi².

PERIOD OF RECORD.--July 1990 to current year.

REMARKS.--Laboratory analyses 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 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 1991 TO SEPTEMBER 1992

DATE	TIME	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)
OCT 17...	0930	5330	82	78	7.3	7.0	19.5	15.5	9.7	106
NOV 20...	1530	5880	67	70	7.2	7.1	17.0	28.0	11.3	117
DEC 18...	1500	14800	60	60	7.0	7.3	12.5	18.0	11.7	110
JAN 21...	1530	8840	63	66	7.0	7.3	10.0	17.5	12.3	109
FEB 19...	0930	8850	63	64	7.1	7.0	10.5	19.0	12.2	109
MAR 17...	1500	13700	57	53	7.2	7.1	12.0	24.0	9.2	85
APR 21...	1345	8160	85	72	6.7	6.9	19.0	28.5	9.9	108
MAY 12...	1400	6170	81	81	7.3	7.1	19.0	27.0	9.2	99
JUN 17...	0915	12500	74	60	7.0	7.0	19.5	25.0	8.6	93
JUL 22...	1615	-	76	69	7.0	6.9	22.0	25.5	8.9	102
AUG 18...	1430	-	-	67	7.0	6.8	22.0	31.0	8.1	-
SEP 15...	1430	-	84	58	7.1	7.1	22.0	30.0	8.6	98

DATE	TUR- BID- ITY (NTU)	OXYGEN DEMAND, CHEM- ICAL (LOW LEVEL) (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LINITY WAT WH TOT FET LAB MG/L AS CACO3	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L)
OCT 17...	2.0	13	1.2	1100	13	2
NOV 20...	3.0	12	0.9	490	18	2
DEC 18...	5.0	<5	1.5	80	18	7
JAN 21...	4.0	6	0.6	110	18	2
FEB 19...	6.0	5	1.6	330	17	4
MAR 17...	8.0	11	0.8	80	16	9
APR 21...	4.0	<5	0.7	2300	19	3
MAY 12...	3.0	6	1.9	50	19	3
JUN 17...	11	5	0.9	1700	17	11
JUL 22...	2.0	-	1.9	92000	14	-
AUG 18...	6.0	<5	1.6	1600	17	4
SEP 15...	3.0	20	1.1	110	17	2

SAVANNAH RIVER BASIN

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	NITRO- GEN, NO ₂ +NO ₃ TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 17...	0.200	0.260	0.14	0.40	0.60	0.120	7.0
NOV 20...	0.200	0.060	0.24	0.30	0.50	0.110	3.3
DEC 18...	0.180	0.090	0.11	0.20	0.38	0.060	3.2
JAN 21...	0.220	0.080	0.32	0.40	0.62	0.080	4.0
FEB 19...	0.190	0.210	0.19	0.40	0.59	0.090	3.5
MAR 17...	0.150	0.090	—	<0.10	—	0.130	2.7
APR 21...	0.200	0.210	0.19	0.40	0.60	0.240	3.0
MAY 12...	0.190	0.130	0.27	0.40	0.59	0.320	3.0
JUN 17...	0.210	0.080	0.22	0.30	0.51	0.130	2.0
JUL 22...	0.160	0.140	—	—	—	0.140	3.0
AUG 18...	0.200	0.200	0.10	0.30	0.50	0.090	4.0
SEP 15...	0.130	0.090	0.01	0.10	0.23	0.110	3.0

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.

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, National Geodetic Vertical Datum of 1929.

REMARKS.--Records good. 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.

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, 18,800 ft³/s, Mar. 27; gage height, 16.26 ft; minimum daily discharge, 4,610 ft³/s, Oct. 22.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7360	7570	5570	9210	7140	8630	16700	6620	5590	8940	7380	7670
2	8240	8090	5770	8520	6930	8960	17500	5840	5570	9090	6790	8740
3	8900	7510	7410	8710	6620	9360	17900	6180	7610	9640	6250	8770
4	7840	6670	7460	7970	7140	9170	17900	6210	8450	9410	6590	8850
5	7240	8730	7700	8420	6320	8230	16600	6630	6340	7810	7510	8130
6	6860	9100	7250	7280	5770	7440	13500	6620	6250	7310	8940	8120
7	6530	9400	5700	9440	6270	11000	12900	6390	6140	7670	8610	7870
8	7110	8970	5810	10100	5970	16300	13900	6420	6330	8170	6990	8080
9	8930	6690	6170	9040	5740	17500	14000	5680	8800	8710	6390	7800
10	8240	8520	6260	7750	5680	15700	11900	5540	9660	8780	6490	7520
11	7880	7520	6020	8400	7270	11200	8880	5920	9190	7270	7990	7510
12	6180	8770	5770	8520	7930	9140	6400	5920	8040	6390	8600	7640
13	5750	7980	5590	6790	7880	8870	6230	6210	8780	7000	9030	7440
14	5890	7930	5540	9820	6620	7600	6700	6390	8440	7700	10800	7180
15	6360	7610	5800	10900	5830	8630	7360	6510	8640	8270	10700	8580
16	6410	7150	7200	10100	6830	8880	6980	6080	9090	7680	8940	8800
17	5920	6910	8520	8890	7420	11300	6140	5460	10800	7260	8450	6740
18	5350	6160	11100	8000	9430	14900	5750	6280	9960	6910	9090	7120
19	5030	7430	12200	7930	9810	16100	6100	5490	9020	6290	9270	8320
20	4960	6760	11600	8490	9490	16700	7120	5830	7760	6280	10900	6880
21	4970	6270	8950	9910	8580	16900	7330	6720	6930	6850	12200	6110
22	4610	6530	6350	9750	8800	15400	9090	6180	7660	7070	12000	8080
23	4910	6690	6360	9630	9260	13000	10000	5440	9730	7320	10200	8930
24	5780	6140	6630	9760	10200	13500	9820	5480	12000	6830	9210	8970
25	6050	6160	7070	8350	8680	16200	8680	5340	12600	6630	9880	7860
26	6580	8170	7470	8790	12200	17600	7900	5500	12800	6360	9800	6850
27	6140	9910	7820	7910	15200	18500	7020	5800	12200	6430	9530	6760
28	6220	9570	7660	8760	14800	18200	7370	5850	9900	6700	9420	6540
29	7290	6410	8730	8520	10400	16200	7280	5710	7870	7330	8880	7670
30	7560	5470	8910	8370	---	13900	7420	5790	8050	7380	7170	8680
31	8150	---	9310	8560	---	15100	---	5650	---	7300	6410	---
TOTAL	205240	226790	229700	272590	240210	400110	302370	185680	260200	232780	270410	234210
MEAN	6621	7560	7410	8793	8283	12910	10080	5990	8673	7509	8723	7807
MAX	8930	9910	12200	10900	15200	18500	17900	6720	12800	9640	12200	8970
MIN	4610	5470	5540	6790	5680	7440	5750	5340	5570	6280	6250	6110
WTR YR 1992	TOTAL 3060290		MEAN 8361		MAX 18500		MIN 4610					

SAVANNAH RIVER BASIN

02197320 SAVANNAH RIVER NEAR JACKSON, S.C.--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 1972 to current year.

PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: October 1971 to current year.

INSTRUMENTATION.--Data-collection platform.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: Maximum, 28.5°C Aug. 23, 1989; minimum, 4.5°C Jan. 19, 20, 22, 23, Feb. 1, 1977, Feb. 9, 1978, Jan. 12, 1982.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURES: Maximum, 25.5°C July 29; minimum, 8.0°C Jan. 20.

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	22.0	21.0	19.5	19.0	16.0	14.5	10.5	10.5	12.0	11.0	14.0	13.0
2	22.0	21.5	19.5	19.0	17.0	16.0	11.0	10.5	11.5	10.5	14.0	13.0
3	22.0	21.5	19.0	18.0	17.5	17.0	11.5	11.0	11.5	10.5	14.0	13.0
4	22.5	21.5	18.0	17.0	17.0	14.5	11.5	11.0	11.5	10.5	14.5	13.5
5	23.0	22.0	17.0	15.5	14.5	13.0	11.5	11.0	11.5	11.0	14.5	14.0
6	23.0	22.5	16.0	15.5	13.0	12.0	12.0	11.0	11.5	10.5	15.0	14.5
7	22.5	21.0	16.0	15.5	12.5	11.5	11.5	11.0	11.0	10.5	14.5	14.0
8	21.0	20.0	16.0	15.5	12.5	12.0	11.5	11.0	11.0	10.0	15.0	13.5
9	20.5	19.0	15.5	14.5	14.0	12.5	11.5	11.5	10.5	9.5	16.5	14.5
10	20.5	20.0	14.5	14.0	14.5	14.0	11.5	11.5	10.0	9.5	16.5	16.0
11	21.0	20.0	14.0	13.5	14.5	14.0	11.5	11.0	10.0	9.5	16.0	14.0
12	21.0	20.0	14.0	13.5	14.5	14.0	11.0	10.5	10.5	9.5	14.0	13.0
13	21.0	20.0	15.0	14.0	15.0	14.5	12.0	11.0	11.0	10.5	13.0	12.5
14	20.5	20.0	15.0	14.5	15.0	14.5	12.0	11.5	12.0	11.0	14.0	12.5
15	20.5	20.0	15.5	15.0	14.5	13.5	11.5	11.0	12.5	12.0	13.5	12.5
16	20.5	20.0	16.0	15.5	13.5	12.5	11.0	9.0	13.0	12.0	13.0	12.0
17	20.0	19.0	16.5	16.0	12.5	11.5	9.0	8.5	13.0	12.0	12.5	12.5
18	19.5	19.0	16.5	16.0	12.0	11.5	9.5	8.5	12.0	11.5	12.5	12.0
19	19.5	18.5	17.0	16.5	12.0	11.0	9.0	8.5	12.5	11.5	13.0	12.5
20	19.5	18.5	17.0	16.5	11.0	10.5	9.0	8.0	12.5	11.5	13.0	13.0
21	19.5	19.0	17.5	17.0	11.5	10.5	9.0	8.5	12.5	12.0	13.0	12.5
22	20.0	19.0	18.0	17.5	12.5	11.5	10.0	9.0	12.0	11.5	12.5	12.0
23	20.5	19.5	18.0	17.0	13.0	12.5	11.0	10.0	12.5	12.0	13.0	12.5
24	21.0	20.5	17.5	16.5	13.5	13.0	11.0	10.5	14.0	12.5	13.0	12.5
25	21.5	20.5	16.5	15.0	13.0	12.5	10.5	9.5	14.5	14.0	13.0	12.5
26	21.5	21.0	15.0	13.5	13.0	12.5	10.0	9.5	14.0	13.5	12.5	12.0
27	21.5	21.5	13.5	12.5	12.5	12.0	10.5	9.5	13.5	12.5	13.0	12.0
28	21.5	21.0	13.5	12.5	12.0	11.0	11.0	10.0	13.0	12.5	13.0	12.5
29	21.5	21.0	15.0	13.5	11.0	10.5	11.5	10.5	13.5	12.5	13.0	12.5
30	21.0	20.0	15.0	14.0	11.0	10.0	11.5	11.0	--	--	14.0	13.0
31	20.5	19.5	--	--	10.5	10.0	11.5	11.0	--	--	14.0	13.5
MONTH	23.0	18.5	19.5	12.5	17.5	10.0	12.0	8.0	14.5	9.5	16.5	12.0

SAVANNAH RIVER BASIN

02197320 SAVANNAH RIVER NEAR JACKSON, S.C.--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

[illegible]

SAVANNAH RIVER BASIN

02197370 SAVANNAH RIVER BELOW STEEL CREEK, NEAR MILLETT, S.C.

LOCATION.--Lat 33°04'58", long 81°35'54", Allendale County, S.C.-Burke County, Ga., Hydrologic Unit 3060106, on left bank 2.8 mi downstream from Steel Creek, 12.6 mi upstream from Lower Three Runs, 3.7 mi west of Millett, and at mile 138.8.

PERIOD OF RECORD.--Water years 1972 to current year.

PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: October 1971 to current year.

INSTRUMENTATION.--U.S. Geological Survey mini-monitor and data- collection platform.

EXTREMES FOR PERIOD OF RECORD.--

WATER TEMPERATURE: Maximum, 31.5°C Sept. 7, 1982; minimum, 4.0°C Jan. 20, 1977.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURE: Maximum, 28.5°C, July 13; minimum, 7.5°C Jan. 19, 20.

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

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

SAVANNAH RIVER BASIN

02197370 SAVANNAH RIVER BELOW STEEL CREEK, NEAR MILLETT, S.C.-- Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

[illegible]

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 analyses 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 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 1991 TO SEPTEMBER 1992

DATE	TIME	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)
OCT 17...	1030	—	96	93	7.2	7.0	18.0	19.0	7.7	81
NOV 20...	1345	—	87	89	7.1	6.9	17.0	28.0	10.0	103
DEC 18...	1315	—	79	80	7.0	7.1	12.0	19.5	10.5	97
JAN 21...	1340	—	73	77	7.3	7.1	9.0	19.5	10.8	93
FEB 19...	1100	—	79	82	6.9	7.0	11.0	20.0	10.7	97
MAR 17...	1300	—	—	81	7.2	6.9	12.5	22.0	7.4	—
APR 21...	1200	—	91	80	6.8	6.8	20.0	26.0	7.3	81
MAY 12...	1230	—	87	—	7.2	—	19.0	28.5	8.5	91
JUN 17...	1200	11000	99	79	7.1	6.9	22.0	28.5	7.3	83
JUL 22...	1250	7000	91	87	6.8	6.8	24.0	32.0	6.9	82
AUG 18...	1230	9000	118	88	6.9	6.8	23.0	30.0	6.8	79
SEP 15...	1230	5500	111	85	6.5	7.0	23.0	28.5	7.4	86

DATE	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LITY WAT WH TOT FET LAB MG/L AS CACO3	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)
OCT 17...	25	6.0	1.7	110	20	0.220	0.230	0.100	4.4
NOV 20...	10	6.0	0.7	110	19	0.230	0.080	0.090	4.3
DEC 18...	20	8.0	0.6	130	18	0.240	0.040	0.080	3.7
JAN 21...	25	5.0	0.9	330	16	0.310	0.070	0.090	4.9
FEB 19...	30	7.0	1.1	790	18	0.230	0.100	0.140	4.4
MAR 17...	25	7.0	1.5	50	18	0.210	0.110	0.130	3.5
APR 21...	15	7.0	0.3	50	19	0.210	<0.030	0.110	5.7
MAY 12...	—	—	—	80	—	0.240	0.030	0.120	3.0
JUN 17...	40	10	0.6	50	18	0.290	0.060	0.140	3.0
JUL 22...	25	6.0	1.6	490	16	0.270	0.090	0.090	3.0
AUG 18...	40	17	1.4	1000	19	E0.330	0.130	0.160	4.0
SEP 15...	20	7.0	1.0	130	19	0.260	0.130	0.100	4.0

SAVANNAH RIVER BASIN

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

LOCATION.--Lat 32°56'20", long 81°30'10", Screven County, Ga.-Allendale County, S.C., Hydrologic Unit 03060106, on right bank 500 ft downstream of bridge on U.S. Highway 301, 2.0 mi downstream from Rocky Creek, 9.0 mi east of Millhaven, and at mile 118.7.

DRAINAGE AREA.--8,650 mi², approximately.

PERIOD OF RECORD.--October 1939 to September 1970, October 1982 to current year.

GAGE.--Data collection platform. Datum of gage is 54.42 ft, National Geodetic Vertical Datum of 1929.

REMARKS.--Records good. Flow regulated by Lake Burton, Mathis Reservoir, Hartwell Lake, Richard B. Russell Reservoir, and Thurmond Lake. (See "Lakes and Reservoirs in Savannah River Basin," stations 02178500, 02179500, 02187250, 02189004, and 02194500.)

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in October 1929 reached a stage of 30.8 ft, from information by Corps of Engineers, discharge, 220,000 ft³/s from rating curve extended above 141,000 ft³/s.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6710	8000	5760	9340	8350	12000	16800	7460	6290	9230	7510	6600
2	7580	7850	5910	9030	7120	9680	16800	6690	6100	10100	7420	7850
3	8590	8150	6320	8480	6960	9590	17100	6200	6280	10900	6870	8550
4	8840	7400	7720	8650	6850	9730	17500	6400	9030	11400	6340	8750
5	7880	7440	7680	7910	6930	9310	17900	6490	8730	10300	6710	8740
6	7450	8750	7870	8170	6380	8300	17900	6880	7370	8750	7680	8400
7	6890	9250	7130	7730	6090	8680	17000	6880	6790	7960	8770	8610
8	6770	9500	6040	9400	6490	12300	15700	6880	6850	8380	8280	8640
9	7610	8590	6140	9730	6100	14500	15100	6770	9210	8580	6970	8520
10	8700	7740	6340	8550	5900	15900	14600	5930	11500	9010	6510	7870
11	8150	8530	6410	7740	6110	16000	13200	5940	11700	8800	6840	7600
12	7600	8280	6110	8390	7410	13800	9850	6190	11400	7330	7980	7670
13	6230	8770	5930	e8500	7930	11100	7530	6380	11100	6850	8530	7650
14	5890	8190	5670	e10000	7600	9440	7040	6630	10800	7410	9250	7340
15	6000	8120	5690	e10700	6640	8210	7510	6820	10500	7960	11100	7350
16	6510	7720	6070	11100	6250	9000	7820	6880	10500	8370	11100	8630
17	6380	7380	7420	10100	7090	9320	7330	6360	10900	7740	9620	8040
18	5910	6970	8990	8890	8490	12100	6540	5930	12100	7520	9390	6730
19	5330	6770	11200	8000	10100	14000	6210	6500	10600	7270	9720	7340
20	5060	7500	12200	8360	10300	15000	6820	5970	10100	7080	10300	7730
21	4950	6850	11600	8820	9640	15900	7680	6420	8140	7380	11500	6580
22	4890	6610	8580	10100	8940	16400	8630	6970	7640	7670	13100	6340
23	4620	6850	6740	10100	9670	16400	10200	6330	8530	7960	12700	8050
24	4970	6840	6620	10200	11100	15300	10800	5770	10600	7820	11000	8650
25	5680	6380	6920	10000	11200	14800	10200	5750	12500	7410	9960	8620
26	6140	6820	7350	8720	10600	15700	9110	5690	13300	7070	10100	7450
27	6370	8470	7570	8640	13100	16600	8110	5950	13500	6760	9940	6820
28	6070	10000	7860	8420	14400	17400	7460	6240	12900	6770	9670	6610
29	6550	9000	8340	8730	14500	18100	7560	6090	10400	7060	9410	6600
30	7040	6620	9080	8540	---	18200	7600	6200	9000	7450	8510	7600
31	7820	---	9330	8470	---	17400	---	6360	---	7490	7020	---
TOTAL	205180	235340	232590	279510	248240	410160	333600	197950	294360	251780	279800	231930
MEAN	6619	7845	7503	9016	8560	13230	11120	6385	9812	8122	9026	7731
MAX	8840	10000	12200	11100	14500	18200	17900	7460	13500	11400	13100	8750
MIN	4620	6380	5670	7730	5900	8210	6210	5690	6100	6760	6340	6340

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 - 1992, BY WATER YEAR (WY)

MEAN	7200	7372	9381	12060	13220	16030	14690	10690	8112	8088	8388	7609
MAX	20150	22070	32410	33190	32430	33880	46240	29980	15960	19400	28040	20010
(WY)	1965	1948	1949	1946	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 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1940 - 1992	
ANNUAL TOTAL	4260790		3200440			
ANNUAL MEAN	11670	†12000	8744	†8950	10220	
HIGHEST ANNUAL MEAN					18320	1964
LOWEST ANNUAL MEAN					5790	1988
HIGHEST DAILY MEAN	28100	May 12	18200	Mar 30	138000	Aug 18 1940
LOWEST DAILY MEAN	4620	Oct 23	4620	Oct 23	2120	Sep 9 1951
ANNUAL SEVEN-DAY MINIMUM	5070	Oct 19	5070	Oct 19	2490	Sep 9 1951
INSTANTANEOUS PEAK FLOW			18300	Mar 30	141000	Aug 18 1940
INSTANTANEOUS PEAK STAGE			14.17	Mar 30	27.00	Aug 18 1940
ANNUAL RUNOFF (CFSM)	1.35	†1.39	1.01	†1.03	1.18	
ANNUAL RUNOFF (INCHES)	18.32	†18.84	13.76	†14.05	16.06	
10 PERCENT EXCEEDS	19700		12600		18800	
50 PERCENT EXCEEDS	9330		7970		7660	
90 PERCENT EXCEEDS	6260		6200		4950	

† 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 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 1991 TO SEPTEMBER 1992

DATE	TIME	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)
OCT										
17...	1230	6400	94	92	7.2	7.1	19.5	20.0	8.5	92
NOV										
20...	1315	7610	84	87	7.0	7.0	17.0	28.5	10.0	103
DEC										
18...	1230	8870	86	85	6.8	7.2	11.5	19.0	11.1	101
JAN										
21...	1315	8720	76	79	6.9	7.0	8.5	18.0	11.6	99
FEB										
19...	1130	10100	65	78	7.0	6.8	11.5	20.0	11.2	103
MAR										
17...	1230	9040	64	78	7.2	6.9	12.0	19.0	7.9	73
APR										
21...	1115	7770	98	87	6.7	7.0	20.0	26.0	8.9	98
MAY										
12...	1200	6180	86	85	7.2	6.9	18.5	28.5	7.9	84
JUN										
17...	1300	10900	97	85	7.1	7.1	21.5	29.0	7.1	80
JUL										
22...	1230	7670	88	85	6.8	6.9	24.5	32.0	6.8	81
AUG										
18...	1145	9400	102	90	7.0	6.8	22.5	29.0	6.6	76
SEP										
15...	1145	7290	105	87	7.1	6.9	23.0	23.5	7.1	82

DATE	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LITY WAT WH TOT FET LAB MG/L AS CACO3	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)
OCT									
17...	25	6.0	0.9	<20	20	0.200	0.210	0.120	3.8
NOV									
20...	10	6.0	0.7	<20	20	0.240	<0.030	0.080	4.1
DEC									
18...	20	5.0	0.4	330	20	0.280	0.090	0.090	4.5
JAN									
21...	25	6.0	0.8	110	17	0.360	0.040	0.090	4.9
FEB									
19...	35	8.0	1.2	65	16	0.230	0.090	0.100	4.5
MAR									
17...	20	8.0	1.0	<20	20	0.240	0.060	0.080	3.6
APR									
21...	15	8.0	0.5	50	20	0.240	0.030	0.120	3.5
MAY									
12...	25	8.0	1.7	80	18	0.270	<0.030	0.130	4.0
JUN									
17...	40	11	0.8	130	18	0.320	0.070	0.170	5.0
JUL									
22...	30	8.0	1.8	130	16	0.270	0.050	0.080	4.0
AUG									
18...	30	13	1.0	330	18	0.390	0.140	0.140	5.0
SEP									
15...	20	7.0	1.3	170	19	0.270	0.060	0.110	5.0

SAVANNAH RIVER BASIN

02197520 BRIER CREEK NEAR THOMSON, GA.

LOCATION.--Lat 33°22'06", long 82°28'06", McDuffie County, Hydrologic Unit 03060108, on downstream side of bridge on State Highway 17, 0.2 mi upstream from Sweetwater Creek, and 6.9 mi south of Thomson.

DRAINAGE AREA.--55mi², approximately.

PERIOD OF RECORD.--July 1967 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 300 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

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

EXTREMES OUTSIDE PERIOD OF RECORD.--A discharge of 0.007 ft³/s was measured on Oct. 14, 1954.

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)
Mar. 7	0200	*1,370	*11.29	No other peak greater than base discharge.			

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.2	3.3	12	14	30	61	61	14	4.1	10	6.9	9.5
2	3.4	4.1	9.0	13	26	53	49	12	3.8	224	5.6	8.3
3	3.7	4.0	14	31	25	50	42	11	12	234	4.6	11
4	e3.8	4.1	32	31	24	47	40	9.3	31	81	4.7	11
5	e3.5	4.0	14	20	25	49	36	8.1	12	39	3.8	102
6	e3.3	4.1	10	17	31	396	32	7.9	7.2	40	3.2	117
7	e3.2	4.2	8.7	14	28	751	45	10	5.2	23	3.4	61
8	e3.0	4.2	8.2	13	25	175	72	16	6.8	15	5.6	38
9	2.7	4.8	8.0	14	22	113	48	19	84	12	4.8	26
10	2.8	12	8.1	15	19	120	39	12	36	9.1	5.1	21
11	2.8	9.5	7.4	13	20	152	36	8.9	19	7.6	3.4	17
12	2.7	6.7	7.1	12	20	90	45	7.8	35	7.1	2.7	14
13	2.4	5.5	12	52	19	74	36	9.8	29	5.9	37	13
14	2.4	5.2	13	125	19	64	29	11	65	4.8	438	11
15	3.3	5.2	9.9	50	32	58	26	8.3	47	4.0	89	9.5
16	3.6	5.3	7.9	32	90	50	25	6.9	30	4.1	45	8.7
17	3.1	5.1	7.2	25	67	46	22	5.9	17	4.2	31	8.4
18	3.0	5.1	7.0	23	152	44	20	5.3	12	12	149	7.8
19	2.8	5.1	6.5	72	97	72	18	7.3	10	18	56	7.6
20	2.9	5.1	6.3	96	62	61	19	46	10	11	58	7.2
21	2.9	6.0	6.5	61	45	46	125	15	6.5	7.7	35	6.9
22	3.1	6.6	7.0	46	40	41	150	8.8	5.1	19	32	6.6
23	3.0	5.7	7.8	165	195	63	58	6.6	4.6	177	29	6.4
24	3.1	5.4	14	148	174	51	37	5.5	4.8	49	31	16
25	3.3	5.0	10	64	217	52	29	4.8	3.5	25	25	15
26	3.3	5.0	8.3	48	336	199	22	4.4	3.1	16	20	11
27	3.5	5.1	8.1	40	138	98	18	4.3	2.8	14	23	13
28	3.3	5.2	20	43	92	64	18	4.2	17	12	32	26
29	3.3	6.5	56	43	75	53	16	4.6	12	9.3	17	16
30	3.3	6.9	25	37	---	62	15	6.0	7.6	8.2	13	11
31	3.6	---	17	34	---	96	---	5.5	---	7.7	11	---
TOTAL	97.3	164.0	388.0	1411	2145	3351	1228	306.2	543.1	1110.7	1224.8	636.9
MEAN	3.14	5.47	12.5	45.5	74.0	108	40.9	9.88	18.1	35.8	39.5	21.2
MAX	3.8	12	56	165	336	751	150	46	84	234	438	117
MIN	2.4	3.3	6.3	12	19	41	15	4.2	2.8	4.0	2.7	6.4
CFSM	.06	.10	.23	.83	1.34	1.97	.74	.18	.33	.65	.72	.39
IN.	.07	.11	.26	.95	1.45	2.27	.83	.21	.37	.75	.83	.43

e Estimated

SAVANNAH RIVER BASIN

02197520 BRIER CREEK NEAR THOMSON, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1967 - 1992, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	12.6	15.6	42.5	88.5	101	123	77.6	34.1	16.4	15.3	13.7	9.42
MAX	78.3	71.2	177	196	237	366	225	119	56.2	84.9	71.8	55.9
(WY)	1991	1977	1977	1978	1979	1980	1983	1984	1981	1975	1969	1989
MIN	.65	1.06	3.18	6.95	30.1	19.4	8.81	4.45	2.13	1.42	.74	.74
(WY)	1988	1988	1979	1985	1968	1985	1986	1981	1985	1988, 90	1980	1968

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1967 - 1992	
ANNUAL TOTAL	21246.8		12606.0			
ANNUAL MEAN	58.2		34.4		45.6	
HIGHEST ANNUAL MEAN					76.2	
LOWEST ANNUAL MEAN					13.5	
HIGHEST DAILY MEAN	1150	Mar 3	751	Mar 7	3000	Mar 3 1971
LOWEST DAILY MEAN	2.4	Oct 13, 14	2.4	Oct 13, 14	.14	Jul 21 1986
ANNUAL SEVEN-DAY MINIMUM	2.7	Oct 8	2.7	Oct 8	.30	Jul 18 1986
INSTANTANEOUS PEAK FLOW			1370	Mar 7	4810	Mar 3 1971
INSTANTANEOUS PEAK STAGE			11.29	Mar 7	a18.09	Mar 3 1971
INSTANTANEOUS LOW FLOW			1.5	Oct 8	.14	Jul 21 1986
ANNUAL RUNOFF (CFSM)	1.06		.63		.83	
ANNUAL RUNOFF (INCHES)	14.37		8.53		11.27	
10 PERCENT EXCEEDS	122		74		101	
50 PERCENT EXCEEDS	30		14		14	
90 PERCENT EXCEEDS	3.7		3.6		1.6	

a From floodmark.

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.

PERIOD OF RECORD.--May 1958 to current year.

GAGE.--Water-stage recorder. Datum of gage is 282.56 ft above National Geodetic Vertical Datum of 1929 (levels by Georgia Department of Transportation).

REMARKS.--Records good. Discharge during growing season affected by undetermined amount of irrigation withdrawal. Moderate diurnal fluctuation at low flow.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 300 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Mar. 7	0200	*378	*5.81	July 3	0800	368	5.77

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13	17	18	16	17	21	22	13	13	14	13	13
2	14	17	17	15	17	20	20	13	12	96	11	12
3	14	17	29	23	16	19	20	12	14	268	10	15
4	14	17	31	19	16	19	21	12	20	105	9.9	37
5	13	16	20	16	17	19	19	12	16	40	9.6	128
6	13	16	18	15	19	138	18	13	14	28	9.8	47
7	12	16	17	14	19	216	24	13	13	22	10	32
8	13	16	17	14	17	70	25	15	12	19	10	23
9	13	18	17	14	16	47	23	16	15	17	9.8	18
10	14	24	17	14	15	40	19	14	15	15	9.2	17
11	14	19	16	14	15	36	23	13	48	14	8.7	16
12	15	17	16	13	15	30	25	13	30	13	10	16
13	14	16	16	38	15	28	20	13	20	e13	17	15
14	14	16	17	70	16	26	18	13	23	12	169	15
15	16	16	16	26	24	26	17	13	19	11	182	14
16	16	16	15	20	33	23	16	12	17	12	46	14
17	15	16	15	18	32	23	16	12	16	11	29	14
18	15	17	15	18	42	23	15	12	15	12	44	13
19	14	16	15	43	27	33	15	13	14	12	48	13
20	14	17	15	35	21	33	15	19	13	11	225	13
21	15	18	15	25	19	25	32	15	13	11	105	13
22	15	18	16	22	18	23	37	13	12	11	52	13
23	15	18	16	43	89	25	20	12	13	15	37	15
24	15	18	19	33	63	23	17	12	12	15	29	47
25	16	17	16	22	51	26	15	11	12	12	24	32
26	16	16	15	20	69	45	15	12	15	11	20	20
27	17	17	15	19	33	29	14	13	16	11	19	25
28	16	17	43	20	26	23	14	13	14	10	17	66
29	16	18	42	20	23	23	14	14	14	9.8	15	25
30	16	17	21	19	--	24	13	15	13	14	14	19
31	16	--	17	18	--	26	--	14	--	17	13	--
TOTAL	453	514	592	716	800	1182	582	410	493	881.8	1226.0	760
MEAN	14.6	17.1	19.1	23.1	27.6	38.1	19.4	13.2	16.4	28.4	39.5	25.3
MAX	17	24	43	70	89	216	37	19	48	268	225	128
MIN	12	16	15	13	15	19	13	11	12	9.8	8.7	12
CFSM	.52	.61	.68	.82	.99	1.36	.69	.47	.59	1.02	1.41	.90
IN.	.60	.68	.79	.95	1.06	1.57	.77	.54	.65	1.17	1.63	1.01

e Estimated

SAVANNAH RIVER BASIN

02197600 BRUSHY CREEK NEAR WRENS, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1958 - 1992, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	20.1	17.8	22.2	33.0	41.1	47.0	34.2	22.1	18.7	18.3	17.9	14.9
MAX	171	35.1	60.2	73.2	96.7	110	78.8	69.2	42.2	53.1	61.5	47.1
(WY)	1991	1965	1965	1987	1960	1980	1962	1964	1973	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 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1958 - 1992	
ANNUAL TOTAL	13367		8609.8		25.5	
ANNUAL MEAN	36.6		23.5		50.1	
HIGHEST ANNUAL MEAN					11.7	
LOWEST ANNUAL MEAN					3800	
HIGHEST DAILY MEAN	440	Mar 3	268	Jul 3	3.6	Oct 12 1990
LOWEST DAILY MEAN	12	Jul 13-15	8.7	Aug 11	a	Jul 22 1988
ANNUAL SEVEN-DAY MINIMUM	13	Oct 3	9.6	Aug 5	3.9	Jul 1 1990
INSTANTANEOUS PEAK FLOW			378	Mar 7	b	11400
INSTANTANEOUS PEAK STAGE			5.81	Mar 7	14.02	Oct 12 1990
ANNUAL RUNOFF (CFSM)	1.31		.84		.91	
ANNUAL RUNOFF (INCHES)	17.76		11.44		12.38	
10 PERCENT EXCEEDS	62		37		45	
50 PERCENT EXCEEDS	24		16		16	
90 PERCENT EXCEEDS	15		12		8.7	

a Also 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

02197830 BRIER CREEK NEAR WAYNESBORO, GA.

LOCATION.--Lat 33°07'05", long 81°57'50", Burke County, Hydrologic Unit 03060108, near left bank on downstream end of pier 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.--July 1969 to current year.

GAGE.--Water-stage recorder. Datum of gage is 173.78 ft above National Geodetic Vertical Datum of 1929.

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

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)
Mar. 10	0400	2,390	8.30	Aug. 17	0400	*2,930	*8.78
July 6	0700	1,990	7.89				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	208	232	290	e610	e600	1110	603	272	251	267	168	323
2	211	238	301	e600	e520	862	559	266	216	402	178	295
3	223	239	324	e600	e460	702	542	259	217	586	169	266
4	230	244	394	e580	e440	616	561	240	349	890	153	250
5	242	248	398	e540	413	565	523	220	317	1280	135	314
6	241	248	449	e510	403	635	465	217	293	1850	125	471
7	216	246	472	e470	420	932	450	237	322	1250	125	945
8	217	250	450	e450	431	1030	478	243	344	827	127	1050
9	218	269	e415	e420	432	1620	474	252	452	576	130	1030
10	214	314	e360	e410	415	2170	479	250	383	442	134	981
11	213	316	335	e400	402	1420	490	253	697	348	133	740
12	210	351	322	e470	381	1000	507	247	636	282	126	551
13	203	384	313	e580	364	825	469	235	661	245	218	429
14	197	374	309	e610	364	749	439	225	802	221	267	355
15	216	351	304	e620	392	742	410	208	783	226	340	316
16	277	326	300	e630	450	660	390	202	750	221	1180	292
17	277	307	305	e660	502	592	367	208	701	196	2610	273
18	260	288	313	e720	650	552	340	206	649	197	1680	260
19	238	282	307	e810	692	566	325	195	557	233	1070	256
20	232	285	296	e830	734	566	398	262	424	224	947	247
21	228	286	290	e760	703	570	419	262	309	220	866	239
22	227	287	286	e740	702	588	539	246	256	215	1070	237
23	224	290	288	e780	808	604	504	274	229	248	1420	258
24	224	288	315	e770	911	592	559	281	213	326	1080	306
25	226	281	347	e780	938	562	576	227	196	327	782	409
26	229	283	352	e760	1080	646	564	189	177	319	599	596
27	234	286	347	e750	1330	656	433	181	168	350	550	546
28	240	286	427	e740	1260	671	337	185	173	302	567	500
29	243	283	667	e750	1160	680	296	201	216	237	483	625
30	238	285	e645	e700	---	758	282	278	283	198	407	606
31	233	---	e640	e660	---	702	---	269	---	180	357	---
TOTAL	7089	8647	11561	19710	18357	24943	13778	7290	12024	13685	18196	13966
MEAN	229	288	373	636	633	805	459	235	401	441	587	466
MAX	277	384	667	830	1330	2170	603	281	802	1850	2610	1050
MIN	197	232	286	400	364	552	282	181	168	180	125	237
CFSM	.48	.61	.79	1.34	1.34	1.70	.97	.50	.85	.93	1.24	.98
IN.	.56	.68	.91	1.55	1.44	1.96	1.08	.57	.95	1.08	1.43	1.10

e Estimated

SAVANNAH RIVER BASIN

02197830 BRIER CREEK NEAR WAYNESBORO, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1969 - 1992, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	285	305	456	682	784	850	659	372	297	254	293	227
MAX	1508	507	1151	1208	1496	1797	1293	817	719	608	771	482
(WY)	1991	1976	1977	1978	1973	1971	1973	1991	1973	1975	1991	1975
MIN	102	181	192	273	342	338	234	140	106	74.2	92.7	84.1
(WY)	1988	1979	1989	1981	1989	1988	1985	1981	1986	1986	1990	1990

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1969 - 1992	
ANNUAL TOTAL	223866		169246		453	
ANNUAL MEAN	613		462		733	
HIGHEST ANNUAL MEAN					236	
LOWEST ANNUAL MEAN					12100	
HIGHEST DAILY MEAN	3850	Mar 6	2610	Aug 17	45	Oct 13 1990
LOWEST DAILY MEAN	196	Jul 15	125	Aug 6	49	Jul 1990
ANNUAL SEVEN-DAY MINIMUM	210	Oct 9	129	Aug 6	14500	Oct 13 1990
INSTANTANEOUS PEAK FLOW			2930	Aug 17	14.24	Oct 13 1990
INSTANTANEOUS PEAK STAGE			8.78	Aug 17	44	Jul 8, 9 1990
INSTANTANEOUS LOW FLOW			123	Aug 12	.96	
ANNUAL RUNOFF (CFSM)	1.30		.98		13.02	
ANNUAL RUNOFF (INCHES)	17.61		13.31		880	
10 PERCENT EXCEEDS	1090		804		321	
50 PERCENT EXCEEDS	532		351		131	
90 PERCENT EXCEEDS	239		214			

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 National Geodetic Vertical Datum of 1929. 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, except those for the periods of estimated daily discharges, which are fair. 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)
Mar. 12	0800	2,400	8.92	Aug. 19	0800	*2,950	*9.56
June 12	1500	2,320	8.61				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e280	302	359	790	777	1530	845	381	436	357	252	500
2	e290	302	367	723	668	1350	854	347	370	582	234	435
3	e300	302	383	734	623	1330	744	330	354	796	221	394
4	e305	304	441	722	596	1140	654	317	518	775	216	385
5	e305	304	456	680	574	925	612	305	457	811	207	405
6	e310	304	470	626	568	808	605	299	426	861	203	580
7	312	313	475	561	576	853	619	309	405	1190	205	643
8	310	315	472	537	549	893	625	343	399	1840	198	630
9	297	336	507	524	523	1120	584	348	1050	1560	191	867
10	294	410	525	512	512	1210	569	328	855	1080	185	1170
11	294	421	510	495	512	1700	579	314	1300	748	180	1120
12	291	416	478	462	507	2310	585	304	2050	539	177	1250
13	286	411	439	526	496	1800	581	303	1720	429	215	1070
14	279	405	416	727	483	1310	581	312	1370	353	264	755
15	276	424	402	731	477	1040	557	312	1110	298	442	565
16	281	440	390	724	524	890	511	298	1010	270	542	457
17	286	439	381	727	571	835	475	276	1030	281	506	397
18	308	420	374	751	740	794	450	262	1020	277	975	359
19	328	398	371	897	759	766	433	258	1010	276	2790	334
20	324	377	372	984	791	759	435	318	876	292	2150	317
21	310	364	376	998	816	716	478	325	751	363	1580	309
22	299	363	373	935	824	691	626	320	606	396	1300	305
23	297	362	374	880	1080	668	639	317	478	471	1250	294
24	296	363	381	947	1260	670	608	291	395	432	1410	317
25	294	355	385	925	1230	684	586	294	341	340	1700	357
26	296	353	388	964	1310	811	560	308	316	372	1460	423
27	299	349	414	953	1260	813	577	311	354	387	1110	435
28	295	350	483	886	1280	791	585	296	314	359	833	525
29	293	351	690	856	1460	772	539	281	299	354	671	609
30	291	356	740	885	---	765	437	299	457	348	617	551
31	299	---	792	906	---	808	---	414	---	297	586	---
TOTAL	9225	10909	13984	23568	22346	31552	17533	9720	22077	17734	22870	16758
MEAN	298	364	451	760	771	1018	584	314	736	572	738	559
MAX	328	440	792	998	1460	2310	854	414	2050	1840	2790	1250
MIN	276	302	359	462	477	668	433	258	299	270	177	294
CFSM	.46	.56	.70	1.18	1.19	1.58	.90	.49	1.14	.89	1.14	.86
IN.	.53	.63	.81	1.36	1.29	1.82	1.01	.56	1.27	1.02	1.32	.97

e Estimated

SAVANNAH RIVER BASIN

02198000 BRIER CREEK AT MILLHAVEN, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1937 - 1992, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	394	421	637	843	1007	1206	964	569	428	382	416	344
MAX	1814	1580	2091	1776	2709	2635	2304	1759	1211	1103	2817	1544
(WY)	1991	1948	1949	1964	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 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1937 - 1992	
ANNUAL TOTAL	297476		218276		632	
ANNUAL MEAN	815		596		1339	
HIGHEST ANNUAL MEAN					301	
LOWEST ANNUAL MEAN					22100	
HIGHEST DAILY MEAN	4030	Mar 7	2790	Aug 19	63	Aug 16 1940
LOWEST DAILY MEAN	276	Oct 15	177	Aug 12	64	Jul 10 1990
ANNUAL SEVEN-DAY MINIMUM	285	Oct 11	191	Aug 6	25400	Sep 1954
INSTANTANEOUS PEAK FLOW			2950	Aug 19	a17.40	Aug 16 1940
INSTANTANEOUS PEAK STAGE			9.56	Aug 19	62	Aug 16 1940
INSTANTANEOUS LOW FLOW			175	Aug 11	13.29	Jul 9, 10 1990
ANNUAL RUNOFF (CFSM)	1.26		.92		.98	
ANNUAL RUNOFF (INCHES)	17.13		12.57		13.29	
10 PERCENT EXCEEDS	1480		1090		1250	
50 PERCENT EXCEEDS	664		471		456	
90 PERCENT EXCEEDS	305		294		191	

a From graph based on gage readings.

SAVANNAH RIVER BASIN

02198000 BRIER CREEK AT MILLHAVEN, GA.--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--January 1970 to June 1979, September 1990 to current year.

REMARKS.--Laboratory analyses 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 by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	TIME	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)
NOV 20...	1230	374	108	114	6.6	6.8	15.0	27.0	9.2	91
JAN 21...	1230	1000	63	66	6.7	6.7	6.0	17.0	12.0	96
MAR 17...	1200	834	63	71	7.0	6.9	11.0	18.5	9.4	85
MAY 12...	1115	304	97	100	7.3	6.9	17.0	28.0	7.7	80
JUL 22...	1130	399	97	90	6.9	6.8	24.5	31.5	6.4	76
SEP 15...	1115	568	78	66	7.1	6.8	21.0	23.5	7.2	80

DATE	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LINITY WAT WH TOT FET LAB MG/L AS CACO3	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)
NOV 20...	20	4.0	0.8	20	18	0.050	<0.030	0.060	7.6
JAN 21...	50	8.0	1.1	330	11	0.130	<0.030	0.060	7.9
MAR 17...	70	8.0	0.8	50	15	0.120	0.040	0.090	7.0
MAY 12...	55	11	1.6	110	21	0.340	0.100	0.100	4.0
JUL 22...	35	10	1.8	490	16	0.200	<0.030	0.070	6.0
SEP 15...	-	8.0	1.4	330	19	0.120	1.24	0.090	10

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, 4.2 mi southwest of Sardis, and 0.8 mi downstream from Slough Branch.

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 National Geodetic Vertical Datum of 1929.

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)
June 12	0500	529	6.25	Sept. 5	2230	*556	*6.32

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.8	6.5	7.3	13	25	39	33	8.1	8.5	10	5.0	11
2	8.0	6.5	7.3	11	20	35	26	7.7	6.5	47	4.8	9.0
3	8.4	6.5	10	14	18	32	22	7.2	8.5	73	4.5	8.3
4	8.0	6.6	13	14	17	31	20	6.6	29	101	4.4	9.9
5	7.7	6.5	8.5	12	17	30	18	6.2	14	49	4.3	136
6	7.5	6.3	7.6	10	23	44	16	6.9	8.2	26	4.2	300
7	6.9	6.3	7.3	9.2	28	94	23	8.9	6.7	16	4.3	123
8	6.8	6.3	7.1	8.3	23	87	39	10	13	12	4.3	76
9	6.6	8.8	7.2	8.1	19	51	31	9.3	69	8.8	4.2	48
10	6.7	9.8	7.0	8.0	16	40	24	7.5	39	7.5	4.0	35
11	6.7	7.5	6.7	7.6	14	39	37	6.4	254	6.5	3.9	28
12	6.5	6.9	6.6	7.4	14	33	58	5.8	396	6.0	4.0	24
13	6.2	6.7	7.3	41	13	29	31	5.8	165	5.5	4.6	20
14	6.0	6.6	7.0	71	14	25	23	6.3	91	5.2	5.9	16
15	6.4	6.5	6.7	45	18	24	18	6.0	86	5.0	11	14
16	6.5	6.4	6.3	31	37	22	16	5.5	53	5.5	10	12
17	6.2	6.5	6.1	20	51	20	14	5.2	40	5.9	8.6	11
18	6.1	6.5	6.1	17	113	20	12	5.0	33	5.4	30	10
19	6.0	6.6	6.0	45	78	48	11	5.3	24	5.7	18	9.6
20	6.0	6.6	5.9	44	49	65	26	16	19	9.5	14	9.1
21	6.1	7.2	6.1	37	34	44	54	7.5	15	42	21	8.8
22	6.2	7.5	6.2	27	29	31	68	5.7	15	55	94	8.6
23	6.2	7.4	9.2	58	141	30	55	5.2	13	80	169	8.6
24	6.3	7.1	8.0	66	197	27	27	4.8	11	20	216	14
25	6.3	6.9	6.4	47	134	28	18	4.7	9.3	11	68	14
26	6.5	7.1	6.3	32	120	94	13	4.7	8.2	8.5	44	12
27	6.9	6.9	6.9	26	85	70	11	4.9	12	7.2	33	12
28	6.5	6.9	25	25	58	41	10	5.2	10	6.9	31	20
29	6.4	7.1	47	30	46	30	9.4	5.7	8.8	6.1	31	16
30	6.4	7.2	26	28	—	32	8.7	12	8.0	5.5	21	12
31	6.4	—	18	29	—	40	—	17	—	5.1	14	—
TOTAL	207.2	208.2	312.1	841.6	1451	1275	772.1	223.1	1473.7	657.8	896.0	1035.9
MEAN	6.68	6.94	10.1	27.1	50.0	41.1	25.7	7.20	49.1	21.2	28.9	34.5
MAX	8.4	9.8	47	71	197	94	68	17	396	101	216	300
MIN	6.0	6.3	5.9	7.4	13	20	8.7	4.7	6.5	5.0	3.9	8.3
CFSM	.22	.23	.33	.88	1.62	1.34	.84	.23	1.59	.69	.94	1.12
IN.	.25	.25	.38	1.02	1.75	1.54	.93	.27	1.78	.79	1.08	1.25

SAVANNAH RIVER BASIN

02198100 BEAVERDAM CREEK NEAR SARDIS, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1986 - 1992, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	27.3	11.5	14.3	52.1	48.0	58.7	37.1	22.0	18.5	11.4	33.6	11.6
MAX	135	33.4	25.4	111	98.7	129	67.5	92.8	49.1	34.3	179	34.5
(WY)	1991	1991	1987	1987	1987	1991	1991	1991	1992	1991	1991	1992
MIN	3.49	5.63	5.16	8.97	9.82	12.9	12.3	5.06	3.23	3.18	3.07	3.28
(WY)	1988	1988	1988	1988	1989	1988	1990	1990	1990	1986	1988	1990

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1986 - 1992	
ANNUAL TOTAL	22947.5		9353.7		29.4	
ANNUAL MEAN	62.9		25.6		76.7	
HIGHEST ANNUAL MEAN					9.69	
LOWEST ANNUAL MEAN					2160	
HIGHEST DAILY MEAN	2160	Aug 2	396	Jun 12	2160	Aug 2 1991
LOWEST DAILY MEAN	5.6	Sep 24	3.9	Aug 11	2.6	Aug 20 1988
ANNUAL SEVEN-DAY MINIMUM	6.1	Dec 16	4.1	Aug 6	2.6	Jul 1990
INSTANTANEOUS PEAK FLOW			556	Sep 5	unknown	Aug 2 1991
INSTANTANEOUS PEAK STAGE			6.32	Sep 5	8.38	Aug 2 1991
INSTANTANEOUS LOW FLOW			3.8	Aug 10-12	2.4	Aug 20 1982
ANNUAL RUNOFF (CFSM)	2.04		.83		.95	
ANNUAL RUNOFF (INCHES)	27.72		11.30		12.96	
10 PERCENT EXCEEDS	143		55		58	
50 PERCENT EXCEEDS	28		11		8.2	
90 PERCENT EXCEEDS	6.5		5.9		3.5	

SAVANNAH RIVER BASIN

02198500 SAVANNAH RIVER NEAR CLYO, GA.
(National stream-quality accounting network station)
(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. Monthly discharge only for some periods, published in WSP 1303. 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, National Geodetic Vertical Datum of 1929. 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 those for the period of estimated daily discharge, which are fair. 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 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8070	8140	8250	10000	10500	14300	17100	8350	6750	11200	8070	9500
2	8020	8570	6970	10300	10300	14800	17500	8200	6710	10500	8070	8380
3	8510	8560	6750	10300	9560	14500	17600	7560	6630	10700	8000	8730
4	9230	8680	7030	10000	8900	13600	17500	6930	6990	11300	7700	9370
5	9680	8370	7930	9860	8560	12700	17400	6820	8570	11900	7100	9810
6	9320	8120	8360	9500	8520	12000	17200	6860	9290	12100	7080	10100
7	8690	8910	8510	9330	8210	11200	17300	7110	8530	11400	7820	10000
8	8160	9480	8190	9080	7840	10700	17400	7250	7730	10400	8760	10000
9	7840	9860	7280	9730	7910	11400	17400	7220	7660	9900	8770	10100
10	8270	9680	7040	10300	7730	12500	17200	7140	9010	10100	87780	10200
11	9130	8910	7160	9930	7450	13400	16800	6630	10800	10500	7150	9850
12	9160	9100	7230	9150	7440	14200	16400	6380	12000	10500	7170	9630
13	8710	9110	7100	9360	8270	14900	15500	6510	12900	9500	7960	9650
14	7650	9380	6920	9730	8900	15300	13100	6650	13700	8370	8640	9650
15	7010	9210	6710	9530	8900	14900	10300	6840	14400	8230	9350	9460
16	6960	9000	6600	10500	8220	13400	9190	7010	14700	8550	10600	9240
17	7180	8720	6810	11300	7770	11900	9070	7080	14400	8890	11300	9670
18	7240	8360	7710	11500	8570	11200	8670	6780	13700	8660	11500	9630
19	6930	7980	8870	11100	9690	11500	7890	6390	13300	8540	11300	8550
20	6450	7680	10100	10400	10900	12400	7480	6590	13000	8270	11600	8370
21	6100	8080	11000	10000	11600	13100	7840	6410	12400	8030	12300	8760
22	5960	7850	11400	10300	11700	13800	9070	6570	11200	8080	13100	8090
23	5890	7470	10500	11000	11400	14500	9860	7020	9770	8360	13900	7600
24	5710	7510	8570	11600	11400	15100	10600	6760	9520	8610	14500	8760
25	5800	7530	7650	11800	11900	15600	11200	6260	10300	8680	14600	9520
26	6300	7240	7650	11900	12600	15900	11200	6090	11200	8390	14100	9700
27	6750	7380	7990	11400	12900	16000	10700	6010	11800	8040	13300	9110
28	7050	8520	8320	10900	13200	16000	9690	6140	12200	7670	12800	8340
29	6930	9650	8730	10700	13700	16000	8760	6390	12500	7540	12300	8000
30	7100	9750	9120	10800	---	16300	8420	6490	12200	7670	11800	7910
31	7580	---	9680	10700	---	16700	---	6630	---	7980	11000	---
TOTAL	233380	256800	252130	322000	284540	429800	385340	211070	323860	288560	319420	275680
MEAN	7528	8560	8133	10390	9812	13860	12840	6809	10800	9308	10300	9189
MAX	9680	9860	11400	11900	13700	16700	17600	8350	14700	12100	14600	10200
MIN	5710	7240	6600	9080	7440	10700	7480	6010	6630	7540	7080	7600

e Estimated

SAVANNAH RIVER BASIN

02198500 SAVANNAH RIVER NEAR CLYO, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1930 - 1992, BY WATER YEAR (WY)

MEAN	9130	8569	10880	13920	15530	18080	17530	11880	9664	8797	9057	8057
MAX	83660	26510	39150	34230	37320	34780	55680	33890	27770	21260	32850	23520
(WY)	1930	1948	1949	1946	1948	1944	1964	1964	1973	1941	1940	1964
MIN	2772	3233	5122	5853	6722	7043	6664	4873	4925	4635	4793	3098
(WY)	1932	1932	1940	1956	1989	1988	1986	1941	1988	1952	1951	1931

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1930 - 1992	
ANNUAL TOTAL	5021640		3582580			
ANNUAL MEAN	13760	†14090	9788	†9994	11740	
HIGHEST ANNUAL MEAN					20900	1964
LOWEST ANNUAL MEAN					6399	1988
HIGHEST DAILY MEAN	29500	May 16	17600	Apr 3	203000	Oct 2 1929
LOWEST DAILY MEAN	5710	Oct 24	5710	Oct 24	1950	Sep 27 1931
ANNUAL SEVEN-DAY MINIMUM	6030	Oct 20	6030	Oct 20	2470	Sep 23 1931
INSTANTANEOUS PEAK FLOW			17600	Apr 3	a270000	Oct 6 1929
INSTANTANEOUS PEAK STAGE			12.57	Apr 3	b29.70	Oct 6 1929
ANNUAL RUNOFF (CFSM)	1.40	†1.43	.99	†1.01	1.19	
ANNUAL RUNOFF (INCHES)	18.96	†19.43	13.53	†13.79	16.19	
10 PERCENT EXCEEDS	22600		13800		21100	
50 PERCENT EXCEEDS	12000		9120		8850	
90 PERCENT EXCEEDS	7560		6930		5680	

† 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 by U.S. Army Corps of Engineers).

b Present datum (from information by U.S. Army Corps of Engineers).

SAVANNAH RIVER BASIN

02198500 SAVANNAH RIVER NEAR CLYO, GA.--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--May 1938 to April 1939, October 1964 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: January 1974 to July 1977.

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

REMARKS.--Laboratory analyses with the analyzing agency codes 80020, 84213, and 85113 are performed by the U.S. Geological Survey. Laboratory analyses with the analyzing agency code 81341 are performed by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, Dissolved Oxygen, and Total Alkalinity are by the U.S. Geological Survey. 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 1994.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily, 110 microsiemens June 14, 1977; minimum daily, 42 microsiemens 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.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

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)
OCT 22...	0745	81341	5980	107	111	7.3	7.3
NOV 13...	0915	81341	9050	86	88	7.3	7.1
DEC 03...	1000	80020	6720	98	110	7.4	7.5
10...	0755	81341	7000	101	80	7.3	7.0
JAN 27...	0750	81341	11500	80	85	7.3	7.0
FEB 11...	0815	81341	7490	101	91	7.4	7.2
MAR 10...	0810	81341	12300	73	72	7.6	6.8
APR 14...	1130	80020	13200	90	90	7.1	7.5
28...	0710	81341	9920	86	67	7.2	7.0
MAY 26...	0820	81341	6100	104	101	7.1	7.2
JUN 09...	0815	81341	7520	97	128	7.1	7.1
19...	0845	80020	13400	82	82	7.2	7.2
JUL 14...	0720	81341	8490	86	85	7.1	7.3
AUG 11...	0750	81341	7190	95	93	7.4	7.4
SEP 15...	0750	81341	9530	89	85	7.1	7.1

SAVANNAH RIVER BASIN

02198500 SAVANNAH RIVER NEAR CLYO, GA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER)	TEMPER- ATURE WATER (DEG C)	TEMPER- ATURE AIR (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)	BICAR- BONATE WATER DIS IT FIELD MG/L AS HCO3	ALKA- LITY WAT WH TOT FET LAB MG/L AS CAO3
OCT 22...	81341	16.5	14.5	6.1	62	—	25
NOV 13...	81341	12.0	11.5	7.9	73	—	20
DEC 03...	80020	17.5	—	9.5	99	22	—
10...	81341	13.0	15.0	8.1	77	—	22
JAN 27...	81341	9.0	10.0	7.8	66	—	16
FEB 11...	81341	8.5	6.5	9.9	84	—	21
MAR 10...	81341	16.0	21.5	8.2	84	—	17
APR 14...	80020	17.5	—	7.1	74	11	—
28...	81341	18.0	10.5	7.4	78	—	20
MAY 26...	81341	23.5	26.0	7.2	85	—	21
JUN 09...	81341	24.0	26.0	6.8	81	—	21
19...	80020	23.5	—	6.6	78	18	—
JUL 14...	81341	27.0	30.0	6.4	80	—	20
AUG 11...	81341	26.0	26.0	7.0	86	—	19
SEP 15...	81341	22.5	22.0	6.8	78	—	19

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCCI KF AGAR (COLS. PER 100 ML)	HARD- NESS TOTAL (MG/L AS CAO3)	CALCIUM DIS- SOLVED (MG/L AS CA)
OCT 22...	81341	20	8.0	0.6	<20	—	—	—	—
NOV 13...	81341	30	8.0	0.6	460	—	—	—	—
DEC 03...	80020	—	5.5	—	—	—	—	20	5.7
10...	81341	15	8.0	0.9	170	—	—	—	—
JAN 27...	81341	15	8.0	2.0	80	—	—	—	—
FEB 11...	81341	25	7.0	0.8	20	—	—	—	—
MAR 10...	81341	20	20	0.8	790	—	—	—	—
APR 14...	80020	—	10	—	—	K26	K26	21	6.1
28...	81341	45	15	0.4	50	—	—	—	—
MAY 26...	81341	15	13	0.7	<20	—	—	—	—
JUN 09...	81341	30	12	0.3	80	—	—	—	—
19...	80020	—	10	—	—	480	K36	19	5.5
JUL 14...	81341	25	14	0.8	20	—	—	—	—
AUG 11...	81341	20	11	1.0	<20	—	—	—	—
SEP 15...	81341	35	11	0.7	110	—	—	—	—

SAVANNAH RIVER BASIN

02198500 SAVANNAH RIVER NEAR CLYO, GA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SIO2)
DEC 03...	80020	1.4	10	49	1	1.9	7.9	8.6	0.10	9.4
APR 14...	80020	1.5	8.5	44	0.8	1.5	6.2	8.5	0.20	7.3
JUN 19...	80020	1.3	7.9	45	0.8	1.6	5.7	6.5	<0.10	8.6

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER DAY)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDE (MG/L)	PHOS- PHORUS TOTAL (MG/L AS P)	PHOS- PHORUS DIS- SOLVED (MG/L AS P)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 22...	81341	-	-	-	-	11	0.100	-	-	4.1
NOV 13...	81341	-	-	-	-	10	0.100	-	-	4.7
DEC 03...	80020	73	57	1320	0.10	-	0.060	0.040	0.040	-
JAN 10...	81341	-	-	-	-	10	0.110	-	-	3.7
JAN 27...	81341	-	-	-	-	6	0.050	-	-	4.3
FEB 11...	81341	-	-	-	-	6	0.090	-	-	4.7
MAR 10...	81341	-	-	-	-	21	0.120	-	-	4.4
APR 14...	80020	71	47	2530	0.10	22	0.090	0.040	0.040	-
MAY 28...	81341	-	-	-	-	18	0.140	-	-	6.3
MAY 26...	81341	-	-	-	-	19	0.140	-	-	3.8
JUN 09...	81341	-	-	-	-	17	0.130	-	-	6.0
JUN 19...	80020	62	48	2240	0.08	-	0.090	0.050	0.050	-
JUL 14...	81341	-	-	-	-	7	0.140	-	-	5.0
AUG 11...	81341	-	-	-	-	10	0.140	-	-	3.0
SEP 15...	81341	-	-	-	-	9	0.150	-	-	5.0

SAVANNAH RIVER BASIN

02198500 SAVANNAH RIVER NEAR CLYO, GA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N)	NITRO- GEN, NO ₂ +NO ₃ TOTAL (MG/L AS N)	NITRO- GEN, NO ₂ +NO ₃ DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)
OCT 22...	81341	--	0.290	--	0.040	--	--	--	--
NOV 13...	81341	--	0.190	--	0.030	--	--	--	--
DEC 03...	80020	<0.010	0.220	0.210	0.040	<0.010	0.050	0.16	0.20
10...	81341	--	0.250	--	<0.030	--	--	--	--
JAN 27...	81341	--	0.240	--	0.160	--	--	--	--
FEB 11...	81341	--	0.240	--	0.040	--	--	--	--
MAR 10...	81341	--	0.280	--	0.040	--	--	--	--
APR 14...	80020	<0.010	0.180	0.180	0.040	0.010	0.040	0.26	0.30
28...	81341	--	0.260	--	0.040	--	--	--	--
MAY 26...	81341	--	0.310	--	<0.030	--	--	--	--
JUN 09...	81341	--	0.250	--	<0.030	--	--	--	--
19...	80020	0.010	0.290	0.300	0.050	0.010	0.040	0.25	0.30
JUL 14...	81341	--	0.230	--	<0.030	--	--	--	--
AUG 11...	81341	--	0.260	--	<0.030	--	--	--	0.30
SEP 15...	81341	--	0.250	--	<0.030	--	--	--	0.20

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER)	ALUM- INUM, DIS- SOLVED (UG/L AS AL)	BARIUM, DIS- SOLVED (UG/L AS BA)	COBALT, DIS- SOLVED (UG/L AS CO)	IRON, DIS- SOLVED (UG/L AS FE)	LITHIUM DIS- SOLVED (UG/L AS LI)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)
DEC 03...	80020	40	14	<3	250	<4	9
APR 14...	80020	30	17	<3	540	<4	30
JUN 19...	80020	110	27	<3	470	<4	17

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO)	NICKEL, DIS- SOLVED (UG/L AS NI)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	SILVER, DIS- SOLVED (UG/L AS AG)	STRON- TIUM, DIS- SOLVED (UG/L AS SR)	VANA- DIUM, DIS- SOLVED (UG/L AS V)
DEC 03...	80020	<10	3	<1	<1.0	36	<6
APR 14...	80020	<10	1	<1	<1.0	37	<6
JUN 19...	80020	<10	<1	<1	<1.0	32	<6

SAVANNAH RIVER BASIN

02198500 SAVANNAH RIVER NEAR CLYO, GA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER)	DIS- CHARGE, INST. CUBIC FEET PER SECOND	TEMPER- ATURE WATER (DEG C)	SEDI- MENT, SUS- PENDED (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
DEC 03...	1000	80020	6720	17.5	14	254	98
APR 14...	1130	80020	13200	17.5	14	499	100
JUN 19...	0845	80020	13400	23.5	28	1010	100

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER)	DIS- CHARGE, INST. CUBIC FEET PER SECOND	TRITIUM IN WATER MOLE- CULES (TU)	TRITIUM WATER MOLE- CULES COUNT ERROR (TU)
OCT 22...	0746	85113	5980	694	13.0
NOV 13...	0916	85113	9050	774	14.0
DEC 10...	0756	85113	7000	752	14.0
JAN 27...	0751	85113	11500	722	19.0
FEB 11...	0816	85113	7490	871	21.0
MAR 10...	0811	85113	12300	165	11.0
APR 28...	0711	85113	9920	391	14.0
MAY 26...	0821	85113	6100	480	16.0
JUN 09...	0816	85113	7520	603	17.0
JUL 14...	0721	85113	8490	676	17.0
AUG 11...	0751	85113	7190	638	16.0
SEP 15...	0751	85113	9530	485	15.0

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 National Geodetic Vertical Datum of 1929 (from topographic map). Prior to April 25, 1990, nonrecording gage at same site and datum.

REMARKS.--Records good, except those less than 10 ft³/s, which are fair.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 800 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Feb. 20	0630	812	11.03	June 14	0300	1,270	12.09
Apr. 23	0930	*1,390	*12.31	Aug. 18	1000	1,030	11.61

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14	4.5	13	52	562	137	263	56	20	44	14	64
2	14	4.9	13	53	456	123	241	41	20	73	10	43
3	17	3.7	18	53	374	102	203	31	16	89	8.2	69
4	17	3.7	37	53	298	87	130	21	99	141	127	83
5	19	4.8	36	47	234	81	90	16	130	173	146	135
6	28	3.7	40	42	220	75	70	13	120	164	674	208
7	24	3.0	44	35	292	94	61	12	103	129	570	167
8	22	2.6	37	27	339	100	76	12	62	90	431	199
9	21	17	28	23	342	97	85	14	87	66	458	206
10	16	35	24	26	306	93	88	16	154	46	421	201
11	14	36	21	26	248	106	77	16	239	29	243	234
12	13	42	19	23	203	105	69	14	407	20	114	257
13	12	44	19	133	173	109	68	12	949	14	71	252
14	9.8	36	18	393	152	114	64	13	1200	9.4	49	206
15	8.2	27	16	413	130	82	59	11	1140	5.9	70	146
16	11	21	15	406	128	64	43	9.5	1070	3.6	249	93
17	9.7	18	14	401	158	53	33	8.3	958	2.4	746	64
18	9.6	16	13	265	369	47	27	6.1	793	15	1000	47
19	9.3	14	12	205	659	63	23	4.3	561	174	829	35
20	8.8	13	12	223	790	89	49	2.5	410	257	572	25
21	7.7	13	11	240	642	92	276	1.4	297	667	415	20
22	7.4	12	12	219	484	97	785	.94	212	424	338	16
23	6.3	12	12	264	391	90	1310	.56	144	242	315	66
24	5.6	12	14	429	337	70	939	.26	95	138	451	381
25	5.9	11	14	501	297	62	582	.07	72	89	487	327
26	5.1	12	15	503	278	117	369	.66	52	58	441	266
27	6.3	11	15	393	262	148	239	.43	37	40	383	257
28	5.1	12	27	292	212	138	150	.27	34	28	301	180
29	5.0	11	55	314	173	120	97	.97	29	22	198	118
30	5.3	13	54	428	---	99	78	8.6	22	19	144	81
31	4.7	---	52	537	---	211	---	27	---	17	117	---
TOTAL	361.8	468.9	730	7019	9509	3065	6644	369.86	9532	3289.3	10392.2	4446
MEAN	11.7	15.6	23.5	226	328	98.9	221	11.9	318	106	335	148
MAX	28	44	55	537	790	211	1310	56	1200	667	1000	381
MIN	4.7	2.6	11	23	128	47	23	.07	16	2.4	8.2	16
CFSM	.06	.09	.13	1.25	1.81	.55	1.22	.07	1.76	.59	1.85	.82
IN.	.07	.10	.15	1.44	1.95	.63	1.37	.08	1.96	.68	2.14	.91

SAVANNAH RIVER BASIN

02198690 EBENEZER CREEK AT SPRINGFIELD, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1990 - 1992, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	164	96.6	72.4	429	358	213	240	96.7	216	104	458	89.6
MAX	317	178	121	632	389	420	455	275	324	206	1033	148
(WY)	1991	1991	1991	1991	1991	1991	1991	1991	1991	1991	1991	1992
MIN	11.7	15.6	23.5	226	328	98.9	43.5	2.92	6.30	.053	5.41	.74
(WY)	1992	1992	1992	1992	1992	1992	1990	1990	1990	1990	1990	1990

SUMMARY STATISTICS

FOR 1991 CALENDAR YEAR

FOR 1992 WATER YEAR

WATER YEARS 1990 - 1992

ANNUAL TOTAL	118929.7		55827.06									
ANNUAL MEAN	326		153								263	
HIGHEST ANNUAL MEAN											373	1991
LOWEST ANNUAL MEAN											153	1992
HIGHEST DAILY MEAN	5000	Aug 27	1310	Apr 23							5000	Aug 27 1991
LOWEST DAILY MEAN	2.6	Nov 8	.07	May 25							.01	a
ANNUAL SEVEN-DAY MINIMUM	3.8	Nov 2	.46	May 22							.01	Jul 6 1990
INSTANTANEOUS PEAK FLOW			1390	Apr 23							6690	Aug 26 1991
INSTANTANEOUS PEAK STAGE			12.31	Apr 23							16.57	Aug 26 1991
INSTANTANEOUS LOW FLOW			.03	May 25							.01	a
ANNUAL RUNOFF (CFSM)	1.80		.84								1.45	
ANNUAL RUNOFF (INCHES)	24.44		11.47								19.73	
10 PERCENT EXCEEDS	875		417								502	
50 PERCENT EXCEEDS	140		64								76	
90 PERCENT EXCEEDS	12		8.3								.89	

a July 6-15, 28-31, 1990.

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, 2.5 mi upstream of mouth, and 1.5 mi southeast of Stillwell.

PERIOD OF RECORD.--July 1991 to current year.

REMARKS.--Laboratory analyses 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 by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	TIME	GAGE HEIGHT (FEET)	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)
OCT 22...	0630	0.45	56	53	5.6	5.6	16.0	14.0	2.1	21
NOV 12...	1530	3.43	56	54	5.2	5.3	13.0	18.5	4.4	41
DEC 10...	0645	1.76	62	61	5.6	5.6	12.5	17.0	5.1	48
JAN 27...	0650	5.94	65	65	4.7	4.7	8.0	9.0	5.9	49
FEB 11...	0700	3.38	62	52	4.8	4.8	7.5	10.5	7.1	58
MAR 10...	0700	5.47	51	50	5.0	5.1	19.0	18.5	4.2	45
APR 28...	0550	5.24	51	47	4.8	4.8	17.0	10.0	8.7	90
MAY 26...	0635	1.10	54	50	5.5	5.6	23.5	19.5	3.8	45
JUN 09...	0630	2.62	58	57	5.0	5.1	24.0	25.0	3.6	43
JUL 14...	0615	3.56	49	48	4.9	5.0	27.0	23.5	2.0	25
AUG 11...	0625	3.78	43	41	5.2	4.7	25.0	22.0	4.0	48
SEP 15...	0620	3.99	50	49	4.9	4.8	22.0	18.0	4.1	47

DATE	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	OXYGEN DEMAND, CHEM- ICAL (LOW LEVEL) (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LITY WAT WH TOT FET LAB MG/L AS CACO3
OCT 22...	120	4.0	53	1.5	20	7
NOV 12...	150	2.0	43	1.7	220	4
DEC 10...	180	2.0	48	1.8	20	5
JAN 27...	120	4.0	59	2.3	70	1
FEB 11...	180	3.0	60	0.7	95	1
MAR 10...	200	2.0	57	1.2	50	3
APR 28...	240	2.0	99	1.0	80	1
MAY 26...	160	3.0	63	2.6	65	5
JUN 09...	140	4.0	60	0.9	130	3
JUL 14...	320	2.0	82	0.7	20	3
AUG 11...	280	5.0	80	1.0	200	2
SEP 15...	220	3.0	80	1.3	80	2

SAVANNAH RIVER BASIN

02198715 EBENEZER CREEK NEAR STILLWELL, GA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)	TANNIN AND LIGNIN (MG/L)
OCT 22...	0.190	0.100	0.70	0.150	20	3.9
NOV 12...	0.070	<0.030	0.50	0.140	17	4.1
DEC 10...	0.040	<0.030	0.50	0.120	18	3.5
JAN 27...	<0.020	<0.030	0.70	0.060	22	3.4
FEB 11...	0.030	<0.030	0.50	0.050	22	3.5
MAR 10...	0.050	0.030	0.40	0.120	22	4.9
APR 28...	<0.020	0.040	0.70	0.170	33	7.7
MAY 26...	0.100	0.050	0.50	0.160	17	4.4
JUN 09...	0.050	0.030	0.60	0.080	24	4.4
JUL 14...	0.020	0.100	0.80	0.170	30	6.4
AUG 11...	<0.020	0.090	1.0	0.120	29	5.3
SEP 15...	0.050	0.040	0.50	0.140	28	5.2

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 National Geodetic Vertical Datum of 1929 (levels by U.S. Army Corps of Engineers).

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation recorded, 6.51 ft, Mar. 27, 1990; minimum elevation recorded, -5.24 ft, Apr. 7, 1989.

EXTREMES FOR CURRENT YEAR.--Maximum elevation recorded, 6.24 ft, Sept. 25 and 26; minimum elevation recorded, -4.79 ft, Dec. 4.

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	5.52	-1.87	5.80	-1.00	4.92	-2.99	5.26	-1.80	4.56	-3.05	4.55	-2.65
2	5.60	-1.74	5.86	-1.78	4.88	-3.20	5.50	-1.81	4.96	-2.57	4.62	-2.64
3	5.43	-2.42	5.78	-1.43	4.88	-3.43	5.60	-1.52	4.88	-2.69	4.76	-2.57
4	5.53	-2.59	5.48	-1.96	4.11	-4.79	5.24	-2.31	4.91	-2.60	5.13	-2.43
5	5.61	-2.33	5.71	-2.36	4.97	-3.83	5.10	-2.45	5.31	-2.54	5.30	-1.95
6	5.40	-2.57	5.87	-1.61	4.90	-3.10	5.35	-1.97	5.45	-1.84	5.16	-2.34
7	5.70	-2.53	5.80	-1.56	4.68	-3.17	5.21	-2.02	5.39	-1.64	5.09	-2.86
8	5.93	-1.84	5.61	-1.81	4.54	-3.31	5.02	-2.15	5.37	-2.81	4.97	-3.14
9	5.86	-1.49	5.87	-1.83	4.41	-3.15	4.75	-2.72	4.82	-2.30	5.01	-2.65
10	5.76	-1.85	5.53	-1.14	4.41	-3.12	4.18	-3.43	4.97	-1.70	5.01	-2.53
11	5.45	-1.92	4.97	-1.66	4.63	-2.22	4.44	-2.34	4.91	-2.20	4.84	-3.42
12	4.91	-2.20	4.92	-1.43	4.35	-2.40	4.43	-2.14	4.78	-1.85	4.06	-2.50
13	4.80	-2.04	4.61	-1.57	4.09	-2.72	4.68	-1.77	5.26	-2.46	4.23	-2.66
14	4.85	-1.36	4.38	-1.68	3.74	-3.29	5.12	-3.19	5.13	-3.10	4.88	-2.41
15	4.64	-1.13	4.16	-2.19	3.36	-3.05	4.66	-3.22	5.24	-3.26	4.93	-2.61
16	4.39	-1.59	4.16	-2.73	3.85	-3.10	4.43	-3.42	5.30	-3.70	5.30	-3.11
17	4.50	-1.78	4.55	-2.27	4.55	-3.90	5.08	-3.75	5.45	-4.05	5.42	-2.45
18	4.48	-2.31	5.19	-2.09	4.33	-4.06	5.08	-4.09	5.65	-2.87	5.43	-3.06
19	4.72	-2.38	5.11	-2.98	5.09	-4.58	5.65	-3.65	5.56	-2.76	5.22	-3.46
20	5.05	-2.59	5.15	-3.52	5.33	-3.32	5.68	-2.78	5.31	-3.19	5.48	-3.37
21	5.38	-2.08	5.25	-3.83	5.55	-3.37	5.51	-3.45	5.16	-2.98	5.31	-2.70
22	5.48	-2.00	5.37	-3.51	5.55	-3.73	5.40	-3.13	5.15	-2.67	5.24	-2.56
23	5.55	-2.47	5.34	-3.79	5.68	-3.03	5.46	-2.55	4.98	-2.59	5.15	-2.36
24	5.56	-2.78	4.95	-3.71	5.26	-3.42	4.58	-3.98	4.64	-2.23	5.24	-1.36
25	5.67	-2.62	5.11	-4.20	5.54	-3.00	4.42	-3.10	4.50	-1.70	4.81	-1.16
26	5.79	-2.64	5.24	-3.48	5.45	-2.26	4.10	-3.00	4.51	-2.57	4.44	-1.87
27	5.78	-2.34	5.26	-2.68	4.90	-2.78	4.50	-2.16	4.29	-2.36	3.99	-2.23
28	5.77	-2.15	5.14	-2.53	4.87	-2.34	4.46	-2.25	4.29	-2.32	4.19	-1.74
29	5.88	-1.11	4.95	-2.64	4.84	-2.89	4.80	-1.70	3.56	-3.01	4.30	-2.02
30	5.64	-1.42	4.95	-2.65	4.64	-3.05	4.86	-1.79	--	--	4.64	-1.85
31	5.67	-1.99	--	--	5.01	-3.07	4.82	-2.52	--	--	4.82	-2.01
MONTH	5.93	-2.78	5.87	-4.20	5.68	-4.79	5.68	-4.09	5.65	-4.05	5.48	-3.46

SAVANNAH RIVER BASIN

02198840 SAVANNAH RIVER NEAR PORT WENTWORTH, GA.

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

[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 recorded, 40 microsiemens on many days in January, February, March, 1987, and March, April 1990.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 290 microsiemens Sept. 20; minimum, 60 microsiemens, on many days in February and March and April.

SPECIFIC CONDUCTANCE, MICROSIEMENS PER CENTIMETER AT 25, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

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

[illegible]

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 National Geodetic Vertical Datum of 1929, at mean low water (levels by U.S. Army Corps of Engineers).

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height recorded, 10.27 ft July 12, 1991 and Sept. 26, 1992; minimum gage height recorded, -3.39 ft, Apr. 7, 1989, but was lower during the day when the stage went below the recordable range of the gage.

EXTREMES FOR CURRENT YEAR.--Maximum gage height recorded, 10.27 ft, Sept. 26; minimum gage height recorded, -2.57 ft, Dec. 4.

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	9.19	1.31	9.55	1.70	8.45	-.32	8.88	1.36	8.00	-.62	7.99	-.17
2	9.31	1.26	9.65	1.28	8.43	-.48	9.17	1.26	8.52	.05	8.08	-.39
3	9.08	.23	9.53	1.02	8.41	-.96	9.28	.76	8.40	-.26	8.20	-.46
4	9.21	.03	9.14	.46	7.52	-2.57	8.82	.32	8.41	-.09	8.67	-.34
5	9.29	-.05	9.46	.17	8.54	-.99	8.68	.18	8.95	.07	8.89	.10
6	9.02	-.49	9.67	.90	8.46	-.30	8.96	.43	9.12	1.70	8.69	-.47
7	9.44	-.26	9.59	.94	8.18	-.50	8.81	.64	9.03	.73	8.60	-.80
8	9.80	.37	9.30	.98	8.00	-.50	8.61	.38	8.77	-.14	8.46	-.86
9	9.70	.85	9.65	2.11	7.90	-.16	8.29	-.21	8.43	.60	8.54	-.16
10	9.52	.72	9.19	1.21	7.87	.00	7.63	-.95	8.54	1.35	8.53	-.11
11	9.09	.81	8.52	1.29	8.17	.90	7.90	.43	8.48	.89	8.39	-1.77
12	8.48	.78	8.46	1.66	7.83	.75	7.85	.91	8.29	1.33	7.54	-.09
13	8.36	1.07	8.15	1.68	7.57	.51	8.18	1.25	8.88	.61	7.61	-.15
14	8.40	1.92	7.85	1.55	7.23	-.07	8.65	-.32	8.69	-.48	8.34	-.40
15	8.18	2.18	7.57	1.04	6.79	.21	8.09	-.42	8.83	-.90	8.43	-1.19
16	7.88	1.90	7.57	.39	7.26	.19	7.83	-1.27	8.92	-1.41	8.87	-1.95
17	7.99	1.65	7.95	.87	8.01	-1.07	8.62	-1.36	9.15	-2.19	9.02	-1.28
18	7.91	.92	8.77	-.08	7.73	-1.75	8.61	-2.29	9.40	-1.23	9.04	-1.94
19	8.20	.62	8.68	-.19	8.69	-1.99	9.35	-2.25	9.26	-1.26	8.77	-2.17
20	8.65	.58	8.74	-.98	8.98	-.66	9.37	-1.08	8.90	-1.72	9.12	-1.94
21	9.07	.95	8.86	-1.40	9.23	-1.27	9.15	-2.13	8.72	-1.32	8.90	-1.07
22	9.19	.74	9.00	-1.10	9.22	-2.08	9.01	-1.60	8.61	-.66	8.64	-.62
23	9.29	.20	8.98	-1.52	9.37	-1.32	9.07	-1.08	8.52	-.34	8.77	-.17
24	9.32	-.12	8.51	-1.37	8.85	-1.60	8.06	-2.45	8.17	.33	8.82	1.39
25	9.46	.06	8.70	-1.74	9.25	-.52	7.83	-.97	7.98	1.20	8.37	1.50
26	9.63	.16	8.87	-.79	9.13	.03	7.50	-.61	7.98	.34	7.91	.66
27	9.59	.46	8.89	.27	8.44	.08	8.00	.67	7.59	.33	7.44	.31
28	9.56	.84	8.72	.49	8.44	.54	7.90	.41	7.74	.04	7.57	.85
29	9.68	1.82	8.46	.10	8.37	.10	8.30	1.34	6.96	-.61	7.68	.34
30	9.38	1.50	8.48	-.11	8.08	-.09	8.41	.96	---	---	8.09	.41
31	9.42	.80	---	---	8.56	.20	8.30	.02	---	---	8.24	-.18
MONTH	9.80	-.49	9.67	-1.74	9.37	-2.57	9.37	-2.45	9.40	-2.19	9.12	-2.17

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 recorded, 23,700 microsiemens Oct. 17, 1991; minimum recorded, 40 microsiemens Apr. 2, 1990.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 23,700 microsiemens Oct. 17; minimum, 50 microsiemens on several days in March.

SPECIFIC CONDUCTANCE, MICROSIEMENS PER CENTIMETER AT 25, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	4330	80	9000	100	1700	100	14400	70	7870	80	9620	70
2	7930	90	6510	110	2580	100	12800	70	7760	80	7130	70
3	4460	90	5140	90	3500	110	9560	80	4410	80	2680	70
4	3230	90	1910	80	2680	110	4280	70	2110	80	610	70
5	2310	80	2330	90	6360	120	3640	70	2940	80	380	70
6	1270	80	3740	80	5230	120	4590	70	6100	90	290	70
7	1580	70	2500	90	3670	110	3480	70	5740	90	190	70
8	3300	80	1250	90	2780	110	3190	70	3860	90	210	70
9	2480	90	5990	80	3070	90	2620	80	4430	90	1770	70
10	1940	90	5040	80	6140	90	2380	80	7900	100	1770	70
11	1610	90	5840	80	10400	100	7630	70	10000	100	2090	60
12	1410	90	11000	80	11700	100	10600	80	11100	100	540	50
13	6330	80	13200	90	11100	100	14000	80	---	100	2660	50
14	12500	80	15900	90	12700	100	11600	80	---	100	7700	60
15	15500	110	16100	90	15900	110	7370	80	7940	90	3490	60
16	19400	110	14500	90	19400	120	8080	80	4770	90	1140	60
17	23700	230	15700	100	21400	110	9100	80	3040	80	310	60
18	19500	210	13800	110	14600	110	4360	80	1640	90	160	70
19	17300	170	9910	100	15000	110	3030	80	720	90	150	70
20	13400	160	6810	100	11600	110	1130	70	410	80	140	70
21	12500	230	4970	100	6950	90	530	80	260	80	140	60
22	10200	180	3490	90	2990	80	390	80	190	70	150	50
23	9400	140	2410	110	1910	70	320	80	140	70	110	50
24	7920	130	1890	90	600	60	230	80	140	80	110	50
25	7680	130	1940	100	900	70	190	70	730	90	210	50
26	8760	150	3550	120	1450	70	220	70	1120	90	180	50
27	8830	130	4060	120	1130	80	330	70	1260	80	1860	50
28	6930	120	3130	120	1460	90	1850	70	8800	70	7940	60
29	8470	110	2070	120	2180	90	4120	80	9810	70	8320	50
30	6730	110	1760	100	3880	80	7340	80	---	---	6870	50
31	6510	90	---	---	8900	80	8560	80	---	---	3570	60
MONTH	23700	70	16100	80	21400	60	14400	70	11100	70	9620	50

[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 National Geodetic Vertical Datum of 1929, at low mean water, (levels by U.S. Army Corps of Engineers).

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height recorded, 10.13 ft Sept. 26, 1992; minimum gage height recorded, -2.74 ft, Apr. 7, 1989, Feb. 24, 1990, and Feb. 15, 1991, but was lower during the day when the stage went below the recordable range of the gage.

EXTREMES FOR CURRENT YEAR.--Maximum gage height 10.13 ft, Sept. 26; minimum gage height, -2.72 ft, Dec. 4 and Jan. 24.

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	8.87	1.20	9.30	1.50	8.04	-.44	8.53	1.27	7.51	-.78	7.47	-.38
2	9.04	1.21	9.39	.83	8.04	-.60	8.84	1.11	8.14	-.07	7.58	-.57
3	8.74	.14	9.26	.83	8.01	-1.64	8.95	.51	7.97	-.40	7.68	-.63
4	8.89	-.09	8.86	.32	7.01	-2.72	8.45	.21	8.03	-.18	8.25	-.53
5	8.95	-.33	9.17	.06	8.15	-1.06	8.32	.06	8.65	-.04	8.51	-.07
6	8.71	-.64	9.45	.79	8.09	-.38	8.62	.29	8.87	1.54	8.29	-.68
7	9.17	-.35	9.35	.70	7.76	-.62	8.49	.51	8.71	.48	8.19	-.96
8	9.57	.20	9.02	.88	7.56	-.63	8.27	.26	7.95	-.23	8.00	-.97
9	9.46	.65	9.38	1.90	7.46	-.28	7.93	-.32	8.12	.49	8.10	-.28
10	9.26	.63	8.86	1.05	7.40	-.13	7.15	-1.04	8.18	1.22	8.06	-.34
11	8.78	.63	8.13	1.17	7.79	.74	7.46	.33	8.10	.77	8.01	-2.02
12	8.13	.64	8.07	1.53	7.46	.65	7.46	.77	7.87	1.18	7.07	-.26
13	7.98	1.00	7.80	1.59	7.12	.35	7.79	1.05	8.53	.41	7.09	-.38
14	8.01	1.81	7.44	1.46	6.76	-.17	8.25	-.43	8.29	-.83	7.87	-.57
15	7.83	2.04	7.13	.91	6.38	.11	7.62	-.55	8.43	-1.38	7.95	-1.76
16	7.52	1.79	7.09	.20	6.78	.04	7.31	-1.51	8.54	-1.61	8.50	-2.17
17	7.62	1.47	7.46	.69	7.56	-1.24	8.20	-1.74	8.84	-2.37	8.68	-1.63
18	7.47	.79	8.45	-.31	7.25	-2.10	8.21	-2.45	9.15	-1.47	8.71	-2.22
19	7.78	.44	8.30	-.51	8.35	-2.15	9.09	-2.43	9.00	-1.55	8.38	-2.45
20	8.28	.44	8.38	-1.07	8.68	-.76	9.11	-1.35	8.55	-2.06	8.81	-2.23
21	8.76	.85	8.51	-1.49	8.95	-1.49	8.86	-2.41	8.33	-1.59	8.57	-1.33
22	8.90	.59	8.69	-1.28	8.91	-2.26	8.72	-1.87	8.13	-.90	8.28	-.78
23	9.01	.11	8.66	-1.65	9.10	-1.50	8.79	-1.41	8.14	-.58	8.45	-.35
24	9.04	-.41	8.19	-1.56	8.52	-1.75	7.70	-2.72	7.77	.24	8.44	1.22
25	9.21	.04	8.36	-1.85	8.98	-.61	7.36	-1.08	7.54	.99	8.01	1.38
26	9.40	.00	8.54	-.84	8.84	-.10	7.07	-.75	7.47	.14	7.49	.54
27	9.37	.37	8.63	.08	8.05	.01	7.59	.54	7.03	.14	6.95	.11
28	9.31	.65	8.36	.41	8.09	.40	7.43	.33	7.30	-.15	7.04	.61
29	9.43	1.75	8.02	-.01	7.97	-.04	7.89	1.17	6.45	-.84	7.18	.13
30	9.07	1.31	8.07	-.20	7.63	-.25	8.07	.82	---	---	7.63	.24
31	9.13	.70	---	---	8.14	.33	7.87	-.16	---	---	7.71	-.37
MONTH	9.57	-.64	9.45	-1.85	9.10	-2.72	9.11	-2.72	9.15	-2.37	8.81	-2.45

[illegible]

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, 50 microsiemens on many days in August 1991.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 2,170 microsiemens Dec. 19; minimum, 60 microsiemens on several days in March and April.

SPECIFIC CONDUCTANCE, MICROSIEMENS PER CENTIMETER AT 25, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	150	100	330	130	120	90	110	90	280	90	250	80
2	140	100	380	140	120	90	130	90	210	100	240	80
3	370	110	290	130	130	90	150	90	240	100	230	70
4	300	110	210	110	140	100	120	90	230	90	160	80
5	270	110	220	110	160	110	120	80	180	90	170	80
6	260	100	240	110	160	120	140	80	110	100	240	90
7	340	100	220	100	150	110	110	80	350	100	240	80
8	240	100	140	100	130	100	100	80	710	100	280	80
9	220	100	140	100	130	90	130	80	690	100	320	80
10	160	100	110	90	120	90	160	80	350	110	240	90
11	180	100	120	90	120	100	120	80	370	110	160	80
12	210	100	110	90	130	100	120	70	420	110	140	70
13	220	90	120	90	140	100	110	70	590	110	90	70
14	110	90	110	90	140	100	170	70	510	120	90	70
15	100	90	120	90	130	100	150	80	560	120	90	80
16	140	90	120	90	140	110	190	80	710	130	140	90
17	150	100	120	90	330	110	200	90	770	140	120	80
18	200	110	160	100	380	120	190	90	590	140	100	80
19	320	110	170	100	2170	120	220	80	1420	150	150	80
20	330	130	250	110	710	160	160	80	2010	130	170	80
21	670	170	350	110	890	140	150	80	290	100	240	70
22	870	220	310	120	390	110	170	90	240	90	290	60
23	1250	220	260	120	300	100	170	90	290	90	370	60
24	1150	220	160	110	150	100	270	80	340	80	150	60
25	1120	230	170	110	220	110	240	70	220	90	200	60
26	1010	230	150	110	180	110	190	80	120	80	510	60
27	790	220	150	120	150	120	110	70	130	80	160	60
28	640	190	130	110	150	100	100	80	130	80	690	60
29	660	170	140	110	140	100	100	80	150	80	590	60
30	270	150	130	100	140	100	120	80	--	--	740	60
31	350	140	--	--	160	100	290	80	--	--	610	60
MONTH	1250	90	380	90	2170	90	290	70	2010	80	740	60

[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.

GAGE-HEIGHT RECORDS

PERIOD OF RECORD.--June 1987 to current year.

GAGE.--Water-stage recorder. Datum of gage is 3.39 ft below National Geodetic Vertical Datum of 1929, at mean low water (levels by U.S. Army Corps of Engineers).

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height recorded, 10.13 ft, July 12, 1991; 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, 10.07 ft, Sept. 26; minimum gage height recorded, -1.50 ft, Dec.. 4.

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	9.26	1.47	9.56	2.12	8.60	.03	8.98	1.46	8.19	-.31	8.05	.04
2	9.36	1.49	9.64	2.20	8.58	-.14	9.22	1.41	8.65	.29	8.11	-.03
3	9.17	.65	9.54	1.61	8.57	-.34	9.32	1.43	8.56	.08	8.23	-.05
4	9.28	.44	9.23	1.01	7.80	-1.50	8.95	.62	8.57	.23	---	---
5	9.36	.56	9.47	.62	8.66	-.73	8.81	.48	9.05	.38	---	---
6	9.14	.22	9.66	1.41	8.59	-.05	9.07	.91	9.20	2.21	---	---
7	9.46	.32	9.58	1.49	8.35	-.19	8.94	1.06	9.12	1.34	---	---
8	9.73	1.09	9.35	1.29	8.19	-.28	8.74	.78	9.10	.24	---	---
9	9.67	1.52	9.62	2.44	8.10	.01	8.44	.15	8.42	.86	8.50	.21
10	9.53	1.23	9.25	1.81	8.05	.12	7.90	-.61	8.66	1.55	8.55	.31
11	9.20	1.20	8.66	1.49	8.33	1.04	8.11	.67	8.61	1.06	8.37	-.95
12	8.62	.97	8.61	1.81	8.03	.87	8.07	1.03	8.44	1.44	7.60	.26
13	8.51	1.24	8.31	1.76	7.78	.58	8.37	1.42	8.95	.74	7.77	.05
14	8.56	2.03	8.05	1.63	7.42	.02	8.80	-.15	8.77	.13	8.33	.36
15	8.35	2.35	7.81	1.12	7.06	.27	8.28	-.24	8.86	-.20	8.42	-.03
16	8.06	1.97	7.83	.47	7.50	.23	8.06	-.60	8.93	-.75	8.82	-.84
17	8.18	1.71	8.16	.95	8.20	-.79	8.74	-.98	9.13	-1.11	8.99	-.11
18	8.15	1.00	8.89	.88	7.95	-.91	8.74	-1.48	9.35	-.08	9.01	-.58
19	8.38	.99	8.80	.02	8.77	-1.49	9.37	-1.27	9.22	.02	8.77	-.87
20	8.78	.68	8.86	-.64	9.03	-.38	9.40	-.32	8.90	-.60	9.09	-.81
21	9.15	1.15	8.96	-.96	9.26	-.72	9.22	-1.07	8.82	-.44	8.92	-.06
22	9.25	1.15	9.10	-.65	9.25	-1.28	9.12	-.66	8.73	-.04	8.91	.09
23	9.33	.64	9.08	-.98	9.38	-.54	9.18	.02	8.56	.08	8.68	.42
24	9.35	.32	8.67	-.85	8.97	-.84	8.26	-1.48	8.20	.66	8.81	1.62
25	9.46	.53	8.82	-1.30	9.28	-.09	8.07	-.51	8.09	1.30	8.42	1.79
26	9.60	.50	8.96	-.48	9.19	.79	7.74	-.30	8.06	.33	8.08	.96
27	9.58	.82	8.98	.43	8.59	.34	8.20	.85	7.77	.44	7.50	.49
28	9.56	1.06	8.83	.67	8.59	.79	8.10	.65	7.83	.66	7.72	1.01
29	9.66	2.11	8.59	.38	8.54	.27	8.47	1.49	7.06	-.37	7.82	.67
30	9.40	1.84	8.63	.23	8.28	.08	8.53	1.47	---	---	8.14	.80
31	9.42	1.16	---	---	8.69	.08	8.46	.30	---	---	8.29	.41
MONTH	9.73	.22	9.66	-1.30	9.38	-1.50	9.40	-1.48	9.35	-1.11	---	---

SAVANNAH RIVER BASIN

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

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	8.68	.44	9.20	.33	9.55	.25	9.58	-.06	9.13	-.58	8.87	-.09
2	8.73	.22	8.98	-.15	9.61	.04	9.69	-.31	9.13	-.06	8.84	.05
3	9.12	.52	9.01	-.66	9.76	.43	9.64	.46	8.80	-.20	8.45	.05
4	8.81	.34	9.31	-.20	9.79	.38	9.60	.74	8.60	-.21	8.25	.61
5	9.01	.51	9.08	-.33	9.60	.35	9.29	.69	8.55	-.23	8.05	.93
6	9.00	.16	9.07	.57	9.34	.83	8.85	.25	8.50	.23	8.26	.84
7	8.99	.61	9.45	.70	9.16	.82	8.78	.22	8.65	.86	8.36	.82
8	8.82	.71	9.04	.11	8.95	.54	8.85	.52	8.61	.81	8.51	.95
9	8.70	.77	8.76	.24	8.95	.32	8.62	.21	8.55	.76	8.61	.92
10	8.72	.88	8.71	.10	9.09	-.22	8.71	-.09	8.61	.44	8.63	.81
11	8.71	.80	8.74	.21	9.72	1.00	8.81	.06	8.64	.32	8.59	.62
12	8.76	.61	9.09	.08	9.78	1.25	8.77	-.12	8.56	.10	9.02	.54
13	9.43	.49	9.43	.27	9.80	1.39	8.73	-.34	8.52	.07	9.10	1.60
14	9.50	1.46	9.57	.68	9.49	1.01	8.70	-.19	8.49	.18	9.30	1.45
15	9.45	.74	9.28	.27	9.50	1.01	8.52	-.04	8.29	-.18	9.22	1.80
16	9.35	.01	9.17	-.10	9.27	1.22	8.25	-.03	8.60	.29	9.03	1.58
17	9.28	-.31	9.09	.22	9.22	1.81	8.38	.19	8.52	.78	8.59	.82
18	9.17	-.35	9.05	.35	9.12	1.37	8.30	.20	8.57	.86	8.55	.82
19	9.10	-.11	8.88	.52	8.69	1.24	8.14	.27	8.61	.88	8.58	.65
20	9.07	.44	8.91	1.28	8.59	1.25	8.07	.22	8.59	1.01	8.90	1.01
21	8.94	.58	8.98	1.84	8.45	1.19	8.20	.27	8.72	1.07	9.14	.95
22	8.45	.54	8.91	1.91	8.52	1.25	8.26	.54	8.99	1.16	9.29	.47
23	7.90	.64	8.56	1.37	8.60	1.77	8.33	.65	9.10	1.35	9.51	.24
24	7.73	.86	8.18	1.01	8.68	1.53	8.47	.47	9.14	.96	10.04	1.87
25	7.57	.95	8.24	1.40	8.64	.88	8.53	-.08	9.34	.31	10.06	2.50
26	7.87	1.29	8.48	1.30	8.93	.30	9.01	-.19	9.47	-.21	10.07	2.26
27	8.16	1.36	8.79	1.39	9.25	.13	9.17	-.55	9.60	-.10	9.93	1.75
28	8.25	.81	9.22	1.79	9.60	.46	9.26	-1.19	9.24	-.45	9.84	1.44
29	8.99	1.33	9.38	.85	9.87	.47	9.59	-.80	9.27	-.03	9.63	1.24
30	9.09	.62	9.05	.20	9.82	.35	9.43	-.39	9.28	.19	9.72	2.14
31	---	---	9.32	-.22	---	---	9.26	-.53	9.10	.21	---	---
MONTH	9.50	-.35	9.57	-.66	9.87	-.22	9.69	-1.19	9.60	-.58	10.07	-.09

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, 50 microsiemens Mar. 30, 31, Apr. 1, 1990.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 4,670 microsiemens Aug. 1; minimum, 60 microsiemens Apr. 7, Aug. 27.

SPECIFIC CONDUCTANCE, MICROSIEMENS PER CENTIMETER AT 25, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	360	110	1130	160	210	100	1660	100	310	90	180	80
2	620	110	1110	150	220	100	2110	100	640	90	140	80
3	470	110	660	140	290	100	1520	110	370	90	130	80
4	380	120	390	130	230	110	410	100	260	90	140	80
5	370	120	360	120	440	110	250	90	290	90	140	90
6	300	110	470	120	560	120	360	90	340	100	130	80
7	300	110	410	110	370	120	270	100	310	100	120	80
8	440	110	310	110	280	110	210	90	370	100	120	90
9	420	110	420	100	220	100	170	100	180	120	130	90
10	360	110	320	100	250	110	120	90	240	110	140	90
11	280	110	130	90	270	110	110	90	280	110	120	80
12	170	110	140	90	260	110	140	90	280	110	160	80
13	140	100	140	90	260	110	200	90	920	120	150	70
14	150	90	180	100	220	110	220	80	560	130	160	80
15	200	90	190	100	240	110	350	90	540	140	160	80
16	220	100	220	100	380	110	240	90	520	140	220	90
17	420	110	520	100	3390	120	1400	90	670	150	220	90
18	450	110	3370	100	4420	130	350	100	810	140	190	90
19	1280	120	1950	120	4540	170	490	90	530	150	160	90
20	4170	160	900	130	2860	220	230	90	650	190	190	90
21	4430	190	520	120	1330	160	210	90	470	110	190	90
22	3480	280	430	130	560	130	170	90	190	90	160	80
23	2400	270	340	130	430	110	170	100	130	90	140	70
24	1640	270	290	120	280	100	130	90	110	90	100	70
25	1570	270	280	120	260	110	130	90	110	90	100	70
26	1620	270	280	120	310	110	110	90	110	90	150	70
27	1200	260	330	120	270	110	100	80	120	80	120	70
28	1040	220	330	120	270	110	100	80	100	80	120	70
29	1320	210	280	110	220	100	100	90	110	80	100	70
30	1230	180	270	110	190	100	110	90	--	--	110	70
31	870	160	--	--	770	100	120	90	--	--	100	70
MONTH	4430	90	3370	90	4540	100	2110	80	920	80	220	70

SAVANNAH RIVER BASIN

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

SPECIFIC CONDUCTANCE, MICROSIEMENS PER CENTIMETER AT 25, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

[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 National Geodetic Vertical Datum of 1929, at low mean water, (levels by U.S. Army Corps of Engineers).

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height recorded, 9.43 ft, Sept. 25, 1992; minimum gage height recorded, -3.73 ft, Apr. 7, 1989.

EXTREMES FOR CURRENT YEAR.--Maximum gage height recorded, 9.43 ft, Sept. 25; minimum gage height recorded, -2.59 ft, Jan. 24.

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	7.90	1.15	8.42	1.53	6.98	-.45	7.65	1.01	6.35	-.71	6.24	-.47
2	8.12	1.24	8.56	.78	6.97	-.66	7.97	1.01	7.17	-.08	6.34	-.56
3	7.80	.20	8.46	.39	6.98	-2.32	8.12	.64	6.94	-.28	6.42	-.92
4	7.98	.00	8.10	.15	5.96	-2.44	7.51	.18	7.05	-.13	7.11	-.62
5	8.07	-.21	8.40	.10	7.18	-1.08	7.37	.07	7.75	.00	7.50	-.07
6	7.82	-.56	8.69	.77	7.10	-.33	7.71	.36	8.02	1.64	7.16	-.63
7	8.28	-.28	8.52	.58	6.72	-.55	7.56	.59	7.83	.60	6.99	-.88
8	8.82	.20	8.18	.84	6.43	-.66	7.36	.41	6.70	-.15	6.77	-.89
9	8.78	.52	8.73	1.90	6.37	-.32	6.89	-.24	7.26	.61	7.00	-.22
10	8.42	.68	8.08	1.13	6.29	-.15	6.13	-.96	7.05	1.25	6.92	-.30
11	7.93	.71	7.19	1.20	6.81	.85	6.36	.43	7.15	.67	6.96	-1.70
12	7.14	.46	7.12	1.51	6.43	.70	6.32	.73	6.86	1.14	5.90	-.23
13	7.06	1.02	6.80	1.56	6.01	.19	6.80	.91	7.60	.33	5.86	-.47
14	7.11	1.78	6.30	1.32	5.64	-.25	7.26	-.57	7.28	-.69	6.72	-.75
15	6.88	1.96	5.94	.78	5.39	.08	6.39	-.59	7.46	-1.47	6.81	-1.92
16	6.56	1.62	5.89	.16	5.63	-.16	6.09	-1.47	7.58	-1.59	7.53	-1.79
17	6.60	1.35	6.30	.56	6.39	-1.15	7.33	-2.30	8.09	-2.26	7.72	-1.64
18	6.42	.78	7.45	-.24	6.06	-2.05	7.17	-2.30	8.33	-1.61	7.73	-2.16
19	6.69	.48	7.35	-.95	7.46	-1.94	8.31	-2.38	8.15	-1.68	7.37	-2.36
20	7.36	.70	7.45	-.96	7.86	-.70	8.31	-1.46	7.58	-2.08	7.89	-2.15
21	7.96	.94	7.63	-1.35	8.14	-1.35	8.05	-2.40	7.29	-1.90	7.58	-1.26
22	8.11	.57	7.83	-1.26	8.10	-2.20	7.87	-1.86	7.07	-.82	7.24	-.67
23	8.23	-.07	7.83	-1.54	8.31	-1.51	7.90	-1.47	6.88	-.49	7.40	-.34
24	8.26	-.13	7.42	-1.35	7.70	-1.84	6.33	-2.59	6.64	.28	7.26	1.20
25	8.49	.09	7.48	-1.75	8.16	-.61	6.06	-1.09	6.47	.85	7.03	1.31
26	8.68	.04	7.65	-.97	7.96	-.11	5.92	-.80	6.40	-.13	6.53	.41
27	8.59	.44	7.68	-.16	7.00	.04	6.48	.26	5.74	.11	5.77	-.09
28	8.49	.75	7.36	.38	7.15	.37	6.30	.37	6.12	-.27	5.79	.44
29	8.63	1.65	6.93	-.11	6.95	-.14	6.82	.87	5.19	-.77	5.89	.08
30	8.24	1.26	7.00	-.12	6.45	-.29	7.18	.56	---	---	6.38	.24
31	8.61	.78	---	---	7.14	1.02	6.87	-.65	---	---	6.53	-.37
MONTH	8.82	-.56	8.73	-1.75	8.31	-2.44	8.31	-2.59	8.33	-2.26	7.89	-2.36

SAVANNAH RIVER BASIN

02198980 SAVANNAH RIVER AT FORT PULASKI, GA.--Continued

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	7.13	-.37	7.98	-.16	8.66	-.33	8.58	-1.31	7.95	-1.77	7.45	-1.16
2	7.23	-.58	7.64	-.83	8.73	-.62	8.82	-1.55	7.59	-1.15	7.37	-.44
3	7.83	-.54	7.77	-1.20	8.92	-.50	8.64	-.86	7.37	-1.00	6.87	.11
4	7.36	-.69	8.18	-1.18	8.70	-.47	8.08	-.61	7.12	-.81	6.62	.25
5	7.67	-.57	7.90	-.81	8.23	-.37	7.72	-.67	6.97	-.70	6.50	.50
6	7.63	-.84	8.57	-.18	8.00	-.34	7.41	-.61	6.95	-.08	6.59	.48
7	7.39	-.26	8.30	.39	7.94	-.10	7.33	-.50	7.20	.55	6.84	.58
8	7.30	-.02	7.75	-.33	7.56	-.10	7.38	.04	7.15	.46	7.00	.54
9	7.29	.13	7.31	-.32	7.62	-.26	7.18	-.18	7.01	.26	7.14	.63
10	7.31	.13	7.24	-.41	7.77	-.70	7.24	-.48	7.15	.11	7.12	.42
11	7.25	.06	7.29	-.31	8.70	.47	7.31	-.29	7.09	-.15	7.19	.23
12	7.25	-.37	7.87	-.34	8.87	.64	7.29	-.59	7.03	-.37	7.72	.13
13	8.20	1.10	8.43	-.19	8.81	.64	7.17	-.74	7.03	-.33	7.82	1.04
14	8.32	-.23	8.69	-.05	8.33	.30	7.25	-.58	6.86	-.33	8.08	1.10
15	8.31	-.81	8.20	-.45	8.32	.27	6.92	-.59	6.69	-.71	8.02	1.34
16	8.19	-1.34	8.04	-.67	7.98	.39	6.74	-.51	7.06	-.20	7.67	1.11
17	8.14	-1.36	7.87	-.68	7.98	.68	6.71	-.27	6.97	.31	7.18	.54
18	7.94	-1.24	7.81	-.23	7.31	.80	6.67	-.26	7.08	.44	7.14	.56
19	7.79	-.76	7.58	.10	7.23	.58	6.34	-.18	7.06	.50	7.04	.38
20	7.52	-.16	7.71	.90	6.97	.67	6.39	-.14	7.10	.69	7.49	.76
21	6.89	.04	7.64	1.52	6.80	.70	6.48	-.06	7.26	.67	7.80	.72
22	6.74	.04	7.55	1.60	7.17	.90	6.63	.28	7.55	.84	8.10	.16
23	6.18	.26	7.20	1.07	7.12	1.55	6.65	.38	7.74	.92	8.45	-.31
24	6.05	.43	6.61	.75	7.26	1.25	6.91	.20	7.73	.34	9.33	1.14
25	5.80	.31	6.62	.99	7.13	.49	6.97	-.37	8.09	-.48	9.43	.44
26	6.43	.93	7.07	1.03	7.52	-.05	7.76	-.92	8.30	-1.32	9.39	.06
27	6.64	1.01	7.47	1.07	7.95	-.26	7.99	-.94	8.49	-1.70	9.15	-.28
28	6.85	.49	8.03	1.48	8.55	-.14	8.12	-1.93	7.99	-2.18	9.03	.09
29	7.68	1.05	8.24	.54	8.97	-.35	8.73	-1.48	8.06	-1.90	8.73	---
30	7.82	.21	7.85	-.21	8.94	-.71	8.36	-1.59	8.08	-1.42	8.76	1.40
31	---	---	8.26	-.73	---	---	8.19	-1.63	7.80	-1.20	---	---
MONTH	8.32	-1.36	8.69	-1.20	8.97	-.71	8.82	-1.93	8.49	-2.18	9.43	---

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 National Geodetic Vertical Datum of 1929 (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 1991 TO SEPTEMBER 1992

Date	Elevation (feet)*	Contents (acre-feet)	Change in contents (acre-feet)	(equivalent in cubic feet per second)
Sept. 30.....	1864.6	102000	-	-
Oct. 31.....	1857.2	83100	-18900	-307
Nov. 30.....	1853.2	73800	-9300	-156
Dec. 31.....	1852.7	72700	-1100	-18
CAL YR 1991	-	-	-13500	-19
Jan. 31.....	1853.6	74700	+2000	+33
Feb. 29.....	1858.8	86900	+12200	+212
Mar. 31.....	1861.2	93100	+6200	+101
Apr. 30.....	1864.9	103000	+9900	+166
May 31.....	1865.1	104000	+1000	+16
June 30.....	1865.1	104000	0	0
July 31.....	1864.9	103000	-1000	-16
Aug. 31.....	1865.1	104000	+1000	+16
Sept. 30.....	1865.0	103000	-1000	-17
WTR YR 1992	-	-	+1000	+1

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 National Geodetic Vertical Datum of 1929 (levels by Georgia Power Company.)

REMARKS.--Reservoir is formed by concrete slab and buttressdam. 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 1991 TO SEPTEMBER 1992

Date	Elevation (feet)*	Contents (acre-feet)	Change in contents (equivalent in cubic feet per second)	
			(acre-feet)	
Sept. 30.....	1687.8	29800	-	-
Oct. 31.....	1687.0	29200	-600	-10
Nov. 30.....	1688.0	29900	+700	+12
Dec. 31.....	1687.7	29700	-200	-3
CAL YR 1991	-	-	-200	0
Jan. 31.....	1687.8	29800	+100	+2
Feb. 29.....	1687.9	29800	0	0
Mar. 31.....	1687.7	29700	-100	-2
Apr. 30.....	1687.7	29700	0	0
May 31.....	1688.1	30000	+300	+5
June 30.....	1687.7	29700	-300	-5
July 31.....	1687.9	29800	+100	+2
Aug. 31.....	1688.0	29900	+100	+2
Sept. 30.....	1687.8	29800	-100	-2
WTR YR 1992	-	-	0	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.--Water-stage recorder. Datum of gage is at National Geodetic Vertical Datum of 1929 (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, 2,695,600 acre-ft, June 15, elevation, 662.54 ft; minimum, 2,319,400 acre-ft, Dec. 27, elevation 655.72.

MONTHEND ELEVATION AND CONTENTS AT 2400, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

Date	Elevation (feet)	Contents (acre-feet)	Change in contents (acre-feet)	(equivalent in cubic feet per second)
Sept. 30.....	659.13	2501400	-	-
Oct. 31.....	657.24	2399100	-102300	-1664
Nov. 30.....	656.73	2372100	-27000	-454
Dec. 31.....	655.99	2333300	-38800	-631
CAL YR 1991	-	-	+52400	+72
Jan. 31.....	656.45	2357400	+24100	+392
Feb. 29.....	659.13	2501400	+144000	+2503
Mar. 31.....	660.14	2557500	+56100	+912
Apr. 30.....	659.70	2533000	-24500	-412
May 31.....	660.33	2568200	+35200	+572
June 30.....	661.44	2631400	+63200	+1062
July 31.....	660.06	2553000	-78400	-1275
Aug. 31.....	662.00	2663600	+110600	+1799
Sept. 30.....	660.68	2588000	-75600	-1270
WTR YR 1992	-	-	+86600	+119

LAKES AND RESERVOIRS IN SAVANNAH RIVER BASIN--Continued

02189004 RICHARD B. RUSSELL RESERVIOR 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.--Water-stage recorder and data collection platform. Datum of gage is at National Geodetic Vertical Datum of 1929.

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, 1,105,800 acre-ft, Dec. 21, 1985, elevation, 477.90 ft; minimum, 799,000 acre-ft, May 7, 1984, elevation, 465.65 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 1,077,600 acre-ft, Oct. 28, elevation, 476.89 ft; minimum, 966,800 acre-ft, Feb. 14, elevation, 472.78 ft.

MONTHEND ELEVATION AND CONTENTS AT 2400, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

Date	Elevation (feet)*	Contents (acre-feet)	Change in contents (equivalent in cubic feet per second)	
			(acre-feet)	
Sept. 30.....	476.45	1065400	-	-
Oct. 31.....	476.23	1059400	-6000	-98
Nov. 30.....	476.33	1062200	+2800	+47
Dec. 31.....	475.85	1049100	-13100	-213
CAL YR 1991	-	-	+30300	+42
Jan. 31.....	474.22	1005600	-43500	-707
Feb. 29.....	474.23	1005900	+300	+5
Mar. 31.....	475.95	1051800	+45900	+746
Apr. 30.....	474.83	1021700	-30100	-506
May 31.....	475.09	1028600	+6900	+112
June 30.....	475.19	1031300	+2700	+45
July 31.....	473.10	976500	-54800	-891
Aug. 31.....	474.24	1006100	+29600	+481
Sept. 30.....	476.14	1057000	+50900	+855
WTR YR 1992	-	-	-8400	-12

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.--Water-stage recorder. Datum of gage is at National Geodetic Vertical Datum of 1929 (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 contents, 2,596,600 acre-ft, Apr. 1, elevation, 331.11 ft; minimum, 2,222,300 acre-ft, Jan. 21, elevation, 325.89 ft.

Date	Elevation (feet)*	Contents (acre-feet)	Change in contents (equivalent in cubic feet per second)	
			(acre-feet)	
Sept. 30.....	329.17	2451900	-	-
Oct. 31.....	327.99	2369300	-82600	-1343
Nov. 30.....	326.19	2243300	-126000	-2117
Dec. 31.....	326.85	2289500	+46200	+751
CAL YR 1991	-	-	+170300	+235
Jan. 31.....	326.63	2274100	-15400	-250
Feb. 29.....	328.59	2411300	+137200	+2385
Mar. 31.....	329.90	2503000	+91700	+1491
Apr. 30.....	329.24	2498800	-4200	-71
May 31.....	329.24	2456800	-42000	-683
June 30.....	329.30	2461000	+4200	+71
July 31.....	328.47	2402900	-58100	-945
Aug. 31.....	329.10	2447000	+44100	+717
Sept. 30.....	330.17	2523200	+76200	+1281
WTR YR 1992	-	-	+71300	+98

OGEECHEE RIVER BASIN

02200950 OGEECHEE RIVER NEAR WADLEY, GA.

LOCATION.--Lat 32°52'11", long 82°19'11", Jefferson County, Hydrologic Unit 03060201, at bridge on State Highway 78, 4.5 miles east of Wadley.

DRAINAGE AREA.--990 mi², approximately.

PERIOD OF RECORD.--July 1991 to current year.

REMARKS.--Laboratory chemical analyses 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 1991 TO SEPTEMBER 1992

DATE	TIME	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)
OCT 23...	0850	290	66	64	7.0	7.0	16.0	22.0	5.2	52
NOV 13...	1205	420	59	63	7.1	7.0	8.0	19.0	8.8	74
DEC 10...	1120	600	59	61	6.9	6.6	12.0	21.0	7.3	68
FEB 11...	1125	760	51	48	6.8	6.9	7.5	12.0	9.0	74
MAR 10...	1205	3400	42	42	6.4	6.4	18.5	19.0	5.9	64
APR 28...	1115	1000	57	54	6.9	6.8	15.0	16.0	7.1	71
MAY 18...	1350	450	60	60	6.8	6.9	22.5	29.0	6.6	76
MAY 26...	1140	440	59	56	7.0	7.0	21.5	34.0	6.9	78
JUN 09...	1200	620	53	52	6.8	6.9	23.0	27.0	6.8	80
JUL 14...	1020	350	69	68	6.9	7.0	26.0	32.0	5.5	68
AUG 11...	1050	--	71	69	7.2	7.2	26.5	35.0	6.1	76
SEP 15...	1045	490	64	62	6.6	6.9	23.0	27.0	6.3	73

DATE	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LITY WAT WH TOT FET LAB MG/L AS CACO3	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/LD AS C)
OCT 23...	60	7.0	0.7	110	18	<0.020	0.080	0.080	3.7
NOV 13...	60	7.0	1.5	330	15	0.400	<0.030	0.060	5.1
DEC 10...	80	6.0	1.8	360	12	0.110	<0.030	0.110	5.7
FEB 11...	30	6.0	0.7	110	12	0.140	<0.030	0.050	4.4
MAR 10...	90	12	1.0	490	10	0.020	<0.030	0.120	9.5
APR 28...	110	10	0.4	220	18	0.130	0.040	0.150	7.8
MAY 18...	110	11	0.6	150	18	0.280	0.040	0.110	6.0
MAY 26...	90	15	0.5	130	16	0.250	<0.030	0.110	4.8
JUN 09...	90	13	0.2	130	16	0.190	<0.030	0.080	8.0
JUL 14...	90	10	0.9	730	19	0.250	0.040	0.120	7.0
AUG 11...	75	9.0	0.4	130	20	0.310	<0.030	0.120	6.0
SEP 15...	100	9.0	0.3	230	21	0.160	<0.030	0.120	7.0

OGEECHEE RIVER BASIN

02201000 WILLIAMSON SWAMP CREEK AT DAVISBORO, GA.

LOCATION.--Lat 32°58'32", long 82°36'36", Washington County, Hydrologic Unit 03060201, at 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 National Geodetic Vertical Datum of 1929 (from information obtained from Georgia Department of Transportation). August 16, 1978 to May 8, 1980, crest-stage gage at same site and datum.

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

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 650 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Mar. 7	1600	695	7.73	Sept. 25	0400	1,550	9.04
Aug. 14	2030	*2,340	*9.99				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	29	39	48	71	77	111	124	59	43	76	55	76
2	33	42	50	66	71	101	106	56	38	93	54	68
3	37	42	68	117	68	96	92	52	63	96	38	66
4	36	45	160	131	68	92	86	48	137	165	33	79
5	34	44	108	88	69	107	81	44	100	123	28	107
6	33	45	69	75	83	252	77	44	62	98	26	127
7	30	46	60	66	111	607	131	50	47	93	113	195
8	30	46	56	60	92	477	244	58	40	66	81	170
9	31	49	55	59	77	266	167	68	47	50	46	120
10	36	71	57	59	68	197	119	59	67	40	34	97
11	38	74	51	57	64	205	103	50	58	34	30	83
12	35	58	53	53	63	173	148	45	140	30	35	71
13	33	49	51	120	63	142	153	60	166	28	297	68
14	32	46	58	294	64	123	113	85	186	27	1370	61
15	33	46	64	225	88	114	97	60	169	26	1320	58
16	39	45	56	117	172	106	86	52	118	39	459	53
17	39	45	50	85	158	100	77	47	140	37	246	51
18	37	47	48	76	244	99	71	43	111	36	204	50
19	38	49	46	158	200	160	67	39	70	55	185	49
20	37	47	44	189	140	209	65	58	53	44	196	50
21	36	47	45	123	108	155	126	55	44	41	269	49
22	37	47	48	98	95	117	274	45	40	38	186	54
23	38	46	53	146	184	118	189	38	36	75	195	50
24	38	46	75	193	287	113	110	35	35	80	201	370
25	38	43	66	125	237	112	90	33	33	53	230	1150
26	39	43	54	102	337	201	80	33	31	47	191	359
27	39	43	55	88	245	175	70	33	39	84	132	208
28	39	43	98	90	161	124	67	35	108	114	116	343
29	38	45	218	95	130	106	65	40	81	72	108	294
30	38	46	153	89	---	110	62	60	53	51	92	180
31	39	---	91	85	---	147	---	55	---	45	84	---
TOTAL	1109	1424	2208	3400	3824	5215	3340	1539	2355	1956	6654	4756
MEAN	35.8	47.5	71.2	110	132	168	111	49.6	78.5	63.1	215	159
MAX	39	74	218	294	337	607	274	85	186	165	1370	1150
MIN	29	39	44	53	63	92	62	33	31	26	26	49
CFSM	.33	.44	.65	1.01	1.21	1.54	1.02	.46	.72	.58	1.97	1.45
IN.	.38	.49	.75	1.16	1.31	1.78	1.14	.53	.80	.67	2.27	1.62

OGEECHEE RIVER BASIN

02201000 WILLIAMSON SWAMP CREEK AT DAVISBORO, GA.

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1980 - 1992, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	53.2	69.8	97.7	154	162	164	125	67.4	47.2	46.5	58.1	46.5
MAX	153	156	182	386	263	330	285	154	82.0	101	215	159
(WY)	1991	1986	1984	1987	1983	1991	1983	1991	1987	1984	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 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1980 - 1992	
ANNUAL TOTAL	45455		37780			
ANNUAL MEAN	125		103		91.0	
HIGHEST ANNUAL MEAN					136	
LOWEST ANNUAL MEAN					49.3	
HIGHEST DAILY MEAN	1820	Mar 4	1370	Aug 14	1820	Mar 4 1991
LOWEST DAILY MEAN	28	Sep 30	26	Jul 15	10	Jul 15 1986
ANNUAL SEVEN-DAY MINIMUM	31	Sep 25	32	Jul 11	12	Jul 11 1986
INSTANTANEOUS PEAK FLOW			2340	Aug 14	3430	Mar 13 1980
INSTANTANEOUS PEAK STAGE			9.99	Aug 14	11.13	Mar 13 1980
INSTANTANEOUS LOW FLOW			25	Jul 15, Aug 6	9.5	Jul 15,16 1986
ANNUAL RUNOFF (CFSM)	1.14		.95		.83	
ANNUAL RUNOFF (INCHES)	15.51		12.89		11.34	
10 PERCENT EXCEEDS	222		195		191	
50 PERCENT EXCEEDS	69		67		55	
90 PERCENT EXCEEDS	36		37		22	

OGEECHEE RIVER BASIN

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

WATER-QUALITY RECORDS

PERIOD OF RECORD.--September 1990 to current year.

REMARKS.--Laboratory analyses 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 by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	TIME	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)
NOV 13...	1325	50	58	60	7.0	7.1	9.5	19.5	9.2	81
JAN 27...	1135	88	52	52	6.7	6.7	8.0	12.0	6.9	58
MAR 10...	1300	191	50	49	6.6	6.6	17.0	17.5	7.1	75
MAY 26...	1235	34	66	63	7.0	7.0	21.5	30.5	7.6	87
JUL 14...	1120	27	68	64	7.2	7.1	25.5	36.0	6.5	80
SEP 15...	1125	59	61	58	6.8	6.9	21.5	27.0	6.4	73

DATE	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LITY WAT WH TOT FET LAB MG/L AS CACO3	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)
NOV 13...	20	4.0	1.0	170	17	0.200	0.030	0.060	3.5
JAN 27...	40	5.0	1.6	45	14	0.180	<0.030	0.020	3.9
MAR 10...	80	11	0.9	170	13	0.160	0.030	0.090	7.6
MAY 26...	40	7.0	1.0	60	23	0.240	<0.030	0.080	3.8
JUL 14...	50	7.0	0.7	130	21	0.220	<0.030	0.100	6.0
SEP 15...	110	9.0	0.8	170	20	0.150	0.080	0.080	7.0

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 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 current year.

REMARKS.--Laboratory chemical analyses 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 1991 TO SEPTEMBER 1992

DATE	TIME	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)
OCT 22...	0915	510	110	115	7.3	7.2	16.0	19.0	5.7	57
NOV 12...	0840	610	104	107	7.3	7.1	9.0	7.5	8.9	76
DEC 10...	0930	850	95	97	7.2	7.0	12.0	17.5	8.2	76
JAN 27...	0925	3300	61	60	6.8	6.6	8.0	11.5	8.1	67
FEB 11...	0935	2350	71	64	6.8	6.9	8.5	9.5	8.1	68
MAR 10...	0930	4200	60	60	6.7	6.7	19.5	21.0	8.3	91
APR 28...	0820	2200	77	73	6.9	6.9	15.0	11.0	5.1	50
MAY 26...	0925	660	99	96	7.1	7.1	24.0	25.0	5.4	64
JUN 09...	0950	1300	86	81	7.0	6.9	24.0	30.0	5.8	69
JUL 14...	0820	2100	70	67	6.7	6.9	27.5	29.0	4.8	60
AUG 11...	0850	570	104	100	6.9	7.1	32.0	28.0	4.8	66
SEP 15...	0840	1900	79	76	6.9	6.9	22.0	24.5	5.3	60

DATE	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	OXYGEN DEMAND, CHEM- ICAL (LOW LEVEL) (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LINITY WAT WH TOT FET LAB MG/L AS CACO3	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L)
OCT 22...	30	8.0	—	0.9	50	34	8
NOV 12...	55	8.0	12	0.9	490	33	3
DEC 10...	60	7.0	21	1.0	80	29	2
JAN 27...	40	8.0	14	1.7	80	10	3
FEB 11...	35	6.0	21	0.9	70	17	3
MAR 10...	80	6.0	28	0.8	130	18	3
APR 28...	110	11	31	0.5	170	25	3
MAY 26...	60	11	22	0.6	80	32	7
JUN 09...	75	9.0	27	0.3	490	28	3
JUL 14...	100	8.0	25	0.9	110	21	3
AUG 11...	90	8.0	—	0.5	130	31	4
SEP 15...	110	7.0	—	0.9	110	25	2

OGEECHEE RIVER BASIN

02202190 OGEECHEE RIVER NEAR OLIVER, GA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 22...	0.300	0.080	--	0.090	4.4
NOV 12...	0.260	<0.030	0.20	0.130	6.9
DEC 10...	0.070	<0.030	0.20	0.120	6.0
JAN 27...	<0.020	<0.030	0.40	0.110	7.6
FEB 11...	<0.020	<0.030	0.20	0.060	7.4
MAR 10...	<0.020	<0.030	0.20	0.110	10
APR 28...	0.150	<0.030	0.40	0.150	10
MAY 26...	0.350	<0.030	0.30	0.140	4.9
JUN 09...	0.210	<0.030	0.40	0.070	9.0
JUL 14...	0.070	<0.030	0.30	0.130	11
AUG 11...	0.290	0.060	--	0.130	8.0
SEP 15...	0.080	<0.030	--	0.110	10

OGEECHEE RIVER BASIN

02202500 OGEECHEE RIVER NEAR EDEN, GA.

(National Stream-Quality Accounting Network station)

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 National Geodetic Vertical Datum of 1929 (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)
Mar. 3	2200	*7,350	*10.08	Mar. 16	0800	6,900	9.92

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	942	490	647	1110	4150	5550	3280	2210	878	1540	924	3820
2	998	488	655	1210	4090	6240	3330	2070	928	1420	891	3620
3	1050	485	670	1310	3950	7060	3350	1960	1030	1350	868	3370
4	1060	483	706	1420	3760	7280	3290	1900	1220	1420	892	3060
5	1030	480	738	1520	3560	6760	3150	1840	1370	1580	1220	2750
6	959	479	763	1600	3450	6030	2990	1770	1430	1810	1670	2480
7	870	475	783	1670	3440	5400	2870	1670	1480	2040	1600	2360
8	802	473	808	1720	3390	4930	2790	1540	1530	2250	1380	2610
9	745	500	826	1750	3340	4710	2720	1410	1570	2420	1280	2940
10	705	554	842	1750	3240	4620	2650	1240	1580	2410	1270	3050
11	679	606	858	1720	3040	4570	2600	1120	1550	2300	1160	2910
12	654	638	878	1690	2830	4460	2640	1040	1540	2210	979	2710
13	630	650	905	1770	2660	4550	2620	976	1860	2100	806	2510
14	603	644	936	2130	2520	5320	2640	928	2670	2010	689	2310
15	581	630	971	2250	2400	6480	2810	891	3660	2010	686	2160
16	565	625	998	2380	2310	6830	2960	860	4190	2100	891	2050
17	562	626	1010	2500	2310	6610	2960	837	4310	2160	1510	2010
18	557	637	1020	2540	2490	6600	2870	818	4540	2110	2200	1970
19	543	649	993	2560	2670	6760	2750	800	4700	1960	2670	1910
20	529	659	949	2560	2920	6400	2600	794	4510	1800	2940	1810
21	518	668	900	2610	3140	5670	2530	802	4000	2040	2990	1670
22	517	678	862	2690	3290	4990	2550	811	3490	1840	3000	1520
23	526	686	835	2880	3410	4470	2560	823	3080	1530	2890	1370
24	530	686	818	3060	3520	4030	2720	820	2790	1330	2910	1520
25	524	679	804	3240	3660	3720	2860	795	2690	1200	3400	1330
26	515	667	800	3500	3820	3610	2920	764	2730	1150	3900	1170
27	516	655	800	3680	3990	3450	2900	734	2670	1130	4240	1140
28	511	647	808	3690	4360	3350	2770	720	2510	1080	4480	1130
29	503	643	846	3790	4930	3240	2580	735	2160	1010	4530	1090
30	497	644	909	3930	---	3160	2380	791	1780	973	4380	1030
31	493	---	1010	4100	---	3260	---	836	---	958	4090	---
TOTAL	20714	17924	26348	74330	96640	160110	84640	35305	74446	53241	67336	65380
MEAN	668	597	850	2398	3332	5165	2821	1139	2482	1717	2172	2179
MAX	1060	686	1020	4100	4930	7280	3350	2210	4700	2420	4530	3820
MIN	493	473	647	1110	2310	3160	2380	720	878	958	686	1030
CFSM	.25	.23	.32	.90	1.26	1.95	1.06	.43	.94	.65	.82	.82
IN.	.29	.25	.37	1.04	1.36	2.25	1.19	.50	1.05	.75	.95	.92

OGEECHEE RIVER BASIN

02202500 OGEECHEE RIVER NEAR EDEN, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1937 - 1992, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	1124	1011	1872	2981	4257	5311	4305	2100	1406	1216	1328	1144
MAX	5985	6387	10010	7520	12480	11570	10820	5814	4141	4240	7579	6812
(WY)	1965	1948	1949	1987	1960	1966	1948	1964	1973	1941	1991	1964
MIN	190	296	516	673	782	1051	835	407	257	163	206	138
(WY)	1982	1955	1955	1956	1989	1938	1985	1985	1988	1986	1954	1990

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1937 - 1992	
ANNUAL TOTAL	1493844		776414		2321	
ANNUAL MEAN	4093		2121		5370	
HIGHEST ANNUAL MEAN					874	
LOWEST ANNUAL MEAN					28600	
HIGHEST DAILY MEAN	22500		7280		Mar 19 1980	
LOWEST DAILY MEAN	473		473		Nov 8	
ANNUAL SEVEN-DAY MINIMUM	480		480		Nov 2	
INSTANTANEOUS PEAK FLOW			7350		Mar 3	
INSTANTANEOUS PEAK STAGE			10.08		Mar 3	
INSTANTANEOUS LOW FLOW			473		Nov 8	
ANNUAL RUNOFF (CFSM)	1.54		.80		.88	
ANNUAL RUNOFF (INCHES)	20.97		10.90		11.90	
10 PERCENT EXCEEDS	9400		4090		5560	
50 PERCENT EXCEEDS	3000		1770		1330	
90 PERCENT EXCEEDS	644		644		398	

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.

EXTREMES FOR PERIOD OF DAILY RECORD.--

REMARKS.--Traditionally, dissolved trace-element concentrations have been reported at the microgram per liter (lg/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 lg/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 1994.

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 1991 TO SEPTEMBER 1992

DATE	TIME	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)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CaCO3
NOV 05...	1400	480	118	116	7.6	7.6	14.5	9.2	90	47	39
FEB 04...	1400	3740	53	58	6.9	6.8	10.0	9.9	88	17	14
MAR 24...	1315	4000	57	58	7.1	7.2	14.0	8.5	82	17	14
MAY 19...	1330	800	90	95	7.2	7.3	23.5	6.8	80	38	31
JUL 28...	1230	1080	83	87	6.9	7.2	28.5	5.1	66	28	23
SEP 01...	1400	3790	53	70	6.7	7.0	24.5	6.0	72	19	15

DATE	ALKA-LINITY WAT.DIS FET LAB CaCO3 (MG/L)	TUR-BID-ITY (NTU)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP-TOCOC CI, KF AGAR (COLS. PER 100 ML)	HARD-NESS TOTAL (MG/L AS CaCO3)	CALCIUM DIS-SOLVED (MG/L AS Ca)	MAGNE-SIUM, DIS-SOLVED (MG/L AS Mg)	SODIUM, DIS-SOLVED (MG/L AS Na)	SODIUM PERCENT	SODIUM AD-SORP-TION RATIO	POTAS-SIUM, DIS-SOLVED (MG/L AS K)
NOV 05...	42	5.7	200	K1100	37	12	1.6	8.9	33	0.6	1.5
FEB 04...	12	4.8	71	100	16	4.8	1.0	3.8	32	0.4	1.3
MAR 24...	16	6.6	37	46	18	5.4	1.1	3.7	29	0.4	1.5
MAY 19...	32	6.9	22	53	30	9.7	1.5	6.5	31	0.5	1.2
JUL 28...	28	7.9	130	44	30	9.2	1.6	5.7	28	0.5	1.5
SEP 01...	20	5.4	K150	330	21	6.4	1.2	3.2	23	0.3	1.4

DATE	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	SOLIDS, DIS-SOLVED (TONS PER DAY)	SOLIDS, DIS-SOLVED (TONS PER AC-FT)
NOV 05...	4.0	8.8	<0.10	11	80	72	104	0.11
FEB 04...	4.2	6.4	0.20	8.6	63	39	636	0.09
MAR 24...	2.1	5.0	<0.10	6.7	36	34	389	0.05
MAY 19...	3.0	6.6	<0.10	9.2	74	59	160	0.10
JUL 28...	2.7	6.8	<0.10	11	82	53	239	0.11
SEP 01...	1.6	4.8	<0.10	11	75	40	767	0.10

OGEECHEE RIVER BASIN

02202500 OGEECHEE RIVER NEAR EDEN, GA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N)	NITRO- GEN, NO ₂ +NO ₃ TOTAL (MG/L AS N)	NITRO- GEN, NO ₂ +NO ₃ DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	PHOS- PHORUS DIS- SOLVED (MG/L AS P)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P)
NOV 05...	<0.010	0.058	<0.050	0.020	<0.010	0.010	-	<0.20	0.010	<0.010	0.020
FEB 04...	<0.010	<0.050	<0.050	0.030	<0.010	0.030	0.37	0.40	0.020	<0.010	0.010
MAR 24...	<0.010	0.050	<0.050	0.020	<0.010	0.040	0.38	0.40	0.040	0.020	0.010
MAY 19...	<0.010	0.380	0.360	0.040	0.020	0.040	0.26	0.30	0.200	0.060	0.030
JUL 28...	<0.010	0.220	0.220	0.030	<0.010	0.040	0.37	0.40	0.080	0.050	0.040
SEP 01...	<0.010	<0.050	<0.050	0.030	<0.010	0.030	0.57	0.60	0.060	0.040	0.020

DATE	ALUM- INUM, DIS- SOLVED (UG/L AS AL)	BARIUM, DIS- SOLVED (UG/L AS BA)	COBALT, DIS- SOLVED (UG/L AS CO)	IRON, DIS- SOLVED (UG/L AS FE)	LITHIUM DIS- SOLVED (UG/L AS LI)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)
NOV 05...	30	24	<3	640	<4	42
FEB 04...	160	18	<3	410	<4	13
MAY 19...	40	28	<3	900	<4	49
SEP 01...	70	28	5	950	<4	32

DATE	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO)	NICKEL, DIS- SOLVED (UG/L AS NI)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	SILVER, DIS- SOLVED (UG/L AS AG)	STRON- TIUM, DIS- SOLVED (UG/L AS SR)	VANA- DIUM, DIS- SOLVED (UG/L AS V)
NOV 05...	<10	<1	<1	<1.0	37	<6
FEB 04...	<10	<1	<1	<1.0	17	<6
MAY 19...	<10	<1	<1	<1.0	35	<6
SEP 01...	<10	8	<1	<1.0	26	<6

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND	TEMPER- ATURE WATER (DEG C)	SEDI- MENT, SUS- PENDE (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
NOV 05...	1405	480	14.5	3	3.9	97
FEB 04...	1405	3740	10.0	9	91	50
MAR 24...	1320	4000	14.0	9	97	90
MAY 19...	1335	800	23.5	10	22	96
JUL 28...	1235	1080	28.5	10	29	83
SEP 01...	1405	3790	24.5	5	51	99

OGEECHEE RIVER BASIN

02202600 BLACK CREEK NEAR BLITCHTON, GA.

LOCATION.--Lat 32°10'04", long 81°29'18", Bryan County, Hydrologic Unit 03060202, at 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 National Geodetic Vertical Datum of 1929 (from topographic map).

REMARKS.--Records good.

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)
Jan. 16	2100	1,010	8.83	June 14	2300	1,280	9.33
Feb. 9	1600	947	8.70	Aug. 18	0400	*1,580	*9.79
Feb. 20	2400	1,260	9.29				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	23	3.5	7.5	78	847	262	462	87	85	67	14	120
2	21	3.1	8.3	63	872	228	648	73	76	63	11	93
3	21	2.8	9.6	54	781	184	682	57	62	68	16	82
4	18	2.7	21	53	621	157	485	42	163	161	14	85
5	19	2.6	30	50	447	139	298	30	273	255	32	98
6	21	2.5	39	50	370	128	207	22	336	246	102	144
7	17	2.4	43	48	488	125	169	17	232	151	110	191
8	13	2.3	40	43	724	127	151	14	118	91	111	279
9	11	6.3	32	38	924	133	156	12	99	56	179	291
10	10	11	27	34	886	134	155	10	161	32	140	232
11	12	18	24	30	733	148	143	8.8	183	19	96	205
12	12	22	20	27	527	165	144	7.0	186	15	69	331
13	9.0	26	18	73	371	164	190	5.8	322	9.5	55	672
14	7.2	26	17	329	286	151	239	5.6	985	5.8	46	557
15	5.9	21	17	641	250	132	273	5.2	1190	4.3	66	321
16	5.9	17	15	942	231	113	247	4.9	932	4.3	270	206
17	8.0	14	14	929	242	96	186	6.4	867	3.6	1150	140
18	9.7	12	13	685	459	88	140	7.9	703	7.5	1550	102
19	13	11	12	481	800	97	121	7.3	474	36	1350	79
20	14	9.7	10	352	1170	135	114	7.6	286	23	1250	61
21	11	9.2	9.9	303	1220	173	155	13	193	316	1270	45
22	9.1	9.2	9.9	320	1030	193	283	14	134	358	1250	34
23	7.6	9.6	9.7	405	810	172	550	12	93	411	1110	34
24	6.2	8.9	11	511	632	150	709	9.9	76	383	1050	145
25	5.2	8.0	11	632	543	132	686	7.5	67	236	855	225
26	4.4	7.6	11	741	528	176	508	5.6	63	165	613	203
27	5.1	7.2	14	734	474	212	295	4.1	47	129	436	156
28	5.0	7.1	19	621	408	245	191	3.3	35	89	354	121
29	4.6	7.3	36	536	323	236	134	6.0	42	55	269	102
30	4.2	7.0	52	536	---	207	102	56	60	32	211	77
31	3.7	---	75	703	---	306	---	81	---	21	165	---
TOTAL	336.8	297.0	675.9	11042	17997	5108	8823	642.9	8543	3513.0	14214	5431
MEAN	10.9	9.90	21.8	356	621	165	294	20.7	285	113	459	181
MAX	23	26	75	942	1220	306	709	87	1190	411	1550	672
MIN	3.7	2.3	7.5	27	231	88	102	3.3	35	3.6	11	34
CFSM	.05	.04	.09	1.54	2.67	.71	1.27	.09	1.23	.49	1.98	.78
IN.	.05	.05	.11	1.77	2.89	.82	1.41	.10	1.37	.56	2.28	.87

OGEECHEE RIVER BASIN

02202600 BLACK CREEK NEAR BLITCHTON, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1980 - 1992, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	50.1	81.3	133	372	433	342	221	128	107	97.6	175	120
MAX	372	754	627	1203	979	794	534	867	696	299	1105	486
(WY)	1990	1986	1990	1987	1983	1984	1980	1991	1991	1989	1991	1989
MIN	.96	1.90	2.14	2.96	11.8	28.8	6.78	1.08	.92	.36	.69	.61
(WY)	1984	1981	1981	1981	1981	1985	1985	1985	1990	1990	1980	1990

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR				FOR 1992 WATER YEAR				WATER YEARS 1980 - 1992			
ANNUAL TOTAL	166297.7				76623.6							
ANNUAL MEAN	456				209				187			
HIGHEST ANNUAL MEAN									463			
LOWEST ANNUAL MEAN									13.3			
HIGHEST DAILY MEAN	5110				1550				5110			
LOWEST DAILY MEAN	2.3				2.3				.23			
ANNUAL SEVEN-DAY MINIMUM	2.6				2.6				.27			
INSTANTANEOUS PEAK FLOW					1580				5620			
INSTANTANEOUS PEAK STAGE					9.79				12.91			
INSTANTANEOUS LOW FLOW					2.2				a.00			
ANNUAL RUNOFF (CFSM)	1.96				.90				.80			
ANNUAL RUNOFF (INCHES)	26.66				12.29				10.93			
10 PERCENT EXCEEDS	1260				655				555			
50 PERCENT EXCEEDS	181				90				32			
90 PERCENT EXCEEDS	9.6				7.2				1.3			

a Observed.

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.

WATER-DISCHARGE RECORDS

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 National Geodetic Vertical Datum of 1929 (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. 28	1400	2,140	10.37	Aug. 22	1200	*3,280	*11.74
Aug. 17	1500	2,600	11.01	Sept. 6	0700	1,980	10.10

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	146	20	25	328	1420	1590	1390	205	119	152	89	593
2	138	18	26	340	1380	1370	1480	156	131	150	63	427
3	197	17	31	339	1200	1160	1340	125	136	145	53	401
4	202	17	44	334	1020	967	1020	104	316	171	49	1240
5	171	16	66	331	875	813	776	86	548	204	40	1480
6	136	16	71	358	888	742	649	72	588	187	41	1940
7	107	15	91	343	1140	798	588	65	544	191	61	1750
8	82	16	110	303	1370	886	605	63	420	180	66	1650
9	69	17	103	254	1450	1000	622	61	354	166	87	1560
10	67	20	98	209	1290	1160	624	55	498	148	89	1450
11	115	25	89	180	1060	1510	656	52	740	107	61	1390
12	131	31	80	143	930	1780	726	52	1080	73	46	1190
13	116	32	86	325	844	1610	787	62	1260	51	44	974
14	99	37	110	764	762	1330	754	142	1140	38	95	736
15	86	42	96	939	712	1020	667	150	1160	33	280	536
16	87	42	71	1110	691	813	579	113	1340	40	1060	422
17	88	40	57	1160	719	702	532	111	1560	40	2400	353
18	79	40	48	1020	995	631	516	145	1540	64	2140	296
19	77	38	43	895	1350	652	443	143	1200	115	1550	252
20	59	34	43	934	1620	777	337	109	881	180	1510	211
21	44	31	43	972	1710	864	303	93	840	277	2370	176
22	40	29	41	974	1570	929	556	82	647	194	3240	148
23	38	28	40	979	1510	905	765	68	379	262	2960	129
24	35	26	41	1050	1500	833	756	54	256	293	2390	182
25	31	25	40	1120	1450	807	654	42	211	211	1920	189
26	29	25	37	1200	1440	843	555	34	190	273	1520	187
27	27	24	37	1260	1660	851	507	29	158	283	1320	196
28	25	23	57	1170	2100	848	447	26	129	278	1240	157
29	23	23	114	1110	1940	819	357	28	129	222	1180	127
30	22	25	180	1200	---	818	269	50	156	140	999	112
31	23	---	253	1350	---	1170	---	105	---	119	805	---
TOTAL	2589	792	2271	22994	36596	30998	20260	2682	18650	4987	29768	20454
MEAN	83.5	26.4	73.3	742	1262	1000	675	86.5	622	161	960	682
MAX	202	42	253	1350	2100	1780	1480	205	1560	293	3240	1940
MIN	22	15	25	143	691	631	269	26	119	33	40	112
CFSM	.15	.05	.13	1.34	2.27	1.80	1.22	.16	1.12	.29	1.73	1.23
IN.	.17	.05	.15	1.54	2.45	2.08	1.36	.18	1.25	.33	2.00	1.37

OGEECHEE RIVER BASIN

02203000 CANOOCHEE RIVER NEAR CLAXTON, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1937 - 1992, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	197	183	402	679	955	1125	778	361	242	259	279	235
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	1.22
(WY)	1955	1955	1955	1955	1950	1955	1968	1985	1950	1986	1954	1990

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1937 - 1992	
ANNUAL TOTAL	345186		193041			
ANNUAL MEAN	946		527		471	
HIGHEST ANNUAL MEAN					1283	
LOWEST ANNUAL MEAN					77.7	
HIGHEST DAILY MEAN	6990	Aug 30	3240	Aug 22	11200	Mar 1 1939
LOWEST DAILY MEAN	15	Nov 7	15	Nov 7	.62	Nov 8 1983
ANNUAL SEVEN-DAY MINIMUM	16	Nov 3	16	Nov 3	.72	Nov 2 1983
INSTANTANEOUS PEAK FLOW			3280	Aug 22	12600	May 26 1966
INSTANTANEOUS PEAK STAGE			11.74	Aug 22	16.58	May 26 1966
INSTANTANEOUS LOW FLOW			15	Nov 7	.62	Nov 8 1983
ANNUAL RUNOFF (CFSM)	1.70		.95		.85	
ANNUAL RUNOFF (INCHES)	23.14		12.94		11.54	
10 PERCENT EXCEEDS	2240		1390		1320	
50 PERCENT EXCEEDS	630		216		160	
90 PERCENT EXCEEDS	37		33		7.4	

OGEECHEE RIVER BASIN

02203000 CANOOCHEE RIVER NEAR CLAXTON, GA.--Continued

WATER-QUALITY RECORDS

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

REMARKS.--Laboratory chemical analyses 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 1991 TO SEPTEMBER 1992

DATE	TIME	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)
OCT 23...	0650	38	47	44	5.9	5.9	18.5	19.0	4.7	50
NOV 12...	0720	29	46	50	6.1	6.1	9.5	7.5	6.8	59
DEC 12...	0710	80	49	50	6.0	6.3	14.0	10.5	7.2	69
JAN 23...	0705	951	99	104	6.3	6.5	10.5	16.0	6.3	56
FEB 13...	0715	860	66	63	6.1	6.3	11.0	10.0	8.9	80
MAR 12...	0655	1790	40	39	5.7	5.7	12.5	6.0	7.2	68
MAY 18...	1140	147	51	51	5.8	5.9	21.0	27.5	5.9	66
28...	0900	25	50	46	5.9	6.0	22.0	22.5	5.1	58
JUN 11...	0855	685	47	44	5.8	6.3	24.0	25.5	5.2	62

DATE	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	BIO- CHEM- ICAL, 5 DAY (MG/L)	OXYGEN DEMAND, FORM, FECAL, EC BROTH (MPN)	COLI- WAT WH TOT FET LAB MG/L AS CACO3	ALKA- LITY AT 105 DEG. C, SUS- PENDE (MG/L)	RESIDUE TOTAL GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- PHOS- PHORUS TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 23...	240	5.0	2.1	4900	6	5	0.230	0.050	0.090	13
NOV 12...	100	4.0	0.7	410	6	1	0.880	<0.030	0.120	17
DEC 12...	140	4.0	1.2	4100	6	2	<0.020	<0.030	0.090	14
JAN 23...	110	37	2.2	790	11	23	1.22	0.300	0.270	15
FEB 13...	90	7.0	1.7	130	6	3	0.640	0.090	0.110	13
MAR 12...	120	6.0	1.3	490	2	4	0.040	0.040	0.100	12
MAY 18...	160	7.0	1.3	330	5	9	0.170	0.060	0.110	16
28...	110	5.0	1.2	<20	6	2	0.230	0.110	0.140	13
JUN 11...	120	8.0	1.5	330	4	6	0.100	0.100	0.070	18

OGEECHEE RIVER BASIN

02203010 CANOOCHEE RIVER NEAR DAISY, GA.

LOCATION.--Lat 32°10'43", long 81°49'44", Evans County, Hydrologic Unit 03060203, at bridge on county road, 2 miles north of Daisy.
 PERIOD OF RECORD.--July 1992 to September 1992.

REMARKS.--Laboratory chemical analyses 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 1991 TO SEPTEMBER 1992

DATE	TIME	GAGE HEIGHT (FEET)	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)
JUL 16...	0610	9.89	55	50	6.1	6.3	26.0	22.0	4.3	53
AUG 13...	0700	9.56	51	47	6.0	6.1	26.0	25.0	4.3	53
SEP 17...	0535	15.91	48	44	5.9	5.9	22.5	20.0	5.3	61

DATE	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LITY WAT WH TOT 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)
JUL 16...	120	9.0	0.7	130	9	3	0.170	0.050	0.210	39
AUG 13...	110	5.0	0.7	230	6	3	0.220	0.060	0.160	15
SEP 17...	150	6.0	1.5	70	7	7	0.100	0.550	0.080	18

OGEECHEE RIVER BASIN

02203519 CANOOCHEE RIVER NEAR RICHMOND HILL, GA.

LOCATION.--Lat 31°58'59", long 81°23'07", Bryan County, Hydrologic Unit 03060203, at 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 current year.

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	TIME	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)
OCT									
10...	1330	65	70	6.3	6.0	20.0	26.0	5.7	62
NOV									
12...	1400	91	92	6.7	6.6	11.5	18.5	7.1	65
DEC									
12...	0930	82	80	6.7	6.7	14.0	15.5	6.9	66
JAN									
23...	0910	56	56	5.6	5.7	9.0	16.5	7.1	61
FEB									
13...	1010	49	46	5.6	5.4	10.0	11.0	9.3	82
MAR									
12...	1000	47	46	5.8	5.8	13.0	10.5	7.1	67
APR									
30...	0610	47	—	5.8	—	16.0	8.5	5.8	58
MAY									
18...	0740	60	61	6.2	6.2	22.0	24.0	5.6	63
28...	0735	66	61	6.3	6.4	23.5	23.0	4.9	58
JUN									
11...	0720	57	54	5.6	5.8	25.0	25.0	5.2	63
JUL									
16...	0810	57	53	6.1	6.2	27.0	24.5	4.8	60
AUG									
13...	0810	53	52	5.9	6.0	26.5	28.0	4.4	55
SEP									
17...	0750	45	58	5.3	5.4	24.0	25.0	4.8	57

DATE	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LITY WAT WH TOT 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)
OCT										
10...	120	6.0	0.8	110	6	4	0.210	0.070	0.120	17
NOV										
12...	95	4.0	0.6	20	14	<1	<0.020	<0.030	0.240	11
DEC										
12...	120	4.0	1.0	80	13	3	0.320	0.030	0.140	15
JAN										
23...	110	19	0.4	75	4	—	0.080	<0.030	0.130	15
FEB										
13...	110	6.0	1.9	80	3	2	0.030	<0.030	0.070	22
MAR										
12...	160	5.0	1.1	130	4	4	0.050	<0.030	0.110	12
APR										
30...	—	—	—	—	—	—	—	—	—	—
MAY										
18...	120	6.0	1.2	170	6	6	0.610	0.060	0.160	12
28...	120	5.0	1.8	50	8	4	0.540	0.040	0.170	9.9
JUN										
11...	240	5.0	1.5	220	4	<1	0.120	0.030	0.080	22
JUL										
16...	120	6.0	1.1	70	8	4	0.310	0.070	0.210	22
AUG										
13...	120	7.0	1.0	24000	6	3	0.160	<0.030	0.190	23
SEP										
17...	250	6.0	1.4	220	5	9	0.020	0.060	0.090	26

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 Halfmoon Landing, at mile 9.9.

DRAINAGE AREA.--157 mi².

PERIOD OF RECORD.--September 1966 to current year.

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

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 1991 TO SEPTEMBER 1992

DATE	TIME	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)
OCT									
10...	1130	32200	38600	7.7	7.5	21.5	26.0	7.1	90
NOV									
12...	1250	34900	40800	7.6	7.6	13.5	20.0	8.4	92
DEC									
12...	1400	32800	42200	7.7	7.7	16.0	22.0	9.1	103
JAN									
23...	1045	34400	38500	7.7	7.7	10.5	16.5	6.2	63
FEB									
13...	1615	31300	34900	7.6	7.6	11.5	13.5	8.8	91
MAR									
12...	1445	25200	31100	7.6	7.7	17.0	16.5	7.8	89
APR									
30...	0730	28500	-	7.6	-	20.0	15.5	6.4	78
MAY									
18...	1050	29300	33500	7.4	7.4	24.5	27.0	6.1	80
28...	0610	33100	37800	7.5	7.5	25.0	22.0	7.1	97
JUN									
11...	0540	29400	36400	7.3	7.4	27.5	24.5	5.2	73
JUL									
16...	1015	30300	33600	7.3	7.5	30.0	27.0	4.9	71
AUG									
13...	0945	34000	37400	7.5	7.5	29.5	28.0	5.3	78
SEP									
17...	1045	26900	27000	7.3	7.4	26.5	25.5	5.0	68

NORTH NEWPORT RIVER BASIN

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LINITY WAT WH TOT FET LAB MG/L AS CACO3	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	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)
OCT 10...	20	18	0.9	<20	98	—	66	<0.020	0.070	0.090	6.2
NOV 12...	10	6.0	1.7	<20	103	17000	32	<0.020	<0.030	0.130	8.4
DEC 12...	25	3.0	1.8	<20	108	18000	19	<0.020	<0.030	0.090	5.8
JAN 23...	10	17	0.3	<20	104	16000	57	—	0.040	0.140	8.1
FEB 13...	15	6.0	2.1	<20	86	15000	19	<0.020	<0.030	0.060	7.2
MAR 12...	25	7.0	1.0	<20	84	12000	27	<0.020	0.030	0.080	5.7
APR 30...	—	—	—	—	—	—	—	—	—	—	—
MAY 18...	30	25	1.1	<20	85	14000	70	<0.020	<0.030	0.120	9.0
28...	20	8.0	1.6	2300	94	16000	11	<0.020	<0.030	0.090	6.0
JUN 11...	30	12	1.4	<20	91	15000	23	<0.020	0.060	0.060	8.0
JUL 16...	40	23	1.4	<20	95	14000	48	<0.020	<0.030	0.420	7.0
AUG 13...	20	7.0	1.4	<20	110	16000	31	<0.020	<0.030	0.180	—
SEP 17...	50	26	1.5	<20	91	11000	75	<0.020	0.100	0.140	6.0

ALTAMAHA RIVER BASIN

02203800 SOUTH RIVER AT ATLANTA, GA.

LOCATION.--Lat 33°40'46", long 84°18'30", DeKalb County, Hydrologic Unit 03070103, at the bridge on Bouldercrest Road at Atlanta, 0.4 mi southeast of Interstate Highway 285, and 1.1 mi upstream from Sugar Creek.

DRAINAGE AREA.--41.5 mi².

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 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 1991 TO SEPTEMBER 1992

DATE	TIME	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)
OCT										
03...	0940	13	200	204	7.2	7.2	18.5	24.0	7.9	87
NOV										
07...	1000	21	—	242	7.2	7.1	10.5	14.5	8.4	—
DEC										
05...	1000	20	150	156	7.3	6.9	6.0	5.5	10.4	85
JAN										
09...	0940	53	178	175	7.4	7.1	10.0	11.0	10.2	93
FEB										
06...	0930	28	180	179	7.4	6.9	8.0	7.5	10.0	88
MAR										
05...	0930	22	197	193	—	7.0	13.0	15.0	9.0	87
APR										
09...	0845	24	152	170	7.2	7.1	13.5	16.0	9.2	90
MAY										
07...	0840	17	185	172	7.3	7.0	13.0	9.5	7.5	73
JUN										
04...	0845	800	72	63	7.0	6.5	19.0	21.5	6.5	73
JUL										
09...	0815	34	172	153	7.2	7.1	22.0	25.0	4.9	57
AUG										
06...	0830	29	190	198	—	7.1	22.0	24.0	6.4	75
SEP										
03...	0815	40	190	194	7.4	7.2	21.0	23.0	6.5	74

DATE	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LITY WAT WH TOT 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)
OCT									
03...	6.0	1.8	1300	41	3	0.970	0.410	0.120	3.7
NOV									
07...	11	7.8	13000	50	12	0.340	1.71	0.210	8.5
DEC									
05...	10	2.3	35000	40	5	0.730	0.240	<0.020	4.8
JAN									
09...	18	6.5	14000	39	18	1.09	0.460	0.190	11
FEB									
06...	19	4.0	7900	38	13	1.03	0.370	0.100	6.8
MAR									
05...	6.0	7.4	1700	42	3	1.07	0.030	0.030	5.9
APR									
09...	6.0	1.5	7000	44	3	0.870	0.290	0.110	3.7
MAY									
07...	7.0	>7.8	4100	43	3	1.04	0.250	0.120	16
JUN									
04...	270	6.4	35000	14	301	0.380	0.180	0.210	14
JUL									
09...	5.0	3.0	3300	28	3	0.480	0.470	0.150	5.0
AUG									
06...	6.0	1.7	7400	44	3	1.05	0.210	0.030	4.0
SEP									
03...	6.0	1.6	1700	51	6	1.14	0.240	0.070	4.0

ALTAMAHA RIVER BASIN

02203965 SOUTH RIVER NEAR LITHONIA, GA.

LOCATION.--Lat 33°39'14", long 84°11'12", DeKalb County, Hydrologic Unit 03070103, at bridge on State Highway 155, 2.0 mi south of State Highway 212, 2.4 mi downstream from Snapfinger Creek, and 6.2 mi southwest of Lithonia.

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 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 1991 TO SEPTEMBER 1992

DATE	TIME	GAGE HEIGHT (FEET)	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)
OCT 03...	0900	1.82	300	302	7.4	7.6	20.0	23.5	8.6	97
NOV 07...	1100	1.92	275	277	7.6	7.5	10.0	18.0	10.4	94
DEC 05...	0915	1.67	220	216	7.5	7.3	9.0	5.5	10.6	93
JAN 09...	0910	1.97	225	238	7.6	7.5	11.0	12.0	11.0	103
FEB 06...	0900	1.87	186	185	7.6	7.3	10.0	8.5	11.8	108
MAR 05...	0900	1.97	230	233	—	7.5	15.0	15.0	9.4	95
APR 09...	0815	1.87	230	225	7.5	7.6	15.0	14.5	9.6	97
MAY 07...	0800	1.47	245	238	7.7	7.3	15.0	10.5	9.2	93
JUN 04...	0805	3.35	95	87	7.1	6.6	20.0	22.0	6.0	68
JUL 09...	0740	1.80	255	237	7.7	7.5	24.0	23.0	6.7	81
AUG 06...	0750	1.77	290	319	—	7.4	24.0	24.0	6.6	80
SEP 03...	0745	1.84	270	288	7.4	7.6	23.0	23.0	7.3	87

DATE	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LITY WAT WH TOT 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)
OCT 03...	5.0	1.0	80	43	3	5.45	0.330	0.290	3.5
NOV 07...	6.0	0.4	1800	64	10	4.03	0.280	0.500	2.6
DEC 05...	13	1.3	7000	54	6	2.89	<0.030	0.270	4.5
JAN 09...	6.0	0.1	110	51	3	4.25	<0.030	0.370	3.7
FEB 06...	16	1.5	220	44	14	1.46	0.430	0.100	3.8
MAR 05...	5.0	1.0	460	52	4	3.55	0.030	0.020	2.5
APR 09...	5.0	0.8	1700	52	4	3.62	<0.030	0.200	3.5
MAY 07...	7.0	0.5	—	48	5	4.82	0.060	0.280	4.5
JUN 04...	600	5.9	54000	21	906	0.850	0.170	1.16	32
JUL 09...	7.0	0.6	2200	55	5	2.06	0.070	0.160	3.0
AUG 06...	8.0	0.5	1800	63	7	4.15	0.050	0.180	3.0
SEP 03...	4.0	0.1	330	58	4	4.85	0.040	0.310	3.0

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. Datum of gage is 660.90 ft above National Geodetic Vertical Datum of 1929 (levels from DeKalb County benchmark).

REMARKS.--Records good. 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 maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Sept. 6	0745	*5,710	*9.86	No other peak greater than base discharge.			

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	129	228	135	179	172	239	220	126	103	283	340	143
2	136	276	135	310	165	221	206	126	99	1340	143	136
3	133	133	760	1600	162	210	192	123	282	1410	120	143
4	127	122	383	388	159	204	188	120	1150	309	117	155
5	128	120	181	248	162	199	181	117	302	190	112	2690
6	129	122	157	213	212	674	174	126	175	207	107	4380
7	119	133	148	206	173	365	238	134	147	166	105	620
8	116	122	145	198	153	244	242	126	136	152	108	510
9	116	119	147	207	148	218	185	133	231	140	117	265
10	117	125	191	187	147	533	178	120	227	120	108	227
11	117	124	155	164	145	379	183	115	475	116	157	203
12	116	118	147	161	144	244	208	115	892	114	125	181
13	114	117	140	178	146	217	181	268	228	112	1100	170
14	114	118	293	194	153	206	159	222	265	178	486	156
15	128	118	212	163	805	199	170	127	223	127	187	148
16	151	118	150	150	515	190	173	116	173	458	1200	146
17	123	121	149	147	801	184	154	113	158	162	1050	141
18	112	122	142	152	869	184	153	111	151	215	856	140
19	113	120	134	210	340	538	153	107	229	220	242	168
20	113	121	132	234	251	235	154	149	150	140	189	160
21	113	330	134	188	214	202	291	126	132	127	456	162
22	111	1440	136	172	202	204	208	113	125	1070	1300	177
23	119	256	137	2130	550	1120	163	103	132	820	422	516
24	117	169	181	698	338	317	146	103	122	885	250	930
25	117	164	142	309	835	297	168	100	109	216	210	321
26	115	158	135	244	1930	442	140	101	112	161	176	192
27	117	142	133	219	513	263	135	98	141	229	176	1090
28	117	137	632	229	337	227	134	96	126	265	704	722
29	113	134	509	216	283	213	132	104	118	143	218	375
30	110	133	210	189	---	294	132	144	118	131	168	230
31	112	---	190	180	---	322	---	126	---	138	152	---
TOTAL	3712	5760	6575	10263	11024	9584	5341	3908	7031	10344	11201	15597
MEAN	120	192	212	331	380	309	178	126	234	334	361	520
MAX	151	1440	760	2130	1930	1120	291	268	1150	1410	1300	4380
MIN	110	117	132	147	144	184	132	96	99	112	105	136
CFSM	.66	1.05	1.17	1.82	2.09	1.70	.98	.69	1.29	1.83	1.99	2.86
IN.	.76	1.18	1.34	2.10	2.25	1.96	1.09	.80	1.44	2.11	2.29	3.19

ALTAMAHA RIVER BASIN

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

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1984 - 1992, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	211	231	298	378	416	392	281	271	236	289	224	243
MAX	560	467	817	840	1010	852	508	582	505	508	447	520
(WY)	1990	1984	1984	1990	1990	1990	1984	1984	1989	1989	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 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1984 - 1992	
ANNUAL TOTAL	115108		100340			
ANNUAL MEAN	315		274		289	
HIGHEST ANNUAL MEAN					454	
LOWEST ANNUAL MEAN					159	
HIGHEST DAILY MEAN	2790		4380		9870	
LOWEST DAILY MEAN	110		96		48	
ANNUAL SEVEN-DAY MINIMUM	114		101		53	
INSTANTANEOUS PEAK FLOW			5710		12500	
INSTANTANEOUS PEAK STAGE			9.86		a13.03	
ANNUAL RUNOFF (CFSM)	1.73		1.51		1.59	
ANNUAL RUNOFF (INCHES)	23.53		20.51		21.54	
10 PERCENT EXCEEDS	595		515		518	
50 PERCENT EXCEEDS	204		163		165	
90 PERCENT EXCEEDS	122		116		92	

a 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 current year.

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.

REMARKS.--Laboratory chemical analyses 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.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: Maximum recorded, 30.0°C July 19, 20, 21, 1986; 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, 29.0 °C July 12; minimum, 4.0°C Jan. 17.

DISSOLVED OXYGEN: Maximum, 12.2 mg/L Dec. 20, Jan. 19; minimum, 4.2 mg/L July 22, Aug. 13.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	TIME	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)
OCT 03...	0840	131	260	257	7.2	7.5	19.0	22.5	7.6	84
NOV 07...	1145	137	255	257	7.4	7.5	9.5	17.5	10.1	90
DEC 05...	0850	187	169	166	7.4	7.2	8.5	3.5	10.2	88
JAN 09...	0840	195	190	193	7.4	7.4	10.0	11.0	10.2	93
FEB 06...	0830	269	212	212	7.5	7.4	10.0	8.0	10.2	94
MAR 05...	0830	203	192	195	-	7.4	15.0	15.0	9.0	91
APR 09...	0740	190	200	197	7.3	7.4	15.0	13.0	8.5	86
MAY 07...	0735	147	233	224	7.6	7.5	15.0	8.5	8.7	88
JUN 04...	0730	692	125	116	7.1	6.8	20.0	22.0	7.2	82
JUL 09...	0710	143	235	221	7.4	7.4	24.0	21.5	7.0	85
AUG 06...	0730	113	253	273	7.8	7.4	24.0	24.0	6.8	82
SEP 03...	0715	137	245	249	7.2	7.5	23.0	21.5	7.6	91

ALTAMAHA RIVER BASIN

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

DATE	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LINITY WAT WH TOT 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)
OCT									
03...	8.0	1.2	260	50	10	3.61	0.130	0.280	3.5
NOV									
07...	4.0	0.3	790	62	5	3.32	0.070	0.430	2.4
DEC									
05...	20	1.4	7900	43	3	-	-	-	-
JAN									
09...	8.0	0.3	490	42	7	2.58	0.070	0.310	3.7
FEB									
06...	11	1.2	790	45	11	1.93	0.060	0.080	3.4
MAR									
05...	9.0	0.7	790	45	8	2.01	0.030	0.040	2.1
APR									
09...	8.0	1.2	800	47	9	2.63	<0.030	0.160	3.8
MAY									
07...	12	0.7	1800	51	17	2.90	0.050	0.210	3.9
JUN									
04...	100	4.5	54000	24	170	1.38	0.140	0.390	8.0
JUL									
09...	17	0.8	1100	53	24	1.31	0.050	0.220	3.0
AUG									
06...	17	0.8	790	60	17	2.80	0.170	0.250	3.0
SEP									
03...	11	0.3	710	60	13	2.75	0.040	0.200	3.0

ALTAMAHA RIVER BASIN

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

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	21.0	18.0	18.0	16.0	18.0	14.5	9.5	8.0	11.5	9.5	14.0	11.5
2	21.0	19.0	16.0	14.0	19.5	17.5	10.0	9.0	10.5	8.5	14.5	11.5
3	22.0	19.5	13.5	12.5	19.0	15.0	10.0	9.5	10.5	8.5	15.0	12.5
4	22.0	19.0	12.5	10.0	14.5	10.0	11.5	10.0	11.0	8.5	16.5	14.0
5	22.5	20.0	11.5	8.5	10.0	8.0	11.5	10.5	10.5	10.0	15.0	14.5
6	21.5	18.0	11.5	8.5	9.5	7.0	11.5	10.5	10.5	9.5	15.0	14.5
7	17.5	15.0	11.5	9.0	10.0	7.5	10.5	9.0	11.0	9.0	17.5	15.0
8	17.0	13.5	12.0	10.0	11.5	8.0	10.0	8.5	10.0	8.0	17.5	15.0
9	17.5	13.5	11.5	10.0	14.0	11.0	11.5	9.5	9.5	7.0	17.0	15.0
10	18.0	15.0	12.0	10.5	14.0	12.5	11.0	9.5	9.0	6.5	16.0	14.5
11	18.5	15.5	12.0	9.5	13.5	11.5	9.5	8.0	11.0	8.0	14.0	11.0
12	18.5	15.5	12.0	9.0	12.5	11.0	10.0	8.0	11.5	8.5	12.0	9.5
13	18.0	15.0	12.0	9.0	15.0	12.0	12.0	9.5	11.0	10.0	13.0	10.5
14	18.0	14.5	13.0	10.0	16.0	14.0	11.5	10.0	12.0	10.5	13.0	9.5
15	17.5	15.5	14.0	10.5	14.5	10.5	9.5	8.0	12.5	12.0	12.0	10.5
16	17.0	15.0	15.5	11.5	10.0	8.5	8.0	6.0	14.0	12.5	13.0	9.0
17	16.5	13.5	16.5	13.0	9.5	7.0	6.5	4.0	12.5	9.5	14.0	9.5
18	17.0	13.5	15.5	14.5	9.5	7.5	7.0	5.0	10.5	9.5	13.0	12.0
19	17.5	13.5	15.5	14.0	8.0	6.5	6.5	5.0	12.5	10.5	15.5	13.0
20	18.5	15.0	17.0	15.0	8.0	5.5	6.5	4.5	13.0	11.0	16.0	13.5
21	18.5	16.0	18.0	17.0	9.5	6.5	8.0	5.0	12.5	10.0	14.5	11.5
22	18.5	17.0	17.5	16.0	12.0	9.0	9.0	6.5	13.0	10.0	12.5	12.0
23	19.5	17.0	15.5	14.0	13.0	10.5	9.5	8.5	14.5	12.5	13.0	12.0
24	20.0	17.5	14.0	11.0	13.0	11.0	9.5	8.0	15.5	14.0	13.5	10.5
25	20.5	18.5	10.5	8.5	10.5	9.0	8.0	7.0	15.5	14.5	12.0	10.5
26	21.0	18.5	10.0	7.5	10.0	7.5	9.0	7.5	15.5	13.0	12.5	10.0
27	21.5	19.0	10.0	7.5	11.0	9.0	9.5	8.5	12.5	11.0	14.5	11.5
28	21.0	18.5	11.0	7.5	10.5	8.5	10.5	9.5	12.5	10.5	14.5	11.0
29	20.0	18.5	13.0	9.0	9.0	8.0	11.5	10.0	14.0	12.0	13.0	12.0
30	19.0	17.0	15.0	12.0	10.5	8.5	12.5	11.0	---	---	14.0	12.5
31	19.0	16.5	---	---	9.5	8.0	12.0	10.5	---	---	15.5	13.0
MONTH	22.5	13.5	18.0	7.5	19.5	5.5	12.5	4.0	15.5	6.5	17.5	9.0

ALTAMAHA RIVER BASIN

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

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

[illegible]

ALTAMAHA RIVER BASIN

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

OXYGEN, DISSOLVED (MG/L), WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	8.5	7.8	8.2	7.6	9.1	8.3	11.1	10.8	10.3	9.9	9.6	9.3
2	8.2	7.7	7.7	6.5	8.3	7.9	10.9	10.6	10.7	10.2	9.7	9.3
3	7.9	7.4	8.9	7.8	8.3	7.1	10.6	10.2	10.6	10.3	9.6	9.2
4	8.2	7.4	9.7	8.9	9.8	8.4	10.3	10.0	10.7	10.3	9.2	8.9
5	8.0	7.4	10.2	9.5	10.5	9.8	10.2	10.0	10.4	10.0	9.2	8.9
6	8.4	7.5	10.2	9.5	10.8	10.5	10.1	10.0	10.4	10.1	9.2	8.8
7	8.8	7.9	10.3	9.6	10.7	10.3	10.6	10.1	10.5	10.0	8.9	8.6
8	9.2	8.2	9.7	9.3	10.5	10.0	10.7	10.5	10.7	10.2	9.1	8.6
9	9.2	8.4	10.1	9.4	10.0	9.2	10.5	10.1	11.1	10.7	9.1	8.8
10	9.0	8.2	9.9	9.3	9.5	9.1	10.4	10.1	11.3	11.0	9.0	8.4
11	8.8	8.0	10.0	9.4	9.7	9.1	11.0	10.5	11.1	10.5	10.7	8.6
12	8.8	8.0	10.3	9.5	10.1	9.6	11.0	10.5	11.0	10.4	10.7	10.1
13	9.0	8.1	10.4	9.4	9.7	9.1	10.6	9.5	10.5	10.1	10.5	9.8
14	9.3	8.2	10.2	9.3	9.2	9.0	10.0	9.4	10.5	10.1	10.2	9.4
15	8.6	8.2	9.9	9.0	10.6	9.3	10.7	10.0	10.1	9.2	9.7	9.4
16	8.7	8.3	9.6	8.7	11.3	10.6	11.4	10.7	9.7	9.4	10.1	9.6
17	9.2	8.4	9.4	8.6	11.7	11.2	12.0	11.5	10.6	9.7	10.1	9.3
18	9.6	8.5	8.8	7.1	11.5	11.1	11.7	11.2	10.6	10.3	9.4	9.2
19	9.5	8.4	9.2	8.6	11.9	11.3	12.2	11.5	10.3	9.7	9.2	7.4
20	9.3	8.2	8.8	8.3	12.2	11.0	12.1	11.8	10.0	9.7	9.0	8.2
21	9.2	8.2	8.3	6.5	11.9	10.8	11.8	11.4	10.4	10.0	9.7	8.9
22	9.0	8.1	8.4	6.4	10.9	9.8	11.5	11.0	10.3	9.9	9.8	9.3
23	8.9	8.0	9.1	8.4	9.9	9.4	11.0	9.9	9.9	9.0	9.7	9.1
24	8.5	7.7	9.6	9.1	9.9	9.5	10.5	10.0	9.2	8.6	10.2	9.5
25	8.3	7.5	10.4	9.6	10.5	9.8	10.9	10.4	9.3	8.5	10.5	9.8
26	8.2	7.4	10.6	10.3	10.9	10.4	10.5	10.4	9.3	8.5	10.4	9.8
27	8.1	7.3	10.6	10.2	10.7	10.1	10.4	10.2	9.8	9.3	9.8	9.5
28	8.3	7.3	10.8	10.2	10.7	9.8	10.3	10.1	9.9	9.5	10.1	9.5
29	8.3	7.4	10.4	9.7	10.8	10.6	10.2	9.8	9.5	9.3	10.0	9.6
30	8.7	7.6	9.7	9.0	10.8	10.6	9.9	9.7	---	---	9.9	9.5
31	8.8	7.9	---	---	11.1	10.8	10.0	9.7	---	---	9.5	9.2
MONTH	9.6	7.3	10.8	6.4	12.2	7.1	12.2	9.4	11.3	8.5	10.7	7.4

ALTAMAHA RIVER BASIN

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

OXYGEN, DISSOLVED (MG/L), WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

[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.

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 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 1991 TO SEPTEMBER 1992

DATE	TIME	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)
OCT 03...	0715	200	162	154	7.3	7.2	20.0	17.5	8.1	91
NOV 07...	1230	300	--	125	7.1	7.3	9.0	--	9.8	--
DEC 05...	0730	145	95	90	7.5	6.9	10.0	-2.0	9.1	81
JAN 09...	0715	135	120	123	7.4	7.3	9.0	10.0	10.8	95
FEB 06...	0710	130	135	138	7.4	7.2	9.0	7.0	11.6	103
MAR 05...	0715	550	122	118	--	7.2	15.0	14.0	10.4	105
APR 09...	0630	550	109	112	7.3	7.2	15.0	8.5	8.8	89
MAY 07...	0615	220	165	153	7.5	7.3	17.0	8.0	7.9	83
JUN 04...	0615	1100	120	111	7.4	7.0	19.0	20.5	7.3	81
JUL 09...	0600	170	145	129	7.3	7.2	26.0	20.0	5.5	69
AUG 06...	0605	170	170	185	7.5	7.4	26.0	23.0	5.8	73
SEP 03...	0600	145	150	143	7.3	7.2	24.0	21.0	6.5	79

DATE	TUR- BID- ITY (NTU)	OXYGEN DEMAND, CHEM- ICAL (LOW LEVEL) (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LINITY WAT WH TOT FET LAB MG/L AS CACO3	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDE (MG/L)
OCT 03...	15	5	1.1	560	35	14
NOV 07...	35	11	0.5	1100	42	40
DEC 05...	52	10	1.4	17000	18	7
JAN 09...	12	7	0.1	330	32	7
FEB 06...	11	<5	0.8	130	31	9
MAR 05...	16	9	0.7	260	28	14
APR 09...	18	12	0.7	490	26	22
MAY 07...	13	6	0.3	490	40	15
JUN 04...	80	22	1.9	3300	22	69
JUL 09...	18	2	0.5	230	27	14
AUG 06...	36	12	0.2	170	42	28
SEP 03...	23	11	0.3	330	36	18

ALTAMAHA RIVER BASIN

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	NITRO- GEN, NO ₂ +NO ₃ TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 03...	1.69	<0.030	—	0.30	2.0	0.100	3.0
NOV 07...	1.76	0.040	0.26	0.30	2.1	0.240	2.5
DEC 05...	0.570	<0.030	—	0.20	0.77	0.020	6.3
JAN 09...	1.26	0.060	0.14	0.20	1.5	0.170	3.4
FEB 06...	1.37	0.140	0.06	0.20	1.6	0.060	2.8
MAR 05...	1.21	0.050	—	—	—	0.040	2.6
APR 09...	1.23	0.030	0.17	0.20	1.4	0.130	4.7
MAY 07...	1.75	0.040	0.26	0.30	2.1	0.130	3.3
JUN 04...	1.52	0.130	0.27	0.40	1.9	0.140	5.4
JUL 09...	0.960	0.050	0.05	0.10	1.1	0.140	3.0
AUG 06...	1.95	0.080	0.22	0.30	2.3	0.030	3.0
SEP 03...	1.26	0.060	0.04	0.10	1.4	0.080	3.0

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.

WATER-DISCHARGE RECORDS

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. Datum of gage is 806.14 ft above National Geodetic Vertical Datum of 1929 (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 discharges, 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)
Sept. 5	1430	*1,870	*7.56

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	93	157	107	137	143	217	225	100	85	189	344	98
2	92	199	108	188	137	203	194	98	79	574	125	90
3	90	103	451	1080	136	189	177	96	482	758	77	84
4	86	82	437	546	135	178	171	91	905	490	67	142
5	84	79	188	254	137	171	165	86	478	197	63	1370
6	83	80	147	207	166	378	163	104	200	178	59	832
7	83	77	139	185	142	705	185	110	144	171	60	410
8	82	75	126	170	129	329	179	127	422	127	61	428
9	88	77	127	180	119	231	163	156	819	95	60	222
10	92	81	196	163	117	339	162	114	303	84	58	176
11	88	82	151	143	111	386	159	99	198	80	57	227
12	78	77	124	133	113	233	204	90	234	74	110	155
13	76	79	115	155	128	206	161	149	195	71	499	131
14	74	81	166	158	135	188	149	211	207	82	368	114
15	89	78	169	139	538	178	141	124	176	106	147	104
16	118	76	131	121	570	167	140	102	134	96	176	98
17	100	93	119	117	475	159	133	92	110	76	316	102
18	79	80	108	119	558	163	126	89	102	117	898	96
19	71	78	103	139	322	487	120	212	172	103	255	103
20	70	80	103	138	244	280	128	456	126	80	190	117
21	69	238	104	129	202	195	220	168	92	80	313	101
22	70	839	104	121	182	246	200	112	83	121	916	134
23	71	361	105	1010	447	916	148	93	78	167	867	203
24	71	168	113	823	361	412	122	83	81	104	411	428
25	72	131	105	289	654	286	121	80	76	86	216	380
26	71	119	101	221	1430	339	117	80	77	78	161	173
27	70	117	101	190	670	243	107	78	84	130	208	641
28	71	112	349	201	323	207	104	75	79	91	369	732
29	68	106	379	189	251	199	104	89	80	71	196	334
30	66	106	192	172	---	259	103	98	77	61	138	211
31	68	---	155	154	---	349	---	91	---	120	109	---
TOTAL	2483	4111	5123	7971	9075	9038	4591	3753	6378	4857	7894	8436
MEAN	80.1	137	165	257	313	292	153	121	213	157	255	281
MAX	118	839	451	1080	1430	916	225	456	905	758	916	1370
MIN	66	75	101	117	111	159	103	75	76	61	57	84
CFSM	.60	1.02	1.23	1.92	2.34	2.18	1.14	.90	1.59	1.17	1.90	2.10
IN.	.69	1.14	1.42	2.21	2.52	2.51	1.27	1.04	1.77	1.35	2.19	2.34

ALTAMAHA RIVER BASIN

02206500 YELLOW RIVER NEAR SNELLVILLE, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1943 - 1992, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	80.9	128	169	251	304	339	277	181	126	123	87.1	79.7
MAX	434	675	454	566	778	836	744	415	369	581	255	299
(WY)	1990	1949	1952	1990	1961	1990	1964	1966	1989	1989	1992	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 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1943 - 1992	
ANNUAL TOTAL	87840		73710			
ANNUAL MEAN	241		201		178	
HIGHEST ANNUAL MEAN					348	
LOWEST ANNUAL MEAN					83.7	
HIGHEST DAILY MEAN	2200		1430		8000	
LOWEST DAILY MEAN	66		57		1.6	
ANNUAL SEVEN-DAY MINIMUM	69		60		1.9	
INSTANTANEOUS PEAK FLOW			1870		a12600	
INSTANTANEOUS PEAK STAGE			7.56		b19.67	
INSTANTANEOUS LOW FLOW					1.5	
ANNUAL RUNOFF (CFSM)	1.80		1.50		1.33	
ANNUAL RUNOFF (INCHES)	24.39		20.46		18.06	
10 PERCENT EXCEEDS	483		424		337	
50 PERCENT EXCEEDS	173		133		107	
90 PERCENT EXCEEDS	82		77		33	

a Based on rating extended above 6,600 ft³/s, on basis of contracted-opening measurement of peak flow.

b From floodmarks.

ALTAMAHA RIVER BASIN

02206500 YELLOW RIVER NEAR SNELLVILLE, GA.--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--November 1969 to current year.

REMARKS.--Laboratory chemical analyses 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 1991 TO SEPTEMBER 1992

DATE	TIME	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)
OCT 02...	1230	92	163	163	7.4	7.3	19.0	23.5	9.2	102
NOV 26...	1345	115	149	145	7.4	7.2	8.0	16.5	11.1	95
DEC 04...	0800	500	94	87	6.8	6.7	12.0	0.0	9.8	91
JAN 08...	0800	168	135	136	7.0	7.2	8.0	-0.5	11.2	97
FEB 05...	0800	132	176	173	7.1	7.3	10.0	7.0	9.8	90
MAR 04...	0800	175	132	131	6.8	7.1	14.0	14.0	9.6	96
APR 08...	0800	170	140	134	7.0	7.2	12.0	8.0	11.2	107
MAY 06...	0800	86	220	198	7.4	7.4	16.0	9.5	7.8	82
JUN 03...	0800	73	213	210	6.8	7.2	19.0	17.5	7.4	82
JUL 08...	0800	124	150	141	7.2	7.2	24.0	23.0	7.0	85
AUG 05...	0800	58	200	214	7.2	7.4	23.0	20.5	7.2	86
SEP 02...	0800	86	170	173	7.2	7.3	22.0	22.0	7.3	86

DATE	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LITY WAT WH TOT FET LAB MG/L AS CACO3	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)
OCT 02...	5.0	0.5	130	40	1.70	<0.030	0.090	5.1
NOV 26...	10	0.5	490	36	1.49	0.040	0.100	3.4
DEC 04...	66	2.1	4900	20	0.580	0.060	0.070	7.2
JAN 08...	17	0.8	50	38	1.62	0.110	0.080	2.5
FEB 05...	11	3.3	24000	38	1.62	1.65	0.140	3.5
MAR 04...	18	1.2	40	31	1.31	<0.030	0.040	3.4
APR 08...	10	0.8	790	37	1.19	0.060	0.120	2.6
MAY 06...	7.0	1.1	330	50	2.11	0.070	0.120	3.9
JUN 03...	15	1.3	110	50	2.55	0.040	0.080	3.7
JUL 08...	19	0.7	230	31	1.49	0.040	0.170	3.0
AUG 05...	6.0	0.6	270	44	2.70	0.080	0.080	4.0
SEP 02...	9.0	0.4	490	42	1.73	0.040	0.090	3.0

ALTAMAHA RIVER BASIN

02207300 YELLOW RIVER AT MILSTEAD, GA.

LOCATION.--Lat 33°41'23", long 83°59'49", Rockdale County, Hydrologic Unit 03070103, at bridge on State Highway 20 at Milstead, 2.2 mi northeast of Conyers.

DRAINAGE AREA.--236 mi², approximately.

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

REVISED RECORDS.--WDR GA-84-1: Drainage Area.

REMARKS.--Laboratory chemical analyses 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 1991 TO SEPTEMBER 1992

DATE	TIME	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)
OCT 03...	0810	130	150	146	7.3	7.3	19.0	20.5	8.0	88
NOV 07...	1715	150	152	159	7.6	7.3	10.0	15.5	9.1	82
DEC 05...	0830	410	90	88	7.4	7.0	9.0	5.5	10.2	89
JAN 09...	0805	310	112	113	7.5	7.2	9.0	11.0	12.8	114
FEB 06...	0800	240	133	132	7.5	7.1	9.0	8.0	11.2	100
MAR 05...	0805	330	110	108	-	7.1	15.0	15.0	10.0	101
APR 09...	0700	280	120	114	7.3	7.3	14.0	10.5	11.0	109
MAY 07...	0705	180	155	146	7.6	7.3	16.0	8.5	8.0	83
JUN 04...	0700	1400	75	68	7.5	6.8	20.0	21.5	7.5	85
JUL 09...	0640	200	128	110	7.4	7.1	25.0	22.5	5.8	72
AUG 06...	0650	100	145	149	7.6	7.2	24.0	24.0	5.9	72
SEP 03...	0645	180	129	129	7.2	7.2	23.0	21.5	7.3	87

DATE	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LITY WAT WH TOT FET LAB MG/L AS CACO3	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)
OCT 03...	6.0	0.9	490	36	1.40	0.030	<0.030	3.3
NOV 07...	10	8.0	170	41	1.41	0.070	0.120	2.4
DEC 05...	40	1.6	2800	22	0.560	<0.030	0.100	5.3
JAN 09...	13	0.2	110	33	1.28	0.040	0.100	3.6
FEB 06...	10	1.5	560	34	1.22	0.170	0.030	3.1
MAR 05...	15	0.8	170	27	1.14	0.030	<0.020	3.0
APR 09...	8.0	0.5	80	29	0.480	<0.030	0.080	2.6
MAY 07...	8.0	0.4	-	41	1.42	0.050	0.060	3.2
JUN 04...	330	3.4	22000	18	0.620	0.080	0.090	11
JUL 09...	14	0.5	330	28	0.890	0.050	0.110	3.0
AUG 06...	10	0.3	170	37	1.27	0.060	0.160	3.0
SEP 03...	11	0.2	170	34	1.13	0.050	0.020	3.0

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.

DRAINAGE AREA.--440 mi², approximately.

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

REMARKS.--Laboratory chemical analyses 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 1991 TO SEPTEMBER 1992

DATE	TIME	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)
OCT 03...	0700	225	120	115	7.2	7.5	19.0	17.5	8.7	96
NOV 07...	1310	300	112	112	7.1	7.3	8.5	—	11.2	97
DEC 05...	0700	1600	82	77	7.4	7.1	10.0	-2.0	10.4	93
JAN 09...	0645	500	85	86	7.2	7.0	8.5	11.5	13.2	115
FEB 06...	0645	440	98	97	7.3	7.3	9.0	7.0	11.8	105
MAR 05...	0700	540	85	86	—	7.2	14.0	13.0	9.4	93
APR 09...	0550	480	92	87	7.1	7.3	14.0	10.0	9.7	96
MAY 07...	0555	240	80	108	7.5	7.2	16.0	8.5	9.6	99
JUN 04...	0550	460	118	107	7.2	7.2	19.5	19.5	7.8	87
JUL 09...	0530	320	100	84	7.2	7.1	25.0	20.0	6.5	80
AUG 06...	0545	230	100	96	7.4	7.3	25.0	23.0	6.6	81
SEP 03...	0530	350	95	90	7.1	7.2	23.0	22.0	7.4	88

DATE	TUR- BID- ITY (NTU)	OXYGEN DEMAND, CHEM- ICAL (LOW LEVEL) (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LINITY WAT WH TOT FET LAB MG/L AS CaCO3	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDE (MG/L)
OCT 03...	14	6	0.9	330	29	13
NOV 07...	6.0	7	1.0	50	30	4
DEC 05...	78	18	1.8	4600	19	68
JAN 09...	16	12	0.1	230	22	9
FEB 06...	12	6	0.8	490	24	11
MAR 05...	18	12	0.6	130	22	19
APR 09...	13	—	0.4	80	23	15
MAY 07...	14	18	0.2	130	29	13
JUN 04...	64	18	1.1	3300	29	102
JUL 09...	24	—	0.4	170	22	23
AUG 06...	20	—	0.1	120	27	14
SEP 03...	16	—	0.2	310	25	14

ALTAMAHA RIVER BASIN

02208005 YELLOW RIVER NEAR STEWART, GA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	NITRO- GEN, NO ₂ +NO ₃ TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT							
03...	1.01	0.090	0.11	0.20	1.2	0.070	3.1
NOV							
07...	0.770	0.040	0.06	0.10	0.87	0.130	1.9
DEC							
05...	0.490	<0.030	—	0.10	0.59	<0.020	6.4
JAN							
09...	0.830	<0.030	—	0.20	1.0	0.100	3.6
FEB							
06...	1.03	0.040	0.06	0.10	1.1	0.040	2.6
MAR							
05...	0.950	<0.030	—	<0.10	—	0.020	2.3
APR							
09...	0.710	<0.030	—	—	—	0.090	2.9
MAY							
07...	0.870	<0.030	—	0.30	1.2	0.070	2.9
JUN							
04...	1.10	0.030	0.07	0.10	1.2	0.170	5.3
JUL							
09...	0.720	0.190	—	—	—	0.090	2.0
AUG							
06...	0.680	<0.030	—	—	—	0.180	2.0
SEP							
03...	0.680	0.040	—	—	—	0.030	3.0

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 646.10 ft above National Geodetic Vertical Datum of 1929 (leveling by global positioning system equipment). Prior to Oct. 1986, at site 400 ft upstream at same datum.

REMARKS.--Records good. 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)
Aug. 23	2300	*2,270	*10.28	Sept. 28	1200	1,910	9.81

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	72	67	84	138	153	364	258	99	71	115	68	161
2	68	87	86	123	142	292	235	97	64	291	78	162
3	68	103	110	214	133	258	206	92	69	394	58	157
4	67	88	170	325	126	238	194	87	147	397	45	136
5	67	75	208	461	120	225	190	83	213	300	37	135
6	69	71	158	377	126	267	175	80	239	168	30	389
7	67	71	117	220	126	419	180	88	142	123	28	1130
8	62	71	103	170	116	574	194	105	98	102	30	869
9	58	72	97	155	109	550	187	121	89	85	31	527
10	58	81	99	149	103	398	175	122	154	73	30	347
11	59	88	103	140	101	391	174	103	163	66	32	278
12	58	84	97	127	100	399	165	90	164	59	25	289
13	57	78	90	124	99	346	180	89	160	54	61	216
14	54	76	95	128	102	285	179	123	166	50	148	178
15	55	74	100	123	146	255	155	122	145	51	170	157
16	61	72	100	111	281	234	146	98	119	50	122	139
17	65	75	88	103	368	217	152	85	100	50	239	127
18	61	75	84	102	445	210	148	78	89	50	478	121
19	61	74	81	122	438	222	135	75	84	53	648	117
20	60	77	78	136	352	236	133	107	77	56	559	121
21	58	80	77	130	256	244	160	135	70	51	251	129
22	57	111	80	118	208	217	176	110	62	57	364	127
23	58	160	83	211	224	282	170	86	56	69	1280	207
24	61	182	92	375	277	356	142	74	54	61	1750	252
25	62	126	91	492	344	409	127	67	52	56	980	253
26	64	98	85	424	481	370	116	62	52	49	534	230
27	66	89	81	252	633	319	110	60	125	47	313	473
28	66	84	115	208	778	277	107	59	90	52	273	1640
29	64	83	207	196	559	241	104	62	75	49	272	1310
30	62	83	248	185	---	237	101	70	68	41	254	934
31	61	---	203	167	---	255	---	76	---	38	194	---
TOTAL	1926	2655	3510	6306	7446	9587	4874	2805	3257	3157	9382	11311
MEAN	62.1	88.5	113	203	257	309	162	90.5	109	102	303	377
MAX	72	182	248	492	778	574	258	135	239	397	1750	1640
MIN	54	67	77	102	99	210	101	59	52	38	25	117
CFSM	.34	.48	.61	1.10	1.39	1.67	.88	.49	.59	.55	1.64	2.04
IN.	.39	.53	.71	1.27	1.50	1.93	.98	.56	.65	.63	1.89	2.27

ALTAMAHA RIVER BASIN

02208450 ALCOVY RIVER ABOVE COVINGTON, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1972 - 1992, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	132	158	259	358	392	436	354	248	158	130	141	112
MAX	536	426	750	617	836	886	804	585	356	450	406	377
(WY)	1990	1978	1984	1978	1990	1975	1973	1980	1975	1989	1984	1992
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 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1972 - 1992	
ANNUAL TOTAL	81175		66216			
ANNUAL MEAN	222		181		240	
HIGHEST ANNUAL MEAN					378	
LOWEST ANNUAL MEAN					99.4	
HIGHEST DAILY MEAN	1340	Mar 31	1750	Aug 24	6470	Mar 18 1990
LOWEST DAILY MEAN	54	Oct 14	25	Aug 12	a.56	Jul 21, 22 1986
ANNUAL SEVEN-DAY MINIMUM	57	Oct 9	29	Aug 6	.73	Jul 16 1986
INSTANTANEOUS PEAK FLOW			2270	Aug 23	b7620	Mar 18 1992
INSTANTANEOUS PEAK STAGE			10.28	Aug 23	14.79	Mar 16 1976
ANNUAL RUNOFF (CFSM)	1.20		.98		1.30	
ANNUAL RUNOFF (INCHES)	16.32		13.31		17.64	
10 PERCENT EXCEEDS	410		369		481	
50 PERCENT EXCEEDS	178		119		156	
90 PERCENT EXCEEDS	69		58		51	

a Minimum daily discharge may have been less during a period of extensive diversion, June 19 through Sept. 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, 2.6 mi northeast of Stewart.

DRAINAGE AREA.--250 mi², approximately.

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

REMARKS.--Laboratory chemical analyses 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 1991 TO SEPTEMBER 1992

DATE	TIME	GAGE HEIGHT (FEET)	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)
OCT 03...	0645	5.22	61	56	7.2	7.0	19.0	18.0	8.5	94
NOV 07...	1610	5.40	60	60	6.9	7.2	8.5	—	10.0	87
DEC 05...	0645	5.62	60	55	7.5	6.9	10.0	1.5	9.6	86
JAN 09...	0630	6.42	47	47	7.5	6.9	8.5	14.0	12.0	105
FEB 06...	0620	5.44	53	51	7.4	7.0	8.0	7.5	12.4	108
MAR 05...	0645	5.64	50	49	—	6.9	14.0	13.0	9.4	93
APR 09...	0530	5.67	45	48	7.2	7.0	14.0	11.0	9.1	90
MAY 07...	0535	5.20	55	51	7.3	7.0	16.0	8.5	8.8	91
JUN 04...	0530	5.27	63	54	7.3	6.8	19.0	19.5	7.6	84
JUL 09...	0515	5.40	67	52	7.1	7.0	25.0	20.5	6.7	82
AUG 06...	0520	5.00	70	68	7.3	7.1	25.0	23.0	5.6	69
SEP 03...	0515	5.57	64	55	7.0	7.0	22.0	22.0	7.2	84

DATE	TUR- BID- ITY (NTU)	OXYGEN DEMAND, CHEM- ICAL (LOW LEVEL) (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LITY WAT WH TOT FET LAB MG/L AS CACO3	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDE (MG/L)
OCT 03...	12	<5	1.1	170	18	6
NOV 07...	10	5	1.1	140	17	5
DEC 05...	13	8	0.1	270	18	9
JAN 09...	14	<5	0.1	90	15	4
FEB 06...	9.0	8	0.8	50	16	4
MAR 05...	13	7	0.6	20	13	9
APR 09...	10	6	0.6	70	15	8
MAY 07...	15	8	0.1	50	19	8
JUN 04...	20	11	0.8	40	19	12
JUL 09...	17	4	0.5	170	17	10
AUG 06...	15	—	0.2	110	21	15
SEP 03...	10	—	0.2	50	18	4

ALTAMAHA RIVER BASIN

02209260 ALCOVY RIVER ABOVE STEWART, GA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	NITRO- GEN, NO ₂ +NO ₃ TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 03...	0.260	<0.030	—	0.20	0.46	0.110	3.6
NOV 07...	0.160	<0.030	—	<0.10	—	0.130	1.6
DEC 05...	0.210	<0.030	—	0.10	0.31	<0.020	4.0
JAN 09...	0.400	0.040	0.16	0.20	0.60	0.110	4.0
FEB 06...	0.420	0.050	—	<0.10	—	0.100	2.3
MAR 05...	0.500	<0.030	—	<0.10	—	0.020	3.0
APR 09...	0.310	<0.030	—	0.10	0.41	0.090	2.8
MAY 07...	0.370	0.030	0.17	0.20	0.57	0.080	3.0
JUN 04...	0.380	0.050	0.05	0.10	0.48	0.050	2.1
JUL 09...	0.270	<0.030	—	0.10	0.37	0.090	3.0
AUG 06...	0.250	<0.030	—	—	—	0.180	3.0
SEP 03...	0.210	0.040	—	—	—	0.030	4.0

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.

WATER-DISCHARGE RECORDS

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 National Geodetic Vertical Datum of 1929. 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.--42 years (1906-15, 1939-60, 1975-82, 1988-92), 1,721 ft³/s, 16.47 in/yr, unadjusted.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known, 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 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1110	1400	591	2120	684	3070	1510	680	882	957	497	1180
2	898	1250	1160	1920	683	1830	1650	683	750	2680	1070	1080
3	625	1170	1040	2370	683	2140	1500	684	788	4230	878	1070
4	619	1840	1040	3120	682	1620	1360	969	1930	4400	525	913
5	634	1540	2230	3120	1430	1630	1410	715	2180	3000	537	1580
6	613	1370	2270	2360	1140	2460	1170	948	2230	2300	472	3800
7	604	540	2260	1540	1210	3170	1940	968	1500	983	414	10500
8	598	531	1010	2340	951	3140	982	667	918	1320	497	5690
9	947	522	1090	2650	1240	2140	1360	667	1040	1070	499	3080
10	583	531	592	1640	1250	2520	1750	666	1530	508	415	2340
11	574	546	701	964	669	2900	1130	1340	1840	657	528	2320
12	587	544	1200	1210	1040	2930	1160	1530	3280	626	434	2260
13	600	545	579	2010	1140	1530	1290	674	3400	499	1300	849
14	577	547	563	2080	965	2110	1190	623	1500	456	4040	832
15	580	545	547	1140	2070	1740	1180	669	1340	819	2610	979
16	579	547	1140	1030	2770	1410	859	684	1360	646	1430	1090
17	564	547	1020	979	3270	1200	742	991	1300	930	2410	1070
18	532	547	913	730	4160	1980	742	674	1190	683	2950	747
19	518	545	1100	1080	4740	1720	737	992	932	679	3050	802
20	515	548	1070	1480	3720	2120	1310	887	747	498	2360	1480
21	515	1070	746	1320	3130	1390	1020	963	961	898	2360	459
22	511	1600	777	1700	3070	1570	1190	1090	510	786	6380	771
23	553	2380	1010	2190	2580	2410	1120	648	682	1450	14400	1070
24	554	2020	584	3010	2650	3440	674	648	465	2340	6560	1580
25	554	972	1290	3080	2770	2950	1140	717	672	1640	4260	2540
26	547	1010	1050	3080	3290	2810	926	499	607	937	3710	1630
27	543	1820	526	3060	4550	1750	966	662	659	645	2340	2570
28	540	549	482	3040	4620	1780	846	661	615	883	2330	6880
29	536	545	1200	3020	3530	1980	677	497	838	1010	2320	7160
30	528	976	2970	2930	---	1810	680	630	718	515	2310	6160
31	890	---	3130	920	---	1940	---	666	---	414	1390	---
TOTAL	19128	29097	35881	63233	64687	67190	34211	24392	37364	39459	75276	74482
MEAN	617	970	1157	2040	2231	2167	1140	787	1245	1273	2428	2483
MAX	1110	2380	3130	3120	4740	3440	1940	1530	3400	4400	14400	10500
MIN	511	522	482	730	669	1200	674	497	465	414	414	459
MEAN†	532	785	1009	2074	2450	2180	1285	823	1245	1253	2431	2550
CFSM†	.37	.55	.71	1.46	1.73	1.54	.90	.58	.88	.88	1.71	1.80
IN.†	.43	.62	.82	1.68	1.86	1.77	1.01	.67	.98	1.01	1.97	2.00

†

† Adjusted for change in contents in Lloyd Shoals Reservoir.

ALTAMAHA RIVER BASIN

02210500 OCMULGEE RIVER NEAR JACKSON, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1911 - 1992, BY WATER YEAR (WY)

(SINCE REGULATION)

MEAN	948	1216	1520	2293	2585	3324	2415	1668	1246	1164	959	879
MAX	4124	7493	3941	6735	6220	7434	5949	4073	4496	3515	2428	2483
(WY)	1990	1949	1949	1946	1990	1952	1979	1980	1912	1989	1992	1992
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 1991 CALENDAR YEAR

FOR 1992 WATER YEAR

WATER YEARS 1911 - 1992

ANNUAL TOTAL	678820		564400									
ANNUAL MEAN	1860	†1868	1542	†1548						1684		
HIGHEST ANNUAL MEAN										2996		1912
LOWEST ANNUAL MEAN										866		1955
HIGHEST DAILY MEAN	11200	May 6	14400	Aug 23						51800		Nov 29 1948
LOWEST DAILY MEAN	482	Dec 28	414	Jul 31, Aug 7						18		Nov 20 1910
ANNUAL SEVEN-DAY MINIMUM	528	Oct 18	466	Aug 6						75		Nov 19 1954
INSTANTANEOUS PEAK FLOW			17500	Aug 23						56600		Nov 28 1948
INSTANTANEOUS PEAK STAGE			11.60	Aug 23						23.90		Nov 28 1948
ANNUAL RUNOFF (CFSM)	1.31	†1.32	1.09	†1.09						1.19		
ANNUAL RUNOFF (INCHES)	17.78	†17.86	14.79	†14.80						16.12		
10 PERCENT EXCEEDS	3370		3060							3050		
50 PERCENT EXCEEDS	1570		1070							1080		
90 PERCENT EXCEEDS	576		544							514		

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1906 - 1910, BY WATER YEAR (WY)

(PRIOR TO REGULATION)

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

02210500 OCMULGEE RIVER NEAR JACKSON, GA.--Continued

WATER-QUALITY RECORDS

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

REMARKS.--Laboratory chemical analyses 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 1991 TO SEPTEMBER 1992

DATE	TIME	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)
OCT 03...	0600	629	109	100	6.9	6.9	22.0	16.0	5.8	68
NOV 26...	1130	1050	110	113	-	7.0	13.0	9.0	7.8	74
DEC 05...	0615	2280	110	103	7.0	6.9	12.0	-3.0	7.0	65
JAN 09...	0600	2970	85	86	7.0	7.1	9.0	9.5	11.8	104
FEB 06...	0550	707	83	79	6.9	6.9	9.0	6.5	9.8	87
MAR 05...	0600	657	70	68	-	6.9	13.0	13.0	7.3	70
APR 09...	0500	707	80	77	6.8	7.0	13.0	7.0	8.2	79
MAY 07...	0500	657	95	89	7.0	6.9	16.0	8.5	6.2	64
JUN 04...	0500	2180	106	95	6.8	6.6	20.0	19.5	3.4	38
JUL 09...	0500	2180	90	76	7.0	6.7	24.0	19.0	3.3	40
AUG 06...	0500	677	109	101	6.9	6.7	26.0	21.0	2.1	26
SEP 03...	0500	1710	85	67	7.0	6.6	24.0	20.5	3.3	40

DATE	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LINITY WAT WH TOT 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)
OCT 03...	3.0	1.3	<20	26	2	0.540	0.090	0.070	1.2
NOV 26...	6.0	0.6	70	29	6	0.660	0.080	0.150	3.5
DEC 05...	7.0	0.8	<30	26	5	0.580	0.260	0.070	3.4
JAN 09...	34	1.0	790	22	18	0.820	0.100	0.080	4.1
FEB 06...	24	1.4	20	18	7	0.800	0.070	0.130	3.3
MAR 05...	28	0.7	80	18	8	0.620	0.080	0.040	3.3
APR 09...	7.0	0.5	20	20	4	0.680	0.060	0.090	3.5
MAY 07...	5.0	0.3	<20	23	3	0.680	0.090	0.080	2.9
JUN 04...	5.0	1.1	<20	25	4	0.660	0.100	0.060	1.8
JUL 09...	24	0.4	50	20	8	0.400	0.110	0.070	3.0
AUG 06...	8.0	0.8	20	21	6	0.520	0.090	0.160	3.0
SEP 03...	18	0.6	50	16	7	0.350	0.130	0.080	5.0

ALTAMAHA RIVER BASIN

02211800 TOWALIGA RIVER NEAR JULIETTE, GA.

LOCATION.--Lat 33°06'53", long 83°52'14", Monroe County, Hydrologic Unit 03070103, at State Highway 83, 4.5 miles downstream from Eightmile Creek, 5.4 miles above mouth, and 4.2 miles northeast of Juliette.

DRAINAGE AREA.--339 mi².

PERIOD OF RECORD.--July 1991 to current year.

REMARKS.--Laboratory analyses 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 by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	TIME	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)
NOV 13...	0815	72	137	141	7.8	7.5	8.0	2.5	12.0	102
JAN 16...	1400	460	84	83	6.9	7.0	6.5	6.0	11.2	92
MAR 11...	0820	790	75	68	7.5	7.1	13.0	-0.5	10.0	96
MAY 20...	0810	88	90	85	—	7.2	22.0	21.5	7.3	84
JUL 15...	0830	32	107	108	7.7	7.2	25.0	23.5	6.3	77
SEP 09...	0815	310	90	82	7.3	6.9	24.0	21.0	6.7	80

DATE	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LINITY WAT WH TOT FET LAB MG/L AS CACO3	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)
NOV 13...	4.0	0.6	330	42	0.080	0.030	0.100	3.3
JAN 16...	17	1.8	120	21	0.320	0.040	0.150	2.6
MAR 11...	20	0.7	230	18	0.270	0.030	0.110	2.8
MAY 20...	7.0	4.3	70	22	0.240	<0.030	0.080	2.0
JUL 15...	5.0	0.5	220	31	0.150	<0.030	0.180	3.0
SEP 09...	15	0.3	1300	21	0.180	0.080	0.070	5.0

ALTAMAHA RIVER BASIN

02212600 FALLING CREEK NEAR JULIETTE, GA
(Hydrologic Bench-Mark station)

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.

WATER-DISCHARGE RECORDS

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

GAGE.--Water-stage recorder. Datum of gage is 366.52 ft above National Geodetic Vertical Datum of 1929 (leveling by global positioning system equipment).

REMARKS.--Records good.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,100 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Feb. 16	0215	1,120	10.10	Aug. 22	1530	*1,500	*11.91

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.0	4.4	7.9	26	42	59	45	16	6.6	14	7.6	15
2	3.6	5.7	9.7	28	39	52	38	15	6.3	34	7.8	12
3	3.4	6.4	26	165	37	48	34	13	6.8	84	6.4	10
4	3.3	8.3	61	108	35	44	32	12	13	42	5.6	33
5	3.2	7.6	33	51	35	41	29	11	10	25	11	36
6	3.1	7.1	21	36	50	99	28	11	7.4	20	4.3	84
7	2.8	6.5	17	29	45	122	57	12	6.2	17	11	498
8	3.0	6.1	15	24	39	77	82	14	5.7	12	10	117
9	3.3	6.3	14	25	36	59	56	15	34	9.1	6.7	85
10	3.3	9.9	15	26	34	63	45	13	49	7.9	8.0	49
11	3.1	17	14	22	31	88	40	12	25	7.7	7.4	31
12	2.9	11	12	19	30	66	43	10	59	7.1	5.7	24
13	2.8	8.6	11	235	29	54	40	10	144	6.3	45	19
14	3.1	7.3	13	461	30	48	34	11	85	5.7	733	15
15	4.1	6.8	14	137	351	44	31	10	82	5.6	181	12
16	4.9	6.2	13	78	575	41	28	9.7	53	5.5	69	11
17	4.1	6.1	12	59	361	38	25	9.1	30	5.6	43	9.9
18	3.4	6.9	12	52	517	36	24	8.6	22	6.4	54	9.2
19	3.0	8.4	11	80	212	45	23	7.9	17	39	43	8.9
20	2.8	7.1	9.6	119	126	43	23	7.9	13	26	39	8.5
21	3.1	6.0	9.7	99	95	36	56	7.2	10	12	45	7.9
22	4.0	6.7	11	81	77	34	61	6.7	8.7	32	1110	7.7
23	4.1	9.9	14	208	163	41	39	6.2	7.8	48	438	7.4
24	3.8	7.9	17	207	225	39	31	5.8	7.2	41	201	7.8
25	3.6	6.6	16	96	157	37	26	5.4	6.5	23	115	9.4
26	3.7	6.7	14	71	144	57	23	5.2	5.9	14	72	9.0
27	3.5	6.2	13	59	123	50	21	5.8	5.5	17	43	20
28	4.0	6.0	48	58	85	39	20	6.3	12	17	63	105
29	5.3	6.1	94	56	69	35	19	6.3	11	12	46	121
30	4.6	6.4	49	51	---	40	17	7.2	7.9	9.1	29	47
31	4.2	---	33	46	---	58	---	7.4	---	7.6	21	---
TOTAL	111.1	222.2	659.9	2812	3792	1633	1070	297.7	757.5	612.6	3481.5	1429.7
MEAN	3.58	7.41	21.3	90.7	131	52.7	35.7	9.60	25.2	19.8	112	47.7
MAX	5.3	17	94	461	575	122	82	16	144	84	1110	498
MIN	2.8	4.4	7.9	19	29	34	17	5.2	5.5	5.5	4.3	7.4
CFSM	.05	.10	.29	1.26	1.81	.73	.49	.13	.35	.27	1.56	.66
IN.	.06	.11	.34	1.45	1.95	.84	.55	.15	.39	.32	1.79	.74

ALTAMAHA RIVER BASIN

02212600 FALLING CREEK NEAR JULIETTE, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1964 - 1992, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	23.6	25.6	70.2	110	136	141	89.2	45.5	25.5	23.0	28.1	11.7
MAX	170	75.9	230	259	309	393	262	255	81.5	82.0	112	47.7
(WY)	1965	1984	1965	1978	1979	1971	1975	1976	1966	1967	1992	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 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1964 - 1992	
ANNUAL TOTAL	22137.5		16879.2			
ANNUAL MEAN	60.7		46.1		60.5	
HIGHEST ANNUAL MEAN					112	
LOWEST ANNUAL MEAN					19.6	
HIGHEST DAILY MEAN	1620	Mar 2	1110	Aug 22	4900	Mar 17 1990
LOWEST DAILY MEAN	2.8	Oct 7,13,20	2.8	Oct 7,13,20	.01	a
ANNUAL SEVEN-DAY MINIMUM	3.0	Oct 7	3.0	Oct 7	.01	Aug 9-16 1988
INSTANTANEOUS PEAK FLOW			1500	Aug 22	7700	Mar 2 1971
INSTANTANEOUS PEAK STAGE			11.91	Aug 22	b23.00	Mar 2 1971
INSTANTANEOUS LOW FLOW			2.7	Oct 7	.01	c
ANNUAL RUNOFF (CFSM)	.84		.64		.84	
ANNUAL RUNOFF (INCHES)	11.41		8.70		11.39	
10 PERCENT EXCEEDS	114		90		108	
50 PERCENT EXCEEDS	23		17		22	
90 PERCENT EXCEEDS	4.2		5.5		3.2	

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

b From floodmarks.

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

ALTAMAHA RIVER BASIN

02212600 FALLING CREEK NEAR JULIETTE, GA.--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 1967 to current year.

PERIOD OF DAILY RECORD.--

WATER TEMPERATURES: August 1965 to September 1979.

REMARKS.--Laboratory analyses with the analyzing agency codes 80020 and 84213 are provided by the U.S. Geological Survey. Laboratory analyses with the analyzing agency code 81341 are provided by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Dissolved Oxygen and Total Alkalinity are by the U.S. Geological Survey. 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 ng/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 1994.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURES: Maximum, 31.5°C Aug. 3, 1970; minimum, 0.0°C Jan. 9, 10, 1970, Dec. 26, 1976.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

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)
OCT 08...	1150	81341	3.2	152	147	7.5	7.6
NOV 05...	0830	80020	7.5	160	164	7.7	7.7
DEC 11...	0815	81341	13	135	135	7.6	7.4
FEB 04...	0915	80020	36	94	106	7.5	7.5
12...	0835	81341	30	105	106	7.5	7.2
APR 15...	0840	81341	31	125	110	7.4	7.5
MAY 19...	0730	80020	8.1	132	144	7.7	7.8
JUN 10...	0735	81341	56	129	114	7.2	7.5
AUG 12...	0810	81341	5.9	150	146	7.9	7.7
SEP 01...	0730	80020	16	117	121	7.5	7.6

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER)	TEMPER- ATURE WATER (DEG C)	TEMPER- ATURE AIR (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)	BICAR- BONATE WATER DIS IT FIELD MG/L AS HCO3	ALKA- LITY WAT DIS TOT IT FIELD MG/L AS CACO3	ALKA- LITY WAT WH TOT FET LAB MG/L AS CACO3	ALKA- LITY WAT DIS FET LAB CACO3 (MG/L)
OCT 08...	81341	12.5	21.0	9.7	91	—	—	63	—
NOV 05...	80020	5.0	—	10.8	85	84	69	—	70
DEC 11...	81341	9.0	6.5	10.2	89	—	—	46	—
FEB 04...	80020	6.0	—	11.2	91	47	39	—	41
12...	81341	6.0	4.5	12.8	103	—	—	40	—
APR 15...	81341	16.0	12.5	9.3	95	—	—	48	—
MAY 19...	80020	18.0	—	8.0	85	74	61	—	64
JUN 10...	81341	23.0	24.5	7.1	84	—	—	47	—
AUG 12...	81341	22.0	21.5	7.4	86	—	—	61	—
SEP 01...	80020	20.5	—	7.7	86	66	54	—	56

ALTAMAHA RIVER BASIN

02212600 FALLING CREEK NEAR JULIETTE, GA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER)	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)
OCT 08...	81341	4.0	--	490	--	--
NOV 05...	80020	5.6	--	--	420	1800
DEC 11...	81341	5.0	0.7	790	--	--
FEB 04...	80020	12	--	--	K180	440
12...	81341	11	0.9	490	--	--
APR 15...	81341	9.0	0.5	330	--	--
MAY 19...	80020	6.1	--	--	200	710
JUN 10...	81341	44	2.2	700	--	--
AUG 12...	81341	9.0	0.3	430	--	--
SEP 01...	80020	7.7	--	--	870	1300

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER)	HARD- NESS TOTAL (MG/L AS CaCO3)	CALCIUM DIS- SOLVED (MG/L AS Ca)	MAGNE- SIUM, DIS- SOLVED (MG/L AS Mg)	SODIUM, DIS- SOLVED (MG/L AS Na)	SODIUM PERCENT	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)
NOV 05...	80020	54	12	5.9	13	33	0.8	2.6
FEB 04...	80020	37	8.3	4.0	6.6	27	0.5	1.1
MAY 19...	80020	53	12	5.5	15	38	0.9	1.3
SEP 01...	80020	48	11	5.0	13	36	0.8	1.4

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER DAY)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)
NOV 05...	80020	4.5	5.5	1.9	21	107	109	2.17	0.15
FEB 04...	80020	5.9	3.8	0.60	18	76	72	7.39	0.10
MAY 19...	80020	2.3	3.7	0.90	21	96	99	2.10	0.13
SEP 01...	80020	2.4	3.7	0.60	20	96	92	4.15	0.13

ALTAMAHA RIVER BASIN

02212600 FALLING CREEK NEAR JULIETTE, GA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)
OCT 08...	81341	—	<0.020	—	<0.030	—	—
NOV 05...	80020	<0.010	0.210	0.200	0.030	<0.010	0.030
DEC 11...	81341	—	0.050	—	<0.030	—	—
FEB 04...	80020	<0.010	0.081	<0.050	0.030	<0.010	0.020
12...	81341	—	0.020	—	<0.030	—	—
APR 15...	81341	—	0.030	—	<0.030	—	—
MAY 19...	80020	<0.010	0.150	0.140	0.030	0.020	0.030
JUN 10...	81341	—	0.070	—	<0.030	—	—
AUG 12...	81341	—	0.070	—	<0.030	—	—
SEP 01...	80020	<0.010	0.065	0.260	0.040	<0.010	0.040

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	PHOS- PHORUS DIS- SOLVED (MG/L AS P)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 08...	81341	—	—	0.090	—	—	3.2
NOV 05...	80020	0.37	0.40	0.060	0.040	0.040	—
DEC 11...	81341	—	—	0.110	—	—	2.6
FEB 04...	80020	0.17	0.20	0.010	<0.010	<0.010	—
12...	81341	—	—	0.100	—	—	2.2
APR 15...	81341	—	—	0.100	—	—	2.3
MAY 19...	80020	—	<0.20	0.010	0.030	<0.010	—
JUN 10...	81341	—	—	0.090	—	—	6.0
AUG 12...	81341	—	—	0.110	—	—	4.0
SEP 01...	80020	—	<0.20	0.020	0.020	<0.010	—

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER)	ALUM- INUM, DIS- SOLVED (UG/L AS AL)	BARIUM, DIS- SOLVED (UG/L AS BA)	COBALT, DIS- SOLVED (UG/L AS CO)	IRON, DIS- SOLVED (UG/L AS FE)	LITHIUM DIS- SOLVED (UG/L AS LI)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)
NOV 05...	80020	10	24	<3	330	<4	130
FEB 04...	80020	50	24	<3	330	<4	160
MAY 19...	80020	<10	27	<3	72	<4	140
SEP 01...	80020	30	32	3	550	<4	120

ALTAMAHA RIVER BASIN

02212600 FALLING CREEK NEAR JULIETTE, GA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

		AGENCY ANA- LYZING SAMPLE (CODE NUMBER)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO)	NICKEL, DIS- SOLVED (UG/L AS NI)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	SILVER, DIS- SOLVED (UG/L AS AG)	STRON- TIUM, DIS- SOLVED (UG/L AS SR)	VANA- DIUM, DIS- SOLVED (UG/L AS V)			
	DATE										
	NOV 05...	80020	<10	<1	<1	<1.0	94	<6			
	FEB 04...	80020	<10	<1	<1	<1.0	68	<6			
	MAY 19...	80020	<10	<1	<1	<1.0	100	<6			
	SEP 01...	80020	<10	<1	<1	<1.0	92	<6			
DATE		TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER)	DIS- CHARGE, INST. CUBIC FEET PER SECOND	TEMPER- ATURE WATER (DEG C)	SEDI- MENT, SUS- PENDEED (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDEED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM			
	NOV 05...	0835	84213	7.5	11.0	2	0.04	78			
	FEB 04...	0920	84213	36	6.0	16	1.6	88			
	MAY 19...	0735	84213	8.1	18.0	12	0.26	91			
	SEP 01...	0735	84213	16	20.5	8	0.35	92			
DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER)	DIS- CHARGE, INST. CUBIC FEET PER SECOND	GROSS ALPHA, DIS- SOLVED (UG/L AS U-NAT)	GROSS ALPHA, SUSP. TOTAL (UG/L AS U-NAT)	GROSS BETA, DIS- SOLVED (PCI/L AS CS-137)	GROSS BETA, SUSP. TOTAL (PCI/L AS CS-137)	GROSS BETA, DIS- SOLVED (PCI/L AS SR/ YT-90)	GROSS BETA, SUSP. TOTAL (PCI/L AS SR/ YT-90)	RADIUM 226, DIS- SOLVED, RADON METHOD (PCI/L)	URANIUM NATURAL DIS- SOLVED (UG/L AS U)
MAY 19...	0730	80020	8.1	<0.6	<0.6	1.6	<0.6	1.3	<0.6	<0.02	0.02

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, and at mile 201.

DRAINAGE AREA.--2,240 mi², approximately.

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

REMARKS.--Laboratory chemical analyses 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. 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 1991 TO SEPTEMBER 1992

DATE	TIME	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)
OCT 08...	1315	649	100	95	7.2	7.3	18.0	21.0	8.0	84
NOV 13...	0800	694	116	117	7.0	7.4	11.0	1.0	11.2	102
DEC 11...	0800	839	120	112	6.9	7.4	12.0	5.0	9.5	88
JAN 16...	1310	2150	82	81	6.7	6.9	7.5	6.0	10.4	87
FEB 12...	0800	992	90	82	7.0	7.2	8.0	0.5	12.0	101
MAR 11...	0805	4230	83	74	7.1	7.2	13.0	-0.5	10.8	104
APR 15...	0805	1100	93	77	6.8	7.4	17.0	11.0	8.9	92
MAY 20...	0800	629	108	98	7.0	7.2	24.0	22.0	7.4	88
JUN 10...	0900	1780	92	78	6.8	7.0	23.0	26.5	7.1	84
JUL 15...	0810	433	102	97	7.5	7.4	31.0	24.0	5.9	80
AUG 12...	0805	455	130	123	7.3	7.6	28.0	21.0	6.5	84
SEP 09...	0810	5750	83	71	7.1	7.0	25.0	21.0	7.0	85

DATE	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LITY WAT WH TOT 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)
OCT 08...	5.0	—	70	25	4	0.390	<0.030	0.080	3.0
NOV 13...	2.0	0.3	50	32	1	0.500	0.110	<0.020	3.2
DEC 11...	4.0	0.5	50	28	2	0.660	<0.030	0.100	2.6
JAN 16...	19	1.3	130	19	7	0.630	0.070	0.140	2.4
FEB 12...	16	1.0	70	20	5	0.640	0.030	0.110	2.5
MAR 11...	21	0.6	170	17	16	0.490	<0.030	0.110	2.3
APR 15...	6.0	0.5	35	20	2	0.510	<0.030	0.060	2.0
MAY 20...	3.0	2.6	60	26	3	0.650	<0.030	0.060	2.0
JUN 10...	90	2.0	1700	19	67	0.350	<0.030	0.100	8.0
JUL 15...	7.0	0.4	40	23	3	0.390	<0.030	0.180	3.0
AUG 12...	3.0	0.2	140	31	2	0.360	0.030	0.060	3.0
SEP 09...	54	0.5	330	19	38	0.340	0.060	0.050	4.0

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 National Geodetic Vertical Datum of 1929. 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. 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.--82 years (water years 1894-1911, 1929-92), 26.78 ft³/s, 16.24 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)
Aug. 23	2100	*20,500	*20.45	No other peak greater than base discharge.			

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1040	904	1070	3060	1450	4310	2490	816	678	823	457	1750
2	1110	1400	760	2140	1090	3780	2000	810	797	1250	487	1420
3	946	1310	1410	2560	1030	2330	2060	796	774	3580	952	1340
4	710	1250	1540	3960	1000	2730	1830	776	900	4390	818	1240
5	689	1870	1530	3840	1010	2200	1750	961	1990	4340	529	1650
6	685	1630	2450	3580	1720	2900	1640	815	1890	2920	527	2870
7	668	1430	2410	2330	1630	4280	1940	973	1870	2200	489	8350
8	650	708	2320	1770	1560	4910	3050	1020	1080	1200	401	10300
9	644	668	1230	2930	1320	3570	1920	814	2320	1300	478	5260
10	938	689	1280	2540	1460	3320	2030	781	2170	927	529	3450
11	657	690	829	1830	1460	4190	2230	747	1600	575	453	2840
12	637	702	875	1140	994	4170	1840	1460	1680	604	485	2720
13	647	688	1290	2970	1260	3540	1750	1320	4530	593	850	2290
14	665	686	871	5510	1360	2210	1750	749	3340	513	9680	1100
15	664	682	786	3830	1920	2690	1620	699	2100	438	6030	1080
16	659	678	759	2090	6120	2290	1460	729	2000	651	3520	1140
17	677	683	1210	1630	5790	1880	1210	666	1700	826	1570	1210
18	665	690	1170	1410	8930	1700	1050	900	1430	1020	4110	1190
19	627	692	1020	1410	8080	2480	923	710	1170	1430	3740	808
20	607	695	1180	2060	6650	2260	883	864	967	803	3580	974
21	600	698	1200	2240	4950	2580	1590	759	811	605	3070	1430
22	599	1370	964	2010	4340	1860	1470	807	920	851	6190	595
23	608	1550	927	3320	4440	2040	1370	971	612	1240	16600	873
24	642	2420	1100	5390	5010	3230	1400	681	572	1740	14500	2130
25	649	2060	871	4920	4660	3880	990	622	553	2410	7390	3390
26	652	1170	1340	4300	4750	3690	1300	669	661	1480	5960	2980
27	652	1110	1210	3930	5610	3100	1040	567	667	1030	4430	2100
28	649	1810	1030	3830	5970	2350	1110	596	742	1010	4440	7920
29	642	787	1220	3770	5640	2110	989	671	668	917	3600	9710
30	635	712	2270	3680	---	2460	839	529	749	969	3150	8020
31	630	---	3290	3070	---	2410	---	643	---	707	2840	---
TOTAL	21543	32432	41412	93050	101204	91450	47524	24921	41941	43342	111855	92130
MEAN	695	1081	1336	3002	3490	2950	1584	804	1398	1398	3608	3071
MAX	1110	2420	3290	5510	8930	4910	3050	1460	4530	4390	16600	10300
MIN	599	668	759	1140	994	1700	839	529	553	438	401	595

ALTAMAHA RIVER BASIN

02213000 OCMULGEE RIVER AT MACON, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1911 - 1992, BY WATER YEAR (WY) (SINCE REGULATION)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	1333	1575	2522	3773	4463	5354	4287	2675	1869	1684	1476	1124
MAX	6404	9624	7222	11880	10220	16370	14610	7305	7142	5037	5050	3615
(WY)	1930	1949	1984	1936	1961	1929	1936	1964	1912	1912	1984	1929
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 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1911 - 1992	
ANNUAL TOTAL	975043		742804			
ANNUAL MEAN	2671		2030		2637	
HIGHEST ANNUAL MEAN			†2679		4770	
LOWEST ANNUAL MEAN					1122	
HIGHEST DAILY MEAN	14000		Mar 2		80200	
LOWEST DAILY MEAN	597		Aug 8		128	
ANNUAL SEVEN-DAY MINIMUM	619		Oct 19		139	
INSTANTANEOUS PEAK FLOW					a83500	
INSTANTANEOUS PEAK STAGE					29.90	
ANNUAL RUNOFF (CFSM)	1.19		†1.20		1.18	
ANNUAL RUNOFF (INCHES)	16.19		†16.24		15.99	
10 PERCENT EXCEEDS	5590		4320		5100	
50 PERCENT EXCEEDS	1960		1320		1640	
90 PERCENT EXCEEDS	673		646		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.

a Gage height, 28.0 ft.

ALTAMAHA RIVER BASIN

02213050 WALNUT CREEK NEAR GRAY, GA.

LOCATION.--Lat 32°58'20", long 83°37'08", Jones County, Hydrologic Unit 03070103, on downstream side of right bank pier of abandoned bridge, 600 ft downstream from bridge on State Highway 18, 1.4 mi upstream from Bonner Creek, and 5.5 mi southwest of Gray.

DRAINAGE AREA.--29 mi², approximately.

PERIOD OF RECORD.--October 1961 to current year.

GAGE.--Water-stage recorder. Datum of gage is 380.36 ft above National Geodetic Vertical Datum of 1929 (leveling by global positioning system equipment).

REMARKS.--Records good to fair.

EXTREMES OUTSIDE PERIOD OF RECORD.--No flow was observed during June, July, and August 1954.

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)
Aug. 13	2345	*3,070	*9.21	Aug. 28	0115	1,120	4.40

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.2	5.3	6.2	8.6	16	23	15	9.6	3.0	6.8	3.7	16
2	3.5	6.1	6.3	12	14	20	13	9.1	3.1	7.5	3.2	13
3	3.5	5.4	25	47	14	19	13	7.6	3.7	16	3.2	12
4	3.6	5.4	14	21	13	18	12	7.1	5.5	7.0	3.0	9.9
5	3.5	5.3	6.0	14	13	16	12	6.7	3.4	5.2	2.6	23
6	3.2	5.1	4.9	12	16	83	11	6.6	2.9	8.4	2.5	28
7	3.2	5.3	4.6	9.9	14	63	35	7.1	2.7	5.6	2.8	38
8	3.6	5.6	4.6	9.2	12	42	31	7.3	3.0	4.5	2.8	20
9	3.8	5.7	4.6	9.8	11	32	20	7.0	147	3.9	3.3	15
10	3.7	7.6	5.0	9.4	10	55	19	6.4	45	3.3	3.6	12
11	3.6	7.7	4.9	8.7	9.9	55	17	5.8	19	3.0	2.8	9.8
12	3.3	5.8	4.9	8.6	9.7	39	17	5.0	17	3.0	4.3	8.9
13	3.2	5.5	5.2	239	9.7	31	14	6.0	40	2.8	694	8.5
14	3.1	5.4	7.0	139	9.7	25	13	6.5	32	2.7	773	7.9
15	3.7	5.5	6.7	49	49	23	12	5.7	19	2.9	71	7.3
16	4.1	5.6	5.6	31	53	20	11	5.0	13	5.2	33	6.6
17	3.8	5.4	5.0	23	105	18	11	4.6	11	7.7	22	6.5
18	3.9	5.6	5.0	20	94	18	10	4.2	9.0	5.0	17	6.2
19	4.0	5.8	5.0	56	61	22	9.8	3.9	8.0	4.6	13	5.8
20	4.0	5.9	4.8	56	42	18	12	3.9	6.7	3.6	15	5.7
21	4.2	6.2	5.3	39	33	15	58	3.9	5.9	3.4	12	5.3
22	4.6	7.2	6.0	30	26	15	38	3.6	5.3	3.8	29	5.3
23	4.6	7.1	6.3	118	69	16	20	3.2	5.2	12	17	5.5
24	4.7	6.3	6.4	61	53	14	16	3.0	4.9	8.8	50	18
25	4.9	5.0	6.0	39	56	15	14	2.8	4.5	4.9	47	26
26	5.0	4.8	5.8	30	74	18	12	2.7	4.1	5.8	22	11
27	5.0	4.9	6.2	24	46	15	11	3.0	4.3	8.3	69	14
28	5.0	5.0	35	28	36	13	11	3.4	5.7	9.4	312	24
29	4.7	5.1	32	24	29	12	10	4.2	4.5	5.3	50	16
30	4.2	5.9	13	22	---	17	10	4.3	4.7	4.1	28	10
31	4.5	---	9.5	19	---	19	---	4.2	---	3.6	21	---
TOTAL	122.9	172.5	266.8	1217.2	998.0	809	507.8	163.4	443.1	178.1	2332.8	395.2
MEAN	3.96	5.75	8.61	39.3	34.4	26.1	16.9	5.27	14.8	5.75	75.3	13.2
MAX	5.0	7.7	35	239	105	83	58	9.6	147	16	773	38
MIN	3.1	4.8	4.6	8.6	9.7	12	9.8	2.7	2.7	2.7	2.5	5.3
CFSM	.14	.20	.30	1.35	1.19	.90	.58	.18	.51	.20	2.59	.45
IN.	.16	.22	.34	1.56	1.28	1.04	.65	.21	.57	.23	2.99	.51

ALTAMAHA RIVER BASIN

02213050 WALNUT CREEK NEAR GRAY, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1962 - 1992, BY WATER YEAR (WY)

MEAN	8.35	11.3	34.6	54.0	64.4	71.3	46.8	25.9	16.2	13.9	13.2	6.75
MAX	57.5	29.0	331	126	144	250	156	103	143	87.6	75.3	17.8
(WY)	1965	1987	1965	1963	1979	1980	1964	1963	1965	1965	1992	1974
MIN	.92	2.54	5.08	7.28	13.3	14.2	8.64	3.23	2.91	.81	1.19	.60
(WY)	1962	1982	1979	1981	1968	1985	1986	1986	1988	1986	1981	1990

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1962 - 1992	
ANNUAL TOTAL	11648.2		7606.8			
ANNUAL MEAN	31.9		20.8		30.4	
HIGHEST ANNUAL MEAN					74.3	
LOWEST ANNUAL MEAN					11.3	
HIGHEST DAILY MEAN	1550	Apr 5	773	Aug 14	8400	Dec 26 1964
LOWEST DAILY MEAN	2.8	Sep 30	2.5	Aug 6	.00	Oct 3-5 1981
ANNUAL SEVEN-DAY MINIMUM	3.3	Sep 28	2.9	Aug 2	.02	Oct 2 1981
INSTANTANEOUS PEAK FLOW			3070	Aug 13	a15500	Dec 26 1964
INSTANTANEOUS PEAK STAGE			9.21	Aug 13	b23.30	Dec 26 1964
INSTANTANEOUS LOW FLOW			2.3	c	.00	Oct 3-5 1981
ANNUAL RUNOFF (CFSM)	1.10		.72		1.05	
ANNUAL RUNOFF (INCHES)	14.94		9.76		14.25	
10 PERCENT EXCEEDS	48		39		50	
50 PERCENT EXCEEDS	10		8.3		11	
90 PERCENT EXCEEDS	4.6		3.5		2.3	

a From rating curve extended above 5,000 ft³/s on basis of contracted-opening measurement of peak flow.

b From floodmarks.

c Aug. 6, 9, 11, 12.

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 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 National Geodetic Vertical Datum of 1929. Prior to Aug. 28, 1942, nonrecording gage at same site and datum.

REMARKS.--Records good. 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)
June 10	0100	2,060	9.63	Sept. 5	2145	*3,500	*13.59
Aug. 28	1230	3,210	12.86				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	26	26	30	75	112	25	179	59	50	47	64	44
2	25	26	30	926	111	24	157	68	49	49	62	45
3	24	26	59	1510	110	24	129	76	49	52	57	48
4	25	26	108	1470	110	24	122	76	49	53	53	51
5	24	26	86	1050	111	24	115	71	51	58	50	827
6	26	26	57	371	112	28	108	70	51	57	51	70
7	26	25	48	230	109	25	481	70	51	67	49	44
8	26	25	43	113	104	26	427	68	51	76	46	46
9	25	24	40	23	104	26	260	63	923	68	46	80
10	24	25	41	23	104	29	209	61	722	60	45	156
11	24	25	43	23	104	28	187	59	236	55	43	188
12	24	25	42	23	104	26	273	59	204	55	42	131
13	24	24	39	491	107	26	319	61	202	53	50	75
14	24	25	45	991	73	27	207	66	208	51	492	72
15	23	25	49	781	29	29	151	79	211	50	564	51
16	22	25	46	226	529	32	158	75	167	51	292	36
17	22	25	45	82	992	35	146	66	141	48	212	36
18	21	25	43	80	1270	63	129	61	112	52	183	36
19	21	25	43	283	1250	187	120	60	83	51	116	36
20	21	25	41	346	438	178	195	59	65	49	45	36
21	20	26	39	340	283	118	385	59	53	47	305	35
22	20	27	37	187	282	96	233	58	48	48	862	35
23	21	29	37	192	287	137	162	56	45	55	45	36
24	22	33	37	361	287	118	128	53	42	92	52	128
25	22	34	38	473	290	122	117	51	42	109	111	172
26	23	34	38	148	292	164	113	51	43	76	161	170
27	24	34	37	114	272	180	100	50	45	69	163	168
28	24	33	85	218	26	138	86	50	46	91	743	172
29	24	31	192	163	24	124	71	49	45	91	42	168
30	25	30	127	114	---	140	61	49	45	64	41	170
31	25	---	84	113	---	186	---	49	---	60	42	---
TOTAL	727	815	1729	11540	8026	2409	5528	1902	4129	1904	5129	3362
MEAN	23.5	27.2	55.8	372	277	77.7	184	61.4	138	61.4	165	112
MAX	26	34	192	1510	1270	187	481	79	923	109	862	827
MIN	20	24	30	23	24	24	61	49	42	47	41	35
CFSM	.13	.15	.31	2.05	1.52	.43	1.01	.34	.76	.34	.91	.62
IN.	.15	.17	.35	2.36	1.64	.49	1.13	.39	.84	.39	1.05	.69

ALTAMAHA RIVER BASIN

02213500 TOBESOFKEE CREEK NEAR MACON, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1937 - 1992, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	63.6	92.8	198	285	357	424	320	182	105	104	86.2	59.7
MAX	459	672	708	690	794	1295	1099	948	249	299	278	264
(WY)	1965	1949	1965	1964	1961	1944	1964	1953	1957	1971	1984	1953
MIN	5.97	18.2	20.6	43.6	79.2	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 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1937 - 1992	
ANNUAL TOTAL	63073		47200			
ANNUAL MEAN	173		129		189	
HIGHEST ANNUAL MEAN					349	
LOWEST ANNUAL MEAN					78.4	
HIGHEST DAILY MEAN	3670	Apr 6	1510	Jan 3	7310	May 1 1953
LOWEST DAILY MEAN	20	Oct 21, 22	20	Oct 21, 22	2.5	Oct 9 1954
ANNUAL SEVEN-DAY MINIMUM	21	Oct 17	21	Oct 17	3.1	Oct 10 1954
INSTANTANEOUS PEAK FLOW			3500	Sep 5	a9830	Mar 21 1944
INSTANTANEOUS PEAK STAGE			13.59	Sep 5	23.20	Mar 21 1944
INSTANTANEOUS LOW FLOW					2.3	Oct 10 1954
ANNUAL RUNOFF (CFSM)	.95		.71		1.04	
ANNUAL RUNOFF (INCHES)	12.89		9.65		14.09	
10 PERCENT EXCEEDS	300		282		361	
50 PERCENT EXCEEDS	68		56		93	
90 PERCENT EXCEEDS	25		25		29	

a From rating curve extended above 6,300 ft³/s.

ALTAMAHA RIVER BASIN

02213560 TOBESOFKEE CREEK AT MACON, GA.

LOCATION.--Lat 32°46'04", long 83°39'36", Bibb County, Hydrologic Unit 03070103, at second most northern bridge on southbound U.S.

Highways 41 and 129, 10.2 miles downstream from Tobesofkee Dam, 6.2 miles above mouth, at Macon.

DRAINAGE AREA.--208 mi².

PERIOD OF RECORD.--March 1991 to current year.

REMARKS.--Laboratory analyses 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 by the U.S. Geological Survey. Flow regulated to some extent since November 1967 by Lake Tobesofkee upstream.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	TIME	GAGE HEIGHT (FEET)	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)
NOV 18...	1600	3.63	67	67	7.1	6.9	19.0	15.0	8.6	94
JAN 27...	1505	5.03	66	64	7.0	6.6	9.0	13.0	10.0	87
MAR 16...	1515	5.51	55	53	7.1	6.9	13.0	16.0	9.4	90
MAY 18...	1345	4.20	64	60	7.0	7.1	19.0	28.5	7.8	85
JUL 20...	1530	4.46	67	62	7.1	6.9	25.0	32.5	6.5	80
SEP 21...	1425	3.76	68	63	7.4	6.6	24.5	31.0	6.5	80

DATE	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LITY WAT WH TOT FET LAB MG/L AS CACO3	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)
NOV 18...	40	8.0	1.0	130	18	0.090	<0.030	0.060	4.3
JAN 27...	60	24	1.7	170	21	0.850	0.040	0.100	4.0
MAR 16...	80	19	0.4	20	7	0.330	0.050	0.070	4.1
MAY 18...	20	11	0.9	20	18	0.270	0.060	0.070	4.0
JUL 20...	110	15	1.5	110	17	0.340	0.030	0.070	5.0
SEP 21...	90	13	0.6	110	45	0.490	0.030	<0.020	4.4

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. Elevation of gage is 251 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

REMARKS.--Records good, except those for Oct. 3-5, 11-13, Dec. 7-12, and Jan. 3-14, which are fair to poor. Flow regulated by Lloyd Shoals Reservoir. (See "Lakes and Reservoirs in Altamaha River Basin," station 02210000.)

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 15.85, Mar. 19, 1990; minimum daily discharge, 227 ft³/s, Oct. 18, 1987 and July 27, 1988.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 14.82, Feb. 19; minimum daily discharge, 668 ft³/s, Aug. 12.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	920	751	1010	3320	3010	---	2930	1190	867	1060	958	2950
2	---	1140	1090	2980	1960	---	2690	1150	869	1130	763	2260
3	e1300	1450	1180	e2600	1650	---	2580	1130	974	2150	811	1830
4	e1200	1340	1730	---	1540	3020	2410	1110	1020	3330	1250	1760
5	e1000	1690	1700	---	1510	2930	2170	1100	1560	---	1010	1570
6	832	1780	2180	---	1800	2920	2040	1240	2040	---	752	2660
7	827	1630	e2500	---	2210	---	2210	1140	1990	3190	790	---
8	803	1180	e2450	e3000	2140	---	2980	1250	1710	2130	754	---
9	779	858	e1800	e2750	2010	---	3390	1290	1570	1680	707	---
10	850	833	e1300	e3100	1740	---	3110	1100	3020	1560	740	---
11	e1000	847	e1100	e2600	1900	---	2850	1050	---	1110	776	---
12	e750	848	e1150	e1750	1700	---	2520	1080	3210	871	668	3380
13	e770	848	1250	e1950	1580	---	2410	1770	---	992	773	3170
14	763	824	1350	---	1740	---	2380	1400	---	942	---	2380
15	777	817	1060	---	1750	2930	2180	1030	---	790	---	1580
16	781	816	1000	---	---	2870	2140	1030	2980	---	---	1620
17	775	812	1140	---	---	2600	1870	982	2550	1060	---	1550
18	779	807	1410	2560	---	2280	1660	988	2140	1090	2990	1570
19	759	818	1200	2140	---	2370	1470	1120	1760	1610	---	1520
20	729	830	1210	2480	---	2800	1350	951	1480	1440	---	1050
21	703	834	1400	2880	---	2920	1510	1090	1270	1070	---	1660
22	708	878	1280	2920	---	2760	2230	976	1130	867	---	1370
23	716	1670	1080	2980	---	2510	2150	1070	1150	1410	---	920
24	729	1980	1140	---	---	2630	2080	1140	843	1880	---	1450
25	761	2230	1290	---	---	---	1830	876	852	2400	---	2880
26	764	1780	1190	---	---	---	1630	831	830	2390	---	---
27	769	1320	1470	---	---	---	1470	867	909	1600	---	3250
28	772	1480	1400	---	---	3220	1470	761	1000	1390	---	---
29	761	1450	1540	---	---	2880	1450	919	1080	1450	---	---
30	746	944	1820	---	---	2710	1330	873	920	1130	---	---
31	734	---	2950	---	---	2870	---	776	---	1300	---	---
TOTAL	---	35485	45370	---	---	---	64490	33280	---	---	---	---
MEAN	---	1183	1464	---	---	---	2150	1074	---	---	---	---
MAX	---	2230	2950	---	---	---	3390	1770	---	---	---	---
MIN	---	751	1000	---	---	---	1330	761	---	---	---	---
CFSM	---	.44	.54	---	---	---	.80	.40	---	---	---	---
IN.	---	.49	.63	---	---	---	.89	.46	---	---	---	---

e Estimated

ALTAMAHA RIVER BASIN

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

WATER-QUALITY RECORDS

PERIOD OF RECORD.--May 1970 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: October 1970 to current year.

pH: October 1971 to current year.

WATER TEMPERATURE: February 1970 to current year.

DISSOLVED OXYGEN: May 1970 to current year.

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

REMARKS.--Laboratory analyses 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.

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, 8.3 units Jan. 5, 1991; 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, 208 microsiemens Nov. 20; minimum, 65 microsiemens Aug. 10, 15.

pH: Maximum, 7.8 units Nov. 28; minimum, 6.7 units Aug. 15, 24.

WATER TEMPERATURE: Maximum, 31.0 °C July 11, 12, 14; minimum, 5.5 °C Jan. 20, 21.

DISSOLVED OXYGEN: Maximum, 11.8 mg/L Jan. 20, 21; minimum, 4.3 mg/L June 27.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	TIME	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)
OCT 22...	1255	711	158	161	7.4	7.3	19.0	25.0	8.6	94
NOV 18...	1510	820	180	182	7.3	7.6	15.0	20.0	9.1	91
DEC 15...	1445	1050	178	171	7.3	7.4	14.0	16.0	9.4	92
JAN 27...	1415	—	95	96	7.1	7.0	9.0	13.0	11.4	99
FEB 18...	1420	—	78	76	6.9	6.9	10.0	16.0	9.7	88
MAR 16...	1430	2800	92	86	7.3	7.1	13.5	16.0	9.8	95
APR 21...	1350	1460	121	117	7.1	7.3	21.5	26.0	7.4	86
MAY 18...	1250	953	152	144	7.2	7.3	25.0	28.0	7.1	87
JUN 16...	1325	2860	110	105	7.0	7.1	25.0	30.0	6.7	83
JUL 20...	1445	1340	116	109	7.4	7.2	28.0	33.0	6.7	87
AUG 18...	1400	2810	115	110	7.1	7.1	25.5	32.0	6.2	77
SEP 21...	1340	1840	108	—	7.2	7.0	27.0	31.0	7.0	90

ALTAMAHA RIVER BASIN

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	OXYGEN DEMAND, CHEM- ICAL (LOW LEVEL) (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LITY WAT WH TOT FET LAB MG/L AS CACO3	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDE (MG/L)
OCT 22...	5	4.0	32	0.6	70	34	3
NOV 18...	40	5.0	14	0.9	700	48	7
DEC 15...	50	9.0	19	1.2	630	35	6
JAN 27...	55	18	14	1.7	40	10	8
FEB 18...	100	68	27	1.1	790	17	65
MAR 16...	60	19	9	0.4	170	22	16
APR 21...	15	10	11	0.4	130	28	11
MAY 18...	25	8.0	15	0.8	330	35	8
JUN 16...	50	20	17	0.6	330	26	23
JUL 20...	45	22	9	1.3	490	27	24
AUG 18...	55	35	15	1.2	330	29	42
SEP 21...	—	28	17	0.6	460	27	36

DATE	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 22...	2.24	0.080	0.32	0.40	2.6	0.130	3.6
NOV 18...	1.37	<0.030	—	0.40	1.8	0.160	6.1
DEC 15...	1.13	0.080	0.12	0.20	1.3	0.150	4.0
JAN 27...	0.170	0.030	0.27	0.30	0.47	0.060	2.7
FEB 18...	0.580	0.050	0.55	0.60	1.2	0.100	6.8
MAR 16...	0.940	0.030	—	<0.10	—	0.110	3.2
APR 21...	1.20	<0.030	—	0.20	1.4	0.180	3.5
MAY 18...	1.73	0.040	0.56	0.60	2.3	0.060	4.0
JUN 16...	0.800	0.030	0.17	0.20	1.0	0.110	4.0
JUL 20...	0.990	<0.030	—	0.20	1.2	0.110	4.0
AUG 18...	0.600	0.050	0.25	0.30	0.90	0.110	6.0
SEP 21...	0.780	<0.030	—	0.40	1.2	0.170	5.0

ALTAMAHA RIVER BASIN

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

SPECIFIC CONDUCTANCE, MICROSIEMENS PER CENTIMETER AT 25, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	150	138	173	150	159	142	119	114	103	94	81	80
2	143	128	167	144	150	141	119	116	116	105	82	80
3	146	126	143	129	157	132	127	116	116	108	87	82
4	146	133	144	133	137	125	120	104	125	112	95	84
5	154	144	141	118	141	125	103	98	122	108	93	85
6	161	145	132	120	135	121	101	99	129	104	96	87
7	150	143	137	122	127	120	106	99	109	102	90	82
8	157	144	145	127	131	122	116	107	108	99	82	78
9	153	142	160	144	138	124	123	108	108	104	82	79
10	160	149	177	155	141	134	111	105	117	103	86	83
11	150	132	176	161	147	136	115	107	108	100	87	83
12	161	141	177	154	157	145	131	110	112	102	85	83
13	159	146	171	157	166	149	131	105	121	104	86	84
14	151	142	171	146	156	146	104	83	125	102	91	86
15	161	145	174	160	177	159	84	79	115	102	101	86
16	160	145	183	167	191	170	91	82	116	77	93	89
17	161	148	182	165	205	155	97	92	87	77	96	92
18	156	142	188	166	164	121	110	93	87	74	102	92
19	149	141	202	178	147	123	120	103	76	72	111	93
20	160	141	208	174	137	129	121	97	79	76	97	92
21	152	144	186	167	136	129	106	94	83	80	99	90
22	161	146	180	161	136	127	103	93	87	83	98	91
23	156	146	165	134	140	129	111	100	87	86	103	90
24	159	147	143	127	138	133	104	85	88	76	104	87
25	167	154	130	126	142	126	89	83	80	78	90	85
26	165	149	138	129	137	122	92	89	81	79	92	89
27	161	149	149	133	133	123	102	93	82	78	93	89
28	169	153	152	125	131	123	101	98	80	77	98	93
29	177	163	134	129	135	121	101	94	80	79	98	92
30	172	158	147	136	129	119	95	91	---	---	101	93
31	168	153	---	---	123	111	95	90	---	---	100	93
MONTH	177	126	208	118	205	111	131	79	129	72	111	78

[illegible]

ALTAMAHA RIVER BASIN

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

PH (STANDARD UNITS), WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	7.5	7.4	7.6	7.4	7.6	7.5	7.4	7.4	7.3	7.1	7.2	7.1
2	7.5	7.5	7.6	7.6	7.6	7.5	7.4	7.3	7.3	7.2	7.2	7.1
3	7.5	7.5	7.6	7.5	7.5	7.4	7.4	7.3	7.3	7.1	7.2	7.1
4	7.5	7.4	7.6	7.6	7.5	7.3	7.4	7.2	7.2	7.1	7.2	7.0
5	7.4	7.4	7.7	7.6	7.5	7.4	7.2	7.1	7.3	7.1	7.2	7.1
6	7.5	7.4	7.6	7.6	7.6	7.5	7.1	7.1	7.3	7.2	7.2	7.1
7	7.5	7.5	7.6	7.6	7.5	7.5	7.2	7.1	7.3	7.1	7.2	7.1
8	7.6	7.5	7.6	7.5	7.5	7.5	7.2	7.1	7.3	7.2	7.1	7.1
9	7.6	7.5	7.5	7.5	7.5	7.4	7.3	7.2	7.3	7.2	7.2	7.1
10	7.5	7.5	7.7	7.5	7.4	7.4	7.3	7.3	7.3	7.3	7.2	7.1
11	7.6	7.5	7.7	7.6	7.4	7.4	7.3	7.3	7.3	7.2	7.3	7.2
12	7.5	7.5	7.7	7.6	7.4	7.4	7.3	7.3	7.2	7.1	7.3	7.3
13	7.5	7.5	7.7	7.6	7.5	7.4	7.3	7.3	7.1	7.1	7.3	7.3
14	7.5	7.5	7.6	7.5	7.5	7.4	7.3	7.2	7.2	7.1	7.3	7.2
15	7.6	7.5	7.6	7.5	7.5	7.5	7.2	7.2	7.2	7.1	7.4	7.2
16	7.5	7.5	7.6	7.5	7.6	7.5	7.2	7.2	7.1	6.9	7.3	7.3
17	7.6	7.5	7.6	7.5	7.6	7.5	7.2	6.9	7.1	6.9	7.3	7.3
18	7.6	7.5	7.6	7.5	7.6	7.5	7.2	7.2	7.1	6.9	7.3	7.3
19	7.6	7.5	7.6	7.6	7.5	7.4	7.2	7.2	6.9	6.9	7.3	7.2
20	7.6	7.5	7.6	7.5	7.5	7.4	7.2	7.1	7.0	6.9	7.3	7.2
21	7.5	7.5	7.5	7.5	7.6	7.5	7.2	7.2	7.1	7.0	7.4	7.3
22	7.5	7.5	7.5	7.5	7.6	7.4	7.2	7.2	7.1	7.0	7.3	7.3
23	7.5	7.5	7.6	7.5	7.4	7.3	7.2	7.2	7.1	7.1	7.3	7.2
24	7.5	7.4	7.7	7.6	7.4	7.4	7.2	7.2	7.1	7.0	7.4	7.3
25	7.5	7.5	7.7	7.7	7.5	7.4	7.2	7.1	7.0	7.0	7.4	7.3
26	7.5	7.5	7.7	7.6	7.5	7.4	7.3	6.9	7.1	7.0	7.4	7.3
27	7.5	7.4	7.7	7.6	7.5	7.5	7.2	7.1	7.1	7.1	7.4	7.3
28	7.5	7.5	7.8	7.6	7.5	7.3	7.3	7.2	7.2	7.1	7.4	7.3
29	7.5	7.5	7.7	7.5	7.3	7.2	7.3	7.1	7.2	7.1	7.3	7.3
30	7.5	7.5	7.5	7.5	7.3	7.2	7.2	7.1	---	---	7.4	7.3
31	7.5	7.5	---	---	7.4	7.3	7.2	7.1	---	---	7.4	7.3
MONTH	7.6	7.4	7.8	7.4	7.6	7.2	7.4	6.9	7.3	6.9	7.4	7.0

[illegible]

ALTAMAHA RIVER BASIN

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

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	22.5	21.0	20.0	19.0	16.0	14.5	9.5	9.0	10.0	9.5	13.5	12.5
2	22.5	22.0	19.5	17.0	17.0	15.5	9.5	9.0	10.0	9.5	14.0	13.0
3	23.0	22.0	17.0	15.0	17.5	16.5	10.0	9.5	10.0	9.0	14.5	13.5
4	23.5	22.0	15.0	13.0	16.0	13.0	10.5	10.0	10.0	9.0	15.5	14.5
5	24.0	22.5	13.0	12.0	12.5	10.0	10.5	10.0	10.0	9.5	15.5	15.0
6	23.5	21.5	13.0	12.5	10.0	9.5	10.5	10.0	9.5	8.5	15.5	15.0
7	21.5	18.5	13.5	13.0	10.5	9.5	10.0	9.5	9.0	8.5	16.5	15.5
8	19.0	17.5	13.5	13.0	11.5	10.5	9.5	9.0	9.5	8.5	17.0	16.5
9	19.0	17.0	13.0	12.0	13.0	11.5	9.5	9.5	8.5	8.0	16.5	16.0
10	20.0	18.0	12.5	12.0	14.0	13.0	10.0	9.5	8.5	7.5	16.5	15.5
11	20.0	18.5	12.0	11.0	14.0	13.0	9.5	8.5	9.0	7.5	15.5	13.0
12	20.5	19.0	12.0	11.0	13.5	13.0	9.5	8.5	10.0	9.0	13.0	12.0
13	20.5	19.0	12.5	11.0	14.5	13.5	11.0	9.5	10.5	9.5	13.5	12.5
14	20.0	18.0	13.0	11.5	14.5	14.0	11.5	11.0	10.5	10.5	13.5	12.5
15	20.0	19.0	13.5	12.0	14.0	12.0	11.0	9.0	11.5	10.5	14.0	13.0
16	19.5	18.0	14.5	13.0	12.0	10.5	9.0	7.0	12.0	11.5	13.0	12.5
17	19.0	17.0	15.5	14.0	10.0	9.5	7.0	6.0	12.0	10.5	13.5	12.5
18	18.5	16.5	15.5	15.0	9.5	8.5	6.5	6.0	10.5	10.0	13.5	13.0
19	19.0	16.5	16.0	15.0	8.5	7.5	6.5	6.0	11.5	10.0	15.0	13.5
20	19.0	17.0	17.5	16.0	8.0	7.0	6.0	5.5	12.0	11.5	15.5	14.5
21	19.0	18.0	18.5	17.0	8.5	7.0	6.0	5.5	11.5	11.0	14.5	14.0
22	20.0	18.0	19.0	17.5	10.0	8.5	7.5	6.0	11.5	11.0	14.0	13.5
23	21.0	19.0	17.5	16.0	11.5	10.0	9.5	7.5	12.5	11.5	14.0	13.5
24	21.5	20.0	16.0	13.0	12.0	11.0	9.5	9.0	14.0	12.5	14.0	13.5
25	22.0	20.5	13.0	11.0	11.5	11.0	9.0	7.5	14.0	14.0	13.5	12.5
26	22.0	20.5	11.0	10.0	11.0	10.0	8.0	7.5	14.0	13.0	13.0	12.5
27	22.5	21.0	10.5	10.0	10.0	9.5	8.5	7.5	13.0	11.5	13.5	12.5
28	22.5	21.0	10.5	9.5	10.0	9.5	8.5	8.0	12.5	11.5	14.0	13.0
29	21.5	20.5	12.0	10.0	10.0	9.5	9.5	8.5	13.0	12.0	14.0	13.5
30	20.5	19.5	14.5	12.0	10.0	9.5	10.0	9.5	--	--	13.5	13.5
31	20.5	18.5	--	--	9.5	9.0	10.0	9.5	--	--	14.5	13.5
MONTH	24.0	16.5	20.0	9.5	17.5	7.0	11.5	5.5	14.0	7.5	17.0	12.0

ALTAMAHA RIVER BASIN

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

OXYGEN, DISSOLVED (MG/L), WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	7.6	7.4	8.1	7.8	9.5	9.3	11.1	10.9	10.3	9.9	9.7	9.5
2	7.8	7.6	8.5	7.9	9.5	8.9	11.1	10.9	10.1	9.8	9.7	9.6
3	7.7	7.5	8.9	8.5	9.1	8.7	10.9	10.5	10.3	10.2	9.6	9.2
4	7.6	7.2	9.3	9.0	9.6	8.6	10.5	10.2	10.3	10.1	9.4	8.9
5	7.2	6.9	9.8	9.4	10.5	9.6	10.2	10.1	10.2	10.1	9.2	9.0
6	7.2	7.0	9.7	9.5	11.1	10.5	10.2	10.1	10.6	10.1	9.2	8.9
7	8.0	7.2	9.7	9.4	11.0	10.8	10.3	10.1	10.6	10.5	9.1	8.8
8	8.2	8.0	9.6	9.2	10.9	10.7	10.5	10.1	10.7	10.4	8.9	8.7
9	8.3	8.1	9.5	9.4	10.7	9.9	10.9	10.5	10.9	10.6	9.0	8.8
10	8.2	8.0	9.6	9.5	10.0	9.8	10.7	10.5	11.1	10.6	8.9	8.6
11	8.3	7.8	9.7	9.6	10.0	9.6	10.9	10.5	11.2	11.0	9.5	8.8
12	7.8	7.6	9.9	9.7	9.7	9.6	10.9	10.5	10.9	10.4	10.0	9.5
13	7.8	7.6	9.9	9.7	9.9	9.7	10.7	10.2	10.4	10.1	9.9	9.7
14	8.0	7.7	9.8	9.6	9.9	9.3	10.2	9.6	10.4	10.0	9.8	9.5
15	7.9	7.6	9.7	9.5	9.6	9.1	10.1	9.5	10.3	10.0	9.9	9.2
16	7.9	7.7	9.5	9.2	10.1	9.6	10.6	10.1	10.2	9.6	9.8	9.7
17	8.4	8.0	9.3	8.9	10.8	10.1	11.2	10.6	9.8	9.5	9.9	9.8
18	8.5	8.2	9.0	8.8	11.2	10.8	11.2	10.9	9.9	9.8	9.8	9.6
19	8.5	8.2	8.9	8.8	11.2	10.7	11.3	11.0	9.8	9.6	9.5	9.2
20	8.3	8.1	8.8	8.5	11.4	11.1	11.8	11.3	9.6	9.5	9.4	9.0
21	8.2	8.1	8.5	8.2	11.5	11.3	11.8	11.6	9.8	9.6	9.6	9.1
22	8.2	7.9	8.3	8.1	11.3	10.7	11.6	11.3	10.0	9.8	9.6	9.4
23	8.0	7.7	9.0	8.3	10.8	10.1	11.2	10.7	9.9	9.7	9.6	9.3
24	7.8	7.5	9.6	9.0	10.2	10.0	10.7	10.5	9.6	9.2	9.9	9.3
25	7.7	7.5	10.2	9.6	10.3	10.0	11.1	10.5	9.2	9.1	10.0	9.8
26	7.7	7.5	10.5	10.1	10.8	10.2	11.2	11.1	9.1	9.0	10.0	9.8
27	7.7	7.5	10.7	10.2	11.0	10.8	11.2	11.0	9.8	9.1	10.0	9.8
28	7.6	7.5	10.9	10.4	11.0	10.3	11.0	10.9	9.9	9.8	9.8	9.5
29	7.7	7.6	10.8	10.0	10.4	10.3	10.9	10.7	9.8	9.6	9.7	9.6
30	8.0	7.6	10.0	9.5	10.6	10.4	10.7	10.5	---	---	9.6	9.5
31	8.2	8.0	---	---	10.9	10.7	10.5	10.4	---	---	9.6	9.4
MONTH	8.5	6.9	10.9	7.8	11.5	8.6	11.8	9.5	11.2	9.0	10.0	8.6

[illegible]

ALTAMAHA RIVER BASIN

02214265 OCMULGEE RIVER NEAR BONAIRE, GA.

LOCATION.--Lat 32°32'33", long 83°32'13", Houston-Twiggs County line, Hydrologic Unit 03070104, at bridge on State Highway 96, 0.4 mi downstream from Flat Creek and 3.5 mi east of Bonaire.

PERIOD OF RECORD.--August 1974 to current year.

REMARKS.--Laboratory chemical analyses 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. Flow regulated by Lloyd Shoals Reservoir (see "Lakes and Reservoirs in Altamaha River Basin", station 02210000).

WATER-QUALITY DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	TIME	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)
OCT 22...	1200	910	132	131	7.1	7.1	18.5	25.0	8.1	88
NOV 18...	1420	1020	152	152	7.2	7.3	15.0	18.5	9.0	90
DEC 15...	1400	1370	137	134	7.1	7.1	13.5	16.0	9.2	89
JAN 27...	1300	6500	84	84	7.0	6.7	9.0	12.5	11.3	98
FEB 18...	1350	5300	76	74	6.8	6.7	11.0	16.0	8.7	80
MAR 16...	1330	4200	86	81	7.2	7.0	13.0	13.5	9.5	91
APR 21...	1300	1740	107	102	7.0	6.9	21.0	26.0	7.1	82
MAY 18...	1200	1180	138	130	7.2	7.2	23.0	28.5	6.9	82
JUN 16...	1240	5150	94	91	6.8	6.9	23.0	32.0	6.2	74
JUL 20...	1400	1950	105	94	7.2	7.1	26.0	33.0	6.2	78
AUG 18...	1315	7600	86	86	6.9	6.7	24.0	32.0	5.9	71
SEP 21...	1245	1420	128	129	7.2	6.8	26.0	32.0	6.2	78

DATE	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LITY WAT WH TOT FET LAB MG/L AS CACO3	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)
OCT 22...	10	5.0	0.3	50	29	1.23	0.040	0.080	3.0
NOV 18...	40	7.0	0.5	<20	41	1.10	<0.030	0.120	4.6
DEC 15...	40	10	0.5	220	33	0.890	0.040	0.100	3.4
JAN 27...	60	26	1.5	460	16	0.560	<0.030	0.060	3.7
FEB 18...	100	54	1.0	900	17	0.510	0.040	0.100	6.8
MAR 16...	40	21	0.7	80	22	0.640	<0.030	0.090	3.0
APR 21...	20	16	0.4	230	24	0.890	<0.030	0.160	4.0
MAY 18...	20	14	0.7	70	31	1.45	0.060	0.150	4.0
JUN 16...	60	26	1.6	130	21	0.540	0.030	0.090	4.0
JUL 20...	90	66	1.4	790	22	0.610	<0.030	0.140	4.0
AUG 18...	140	33	1.0	700	19	0.280	<0.030	0.070	8.0
SEP 21...	30	22	0.7	130	31	0.960	0.050	0.070	3.6

ALTAMAHA RIVER BASIN

02215100 TUCSAWHATCHEE CREEK NEAR HAWKINSVILLE, GA.

LOCATION.--Lat 32°14'22", long 83°30'06", Pulaski County, Hydrologic Unit 03070104, in 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 National Geodetic Vertical Datum of 1929 (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. 16	0400	1,010	8.34	Mar. 8	0800	1,430	9.50
Feb. 19	1000	1,740	10.19	Mar. 21	0100	1,160	8.79
Feb. 25	0500	*2,000	*10.68				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	26	26	35	63	263	351	415	89	78	59	46	31
2	27	26	36	56	230	322	340	85	58	93	47	28
3	32	26	42	66	191	292	273	79	51	95	27	26
4	34	27	70	73	164	269	237	73	66	82	20	40
5	33	28	75	69	153	265	210	66	71	65	16	54
6	34	29	62	58	208	339	191	62	57	76	14	84
7	32	31	46	52	332	874	189	62	44	93	14	98
8	29	33	41	48	470	1350	233	64	38	98	63	85
9	28	34	40	45	393	929	290	65	65	64	78	122
10	27	35	44	47	275	595	248	62	112	46	41	128
11	27	35	48	46	223	574	204	56	129	38	29	76
12	26	35	48	43	197	762	200	52	122	33	20	53
13	25	35	43	79	184	631	192	50	260	64	16	41
14	25	35	41	202	172	423	170	51	279	120	43	34
15	25	34	40	616	190	350	151	55	197	77	61	32
16	30	34	38	902	332	303	139	73	268	55	46	35
17	34	33	36	408	989	273	129	75	146	62	33	29
18	33	32	35	200	1470	257	121	62	92	67	29	27
19	28	32	35	189	1670	385	113	50	75	57	128	24
20	26	33	34	231	1180	905	111	45	63	53	271	23
21	25	34	34	301	745	1050	159	41	51	47	249	21
22	25	35	35	241	499	627	243	37	43	45	215	20
23	25	35	37	226	549	426	258	34	38	71	214	19
24	26	35	45	291	1250	359	182	30	35	92	179	23
25	26	35	48	467	1770	320	132	28	33	91	100	28
26	26	35	43	370	1060	315	109	28	30	63	76	32
27	26	35	42	240	685	358	98	28	39	43	66	30
28	27	35	81	205	503	337	98	38	56	34	67	32
29	26	35	113	223	404	279	97	75	75	30	59	33
30	26	35	113	261	---	263	94	94	63	27	45	29
31	25	---	91	289	---	334	---	83	---	27	36	---
TOTAL	864	982	1571	6607	16751	15117	5626	1792	2734	1967	2348	1337
MEAN	27.9	32.7	50.7	213	578	488	188	57.8	91.1	63.5	75.7	44.6
MAX	34	35	113	902	1770	1350	415	94	279	120	271	128
MIN	25	26	34	43	153	257	94	28	30	27	14	19
CFSM	.17	.20	.31	1.31	3.54	2.99	1.15	.35	.56	.39	.46	.27
IN.	.20	.22	.36	1.51	3.82	3.45	1.28	.41	.62	.45	.54	.31

ALTAMAHA RIVER BASIN

02215100 TUCSAWHATCHEE CREEK NEAR HAWKINSVILLE, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1986 - 1992, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	24.7	35.6	102	335	326	361	139	78.7	71.9	84.6	69.4	37.1
MAX	42.5	54.8	247	871	578	648	188	311	224	253	312	52.0
(WY)	1990	1990	1990	1987	1992	1991	1992	1991	1989	1989	1991	1989
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 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1986 - 1992	
ANNUAL TOTAL	74677		57696			
ANNUAL MEAN	205		158		143	
HIGHEST ANNUAL MEAN					211	
LOWEST ANNUAL MEAN			56.3		198	
HIGHEST DAILY MEAN	3890	Mar 4	1770	Feb 25	3890	Mar 4 1991
LOWEST DAILY MEAN	24	Jun 23	14	Aug 6, 7	1.1	Jul 23 1986
ANNUAL SEVEN-DAY MINIMUM	26	Oct 20	22	Sep 18	1.4	Jul 20 1986
1986INSTANTANEOUS PEAK FLOW			2000	Feb 25	4740	Mar 3 1991
INSTANTANEOUS PEAK STAGE			10.68	Feb 25	14.13	Mar 3 1991
INSTANTANEOUS LOW FLOW			13	Aug 7	1.1	Jul 23, 24 1986
ANNUAL RUNOFF (CFSM)	1.26		.97		.88	
ANNUAL RUNOFF (INCHES)	17.04		13.17		11.90	
10 PERCENT EXCEEDS	453		353		333	
50 PERCENT EXCEEDS	100		62		45	
90 PERCENT EXCEEDS	31		27		12	

ALTAMAHA RIVER BASIN

02215260 OCMULGEE RIVER AT ABBEVILLE, GA.

LOCATION.--Lat 31°59'47", long 83°16'43", Wilcox-Telfair County line, Hydrologic Unit 03070104, at bridge on U.S. Highway 280, 1.0 mi east of Abbeville.

DRAINAGE AREA.--4,460 mi².

PERIOD OF RECORD.--August 1974 to June 1979, July 1990 to current year.

REMARKS.--Laboratory analyses 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 by the U.S. Geological Survey. Flow regulated by Lloyd Shoals Reservoir (See "Lakes and Reservoirs in Altamaha River Basin", station 02210000).

WATER-QUALITY DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	TIME	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)
NOV 18...	1140	1020	145	147	7.3	7.5	15.0	18.0	9.4	94
JAN 27...	1050	5200	85	86	7.1	6.9	9.0	11.0	10.0	87
MAR 16...	1110	5900	82	77	7.2	7.0	13.0	10.0	9.0	86
MAY 18...	1010	1750	128	122	7.2	7.3	22.5	26.5	7.2	84
JUL 20...	1155	1980	146	143	7.3	7.4	27.5	29.0	6.8	87
SEP 21...	1000	2200	120	114	7.2	6.9	25.5	23.0	6.7	83

DATE	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LITY WAT WH TOT FET LAB MG/L AS CACO3	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)
NOV 18...	30	5.0	0.4	50	43	0.930	<0.030	0.100	4.0
JAN 27...	60	33	1.9	270	20	0.480	<0.030	0.080	5.1
MAR 16...	60	14	1.0	<20	23	0.410	<0.030	0.060	4.4
MAY 18...	25	12	0.8	<20	37	0.980	0.030	0.110	4.0
JUL 20...	40	13	1.3	70	40	1.12	<0.030	0.110	4.0
SEP 21...	35	18	0.5	130	32	0.760	<0.030	0.050	3.4

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 National Geodetic Vertical Datum of 1929. 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 67,000 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)
Mar. 1	1700	*16,100	*12.85	No other peak greater than base discharge.			

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2190	1460	2260	2960	8260	16100	11200	3520	1980	2050	2550	6850
2	2220	1450	2190	3150	8240	15700	11900	3300	2140	2230	2400	7500
3	2100	1440	2210	3290	8120	14500	11000	3130	2290	2530	2250	8170
4	1930	1430	2060	3450	7930	12900	9670	2960	2440	2590	2150	8670
5	1860	1430	1950	3610	7710	11300	8560	2780	2390	2530	2040	8910
6	1910	1560	1960	3730	8330	10200	7760	2630	2300	2530	1850	9480
7	1960	1780	2080	3800	11000	10300	7150	2520	2250	2760	1720	8790
8	1900	1900	2370	3810	11700	10900	6700	2440	2240	3140	1800	7550
9	1790	2030	2570	3860	10900	11100	6320	2390	2430	3470	1820	6150
10	1710	2190	2740	3940	9480	11200	6000	2400	2780	3710	1720	5470
11	1670	2230	2900	4060	8360	11200	5850	2380	3120	3890	1690	5290
12	1630	2080	3000	4200	7650	11200	5870	2400	3960	3940	1680	5240
13	1600	1860	2930	4650	7110	11100	5960	2380	5010	3550	1600	5230
14	1600	1730	2680	5930	6520	10700	6030	2280	5570	2950	1640	5330
15	1680	1680	2420	6440	5950	10200	6020	2190	5940	2480	2170	5540
16	1650	1650	2190	6740	5710	9550	5920	2200	6070	2160	3040	5830
17	1580	1630	2120	6790	5870	9080	5690	2420	6140	2030	2620	6150
18	1550	1610	2140	6650	7620	8660	5360	2430	6210	1960	2900	6330
19	1560	1590	2040	6660	9610	8540	5010	2250	6150	1890	3520	6030
20	1560	1570	1940	6960	11100	8930	4710	2100	5950	1880	4030	4690
21	1560	1550	1940	7190	11600	9080	4510	2020	5660	1970	4460	3500
22	1550	1540	2040	7390	11800	8970	4860	1960	5280	2120	5250	3070
23	1540	1540	2050	7760	12000	8780	5170	1940	4530	2400	6400	2850
24	1510	1540	2030	8390	12700	8640	5400	1890	3590	2720	7000	2660
25	1480	1540	2080	8470	13500	8580	5560	1870	2980	2560	7120	2820
26	1470	1590	2080	8190	14200	9100	5450	1840	2630	2340	6920	2980
27	1460	1850	2010	7740	14700	9170	5140	1830	2450	2440	6570	2710
28	1450	2170	2120	7380	15200	8500	4740	1860	2210	2670	6360	2800
29	1460	2430	2290	7500	15800	7700	4280	1800	2060	2880	6240	3250
30	1460	2450	2510	7850	---	7400	3850	1770	2100	2990	6200	3760
31	1460	---	2740	8120	---	9430	---	1850	---	2820	6390	---
TOTAL	52050	52500	70640	180660	288670	318710	191640	71730	110850	82180	114100	163600
MEAN	1679	1750	2279	5828	9954	10280	6388	2314	3695	2651	3681	5453
MAX	2220	2450	3000	8470	15800	16100	11900	3520	6210	3940	7120	9480
MIN	1450	1430	1940	2960	5710	7400	3850	1770	1980	1880	1600	2660
CFSM	.32	.34	.44	1.13	1.92	1.98	1.23	.45	.71	.51	.71	1.05
IN.	.37	.38	.51	1.30	2.07	2.29	1.38	.52	.80	.59	.82	1.17

ALTAMAHA RIVER BASIN

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

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1937 - 1992, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	2501	2553	4546	7157	9219	11260	9847	5662	3752	3449	3256	2498
MAX	6771	11140	24070	17790	18920	25290	26590	15710	9360	8709	8502	5696
(WY)	1965	1948	1949	1946	1973	1966	1944	1964	1973	1963	1984	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 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1937 - 1992	
ANNUAL TOTAL	2166910	1697330				
ANNUAL MEAN	5937	4638	5456			
HIGHEST ANNUAL MEAN					9670	1948
LOWEST ANNUAL MEAN					2679	1981
HIGHEST DAILY MEAN	24700	Mar 11	16100	Mar 1	70000	Dec 8 1948
LOWEST DAILY MEAN	1430	Nov 4, 5	1430	Nov 4, 5	808	Oct 30 1954
ANNUAL SEVEN-DAY MINIMUM	1450	Oct 30	1450	Oct 30	813	Oct 28 1954
INSTANTANEOUS PEAK FLOW			16100	Mar 1	70000	Dec 8 1948
INSTANTANEOUS PEAK STAGE			12.85	Mar 1	22.70	Dec 9 1948
INSTANTANEOUS LOW FLOW			a1420	Nov 4, 5	800	Oct 30-Nov 3 1954
ANNUAL RUNOFF (CFSM)	1.15		.90		1.05	
ANNUAL RUNOFF (INCHES)	15.56		12.19		14.31	
10 PERCENT EXCEEDS	11400		9440		11500	
50 PERCENT EXCEEDS	5130		2980		3590	
90 PERCENT EXCEEDS	1660		1650		1680	

a Gage height, 1.10 ft.

ALTAMAHA RIVER BASIN

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

WATER-QUALITY RECORDS

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

REMARKS.--Laboratory chemical analyses 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 1991 TO SEPTEMBER 1992

DATE	TIME	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)
OCT 23...	1435	1530	156	153	7.8	7.7	21.5	29.0	4.8	54
NOV 14...	0615	1750	142	144	7.7	7.4	11.0	5.0	9.3	84
DEC 10...	1545	2770	127	129	7.7	7.3	15.0	25.0	8.4	83
JAN 22...	1010	7370	76	76	7.2	6.8	7.0	11.0	7.3	60
FEB 12...	0920	7720	83	79	7.1	6.8	9.0	8.0	8.1	69
MAR 11...	0800	11200	78	76	7.0	6.8	16.0	2.5	6.3	64
APR 28...	1430	4690	104	100	7.2	7.2	20.0	20.5	7.8	86
MAY 27...	0750	1830	150	141	7.8	-	25.0	21.0	7.6	93
JUN 10...	0705	2710	134	124	7.6	7.5	26.0	24.0	5.9	73
JUL 15...	0700	2560	136	130	7.4	7.4	29.0	25.0	5.8	75
AUG 11...	1600	1700	151	150	7.9	7.9	31.0	34.0	7.2	97
SEP 16...	0640	5760	92	-	7.1	-	25.0	24.0	6.5	79
28...	1040	2750	130	125	7.4	7.4	24.0	28.0	6.7	80

DATE	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LITY WAT WH TOT 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)
OCT 23...	20	5.0	0.7	20	53	4	0.390	0.220	0.060	2.6
NOV 14...	-	12	0.8	50	45	17	0.820	0.030	0.110	2.3
DEC 10...	40	12	0.5	50	35	10	0.780	<0.030	0.140	3.8
JAN 22...	130	33	1.8	110	16	13	0.340	0.030	0.080	8.5
FEB 12...	60	16	1.6	-	19	7	0.390	0.070	0.090	8.1
MAR 11...	70	13	1.1	70	22	5	0.230	<0.030	0.090	6.2
APR 28...	45	17	0.3	<20	30	17	0.530	0.040	0.130	5.1
MAY 27...	20	14	0.4	50	7	16	0.960	<0.030	0.150	21
JUN 10...	20	29	1.0	-	40	39	0.900	<0.030	0.090	5.0
JUL 15...	30	25	0.6	-	40	38	0.580	<0.030	0.200	3.0
AUG 11...	20	11	0.8	110	48	10	0.490	0.040	0.100	3.0
SEP 16...	-	-	-	-	-	-	-	-	-	-
28...	30	19	0.9	790	46	24	0.540	<0.030	0.110	4.1

ALTAMAHA RIVER BASIN

02215735 GUM SWAMP CREEK NEAR EASTMAN, GA.

LOCATION.--Lat 32°12'16", long 83°08'13", Dodge County, Hydrologic Unit 03070105, at State Highway 46, 0.8 miles downstream of Sheffield Branch, and 2.5 miles east of Eastman.

PERIOD OF RECORD.--July 1991 to current year.

REMARKS.--Laboratory analyses 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 by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	TIME	GAGE HEIGHT (FEET)	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)
NOV 18...	1235	4.86	86	83	6.7	6.5	12.5	18.5	2.0	19
JAN 27...	1135	7.66	45	45	6.9	--	9.0	12.5	9.9	86
MAR 16...	1210	7.52	42	40	6.9	6.4	11.5	12.0	8.9	82
MAY 18...	1055	4.97	86	76	6.6	6.6	19.5	28.0	2.0	22
JUL 20...	1250	6.02	52	43	6.6	6.3	24.0	32.0	4.9	59
SEP 21...	1040	5.10	71	67	6.8	6.5	24.0	26.0	3.5	42

DATE	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LITY WAT WH TOT FET LAB MG/L AS CACO3	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)
NOV 18...	180	10	1.4	700	25	0.060	0.420	0.080	16
JAN 27...	40	9.0	1.3	130	3	0.120	<0.030	0.030	7.9
MAR 16...	60	6.0	1.0	220	8	0.090	<0.030	0.030	7.2
MAY 18...	120	7.0	1.9	490	27	0.020	0.420	0.060	12
JUL 20...	120	17	2.4	170	9	0.050	<0.030	0.050	12
SEP 21...	110	4.0	1.7	490	21	0.080	0.090	0.020	13

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 National Geodetic Vertical Datum of 1929 (levels by Georgia Department of Transportation).

REMARKS.--Records good, except those less than 1 ft³/s, which are fair.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 600 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Feb. 18	0245	*760	*8.52	No other peak greater than base discharge.			

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	.00	.00	4.8	189	90	303	7.5	57	48	.01	3.2
2	.00	.00	.00	4.4	133	76	194	5.7	98	79	.00	2.8
3	.00	.00	.00	8.6	99	70	111	4.3	21	89	.00	2.5
4	.00	.00	.35	12	79	65	78	3.0	29	57	.00	3.1
5	.00	.00	.12	13	73	63	63	2.0	35	28	.00	14
6	.00	.00	.03	11	250	172	52	1.5	28	19	.00	36
7	.00	.00	.04	9.5	526	387	52	1.1	9.9	14	.19	24
8	.00	.00	.08	8.0	410	340	77	1.3	4.9	7.9	1.1	18
9	.00	.00	.22	7.3	264	231	80	1.9	44	4.8	.60	18
10	.00	.00	1.8	7.0	165	153	67	3.2	138	3.1	.12	12
11	.00	.00	2.0	6.8	114	156	55	2.4	87	3.2	.02	8.0
12	.00	.00	2.5	5.5	94	147	47	1.6	112	2.1	.00	5.4
13	.00	.00	2.8	172	84	127	42	1.2	274	1.4	.01	3.8
14	.00	.00	3.3	473	81	88	36	.87	200	1.0	48	2.8
15	.00	.00	4.1	302	89	69	30	.43	102	.66	88	2.2
16	.00	.00	4.1	254	169	60	25	.19	62	.47	27	1.7
17	.00	.00	4.1	146	311	54	20	.08	69	.52	12	1.5
18	.00	.00	3.9	78	663	51	17	.02	37	2.5	7.2	1.2
19	.00	.00	3.8	134	516	165	14	.01	20	33	6.6	1.0
20	.00	.00	3.7	218	318	318	13	.00	16	6.7	16	.85
21	.00	.00	3.7	177	209	305	58	.00	11	2.9	14	.69
22	.00	.00	3.9	140	150	184	204	.00	6.6	1.8	95	1.1
23	.00	.00	4.0	171	213	117	299	.00	4.5	1.5	190	1.9
24	.00	.00	4.3	264	350	89	177	.00	3.6	1.1	58	115
25	.00	.00	4.3	226	395	80	64	.00	2.8	.54	37	45
26	.00	.00	4.3	184	291	129	33	.00	2.2	.21	27	14
27	.00	.00	4.5	116	216	126	21	.00	2.0	.09	16	35
28	.00	.00	8.9	97	157	99	15	10	3.6	.05	11	412
29	.00	.00	18	200	114	69	11	28	3.5	.20	7.6	149
30	.00	.00	13	237	---	115	9.3	26	10	.14	5.4	47
31	.00	---	6.8	239	---	391	---	26	---	.03	4.0	---
TOTAL	0.00	0.00	112.64	3925.9	6722	4586	2267.3	128.30	1493.6	409.91	671.85	982.74
MEAN	.000	.000	3.63	127	232	148	75.6	4.14	49.8	13.2	21.7	32.8
MAX	.00	.00	18	473	663	391	303	28	274	89	190	412
MIN	.00	.00	.00	4.4	73	51	9.3	.00	2.0	.03	.00	.69
CFSM	.00	.00	.07	2.57	4.71	3.00	1.54	.08	1.01	.27	.44	.67
IN.	.00	.00	.09	2.97	5.08	3.47	1.71	.10	1.13	.31	.51	.74

ALTAMAHA RIVER BASIN

02216180 TURNPIKE CREEK NEAR MCRAE, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1983 - 1992, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	9.01	20.4	50.2	139	119	136	54.5	26.4	13.6	17.0	10.7	6.74
MAX	49.1	149	141	329	232	291	140	141	50.4	66.9	38.0	32.8
(WY)	1986	1986	1986	1987	1992	1983	1983	1984	1989	1989	1991	1992
MIN	.000	.000	.000	.000	10.2	16.1	5.64	.000	.000	.000	.000	.000
(WY) 1984-85,87-88,92		1985,92	1985	1985	1985	1985	1985	1986	1985,90	1986,90	1986,90	1984,90

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1983 - 1992	
ANNUAL TOTAL	25310.21		21300.24			
ANNUAL MEAN	69.3		58.2		47.3	
HIGHEST ANNUAL MEAN					77.6	
LOWEST ANNUAL MEAN					4.71	
HIGHEST DAILY MEAN	1770	Mar 4	663	Feb 18	1800	Mar 7 1983
LOWEST DAILY MEAN	.00	a	.00	a	.00	b
ANNUAL SEVEN-DAY MINIMUM	.00	c	.00	c	.00	c
INSTANTANEOUS PEAK FLOW			760	Feb 18	2200	Nov 22 1985
INSTANTANEOUS PEAK STAGE			8.52	Feb 18	10.56	Nov 22 1985
ANNUAL RUNOFF (CFSM)	1.41		1.18		.96	
ANNUAL RUNOFF (INCHES)	19.13		16.10		13.06	
10 PERCENT EXCEEDS	170		191		146	
50 PERCENT EXCEEDS	18		7.1		5.3	
90 PERCENT EXCEEDS	.00		.00		.00	

a No flow on many days.

b No flow at times most years.

c Many seven-day periods with no flow.

ALTAMAHA RIVER BASIN

02217475 MIDDLE OCONEE RIVER NEAR ARCADE, GA.

LOCATION.--Lat 34°01'54", long 83°33'48", Jackson-Barrow County line, Hydrologic Unit 03070101, on downstream side of bridge on State Highway 82, 1.7 mi downstream from Mulberry River, 3.2 mi upstream from Redstone Creek, and 3.2 mi south of Arcade.

DRAINAGE AREA.--340 mi².

PERIOD OF RECORD.--March 1987 to current year.

GAGE.--Water-stage recorder. Datum of gage is 656.52 ft above National Geodetic Vertical Datum of 1929 (leveling by global positioning system equipment).

REMARKS.-- Records good.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 3,500 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Aug. 22	1700	*2,600	*11.02

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	160	174	198	295	351	553	509	247	176	254	130	301
2	161	253	204	273	308	497	470	238	170	925	125	274
3	171	206	308	969	284	456	434	227	205	1760	116	261
4	169	177	582	896	278	431	415	217	651	665	111	241
5	166	170	327	545	277	409	397	210	513	442	107	520
6	161	170	257	437	277	661	385	221	301	444	103	553
7	151	170	245	376	263	1430	397	256	229	336	105	399
8	149	170	224	340	251	861	395	320	224	271	113	396
9	150	172	218	344	236	638	393	367	524	227	115	322
10	153	187	245	332	237	634	379	280	400	204	118	277
11	154	195	236	294	239	744	365	243	293	188	106	321
12	152	179	211	275	230	588	359	226	466	175	100	258
13	149	173	214	272	235	527	388	222	444	166	233	232
14	148	172	228	283	244	482	354	270	416	170	602	219
15	155	174	274	262	418	452	344	241	383	167	270	205
16	167	170	227	238	802	424	362	215	304	170	255	194
17	164	172	207	227	529	409	338	206	258	166	394	191
18	164	174	202	229	658	414	323	195	232	188	809	190
19	159	170	202	248	548	723	319	192	246	178	431	207
20	155	180	194	243	467	696	323	236	234	162	270	209
21	152	198	194	229	409	541	413	217	199	151	329	206
22	155	539	199	231	378	493	434	191	181	158	2170	266
23	159	450	202	953	650	930	342	180	171	289	2260	470
24	164	283	243	1040	863	747	308	173	168	212	1020	555
25	163	224	240	589	851	600	294	167	160	181	639	526
26	164	208	205	469	2290	660	272	162	177	162	485	361
27	164	199	198	405	1300	586	265	163	188	148	403	988
28	161	195	346	393	804	516	268	160	177	147	784	1740
29	160	194	725	378	646	486	258	169	167	142	589	898
30	158	195	452	349	---	494	253	193	163	130	413	603
31	159	---	345	334	---	586	---	195	---	125	344	---
TOTAL	4917	6293	8352	12748	15323	18668	10756	6799	8420	9103	14049	12383
MEAN	159	210	269	411	528	602	359	219	281	294	453	413
MAX	171	539	725	1040	2290	1430	509	367	651	1760	2260	1740
MIN	148	170	194	227	230	409	253	160	160	125	100	190
CFSM	.47	.62	.79	1.21	1.55	1.77	1.05	.65	.83	.86	1.33	1.21
IN.	.54	.69	.91	1.39	1.68	2.04	1.18	.74	.92	1.00	1.54	1.35

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.--398 mi².

PERIOD OF RECORD.--October 1901 to September 1902, January 1929 to March 1932, May 1937 to current year.

GAGE.--Water-stage recorder. Datum of gage is 555.66 ft above National Geodetic Vertical Datum of 1929. 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)
Sept. 28	1100	*3,390	*8.23

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	181	191	211	337	377	636	566	287	197	233	139	366
2	181	237	226	310	357	569	503	272	186	619	162	365
3	182	263	279	715	327	518	467	251	218	2310	134	318
4	195	215	554	1250	319	489	445	247	512	843	139	297
5	181	202	382	622	317	469	426	242	604	493	118	392
6	182	180	291	478	315	621	408	237	331	437	116	677
7	174	203	271	416	308	1500	416	265	263	378	125	460
8	165	188	260	375	293	1170	414	296	234	305	132	403
9	158	210	257	369	286	750	406	368	409	277	155	368
10	160	208	255	366	286	685	398	317	436	248	132	328
11	167	251	270	341	285	832	387	268	311	243	117	337
12	173	221	260	314	267	694	370	239	366	204	118	320
13	154	209	265	291	283	606	385	254	445	191	212	292
14	164	198	260	329	281	555	378	243	403	194	533	275
15	164	220	284	305	377	517	354	273	382	174	352	265
16	184	196	275	284	860	482	368	236	319	200	260	246
17	180	211	261	271	615	463	349	216	281	173	410	252
18	166	206	248	272	679	460	339	207	254	202	684	256
19	185	207	241	292	618	646	333	240	252	216	503	268
20	172	222	239	287	512	812	337	252	262	181	305	279
21	164	229	223	272	450	613	392	239	230	164	335	265
22	160	398	240	266	421	549	446	225	212	165	2070	273
23	164	511	258	772	545	917	370	198	193	296	3010	444
24	181	316	270	1460	1040	945	328	210	198	306	1450	836
25	176	256	290	710	801	695	312	186	167	230	715	623
26	171	224	265	527	2420	704	297	171	174	212	507	430
27	167	220	244	452	1910	672	293	166	226	167	435	1350
28	174	215	353	425	982	576	292	173	200	165	631	2830
29	175	222	756	417	748	531	282	197	183	174	684	1330
30	162	211	534	383	---	518	279	208	196	141	454	721
31	160	---	395	369	---	603	---	228	---	173	388	---
TOTAL	5322	7040	9417	14277	17279	20797	11340	7411	8644	10314	15525	15866
MEAN	172	235	304	461	596	671	378	239	288	333	501	529
MAX	195	511	756	1460	2420	1500	566	368	604	2310	3010	2830
MIN	154	180	211	266	267	460	279	166	167	141	116	246
CFSM	.43	.59	.76	1.16	1.50	1.69	.95	.60	.72	.84	1.26	1.33
IN.	.50	.66	.88	1.33	1.62	1.94	1.06	.69	.81	.96	1.45	1.48

ALTAMAHA RIVER BASIN

02217500 MIDDLE OCONEE RIVER NEAR ATHENS, GA.

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1902 - 1992, BY WATER YEAR (WY)

MEAN	290	383	535	715	810	935	741	548	404	340	299	246
MAX	1174	2002	1709	1624	2365	2779	2458	1475	1611	778	966	978
(WY)	1930	1949	1984	1972	1902	1929	1964	1976	1963	1938	1939	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 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1902 - 1992	
ANNUAL TOTAL	178542		143232		513	
ANNUAL MEAN	489		391		977	
HIGHEST ANNUAL MEAN					202	
LOWEST ANNUAL MEAN					19600	
HIGHEST DAILY MEAN	3800	Mar 30	3010	Aug 23	19600	Feb 28 1902
LOWEST DAILY MEAN	140	Sep 19	116	Aug 6	8.2	Aug 8 1986
ANNUAL SEVEN-DAY MINIMUM	163	Oct 9	128	Aug 5	12	Jul 17 1986
INSTANTANEOUS PEAK FLOW			3390	Sep 28	a19600	Feb 28 1902
INSTANTANEOUS PEAK STAGE			8.23	Sep 28	b25.50	Feb 28 1902
ANNUAL RUNOFF (CFSM)	1.23		.98		1.29	
ANNUAL RUNOFF (INCHES)	16.69		13.39		17.53	
10 PERCENT EXCEEDS	888		684		900	
50 PERCENT EXCEEDS	391		285		350	
90 PERCENT EXCEEDS	185		173		147	

a Observed.

b At site and datum then in use.

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.

PERIOD OF RECORD.-July 1974 to current year.

REMARKS.-Laboratory chemical analyses 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 1991 TO SEPTEMBER 1992

DATE	TIME	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)
OCT										
16...	1000	140	68	66	7.4	7.2	13.5	18.5	8.6	85
NOV										
21...	1330	170	64	65	7.1	7.1	15.0	26.0	9.9	100
DEC										
19...	1345	180	62	63	7.5	7.1	5.0	9.0	12.0	94
JAN										
22...	1330	210	57	62	7.1	7.2	6.0	14.5	12.0	98
FEB										
18...	1000	520	57	53	7.2	6.7	9.0	11.0	10.0	88
MAR										
18...	0830	400	60	57	-	7.0	11.0	14.0	10.5	97
APR										
22...	1230	400	66	61	7.2	7.0	18.5	27.5	7.9	86
MAY										
13...	1230	180	65	60	7.4	6.9	19.0	24.5	7.7	85
JUN										
16...	0845	290	73	61	7.2	7.0	21.0	26.0	7.0	80
JUL										
23...	1215	190	75	62	7.2	7.1	24.0	30.5	6.7	81
AUG										
19...	1230	320	86	56	7.5	7.0	22.0	32.5	7.0	81
SEP										
16...	1000	170	91	67	7.1	7.1	20.0	27.0	7.2	80

DATE	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LITY WAT WH TOT 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)
OCT									
16...	11	1.5	170	25	8	0.250	0.080	0.050	2.0
NOV									
21...	11	1.1	330	24	9	0.310	0.060	0.050	2.9
DEC									
19...	10	-	230	23	5	0.450	0.040	0.110	2.1
JAN									
22...	9.0	0.1	230	20	5	0.570	0.040	0.070	2.5
FEB									
18...	36	0.9	790	17	28	0.580	0.050	0.100	4.3
MAR									
18...	18	0.5	110	20	15	0.570	<0.030	0.090	1.7
APR									
22...	28	0.7	490	22	29	0.400	0.080	0.150	3.1
MAY									
13...	25	1.4	170	22	25	0.460	0.040	0.080	2.0
JUN									
16...	39	0.6	2100	22	44	0.450	0.060	0.100	2.0
JUL									
23...	37	1.7	2300	24	34	0.360	<0.030	0.080	2.0
AUG									
19...	110	1.1	2300	19	77	0.340	<0.030	0.110	4.0
SEP									
16...	15	1.1	-	28	15	0.350	0.250	0.110	3.0

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 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-discharge records for water years 1901-02 are published in records of the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	TIME	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)
OCT 16...	0900	500	97	91	7.3	7.2	13.5	14.5	8.6	84
NOV 21...	1220	570	82	84	7.2	7.1	15.5	25.5	9.6	98
DEC 19...	1230	640	73	78	7.4	7.2	5.0	8.5	12.5	97
JAN 22...	1230	660	63	77	7.3	7.3	6.0	12.5	11.6	95
FEB 18...	0900	1600	63	58	7.3	6.8	9.5	11.5	10.6	94
MAR 18...	0730	740	70	67	--	7.1	11.0	10.0	10.4	96
APR 22...	1330	840	76	66	7.2	7.1	20.0	28.0	8.7	97
MAY 13...	1130	550	73	73	7.3	6.8	19.0	21.5	7.6	84
JUN 16...	0800	740	79	70	7.4	7.1	21.0	24.0	7.4	84
JUL 23...	1130	500	95	85	7.2	7.2	25.0	30.5	7.0	86
AUG 19...	1330	1050	76	59	7.1	6.9	23.0	33.0	7.5	89
SEP 16...	1200	490	108	83	7.1	7.3	21.0	28.0	7.7	87

DATE	TUR- BID- ITY (NTU)	OXYGEN DEMAND, CHEM- ICAL (LOW LEVEL) (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LITY WAT WH TOT FET LAB MG/L AS CACO3	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L)
OCT 16...	9.0	--	1.6	360	21	6
NOV 21...	10	--	1.4	2200	20	8
DEC 19...	12	--	--	490	20	7
JAN 22...	10	--	0.8	460	21	7
FEB 18...	58	--	1.6	2800	16	42
MAR 18...	20	--	0.8	640	18	17
APR 22...	24	--	0.5	330	21	26
MAY 13...	21	--	1.1	230	18	21
JUN 16...	33	--	0.7	--	19	37
JUL 23...	25	1	1.9	790	21	24
AUG 19...	130	27	1.9	1100	14	119
SEP 16...	14	10	0.9	--	27	--

ALTAMAHA RIVER BASIN

02218000 OCONEE RIVER NEAR WATKINSVILLE, GA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	NITRO- GEN, NO ₂ +NO ₃ TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 16...	1.27	0.110	-	-	-	0.140	3.0
NOV 21...	1.07	0.220	-	-	-	0.140	2.5
DEC 19...	1.08	0.100	-	-	-	0.160	1.7
JAN 22...	1.11	0.490	-	-	-	0.120	3.2
FEB 18...	0.850	0.110	-	-	-	0.120	4.9
MAR 18...	0.960	0.150	-	-	-	0.130	1.8
APR 22...	0.800	0.100	-	-	-	0.140	2.6
MAY 13...	1.20	0.080	-	-	-	0.140	2.0
JUN 16...	1.18	0.050	-	-	-	0.130	2.0
JUL 23...	1.37	0.040	0.16	0.20	1.6	0.140	2.0
AUG 19...	0.730	<0.030	-	0.20	0.93	0.150	4.0
SEP 16...	1.04	0.050	0.25	0.30	1.3	0.150	2.0

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

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 National Geodetic Vertical Datum of 1929. 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. 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)
Feb. 27	1100	4,650	12.07	Sept. 29	0700	*6,450	*14.22
Aug. 23	2400	6,310	14.11				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	570	544	626	922	890	1600	1390	764	619	585	446	930
2	558	670	645	832	875	1390	1270	758	591	1400	398	1040
3	561	697	764	1120	835	1280	1180	732	606	2860	367	952
4	583	661	1080	1920	807	1190	1120	709	1060	2630	355	852
5	561	588	1140	1670	802	1150	1080	679	1330	1480	324	802
6	564	563	821	1310	804	1390	1050	680	1110	1070	300	1280
7	542	579	679	1050	783	2200	1060	726	823	986	307	1640
8	520	560	648	925	760	2900	1080	888	713	809	337	1400
9	514	574	629	890	733	2710	1050	983	1060	694	336	1100
10	520	642	635	878	720	1930	1030	952	1480	634	330	947
11	524	685	634	834	717	1840	1000	833	1100	584	331	892
12	522	640	619	787	715	1730	1050	749	1050	548	321	867
13	513	611	592	773	705	1510	980	720	1100	495	497	786
14	513	594	609	788	723	1350	978	697	1140	482	784	741
15	512	587	620	761	874	1260	943	728	1070	467	994	708
16	535	580	641	730	1540	1190	932	714	971	463	793	681
17	539	593	599	696	1700	1130	924	666	849	451	1220	644
18	539	582	579	683	1920	1110	893	653	770	481	1790	637
19	532	589	554	776	1650	1180	872	656	732	583	1430	657
20	524	581	537	786	1390	1560	882	1020	715	536	966	724
21	514	609	535	741	1190	1580	1060	793	691	478	868	709
22	513	676	518	720	1080	1350	1180	712	636	441	1880	712
23	522	1020	554	1330	1230	1690	1090	631	587	554	5050	1040
24	529	982	620	2480	1820	1990	951	607	576	1070	5450	1530
25	541	756	623	2040	2050	1780	903	578	538	711	3950	1930
26	546	672	631	1550	3300	1670	861	559	534	564	1980	1430
27	538	627	594	1190	4470	1580	824	549	649	511	1340	1250
28	551	608	720	1090	3430	1440	796	553	633	486	1320	4160
29	540	611	1530	1040	2210	1310	789	542	612	433	1540	5910
30	534	602	1490	992	---	1290	774	601	598	430	1400	3460
31	531	---	1150	925	---	1390	---	635	---	406	1100	---
TOTAL	16605	19283	22616	33229	40723	48670	29992	22067	24943	24322	38504	40411
MEAN	536	643	730	1072	1404	1570	1000	712	831	785	1242	1347
MAX	583	1020	1530	2480	4470	2900	1390	1020	1480	2860	5450	5910
MIN	512	544	518	683	705	1110	774	542	534	406	300	637
CFSM	.57	.68	.78	1.14	1.49	1.67	1.06	.76	.88	.83	1.32	1.43
IN.	.66	.76	.90	1.32	1.61	1.93	1.19	.87	.99	.96	1.52	1.60

ALTAMAHA RIVER BASIN

02218300 OCONEE RIVER NEAR PENFIELD, GA--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1977 - 1992, BY WATER YEAR (WY)

MEAN	817	925	1156	1678	1941	1959	1602	1116	852	734	644	550
MAX	3571	3272	4029	3261	4230	4798	3897	2729	1695	1635	1828	1347
(WY)	1990	1978	1984	1978	1990	1980	1979	1980	1991	1989	1984	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 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1977 - 1992	
ANNUAL TOTAL	459063		361365		1160	
ANNUAL MEAN	1258		987		1818	
HIGHEST ANNUAL MEAN					498	
LOWEST ANNUAL MEAN					21900	
HIGHEST DAILY MEAN	7410	Mar 30	5910	Sep 29	33	Oct 2 1989
LOWEST DAILY MEAN	512	Oct 15	300	Aug 6	49	Aug 26 1986
ANNUAL SEVEN-DAY MINIMUM	517	Oct 9	323	Aug 6	a31700	Aug 5 1986
INSTANTANEOUS PEAK FLOW			6450	Sep 29	25.92	Oct 1 1989
INSTANTANEOUS PEAK STAGE			14.22	Sep 29	1.23	Oct 1 1989
ANNUAL RUNOFF (CFSM)	1.34		1.05		16.77	
ANNUAL RUNOFF (INCHES)	18.17		14.30		2020	
10 PERCENT EXCEEDS	2180		1610		785	
50 PERCENT EXCEEDS	1060		767		295	
90 PERCENT EXCEEDS	559		522			

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

ALTAMAHA RIVER BASIN

02219000 APALACHEE RIVER NEAR BOSTWICK, GA.

LOCATION.--Lat 33°47'17", long 83°28'27", Morgan-Oconee County line, Hydrologic Unit 03070101, on left bank 1,000 ft upstream from bridge on Price Mill Road, 3.0 mi southwest of Bishop, 4.0 mi upstream from Jacks Creek, and 4.0 mi northeast of Bostwick.
DRAINAGE AREA.--176 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--July 1944 to December 1949, April 1977 to current year.

REVISED RECORDS.--WDR GA-91-1: 1946(M), 1949(M)

GAGE.--Water-stage recorder. Datum of gage is 544.14 ft above National Geodetic Vertical Datum of 1929 (leveling by global positioning system equipment).

REMARKS.--Records good, except those for periods of estimated daily discharges, which are fair. 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)
Sept. 28	1200	*2,310	*4.55	No other peak greater than base discharge.			

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	84	88	96	130	150	230	213	109	70	96	58	142
2	86	117	102	133	136	210	189	85	84	449	56	160
3	87	116	119	220	123	198	176	103	90	784	50	126
4	85	96	183	370	132	186	163	105	246	592	50	135
5	83	89	172	312	129	178	148	95	210	290	49	109
6	77	89	127	201	131	232	147	101	142	198	46	332
7	74	116	122	169	132	499	164	74	132	158	43	384
8	72	98	85	153	125	366	169	143	96	137	43	255
9	72	80	110	143	114	262	146	149	80	119	43	199
10	73	96	124	140	122	247	164	124	153	106	44	153
11	74	105	123	145	97	302	129	114	116	96	44	126
12	73	94	113	122	125	265	154	92	172	88	44	142
13	72	90	108	128	115	225	154	86	202	81	64	129
14	71	96	110	134	127	199	152	102	173	76	126	142
15	73	76	111	153	161	183	132	99	151	74	114	110
16	77	101	108	109	292	177	136	92	133	74	153	82
17	78	68	103	108	270	173	136	86	120	72	277	118
18	76	108	96	113	357	172	127	92	108	73	486	94
19	74	82	93	138	307	179	132	92	101	76	445	107
20	74	91	98	140	233	212	119	98	96	73	242	102
21	72	82	89	126	201	195	161	103	88	68	146	106
22	74	114	103	e130	160	179	152	100	81	69	716	106
23	77	186	90	e230	231	289	143	63	77	74	1130	155
24	79	146	111	e450	320	330	132	90	75	78	809	268
25	80	104	104	e370	311	265	116	67	72	78	424	281
26	80	97	105	e270	726	262	112	86	77	71	265	211
27	82	92	94	e190	617	239	125	58	138	73	179	688
28	82	95	125	172	402	202	107	62	107	96	211	1830
29	80	95	276	164	282	188	104	69	92	64	207	1240
30	78	100	240	166	---	187	99	100	86	59	191	604
31	78	---	180	145	---	208	---	83	---	55	134	---
TOTAL	2397	3007	3820	5674	6628	7239	4301	2922	3568	4497	6889	8636
MEAN	77.3	100	123	183	229	234	143	94.3	119	145	222	288
MAX	87	186	276	450	726	499	213	149	246	784	1130	1830
MIN	71	68	85	108	97	172	99	58	70	55	43	82
CFSM	.44	.57	.70	1.04	1.30	1.33	.81	.54	.68	.82	1.26	1.64
IN.	.51	.64	.81	1.20	1.40	1.53	.91	.62	.75	.95	1.46	1.83

e Estimated

ALTAMAHA RIVER BASIN

02219000 APALACHEE RIVER NEAR BOSTWICK, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1944 - 1992, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	134	215	227	347	388	368	322	212	146	140	129	114
MAX	528	969	647	799	793	816	734	536	274	390	329	288
(WY)	1990	1949	1984	1946	1990	1980	1979	1980	1949	1989	1984	1992
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 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1944 - 1992	
ANNUAL TOTAL	74825		59578		229	
ANNUAL MEAN	205		163		367	
HIGHEST ANNUAL MEAN					1949	
LOWEST ANNUAL MEAN					94.3	
HIGHEST DAILY MEAN	1530	Mar 30	1830	Sep 28	6700	Jan 7 1946
LOWEST DAILY MEAN	68	Nov 17	43	Aug 7-9	7.5	Aug 10 1986
ANNUAL SEVEN-DAY MINIMUM	72	Oct 8	44	Aug 6	7.9	Aug 5 1986
INSTANTANEOUS PEAK FLOW			2310	Sep 28	11200	Jan 6 1946
INSTANTANEOUS PEAK STAGE			4.55	Sep 28	8.90	Jan 6 1946
ANNUAL RUNOFF (CFSM)			1.16		.92	1.30
ANNUAL RUNOFF (INCHES)	15.82		12.59		17.71	
10 PERCENT EXCEEDS	327		276		382	
50 PERCENT EXCEEDS	174		119		147	
90 PERCENT EXCEEDS	84		73		61	

ALTAMAHA RIVER BASIN

02219000 APALACHEE RIVER NEAR BOSTWICK, GA.--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--July 1990 to current year.

REMARKS.--Laboratory analyses 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 by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	TIME	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)
NOV 21...	1145	78	55	57	7.0	7.1	15.0	25.5	9.4	95
JAN 22...	1145	172	47	51	7.1	7.2	5.5	12.0	12.2	98
MAR 18...	0700	172	50	50	—	6.9	11.0	9.5	12.2	113
MAY 13...	1030	68	55	52	7.1	6.7	18.0	21.0	7.6	82
JUL 23...	1100	75	68	56	7.0	7.0	24.0	30.0	6.4	77
SEP 16...	1230	87	—	54	7.0	7.1	21.0	28.0	7.0	—

DATE	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LITY WAT WH TOT FET LAB MG/L AS CACO3	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)
NOV 21...	9.0	0.9	130	18	0.500	0.030	0.050	2.1
JAN 22...	7.0	0.1	230	22	0.650	0.030	0.060	2.1
MAR 18...	15	0.7	80	15	0.690	0.040	0.080	2.4
MAY 13...	28	0.9	210	17	0.560	0.050	0.080	1.0
JUL 23...	26	2.1	1500	18	0.460	<0.030	0.090	3.0
SEP 16...	13	1.0	—	20	0.370	0.040	0.120	3.0

ALTAMAHA RIVER BASIN

02220900 LITTLE RIVER NEAR EATONTON, GA.

LOCATION.--Lat 33°18'50", long 83°26'14", Putnam County, Hydrologic Unit 03070101, on downstream side of bridge on State Highway 16, 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 National Geodetic Vertical Datum of 1929 (leveling by global positioning system equipment). Feb. 19, 1970 to Aug. 1, 1977, crest-stage gage and Aug. 2, 1977 to Aug. 25, 1987, water-stage recorder at same site and datum 4.00 ft higher.

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)
Aug. 23	1400	*5,400	*19.98	No other peak greater than base discharge.			

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	60	55	78	170	190	289	245	115	71	131	89	145
2	59	65	94	153	176	257	211	109	64	244	67	147
3	60	76	112	300	167	239	194	104	69	310	62	150
4	60	69	256	435	160	227	184	98	153	248	54	163
5	59	63	201	287	160	216	179	92	139	172	49	202
6	57	62	130	213	181	343	170	88	99	128	46	224
7	53	62	107	179	178	504	187	91	81	104	45	228
8	51	64	98	159	162	438	247	103	72	89	49	238
9	50	65	92	157	150	327	215	125	140	80	54	228
10	51	77	92	161	143	308	189	117	224	72	48	175
11	52	97	91	148	139	336	181	103	191	67	45	149
12	52	88	87	138	137	289	183	94	434	65	43	135
13	50	76	84	231	137	250	174	91	781	59	456	127
14	48	72	87	374	138	225	163	96	462	55	497	120
15	49	72	108	263	574	210	156	103	344	60	277	111
16	52	70	101	202	817	200	151	92	248	60	149	105
17	55	71	87	174	755	197	146	87	181	57	109	102
18	54	70	82	163	1180	190	142	82	148	60	147	101
19	51	71	79	207	933	214	138	78	127	104	137	102
20	50	73	76	304	529	234	136	96	112	129	109	99
21	50	77	75	284	388	196	163	89	98	201	94	96
22	50	81	77	251	329	180	210	80	87	137	367	94
23	51	94	81	495	404	235	182	74	77	197	4770	209
24	53	93	90	728	578	306	148	69	75	141	2560	190
25	55	81	97	521	459	241	136	66	73	110	1120	167
26	55	75	91	330	594	292	129	63	73	88	433	131
27	56	72	87	267	523	309	119	62	122	79	318	127
28	55	70	163	251	404	248	116	63	205	75	350	444
29	55	70	420	241	335	220	115	63	219	69	252	883
30	54	72	329	218	---	220	113	68	149	62	193	354
31	54	---	213	203	---	272	---	74	---	82	163	---
TOTAL	1661	2203	3865	8207	11020	8212	5022	2735	5318	3535	13152	5746
MEAN	53.6	73.4	125	265	380	265	167	88.2	177	114	424	192
MAX	60	97	420	728	1180	504	247	125	781	310	4770	883
MIN	48	55	75	138	137	180	113	62	64	55	43	94
CFSM	.20	.28	.48	1.01	1.45	1.01	.64	.34	.68	.44	1.62	.73
IN.	.24	.31	.55	1.17	1.56	1.17	.71	.39	.76	.50	1.87	.82

ALTAMAHA RIVER BASIN

02220900 LITTLE RIVER NEAR EATONTON, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1977 - 1992, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	100	105	193	330	501	424	351	220	121	87.2	123	62.0
MAX	833	275	634	838	1074	1017	941	604	273	236	473	192
(WY)	1990	1984	1984	1978	1979	1990	1983	1991	1991	1991	1984	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 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1977 - 1992	
ANNUAL TOTAL	97279		70676			
ANNUAL MEAN	267		193		216	
HIGHEST ANNUAL MEAN					359	
LOWEST ANNUAL MEAN					81.9	
HIGHEST DAILY MEAN	2690		4770		11400	
LOWEST DAILY MEAN	48		43		a1.9	
ANNUAL SEVEN-DAY MINIMUM	50		47		3.4	
INSTANTANEOUS PEAK FLOW			5400		b12600	
INSTANTANEOUS PEAK STAGE			19.98		28.78	
ANNUAL RUNOFF (CFSM)	1.02		.74		.83	
ANNUAL RUNOFF (INCHES)	13.81		10.03		11.22	
10 PERCENT EXCEEDS	560		343		409	
50 PERCENT EXCEEDS	154		129		107	
90 PERCENT EXCEEDS	59		57		28	

a May have been less during 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 current year.

REMARKS.--Laboratory analyses 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 by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	TIME	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)
OCT 08...	0900	49	90	85	7.2	7.3	14.0	11.0	9.4	92
NOV 13...	0845	79	88	90	7.7	7.3	7.0	5.0	13.2	110
DEC 11...	0905	205	85	83	7.6	7.4	10.0	7.5	10.4	93
JAN 16...	0940	—	76	76	6.9	7.4	5.5	2.5	16.2	129
FEB 12...	0930	138	75	75	7.7	7.2	7.0	5.0	12.0	99
MAR 11...	0850	335	75	70	7.4	7.3	13.0	4.0	10.4	100
APR 15...	0930	156	85	73	7.5	7.4	16.0	18.0	9.2	94
MAY 20...	0900	94	84	78	—	7.2	21.0	19.0	7.9	89
JUN 10...	1320	217	94	70	7.4	7.4	23.5	31.5	7.8	93
JUL 15...	0840	52	95	93	7.8	7.3	26.0	24.0	6.6	82
AUG 12...	0815	43	105	96	—	7.4	24.0	24.0	5.6	67
SEP 09...	0845	241	85	74	7.5	7.2	23.0	23.0	7.7	91

DATE	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LITY WAT WH TOT FET LAB MG/L AS CACO3	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)
OCT 08...	13	—	80	33	0.270	<0.030	0.130	80
NOV 13...	6.0	0.7	130	28	0.260	<0.030	0.170	3.2
DEC 11...	9.0	0.7	490	30	0.320	<0.030	0.110	2.2
JAN 16...	20	2.0	230	25	0.400	0.120	0.240	2.8
FEB 12...	8.0	0.9	40	27	0.310	<0.030	0.130	1.8
MAR 11...	30	0.7	3300	25	0.270	<0.030	0.140	2.9
APR 15...	16	0.8	50	27	0.270	<0.030	0.090	2.3
MAY 20...	29	3.0	130	29	0.480	0.040	0.160	2.0
JUN 10...	66	2.2	3100	26	0.480	<0.030	0.140	7.0
JUL 15...	27	0.6	2200	34	0.490	<0.030	0.230	3.0
AUG 12...	20	0.6	220	38	0.370	<0.030	0.130	3.0
SEP 09...	31	0.4	1300	27	0.260	0.120	0.100	4.0

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 375.09 ft above National Geodetic Vertical Datum of 1929 (leveling by global positioning system equipment).

REMARKS.--Records good, except those for the period of Dec. 30-Jan. 8, which are fair. 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)
Aug. 23	0745	*1,970	*4.91	No other peak greater than base discharge.			

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	33	32	42	e110	119	186	154	80	47	110	108	85
2	33	37	49	e90	111	164	138	76	41	226	73	80
3	34	41	60	e210	105	153	129	73	44	240	58	82
4	35	37	131	e320	103	142	126	68	93	189	51	113
5	33	35	78	e190	103	135	117	64	66	129	46	124
6	32	36	56	e130	129	239	112	63	49	104	43	152
7	30	37	51	e92	123	335	134	70	43	94	44	184
8	28	38	48	e88	109	227	188	79	39	80	47	176
9	28	38	47	89	100	182	152	85	122	70	46	131
10	30	42	47	92	96	183	137	77	246	62	48	105
11	30	48	46	84	94	237	132	68	120	57	44	90
12	30	43	44	79	97	183	150	64	295	52	39	81
13	29	39	44	163	105	160	135	64	397	49	368	76
14	27	38	46	359	99	144	123	78	239	45	982	72
15	29	38	52	201	399	136	116	71	235	46	324	66
16	33	37	48	141	800	129	112	62	154	71	148	62
17	34	37	45	117	576	121	106	57	111	62	108	61
18	31	38	44	108	1050	121	100	54	92	64	92	60
19	30	38	43	139	793	145	98	51	81	177	82	59
20	29	38	41	199	382	150	99	72	73	97	76	56
21	29	39	42	175	257	127	138	86	65	66	72	54
22	29	41	44	161	204	117	167	60	57	233	663	53
23	30	50	45	302	279	141	123	52	53	206	1410	52
24	31	45	50	537	501	164	105	48	51	148	1700	55
25	33	40	51	290	344	135	99	45	48	102	595	77
26	33	38	46	196	455	203	90	43	46	87	215	69
27	32	39	45	161	450	197	84	43	219	140	172	70
28	31	39	84	155	282	161	85	46	169	123	220	323
29	31	39	230	152	224	144	82	45	301	96	140	556
30	30	40	e170	138	---	149	81	50	120	72	109	224
31	30	---	e130	129	---	182	---	53	---	70	94	---
TOTAL	957	1177	1999	5397	8489	5192	3612	1947	3716	3376	8217	3448
MEAN	30.9	39.2	64.5	174	293	167	120	62.8	124	109	265	115
MAX	35	50	230	537	1050	335	188	86	397	249	1700	556
MIN	27	32	41	79	94	117	81	43	39	45	39	52
CFSM	.16	.21	.34	.92	1.54	.88	.63	.33	.65	.57	1.40	.60
IN.	.19	.23	.39	1.06	1.66	1.02	.71	.38	.73	.66	1.61	.68

e Estimated

ALTAMAHA RIVER BASIN

02221525 MURDER CREEK BELOW EATONTON, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1977 - 1992, BY WATER YEAR (WY)

MEAN	56.0	70.6	128	224	341	299	263	149	77.1	66.7	84.0	40.6
MAX	322	190	386	559	758	783	674	359	154	170	468	115
(WY)	1990	1984	1984	1978	1979	1980	1983	1978	1989	1984	1984	1992
MIN	11.6	26.9	43.7	56.2	81.5	119	70.5	48.2	21.9	10.9	8.53	15.7
(WY)	1988	1982	1988	1989	1989	1989	1986	1986	1988	1986	1988	1987

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1977 - 1992	
ANNUAL TOTAL	56712		47527		149	
ANNUAL MEAN	155		130		264	
HIGHEST ANNUAL MEAN					68.1	
LOWEST ANNUAL MEAN					1984	
HIGHEST DAILY MEAN	1760	May 7	1700	Aug 24	6640	Mar 18 1990
LOWEST DAILY MEAN	27	Oct 14	27	Oct 14	2.1	Aug 6 1986
ANNUAL SEVEN-DAY MINIMUM	29	Oct 8	29	Oct 8	2.7	Aug 2 1986
INSTANTANEOUS PEAK FLOW			1970	Aug 23	9630	Mar 18 1990
INSTANTANEOUS PEAK STAGE			4.91	Aug 23	13.13	Mar 18 1990
ANNUAL RUNOFF (CFSM)	.82		.68		.79	
ANNUAL RUNOFF (INCHES)	11.10		9.31		10.67	
10 PERCENT EXCEEDS	277		236		260	
50 PERCENT EXCEEDS	86		84		75	
90 PERCENT EXCEEDS	33		37		25	

ALTAMAHA RIVER BASIN

02221525 MURDER CREEK BELOW EATONTON, GA.--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--July 1990 to current year.

REMARKS.--Laboratory analyses 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 by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	TIME	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)
NOV 13...	0915	38	81	84	7.6	7.3	7.5	11.5	12.8	108
JAN 16...	1020	141	70	71	6.9	6.9	6.0	3.0	12.8	103
MAR 11...	0930	250	70	68	7.4	7.2	12.0	3.0	11.6	109
MAY 20...	0930	52	84	77	—	7.2	21.0	20.0	7.4	83
JUL 15...	0915	43	100	91	7.7	7.3	26.0	24.5	5.9	74
SEP 09...	0915	136	85	71	7.4	7.1	22.0	24.0	7.2	83

DATE	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LITY WAT WH TOT FET LAB MG/L AS CACO3	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)
NOV 13...	7.0	0.5	170	31	0.080	0.040	0.160	3.0
JAN 16...	31	1.7	330	22	0.460	0.090	0.190	3.8
MAR 11...	44	0.7	1300	24	0.240	<0.030	0.160	3.4
MAY 20...	35	3.5	170	30	0.370	0.030	0.150	2.0
JUL 15...	54	1.2	280	35	0.300	0.080	0.230	3.0
SEP 09...	37	0.3	790	28	0.190	0.190	0.090	4.0

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 recorder. Datum of gage is 230.84 ft above National Geodetic Vertical Datum of 1929. Prior to May 23, 1906, Jan. 1 to Oct. 5, 1909, Jan. 1, 1932, to Sept. 30, 1939, nonrecording gages at site 0.5 mi downstream, and Oct. 1, 1939, to Mar. 8, 1966, water-stage recorder, 0.3 mi downstream, all at present datum. May 23, 1906, to Dec. 31, 1908, and Oct. 6, 1909, to Dec. 31, 1931, nonrecording gages at Fraleys Ferry, 6.8 mi upstream at different datum.

REMARKS.--Records good, except for those for the period Aug. 22-25, which are fair. 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.--89 years, 3,263 ft³/s, 15.02 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 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	428	430	495	532	539	4740	3380	1250	610	500	454	1780
2	439	431	2390	4050	514	4450	3870	1110	472	3900	452	2720
3	434	989	1900	4300	3850	4510	3950	990	481	4780	992	2030
4	401	1060	2430	3680	1700	2200	1270	1040	3610	5870	1020	1290
5	401	1060	2650	1570	2300	1480	913	1320	2480	4640	450	2860
6	400	1070	2680	2880	2880	4970	2040	1590	539	3440	827	4470
7	398	1050	1520	3090	1660	5410	2900	2120	476	2030	821	4600
8	397	1030	1120	1210	507	5580	1370	1080	1760	3040	465	4470
9	399	444	1060	1930	969	4530	1580	490	3640	1340	466	4290
10	401	451	1940	2850	2550	6330	3850	709	4270	479	464	3380
11	401	1180	1410	2650	1610	4790	1590	1960	3610	474	462	657
12	403	454	1510	1910	2210	4510	2330	1900	5210	475	467	489
13	404	441	939	5000	1690	2890	2110	1090	4780	475	1950	500
14	1430	440	475	5860	2210	3080	1300	2040	4750	469	9210	505
15	915	443	445	2450	3950	3090	1810	1900	5070	1040	5990	497
16	962	445	3490	1470	4840	2590	2390	484	3170	755	1350	594
17	426	1240	1280	1330	5770	3410	1570	475	514	473	3210	974
18	414	1480	495	509	8010	7830	1860	475	484	473	3950	1130
19	416	2270	531	572	7930	4580	1600	1200	2640	473	3270	517
20	417	1940	1060	2080	7890	4270	2280	3360	1020	473	3810	490
21	417	2870	500	4600	7870	553	3110	2880	1100	520	2900	965
22	419	2170	500	4510	6270	501	2800	1320	481	493	4020	505
23	420	496	1320	5030	2860	4220	2620	478	481	1360	7830	1040
24	423	480	1310	7820	4440	4580	2730	471	535	2980	12300	1140
25	1220	480	530	7420	5880	4730	1160	469	485	2870	12100	2890
26	425	1270	988	2090	7920	4670	1230	465	485	510	8880	8060
27	430	943	2400	3910	7890	4820	1920	961	492	1810	8120	6440
28	1120	509	2400	2660	7880	1790	775	473	492	2720	7320	1030
29	446	494	3340	1270	7690	2260	680	470	2520	492	900	5370
30	426	495	6760	3380	---	4210	821	473	1990	459	492	8090
31	428	---	3000	2630	---	3680	---	473	---	458	3370	---
TOTAL	16460	28555	52868	95243	122279	121254	61809	35516	58647	50271	108312	73773
MEAN	531	952	1705	3072	4217	3911	2060	1146	1955	1622	3494	2459
MAX	1430	2870	6760	7820	8010	7830	3950	3360	5210	5870	12300	8090
MIN	397	430	445	509	507	501	680	465	472	458	450	489
MEAN†	604	968	1641	3082	4243	3867	2126	1122	1950	1636	3533	2530
CFSM†	.20	.33	.56	1.04	1.44	1.31	.72	.38	.66	.55	1.20	.86
IN.†	.24	.37	.64	1.20	1.55	1.51	.80	.44	.74	.64	1.38	.95

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

ALTAMAHA RIVER BASIN

02223000 OCONEE RIVER AT MILLEDGEVILLE, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1953 - 1992, BY WATER YEAR (WY) (SINCE REGULATION)

MEAN	1583	1687	2779	4524	5656	6099	4572	3115	2089	1628	1460	1182
MAX	8495	5932	7881	8879	11710	14030	11780	9288	7142	4538	4291	2693
(WY)	1990	1978	1984	1978	1960	1971	1964	1964	1963	1964	1984	1975
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 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1953 - 1992	
ANNUAL TOTAL	1111134		824987			
ANNUAL MEAN	3044	†3079	2254	†2268	3018	†3041
HIGHEST ANNUAL MEAN					5581	1964
LOWEST ANNUAL MEAN					1133	1986
HIGHEST DAILY MEAN	26200	Mar 3	12300	Aug 24	81500	Feb 25 1961
LOWEST DAILY MEAN	397	Oct 8	397	Oct 8	90	Apr 3 1955
ANNUAL SEVEN-DAY MINIMUM	400	Oct 4	400	Oct 4	129	Nov 17 1953
INSTANTANEOUS PEAK FLOW			18000	Aug 24	a122000	Feb 25 1961
INSTANTANEOUS PEAK STAGE			17.78	Aug 24	38.70	Aug 16 1928
ANNUAL RUNOFF (CFSM)	1.03	†1.04	.76	†.77	1.02	†1.03
ANNUAL RUNOFF (INCHES)	14.01	†14.17	10.40	†10.44	13.90	†14.00
10 PERCENT EXCEEDS	6880		4980		7000	
50 PERCENT EXCEEDS	2430		1420		1820	
90 PERCENT EXCEEDS	425		452		400	

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1903 - 1952, BY WATER YEAR (WY) (PRIOR TO REGULATION)

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	1929
LOWEST ANNUAL MEAN	1885	1914
HIGHEST DAILY MEAN	82300	Apr 11 1936
LOWEST DAILY MEAN	90	b
ANNUAL SEVEN-DAY MINIMUM	94	Sep 7 1925
INSTANTANEOUS PEAK FLOW	a95000	Aug 16 1928
INSTANTANEOUS PEAK STAGE	c38.70	Aug 16 1928
ANNUAL RUNOFF (CFSM)	1.17	
ANNUAL RUNOFF (INCHES)	15.85	
10 PERCENT EXCEEDS	6480	
50 PERCENT EXCEEDS	2100	
90 PERCENT EXCEEDS	882	

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

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

b Aug 31 and Sep 1, 7, 9-13, 23-25, 1925.

c From floodmarks.

ALTAMAHA RIVER BASIN

02223000 OCONEE RIVER AT MILLEDGEVILLE, GA.--Continued

WATER-QUALITY RECORDS

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

REMARKS.--Laboratory chemical analyses 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 1991 TO SEPTEMBER 1992

DATE	TIME	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)
OCT 08...	1010	403	73	68	7.3	7.2	22.0	16.5	8.4	96
NOV 13...	1030	445	70	69	7.5	7.2	15.5	13.0	8.9	89
DEC 11...	1010	3060	71	69	7.3	7.3	14.0	13.5	9.0	87
JAN 16...	1140	3430	71	71	6.9	7.1	10.0	6.0	12.0	106
FEB 12...	1030	2290	61	69	7.6	7.2	10.0	16.0	10.7	94
MAR 11...	1030	1200	74	69	7.3	7.1	14.0	4.5	11.2	110
APR 15...	1030	500	73	65	7.5	7.1	16.0	21.0	9.4	96
MAY 20...	1015	476	66	62	--	6.8	20.0	21.0	5.6	62
JUN 10...	1100	6740	86	66	7.1	7.0	23.0	29.0	4.9	58
JUL 15...	1015	463	85	69	7.5	7.0	27.0	29.5	6.3	80
AUG 12...	0915	463	97	70	--	7.1	29.0	30.5	6.3	82
SEP 09...	1015	6200	87	64	--	6.8	27.0	28.5	5.6	71

DATE	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LITY WAT WH TOT FET LAB MG/L AS CACO3	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)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)
OCT 08...	2.0	--	40	22	0.110	0.030	0.030	40	60	<10
NOV 13...	3.0	0.2	20	21	0.070	0.040	0.040	3.6	210	13
DEC 11...	5.0	0.5	40	19	0.070	<0.030	0.080	2.5	--	--
JAN 16...	8.0	1.1	50	22	0.130	0.040	0.140	2.7	300	18
FEB 12...	7.0	1.0	40	23	0.120	<0.030	0.080	3.3	250	14
MAR 11...	44	0.6	130	20	0.230	0.060	0.090	2.0	400	<10
APR 15...	7.0	0.8	170	19	0.310	0.030	0.070	2.7	350	11
MAY 20...	6.0	2.2	140	18	0.290	0.060	0.080	2.0	400	33
JUN 10...	8.0	1.8	<20	18	0.190	<0.030	0.060	4.0	110	18
JUL 15...	4.0	0.6	80	20	0.170	<0.030	0.170	3.0	110	30
AUG 12...	2.0	0.7	<20	21	0.100	<0.030	0.070	3.0	70	13
SEP 09...	10	0.2	50	21	0.100	0.120	0.050	4.0	800	100

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 current year.

REMARKS.--Laboratory chemical analyses 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. 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 1991 TO SEPTEMBER 1992

DATE	TIME	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)
OCT										
08...	1040	400	81	76	7.3	7.2	21.0	17.0	8.2	92
NOV										
13...	1045	445	78	78	7.4	7.3	14.5	15.5	9.5	93
DEC										
11...	1030	454	77	70	7.3	7.2	13.5	15.5	8.2	79
JAN										
16...	1200	521	72	70	6.9	7.3	10.0	6.0	12.0	106
FEB										
12...	1100	510	75	78	7.5	7.2	10.0	16.0	10.8	95
MAR										
11...	1100	7960	70	70	7.3	7.0	15.0	5.5	11.6	116
APR										
15...	1100	510	76	71	7.1	7.1	16.0	24.0	9.0	92
MAY										
20...	1045	490	76	73	7.7	6.9	20.5	24.5	6.2	69
JUN										
10...	1020	500	92	76	6.9	6.8	23.0	28.0	5.4	64
JUL										
15...	1030	467	90	81	7.4	7.0	28.0	29.0	6.3	81
AUG										
12...	0945	467	97	81	7.4	7.2	29.0	29.0	6.0	79
SEP										
09...	1100	505	90	71	7.4	6.8	27.0	28.5	5.2	66

DATE	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LITY WAT WH TOT FET LAB MG/L AS CACO3	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)
OCT								
08...	2.0	—	110	23	0.200	0.030	0.140	3.4
NOV								
13...	3.0	0.5	20	23	0.180	0.050	0.130	3.7
DEC								
11...	4.0	0.4	<20	21	0.120	0.030	0.100	5.0
JAN								
16...	13	1.1	1300	22	0.140	0.060	0.120	2.8
FEB								
12...	6.0	1.2	790	23	0.180	0.100	0.100	3.2
MAR								
11...	18	0.9	170	20	0.240	0.040	0.110	3.9
APR								
15...	8.0	0.8	20	20	0.320	0.050	0.080	2.8
MAY								
20...	5.0	2.5	1400	20	0.300	0.130	0.100	3.0
JUN								
10...	11	2.0	330	22	0.290	0.090	0.070	5.0
JUL								
15...	5.0	0.8	790	21	0.190	0.060	0.100	3.0
AUG								
12...	3.0	0.9	50	19	0.150	0.080	0.120	4.0
SEP								
09...	6.0	0.3	20	22	0.120	0.100	0.070	4.0

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 current year.

REMARKS.--Laboratory chemical analyses 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. 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 1991 TO SEPTEMBER 1992

DATE	TIME	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)
OCT 23...	1040	610	147	--	7.3	7.3	18.5	26.0	5.2	55
FEB 11...	1310	2600	93	90	7.4	7.1	9.0	15.5	9.1	78
JUN 09...	1345	780	114	110	7.1	7.2	23.5	25.5	6.2	74
AUG 11...	1235	480	151	148	7.6	7.4	29.0	36.0	6.4	84

DATE	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LINITY WAT WH TOT FET LAB MG/L AS CaCO3	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)
OCT 23...	10	6.0	1.1	70	22	0.090	0.080	0.080	--
FEB 11...	20	17	0.7	130	19	0.210	0.050	0.060	4.0
JUN 09...	20	17	0.4	170	19	0.560	<0.030	0.100	2.0
AUG 11...	15	7.0	0.9	70	19	0.480	<0.030	0.100	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 National Geodetic Vertical Datum of 1929. 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.--95 years (water years 1898-1992), 4,882 ft³/s, 15.07 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)
Aug. 28	1000	*10,900	*13.95

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	733	777	919	5340	4370	10500	5120	1340	946	2330	1030	2400
2	737	759	909	3240	3220	9510	4660	1450	862	2490	966	3030
3	779	754	1210	3090	2060	7010	4710	1690	915	2500	907	2600
4	798	803	2410	4680	2730	6030	4840	1580	977	4820	834	3090
5	797	1200	2720	4850	3410	4860	3890	1440	1780	5660	1100	3410
6	766	1290	2970	3590	3020	4860	2280	1430	2580	5700	1160	3930
7	730	1330	3000	3140	4150	8280	2530	1700	2210	4670	893	5310
8	717	1350	2650	3450	4260	10500	4370	2120	1170	3480	1050	5870
9	705	1320	2020	3140	2830	10600	4370	2100	1070	2710	1010	6030
10	705	1290	1610	2130	2070	10500	3510	1460	2660	2770	773	5230
11	709	1020	1860	2880	2550	9740	4270	1080	3690	1760	709	4950
12	712	981	2070	3110	3170	9280	3980	1270	3960	1090	695	3100
13	706	1370	1870	3050	2410	8150	3330	2150	5120	1150	717	1760
14	694	1070	1800	5550	3030	6410	3400	1930	6000	1090	1380	1400
15	713	950	1480	8070	2690	5320	3160	1780	6260	918	6500	1230
16	1340	917	1140	7440	4190	4910	2530	2030	6440	1060	9100	1130
17	1230	905	1620	4920	6300	4400	2880	1920	5300	1470	9690	1050
18	1210	892	2700	3620	7860	4210	2810	1110	3500	1250	6420	1070
19	911	1360	1520	3010	9480	6890	2430	926	1800	1050	5700	1330
20	790	1820	1090	2970	10300	7740	2440	908	1660	1030	5240	1440
21	756	2130	1170	3470	10500	6400	2880	1830	2310	1030	5630	1070
22	749	2290	1260	4370	10400	4820	4060	2930	1560	1190	5490	940
23	747	2560	1020	5840	10600	2730	4290	2200	1430	1150	6370	1210
24	743	2120	1030	6980	10400	3200	4030	1580	997	1180	7650	1440
25	739	1190	1550	8370	9130	5070	3920	989	871	2030	9040	2790
26	769	983	1640	9160	9500	5840	2970	830	859	2810	9970	3230
27	1200	1080	1270	8100	10200	6090	2060	781	828	2580	10600	6120
28	854	1410	2080	5340	10700	5960	2180	796	921	1670	10900	7910
29	762	1210	3650	5100	10700	5200	2180	1180	977	2210	10600	5420
30	1110	970	4200	3820	---	3370	1560	1130	1100	2450	8160	3940
31	904	---	5980	3680	---	4440	---	1090	---	1280	3160	---
TOTAL	25815	38101	62418	145500	176230	202820	101640	46750	70753	68578	143444	93430
MEAN	833	1270	2013	4694	6077	6543	3388	1508	2358	2212	4627	3114
MAX	1340	2560	5980	9160	10700	10600	5120	2930	6440	5700	10900	7910
MIN	694	754	909	2130	2060	2730	1560	781	828	918	695	940

ALTAMAHA RIVER BASIN

02223500 OCONEE RIVER AT DUBLIN, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1953 - 1992, BY WATER YEAR (WY) (SINCE REGULATION)

MEAN	2026	2153	3804	6456	8318	9455	7407	4339	2871	2302	2063	1556
MAX	9883	6823	10500	11740	20620	19120	17960	13390	8439	8767	6156	3625
(WY)	1990	1978	1984	1972	1960	1971	1964	1964	1966	1963	1984	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 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1953 - 1992	
ANNUAL TOTAL	1733429		1175479			
ANNUAL MEAN	4749	†4784	3212	†3226	4376	
HIGHEST ANNUAL MEAN					7909	1964
LOWEST ANNUAL MEAN					1722	1988
HIGHEST DAILY MEAN	28300	Mar 7	10900	Aug 28	67100	Mar 7 1971
LOWEST DAILY MEAN	690	Sep 30	694	Oct 14	351	Oct 19 1954
ANNUAL SEVEN-DAY MINIMUM	706	Oct 9	706	Oct 9	392	Oct 13 1954
INSTANTANEOUS PEAK FLOW			10900	Aug 28	70100	Mar 6 1971
INSTANTANEOUS PEAK STAGE			13.95	Aug 28	30.21	Mar 6 1971
ANNUAL RUNOFF (CFSM)	1.08	†1.09	.73	†.73	.99	
ANNUAL RUNOFF (INCHES)	14.66	†14.77	9.94	†9.96	13.51	
10 PERCENT EXCEEDS	10800		7500		10300	
50 PERCENT EXCEEDS	3540		2300		2500	
90 PERCENT EXCEEDS	865		848		795	

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1898 - 1952, BY WATER YEAR (WY) (PRIOR TO REGULATION)

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 current year.

REMARKS.--Laboratory chemical analyses 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. 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 1991 TO SEPTEMBER 1992

DATE	TIME	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)
OCT 23...	1145	735	174	170	7.3	7.2	19.0	28.5	4.5	48
NOV 13...	1500	1480	155	155	7.4	7.3	11.5	18.5	9.9	91
DEC 10...	1315	1620	126	127	7.3	7.0	15.0	24.0	9.4	93
JAN 27...	1325	8070	86	85	7.2	6.8	8.5	15.0	7.2	61
FEB 11...	1440	2700	111	108	7.4	7.0	8.0	18.0	10.3	86
MAR 10...	1500	10600	72	73	7.2	6.9	16.0	19.0	8.1	83
APR 28...	1155	2230	104	102	7.3	7.1	17.0	19.5	8.3	86
MAY 26...	1405	818	146	140	7.1	7.1	25.0	26.0	7.1	87
JUN 09...	1500	1010	142	137	7.2	7.3	26.0	24.0	6.6	82
JUL 14...	1250	1080	121	128	7.2	7.2	29.0	35.5	5.6	73
AUG 11...	1400	708	181	174	7.5	7.4	31.0	33.0	6.4	87
SEP 15...	1310	1230	130	123	7.3	7.2	25.0	30.0	6.3	76

DATE	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	OXYGEN DEMAND, CHEM- ICAL (LOW LEVEL) (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LINITY WAT WH TOT FET LAB MG/L AS CaCO3	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L)
OCT 23...	30	3.0	11	1.1	1300	27	1
NOV 13...	30	6.0	8	1.5	790	20	7
DEC 10...	40	10	—	1.0	130	19	2
JAN 27...	40	26	13	1.8	790	15	22
FEB 11...	20	12	10	0.7	330	16	11
MAR 10...	40	25	22	0.9	230	17	24
APR 28...	40	16	9	0.9	70	22	17
MAY 26...	20	7.0	10	0.7	1100	23	6
JUN 09...	20	11	14	0.9	70	22	12
JUL 14...	40	17	11	1.4	20	21	14
AUG 11...	15	7.0	—	0.9	230	25	2
SEP 15...	50	13	—	0.7	80	27	12

ALTAMAHA RIVER BASIN

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	NITRO- GEN, NO ₂ +NO ₃ TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 23...	0.410	0.130	0.37	0.50	0.91	0.090	2.9
NOV 13...	0.380	0.220	0.0	0.20	0.58	0.160	4.2
DEC 10...	0.240	0.130	—	—	—	0.160	3.9
JAN 27...	0.150	0.040	0.36	0.40	0.55	0.120	4.7
FEB 11...	0.260	0.090	0.31	0.40	0.66	0.070	4.7
MAR 10...	0.190	0.040	—	<0.10	—	0.130	5.9
APR 28...	0.370	0.050	0.15	0.20	0.57	0.150	4.6
MAY 26...	0.460	0.210	0.19	0.40	0.86	0.120	2.9
JUN 09...	0.510	0.210	0.19	0.40	0.91	0.120	5.0
JUL 14...	0.300	0.190	0.21	0.40	0.70	0.130	6.0
AUG 11...	0.430	0.200	—	—	—	0.160	6.0
SEP 15...	0.300	0.160	—	—	—	0.140	5.0

ALTAMAHA RIVER BASIN

02224000 ROCKY CREEK NEAR DUDLEY, GA.

LOCATION.--Lat 32°39'38", long 83°08'49", Laurens County, Hydrologic Unit 03070102, on downstream side of highway bridge, 3.2 mi upstream from Buckhorn Branch, and 5 mi southwest of Dudley.

DRAINAGE AREA.--62.9 mi².

PERIOD OF RECORD.--November 1970 to July 1990, March 1992. Water-discharge records for water years 1952-76 are published in reports of the U.S. Geological Survey.

REMARKS.--Traditionally, dissolved trace-element concentrations have been reported at the microgram per liter (µg/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 µg/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 1994.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

		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)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)				
	DATE	TIME											
	MAR 24...	0900	91	55	56	7.1	7.0	13.0	9.7	92			
		TUR-BID-ITY (NTU)	HARD-NESS TOTAL (MG/L AS CaCO3)	CALCIUM DIS-SOLVED (MG/L AS Ca)	MAGNE-SIUM, DIS-SOLVED (MG/L AS Mg)	SODIUM, DIS-SOLVED (MG/L AS Na)	SODIUM PERCENT	SODIUM AD-SORP-TION RATIO	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY WAT.DIS FET LAB CaCO3 (MG/L)			
	DATE												
	MAR 24...	9.5	18	5.5	1.1	2.8	24	0.3	1.1	14			
		SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SOLIDS, SILICA, DIS-SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	NITRO-NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	NITRO-NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	GEN, AMMONIA DIS-SOLVED (MG/L AS N)			
	DATE												
	MAR 24...	1.3	5.5	<0.10	4.8	25	0.430	0.430	0.020	0.020			
		NITRO-GEN, ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, ORGANIC DIS-SOLVED (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS N)	NITRO-GEN DIS-SOLVED (MG/L AS N)	PHOS-PHORUS TOTAL (MG/L AS P)	PHOS-PHORUS DIS-SOLVED (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)	ALUM-INUM, DIS-SOLVED (UG/L AS AL)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC DIS-SOLVED (UG/L AS AS)
	DATE												
	MAR 24...	0.28	0.18	0.30	0.20	0.73	0.63	0.040	<0.010	6.8	50	1	1
		CADMIUM DIS-SOLVED (UG/L AS CD)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR)	COPPER, DIS-SOLVED (UG/L AS CU)	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	LEAD, DIS-SOLVED (UG/L AS PB)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	MERCURY DIS-SOLVED (UG/L AS HG)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	ZINC, DIS-SOLVED (UG/L AS ZN)	
	DATE												
	MAR 24...	<1.0	<1	<1	530	<1	<1	35	0.10	0.4	<1	7	

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 current year.

REMARKS.--Laboratory analyses 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 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 1991 TO SEPTEMBER 1992

DATE	TIME	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)
NOV 13...	1700	960	154	153	7.6	7.3	12.5	18.0	9.8	92
JAN 22...	0805	3550	96	96	7.3	7.0	9.5	7.5	8.1	71
MAR 10...	1730	11700	67	67	6.8	6.6	18.0	17.5	6.9	74
MAY 26...	1605	1290	126	121	7.1	7.1	26.0	31.0	6.3	78
JUL 14...	1450	1440	140	143	7.2	7.2	30.0	35.0	5.4	71
SEP 15...	1455	2020	108	111	7.5	7.0	26.0	28.0	6.1	75

DATE	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LITY WAT WH TOT FET LAB MG/L AS CACO3	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)
NOV 13...	20	5.0	1.0	130	31	0.400	0.120	0.160	4.2
JAN 22...	55	21	0.4	110	16	0.260	0.110	0.080	7.4
MAR 10...	70	25	0.9	490	16	0.140	<0.030	0.140	7.2
MAY 26...	20	13	0.6	<20	26	0.490	<0.030	0.110	6.9
JUL 14...	58	20	1.0	50	32	0.450	0.060	0.120	4.0
SEP 15...	60	23	1.1	110	32	0.270	0.130	0.140	5.0

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.

WATER-DISCHARGE RECORDS

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 National Geodetic Vertical Datum of 1929. Aug. 13, 1949, to June 30, 1951, nonrecording gage at site 400 ft upstream at same datum.

REMARKS.--Records good, except for those for the period August 22-25, which are fair.

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. 28	1100	*33,600	*15.77	No other peak greater than base discharge.			

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3200	2490	3720	7040	19000	33000	20500	7060	3520	3740	5390	17800
2	3260	2580	3420	8280	17700	33000	21400	6260	3720	3940	4700	17700
3	3220	2470	3310	9000	17100	32500	21900	5640	3880	4960	4150	15400
4	3080	2410	3270	8260	15700	30800	21300	5310	4060	5700	3780	14300
5	2970	2380	3230	7730	14900	28800	19800	5190	4110	5980	3570	15200
6	2940	2400	3820	8560	15100	26800	18100	4930	4010	7190	3390	17000
7	2970	2630	4410	9070	19000	24400	16400	4660	4180	8110	3300	18100
8	2980	2960	4910	8580	21900	23200	14400	4490	4860	8710	3270	17700
9	2890	3130	5330	7930	22300	23800	13400	4510	4940	8700	3230	16600
10	2800	3320	5400	7950	21600	24700	13700	4750	4650	8070	3270	15400
11	2710	3460	5110	7790	19600	25500	13700	4870	4780	7460	3240	14500
12	2650	3490	4880	7260	17000	26400	13300	4520	6050	7240	3070	13900
13	2620	3240	4870	8050	15200	27000	13200	4160	8240	6520	2940	13000
14	2590	2990	4960	10800	14300	27100	12100	4050	10100	5450	2930	11500
15	2610	2950	4640	13000	13100	26500	12700	4400	11800	4590	3660	9630
16	2650	2960	4310	14100	12500	25200	12200	4470	13100	4080	6270	8770
17	2590	2830	3930	15200	12700	23400	11700	4380	13900	3720	9060	8590
18	2710	2740	3650	16000	15100	21100	10700	4670	14200	3610	9870	8630
19	2870	2690	3660	16200	19000	19400	10000	4580	14100	3790	11000	8590
20	2880	2650	4300	15500	21900	18800	9470	3990	12800	3810	11900	7970
21	2810	2740	3960	14900	24000	19500	8910	3580	10600	3680	12100	6490
22	2660	3040	3490	14400	25200	20400	9850	3370	9050	3700	e13000	5460
23	2580	3380	3380	14800	26200	20800	11000	3650	8460	3840	e14500	4930
24	2550	3550	3410	16100	27200	20400	11900	4480	7140	4240	e16000	4590
25	2500	3810	3310	17800	28700	18800	12500	4430	5830	4450	e16500	4590
26	2470	3730	3290	18600	30900	17700	12400	3910	4880	4420	16400	5000
27	2450	3330	3440	18800	32600	18600	11800	3470	4330	4680	16600	5730
28	2430	3210	3790	18800	33300	19500	10400	3240	3990	5370	16700	6470
29	2550	3370	3990	19200	33300	19200	8700	3170	3700	5580	16900	8140
30	2590	3710	4640	19900	---	18600	7690	3100	3660	5270	17200	9880
31	2480	---	5990	20000	---	19100	---	3290	---	5390	17400	---
TOTAL	85260	90640	127820	399600	606100	734000	405120	136580	212640	165990	275290	331560
MEAN	2750	3021	4123	12890	20900	23680	13500	4406	7088	5355	8880	11050
MAX	3260	3810	5990	20000	33300	33000	21900	7060	14200	8710	17400	18100
MIN	2430	2380	3230	7040	12500	17700	7690	3100	3520	3610	2930	4590
CFSM	.24	.26	.36	1.11	1.80	2.04	1.16	.38	.61	.46	.77	.95
IN.	.27	.29	.41	1.28	1.94	2.35	1.30	.44	.68	.53	.88	1.06

e Estimated

ALTAMAHA RIVER BASIN

02225000 ALTAMAHA RIVER NEAR BAXLEY, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1949 - 1992, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	4579	4925	8994	15460	21490	23540	19470	10290	7036	5803	6208	4904
MAX	16030	11020	25140	30540	41600	47260	41730	20630	19380	12910	16580	13860
(WY)	1990	1978	1984	1987	1973	1975	1975	1975	1973	1989	1984	1949
MIN	1864	2115	2763	3395	4803	9112	5635	2576	2302	1796	1902	2468
(WY)	1982	1982	1988	1981	1989	1985	1986	1986	1988	1988	1988	1980

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1949 - 1992	
ANNUAL TOTAL	4980670		3570600			
ANNUAL MEAN	13650		9756		11130	
HIGHEST ANNUAL MEAN					17720	
LOWEST ANNUAL MEAN					5210	
HIGHEST DAILY MEAN	62000		33300		96000	
LOWEST DAILY MEAN	2380		2380		1620	
ANNUAL SEVEN-DAY MINIMUM	2460		2460		1660	
INSTANTANEOUS PEAK FLOW			33600		97500	
INSTANTANEOUS PEAK STAGE			15.77		22.70	
ANNUAL RUNOFF (CFSM)	1.18		.84		.96	
ANNUAL RUNOFF (INCHES)	15.97		11.45		13.04	
10 PERCENT EXCEEDS	26600		20400		24100	
50 PERCENT EXCEEDS	11100		6150		6900	
90 PERCENT EXCEEDS	2950		2940		2670	

ALTAMAHA RIVER BASIN

02225000 ALTAMAHA RIVER NEAR BAXLEY, GA.--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--November 1970 to current year.

PERIOD OF DAILY RECORD.--

CHLORIDE: May 1970 to August 1975.

SPECIFIC CONDUCTANCE: June 1971 to September 1976.

pH: October 1971 to September 1976.

WATER TEMPERATURES: December 1970 to September 1976.

DISSOLVED OXYGEN: May 1971 to September 1976.

REMARKS.--Laboratory chemical analyses 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.

EXTREMES FOR PERIOD OF DAILY RECORD

CHLORIDE: Maximum recorded, 19 mg/L Oct. 10, 1974; minimum recorded, 0.0 mg/L Dec. 26-28, 1972, June 2, 3, 1973.

SPECIFIC CONDUCTANCE: Maximum recorded, 157 microsiemens Oct. 9, 1972; minimum recorded, 24 microsiemens Feb. 28, March 1, 1974.

pH: Maximum recorded, 8.0 units May 14, 1972; minimum recorded, 5.1 units Dec. 28, 1971.

WATER TEMPERATURES: Maximum, 32.0°C July 24, Aug. 5, 1972; minimum, 5.5°C Jan. 11, 19, 20, 1976.

DISSOLVED OXYGEN: Maximum recorded, 11.7 mg/L Jan. 17, 18, 1973; minimum recorded, 4.7 mg/L Aug. 21, 1972.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	TIME	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)
OCT 24...	0635	2590	153	148	7.6	7.5	20.5	17.5	5.6	62
NOV 14...	0740	3070	136	137	7.7	7.4	11.0	5.5	9.1	82
DEC 11...	0855	5130	118	119	7.6	7.4	13.0	11.0	8.5	80
JAN 22...	1120	14400	77	77	7.0	6.8	8.5	14.5	8.1	69
FEB 12...	1020	17100	71	64	6.9	6.5	9.0	13.5	8.9	76
MAR 11...	0905	25400	65	62	6.7	6.7	16.0	4.5	6.4	65
APR 29...	0755	8890	92	87	7.0	7.1	18.5	10.5	7.6	81
MAY 27...	0850	3520	134	126	7.5	7.5	24.5	22.5	7.0	84
JUN 10...	0820	4650	120	117	7.4	7.2	26.0	24.5	6.3	78
JUL 15...	0805	4670	121	117	7.3	7.3	30.0	27.0	5.5	73
AUG 12...	0810	3110	148	142	7.7	7.4	29.5	27.0	6.4	84
SEP 16...	0815	8810	93	--	6.9	--	25.0	24.0	6.1	75
28...	0930	6310	106	109	7.2	7.2	23.5	23.5	6.9	81

ALTAMAHA RIVER BASIN

02225000 ALTAMAHA RIVER NEAR BAXLEY, GA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LITY WAT WH TOT FET LAB MG/L AS CACO3	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)
OCT 24...	10	4.0	0.9	<20	45	0.560	0.070	0.130	3.0
NOV 14...	—	9.0	1.0	<20	38	0.630	0.030	0.110	3.5
DEC 11...	80	13	0.9	20	27	0.580	<0.030	0.180	3.7
JAN 22...	80	28	1.4	170	13	0.310	0.080	0.080	8.9
FEB 12...	50	16	1.7	—	15	0.240	0.050	0.070	9.3
MAR 11...	80	16	1.2	80	17	0.140	<0.030	0.090	7.3
APR 29...	90	19	1.0	50	27	0.400	0.030	0.140	6.4
MAY 27...	20	24	0.4	<20	35	0.720	<0.030	0.080	2.2
JUN 10...	20	18	1.2	—	30	0.650	<0.030	0.070	4.0
JUL 15...	30	20	0.5	—	33	0.430	<0.030	0.200	3.0
AUG 12...	20	10	0.6	—	39	0.480	<0.030	0.110	4.0
SEP 16...	—	—	—	—	—	—	—	—	—
28...	45	26	0.8	70	30	0.420	0.030	0.140	5.6

ALTAMAHA RIVER BASIN

02225500 OHOOPEE RIVER NEAR REIDSVILLE, GA.

LOCATION.--Lat 32°04'42", long 82°10'39", Tattnall County, Hydrologic Unit 03070107, on downstream side of pier near center span of bridge on State Highway 56, 0.5 mi downstream from Brazells Creek, 1.5 mi downstream from Rocky Creek, 3.5 mi west of Reidsville, 6 mi downstream from Pendleton Creek, and 14 mi upstream from mouth.

DRAINAGE AREA.--1,110 mi², approximately.

WATER-DISCHARGE RECORDS

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 National Geodetic Vertical Datum of 1929 (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	5,510	14.27	Sept. 9	1400	3,840	12.39
Mar. 11	1600	*7,260	*15.81				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	295	102	89	527	2690	4840	2890	639	239	222	230	1080
2	259	101	91	506	2510	4180	2850	537	247	237	201	861
3	233	98	98	522	2260	3640	2570	463	250	295	182	737
4	215	96	125	568	2030	3190	2290	400	315	355	170	1010
5	206	95	163	550	1820	2740	1980	351	402	436	167	1910
6	201	95	189	493	1910	2430	1690	312	362	467	196	2370
7	191	94	188	436	2680	2360	1520	283	312	449	164	2490
8	180	94	183	407	3040	2540	1510	269	286	419	142	3260
9	175	95	173	372	2930	3300	1550	256	532	382	159	3800
10	168	99	164	349	2730	5410	1590	237	891	338	192	3500
11	161	110	161	321	2540	7080	1760	221	857	317	176	2720
12	153	121	156	295	2340	6660	1900	206	885	294	153	2060
13	146	125	149	508	2130	5190	1870	199	1100	243	154	1790
14	140	126	145	1410	1920	4060	1790	216	1310	196	149	1520
15	135	123	140	1740	1750	3360	1660	212	1620	181	474	1220
16	134	120	135	1700	1730	2850	1470	229	2000	174	1580	1020
17	138	115	131	1620	1840	2500	1270	232	2000	157	2010	860
18	142	110	129	1590	2380	2240	1120	229	1590	142	1720	710
19	136	107	125	1620	3040	2180	1020	215	1080	140	1380	600
20	129	105	120	1720	3590	2290	926	194	854	159	1260	522
21	125	102	118	1820	3900	2380	879	179	729	188	1520	457
22	123	99	116	1820	3890	2440	1190	166	640	271	1970	414
23	120	96	115	1900	3800	2550	1370	157	579	279	2170	379
24	117	94	115	2180	3700	2490	1300	151	548	421	2090	434
25	114	94	114	2390	3750	2310	1170	141	546	481	1880	489
26	113	92	114	2440	4640	2260	1100	133	418	509	1700	412
27	113	92	115	2350	5460	2190	1000	125	335	532	1540	377
28	115	90	146	2230	5410	2160	933	122	325	484	1590	410
29	114	89	242	2330	5300	2220	866	129	285	373	1790	491
30	109	89	441	2540	---	2340	761	191	253	290	1760	602
31	105	---	530	2710	---	2650	---	230	---	256	1420	---
TOTAL	4805	3068	5020	41964	87710	99030	45795	7624	21790	9687	30279	38505
MEAN	155	102	162	1354	3024	3195	1526	246	726	312	977	1283
MAX	295	126	530	2710	5460	7080	2890	639	2000	532	2170	3800
MIN	105	89	89	295	1730	2160	761	122	239	140	142	377
CFSM	.14	.09	.15	1.22	2.72	2.88	1.38	.22	.65	.28	.88	1.16
IN.	.16	.10	.17	1.41	2.94	3.32	1.53	.26	.73	.32	1.01	1.29

ALTAMAHA RIVER BASIN

02225500 OHOOPEE RIVER NEAR REIDSVILLE, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1903 - 1992, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	418	353	812	1452	2154	2468	1709	734	497	533	623	455
MAX	2325	3638	4674	5618	5032	6693	5120	2220	2215	2386	4069	2127
(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 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1903 - 1992	
ANNUAL TOTAL	712442		395277		1001	
ANNUAL MEAN	1952		1080		2353	
HIGHEST ANNUAL MEAN					271	
LOWEST ANNUAL MEAN					23600	
HIGHEST DAILY MEAN	17700		7080		19	
LOWEST DAILY MEAN	89		89		20	
ANNUAL SEVEN-DAY MINIMUM	90		90		24400	
INSTANTANEOUS PEAK FLOW			7260		23.34	
INSTANTANEOUS PEAK STAGE			15.81			
INSTANTANEOUS LOW FLOW			89			
ANNUAL RUNOFF (CFSM)	1.76		.97			
ANNUAL RUNOFF (INCHES)	23.88		13.25			
10 PERCENT EXCEEDS	4270		2660			
50 PERCENT EXCEEDS	1360		445			
90 PERCENT EXCEEDS	115		115			

ALTAMAHA RIVER BASIN

02225500 OHOOPEE RIVER NEAR REIDSVILLE, GA.--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--February 1968 to June 1979, September 1990 to current year.

REMARKS.--Laboratory analyses 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 by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	TIME	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)
OCT 24...	0525	118	46	45	6.4	6.5	20.0	16.0	5.1	56
DEC 11...	0800	160	62	63	6.6	-	13.0	7.5	7.6	71
FEB 12...	0800	2370	48	38	6.0	5.9	7.0	6.0	9.1	74
APR 29...	0700	885	48	46	6.6	6.6	16.0	6.0	6.6	67
JUN 11...	0955	869	44	41	6.0	6.3	25.0	29.5	5.5	67
AUG 12...	0720	157	50	49	6.8	6.8	27.5	26.0	5.4	68

DATE	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LITY WAT WH TOT FET LAB MG/L AS CACO3	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)
OCT 24...	50	4.0	1.3	20	8	0.320	0.080	0.120	6.8
DEC 11...	110	4.0	1.0	20	26	0.250	0.040	0.120	8.2
FEB 12...	65	8.0	1.8	-	6	0.040	0.050	0.080	11
APR 29...	120	9.0	1.2	50	11	0.080	0.030	0.100	12
JUN 11...	120	12	1.5	790	6	0.060	0.060	0.110	16
AUG 12...	80	6.0	0.9	-	8	0.120	<0.030	0.110	9.0

ALTAMAHA RIVER BASIN

02225990 ALTAMAHA RIVER NEAR JESUP, GA.

LOCATION.--Lat 31°39'59", long 81°50'19", Wayne-Long County line, Hydrologic Unit 03070106, at bridge on U.S. Highways 25, 82, and 301, 5 mi northeast of Jesup.

DRAINAGE AREA.--13,600 mi², approximately.

PERIOD OF RECORD.--August 1974 to current year.

REMARKS.--Laboratory chemical analyses 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. Discharge obtained from gaging station 02226000, Altamaha River at Doctortown, Ga.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	TIME	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)
OCT										
10...	0930	3390	130	138	7.9	7.5	21.5	25.5	7.8	88
NOV										
06...	1430	2640	154	147	7.7	7.6	15.0	18.5	9.8	97
DEC										
16...	1050	5190	131	128	7.7	7.3	13.0	10.0	9.8	92
FEB										
05...	1630	22000	68	69	6.8	6.9	11.0	17.0	9.0	83
18...	1035	16800	74	69	6.9	6.6	13.5	16.0	8.4	80
MAR										
25...	1400	23600	66	62	6.8	6.7	14.5	16.5	8.1	79
APR										
08...	1020	22700	67	66	6.8	6.8	15.0	21.0	7.3	72
MAY										
20...	1415	5080	123	115	7.5	7.3	25.0	24.5	7.5	90
JUN										
16...	1030	10300	81	79	7.5	7.1	25.5	32.0	6.1	74
JUL										
29...	1330	5710	114	116	7.3	7.4	31.0	32.5	7.1	96
AUG										
05...	1040	4500	116	115	7.5	7.5	29.5	33.0	4.9	64
SEP										
02...	1400	19400	77	74	6.8	6.8	26.5	29.0	5.4	67

DATE	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LINIT- WAT WH TOT 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)	TANNIN AND LIGNIN (MG/L)
OCT											
10...	20	6.0	0.4	<20	40	6	0.290	0.060	0.050	3.6	<0.50
NOV											
06...	20	4.0	2.0	20	42	2	0.570	0.040	0.270	2.0	<0.50
DEC											
16...	25	15	0.5	--	28	15	0.620	<0.030	0.040	3.5	<0.50
FEB											
05...	50	13	1.3	130	13	6	0.190	<0.030	0.080	9.5	--
18...	55	13	0.6	110	16	9	0.250	<0.030	0.080	8.5	1.2
MAR											
25...	--	12	1.2	50	15	5	0.190	0.030	0.070	9.5	1.1
APR											
08...	40	12	0.8	210	17	4	0.240	<0.030	0.090	9.1	1.2
MAY											
20...	30	20	0.9	<20	32	22	0.700	<0.030	0.100	3.0	0.50
JUN											
16...	70	31	0.4	170	17	34	0.360	<0.030	0.140	7.0	1.0
JUL											
29...	--	20	1.4	50	28	23	0.400	0.160	0.160	5.0	0.60
AUG											
05...	25	17	1.0	<20	32	18	0.360	<0.030	0.180	4.0	0.40
SEP											
02...	80	18	0.5	80	22	10	0.120	<0.030	0.060	9.0	1.1

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 National Geodetic Vertical Datum of 1929. 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	1100	*41,700	11.85	No other peak greater than base discharge.			

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3790	2790	3720	5910	24600	41200	23300	10200	4030	4620	5830	19300
2	3800	2750	3870	6900	25100	41300	23700	8910	4230	4620	5840	19400
3	3830	2810	3760	7810	24800	40800	24700	7930	4320	4670	5470	19300
4	3790	2770	3670	8630	23600	39900	25600	7000	4620	5220	4950	19300
5	3690	2690	3610	8920	22200	38700	25900	6420	4940	5960	4510	19100
6	3580	2640	3580	8660	21400	37400	25400	6080	5130	6350	4190	18400
7	3460	2630	3860	8690	20500	35600	24200	5810	5100	6910	4020	19000
8	3420	2740	4410	9040	20300	32800	22600	5520	5060	7670	3930	20400
9	3420	3020	4900	9130	22200	30100	20500	5280	5400	8290	3860	21900
10	3360	3250	5360	8800	25700	28300	18400	5160	5790	8620	3750	22900
11	3260	3390	5600	8500	27900	28100	16900	5220	5980	8590	3710	23100
12	3150	3510	5530	8360	27800	29700	16400	5340	6130	8160	3690	22500
13	3070	3590	5340	8310	26200	32700	16200	5230	6600	7770	3560	20700
14	3000	3500	5230	8970	23500	34400	15700	5010	7730	7290	3410	18900
15	2960	3300	5260	10300	20900	34300	15400	4760	9050	6540	3430	17200
16	2960	3210	5120	12100	18800	33300	15100	4840	10500	5640	4220	15200
17	2960	3230	4820	13800	17400	31900	14700	4990	11700	4950	6460	13100
18	2940	3150	4480	15400	16900	30200	14000	4920	12700	4460	8900	11600
19	2960	3040	4140	16700	17100	28900	13200	5030	13700	4240	11000	10700
20	3110	2960	3950	17700	18500	27000	12500	5080	14300	4170	12300	10100
21	3170	2920	4260	18300	21500	24800	12100	4740	14400	4410	12900	9630
22	3140	2930	4360	18500	25300	23400	11500	4270	13600	4450	13600	8660
23	3030	3110	4010	18700	28500	23000	11300	3930	12100	4460	14700	7370
24	2910	3400	3770	18400	30600	23200	11900	3900	10900	4770	16300	6500
25	2850	3610	3710	18200	32100	23800	12600	4430	9500	5000	18100	5920
26	2810	3810	3640	18800	33500	24200	13100	4760	8700	5270	19000	5740
27	2790	3890	3580	20100	34900	23400	13200	4480	7250	5310	19400	5950
28	2750	3670	3670	21700	37300	22100	13100	4120	6170	5320	19500	6360
29	2730	3480	4000	23000	40000	21500	12700	3900	5510	5690	19600	6830
30	2750	3510	4370	23700	---	21900	11700	3800	4940	5990	19400	7710
31	2830	---	4900	24000	---	23000	---	3840	---	5970	19200	---
TOTAL	98270	95300	134480	426030	729100	930900	507600	164900	240080	181380	298730	432770
MEAN	3170	3177	4338	13740	25140	30030	16920	5319	8003	5851	9636	14430
MAX	3830	3890	5600	24000	40000	41300	25900	10200	14400	8620	19600	23100
MIN	2730	2630	3580	5910	16900	21500	11300	3800	4030	4170	3410	5740
CFSM	.23	.23	.32	1.01	1.85	2.21	1.24	.39	.59	.43	.71	1.06
IN.	.27	.26	.37	1.17	1.99	2.55	1.39	.45	.66	.50	.82	1.18

ALTAMAHA RIVER BASIN

02226000 ALTAMAHA RIVER AT DOCTORTOWN, GA.

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1932 - 1992, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	5843	5685	10520	18110	24400	28950	25850	13350	8847	7639	7777	6139
MAX	19770	27850	55570	44170	56200	71890	80960	39850	26650	25510	23090	18630
(WY)	1965	1948	1949	1946	1936	1966	1936	1964	1966	1963	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 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1932 - 1992	
ANNUAL TOTAL	6338720		4239540		13530	
ANNUAL MEAN	17370		11580		25350	
HIGHEST ANNUAL MEAN					5996	
LOWEST ANNUAL MEAN					178000	
HIGHEST DAILY MEAN	80200	Mar 10	41300	Mar 2	Apr 18 1936	
LOWEST DAILY MEAN	2630	Nov 7	2630	Nov 7	1430	
ANNUAL SEVEN-DAY MINIMUM	2720	Nov 2	2720	Nov 2	1460	
INSTANTANEOUS PEAK FLOW			41,700	Mar 1	178000	
INSTANTANEOUS PEAK STAGE			11.85	Mar 1	a16.03	
INSTANTANEOUS LOW FLOW			2630	Nov 6, 7	1430	
ANNUAL RUNOFF (CFSM)	1.28		.85		1.00	
ANNUAL RUNOFF (INCHES)	17.34		11.60		13.52	
10 PERCENT EXCEEDS	35900		24900		31000	
50 PERCENT EXCEEDS	14400		6900		8200	
90 PERCENT EXCEEDS	3220		3220		3300	

a Present datum.

b Also Oct. 28 and Nov. 1, 1954.

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 current year.

REMARKS.--Laboratory chemical analyses 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. Discharge obtained from gaging station 02226000, Altamaha River at Doctortown, Ga.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	TIME	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)
OCT										
10...	0845	3420	188	209	7.7	7.5	21.0	25.5	7.6	85
NOV										
06...	1400	2640	260	250	7.5	7.7	15.0	18.5	8.9	88
DEC										
16...	1020	5260	181	181	7.7	7.3	13.5	9.5	9.2	87
FEB										
05...	1540	22300	82	84	6.9	6.7	11.5	17.0	9.1	85
18...	1005	17000	92	88	7.0	6.7	14.0	16.0	8.2	79
MAR										
25...	1330	23600	77	74	6.7	6.8	15.0	16.5	8.0	79
APR										
08...	1000	23300	77	76	6.7	6.9	15.0	21.5	7.3	72
MAY										
20...	1345	5110	158	150	7.3	7.3	25.5	24.5	7.0	85
JUN										
16...	1005	10000	105	103	7.4	7.0	25.5	32.0	5.5	67
JUL										
29...	1300	5600	150	151	7.1	7.4	31.0	32.0	6.4	86
AUG										
05...	1010	4620	169	168	7.4	7.4	29.0	31.0	4.6	59
SEP										
02...	1430	19400	88	87	6.8	6.8	26.5	29.0	5.4	67

DATE	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	OXYGEN DEMAND, CHEM- ICAL (LOW LEVEL) (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LINITY WAT WH TOT FET LAB MG/L AS CaCO3	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L)
OCT							
10...	40	7.0	—	1.1	<20	53	7
NOV							
06...	—	7.0	—	1.3	20	56	6
DEC							
16...	50	15	—	1.4	—	37	15
FEB							
05...	50	14	—	1.4	80	14	5
18...	55	13	—	0.8	270	17	8
MAR							
25...	—	12	—	1.5	50	18	6
APR							
08...	50	12	—	0.7	80	18	6
MAY							
20...	40	17	—	1.2	20	38	17
JUN							
16...	70	31	—	1.4	130	24	34
JUL							
29...	70	20	29	1.7	20	34	18
AUG							
05...	70	17	24	1.5	<20	38	16
SEP							
02...	100	19	32	0.7	35	23	11

ALTAMAHA RIVER BASIN

02226010 ALTAMAHA RIVER NEAR GARDI, GA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	NITRO- GEN, NO ₂ +NO ₃ TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)	TANNIN AND LIGNIN (MG/L)
OCT 10...	0.420	0.100	—	—	—	0.090	6.2	1.3
NOV 06...	0.610	0.030	—	—	—	0.130	4.4	2.4
DEC 16...	0.620	<0.030	—	—	—	0.040	4.6	1.3
FEB 05...	0.170	<0.030	—	—	—	0.050	8.7	—
18...	0.230	0.040	—	—	—	0.070	9.6	1.5
MAR 25...	0.180	<0.030	—	—	—	0.060	9.6	1.3
APR 08...	0.230	0.040	—	—	—	0.090	10	1.6
MAY 20...	0.640	<0.030	—	—	—	0.080	4.0	1.3
JUN 16...	0.360	<0.030	—	—	—	0.120	9.0	1.6
JUL 29...	0.350	0.180	—	—	—	0.160	10	1.4
AUG 05...	0.340	0.060	0.24	0.30	0.64	0.150	6.0	1.9
SEP 02...	0.120	<0.030	—	0.30	0.42	0.080	10	1.6

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.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--July 1958 to current year.

GAGE.--Water-stage recorder. Datum of gage is 19.09 ft above National Geodetic Vertical Datum of 1929. Since May 6, 1966, auxiliary water-stage recorder at highway bridge, 2.5 mi downstream.

REMARKS.--Records good, except those nonzero discharges less than 20 ft³/s, which are fair, and those for the period of estimated daily discharges, 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)
Feb. 1	2100	1,100	11.25	Apr. 14	1300	*1,340	*11.52

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.17	.00	.00	e8.0	1070	140	433	139	19	159	158	83
2	.45	.00	.00	e11	1080	120	454	117	14	177	119	76
3	.61	.00	.00	e14	989	103	462	97	14	189	89	73
4	.41	.00	.00	e16	835	92	415	78	70	196	115	71
5	.75	.00	.14	e18	677	83	347	60	94	186	118	88
6	1.1	.00	.27	e22	630	79	279	46	108	176	103	148
7	.58	.00	.42	e20	758	89	231	36	119	158	80	215
8	.31	.00	.34	e21	869	e110	231	30	116	138	88	378
9	.18	.00	.28	e23	919	e100	219	24	98	118	59	565
10	.13	.00	.33	e24	870	e100	222	18	89	97	50	489
11	.11	.00	.25	e22	740	e120	229	14	91	78	42	437
12	.09	.00	.15	e20	581	e130	342	9.7	160	60	33	444
13	.06	.00	.15	e30	450	e130	861	7.3	261	43	25	450
14	.03	.00	.56	e180	365	e120	1300	11	295	30	21	372
15	.04	.00	.84	e200	316	e100	1270	10	320	21	21	317
16	.11	.00	.64	e190	272	e90	1040	14	338	15	27	261
17	.14	.00	.39	e190	250	e76	750	17	366	12	39	188
18	.16	.00	.34	e200	324	e66	545	13	391	11	43	130
19	.57	.00	.44	e220	412	e80	408	10	411	41	41	99
20	.59	.00	.45	e220	500	e110	325	11	395	18	40	80
21	.44	.00	.52	e230	543	e130	317	14	352	207	36	67
22	.36	.00	.77	232	505	e150	356	13	303	290	45	56
23	.23	.00	1.4	270	425	e170	435	11	264	296	64	46
24	.21	.00	1.7	329	353	e190	466	7.4	239	331	83	38
25	.31	.00	2.1	358	299	e220	423	4.6	196	375	113	32
26	.25	.00	2.1	376	250	277	353	7.1	175	373	159	27
27	.17	.00	2.2	377	211	346	293	5.9	215	362	175	24
28	.09	.00	2.5	362	185	405	236	6.8	185	347	159	20
29	.02	.00	e3.0	390	162	446	193	20	147	309	130	18
30	.00	.00	e4.0	538	---	428	164	17	148	255	108	16
31	.00	---	e6.0	860	---	443	---	20	---	204	92	---
TOTAL	8.67	0.00	32.28	5971.0	15840	5243	13599	888.8	5993	5272	2475	5308
MEAN	.28	.000	1.04	193	546	169	453	28.7	200	170	79.8	177
MAX	1.1	.00	6.0	860	1080	446	1300	139	411	375	175	565
MIN	.00	.00	.00	8.0	162	66	164	4.6	14	11	21	16
CFSM	.00	.00	.00	.92	2.60	.81	2.16	.14	.95	.81	.38	.84
IN.	.00	.00	.01	1.06	2.81	.93	2.41	.16	1.06	.93	.44	.94

e Estimated

ALTAMAHA RIVER BASIN

02226100 PENHOLLOWAY CREEK NEAR JESUP, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1958 - 1992, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	96.2	43.9	132	252	341	381	220	87.4	120	167	233	182
MAX	705	403	762	884	821	1342	1050	492	493	941	1031	1234
(WY)	1980	1970	1977	1967	1987	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	b1981

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR	FOR 1992 WATER YEAR	WATER YEARS 1958 - 1992
ANNUAL TOTAL	87571.25	60630.75	
ANNUAL MEAN	240	166	188
HIGHEST ANNUAL MEAN			391
LOWEST ANNUAL MEAN			20.2
HIGHEST DAILY MEAN	2070 Mar 5	1300 Apr 14	4370 Sep 30 1979
LOWEST DAILY MEAN	.00 Oct 30-Dec 4	.00 Oct 30-Dec 4	.00 c
ANNUAL SEVEN-DAY MINIMUM	.00 Oct 30-Nov 28	.00 Oct 30-Nov 28	.00 d
INSTANTANEOUS PEAK FLOW		1340 Apr 14	4420 Sep 30 1979
INSTANTANEOUS PEAK STAGE		11.52 Apr 14	14.96 Sep 30 1979
INSTANTANEOUS LOW FLOW		.00 Oct 30	.00 f
ANNUAL RUNOFF (CFSM)	1.14	.79	.89
ANNUAL RUNOFF (INCHES)	15.51	10.74	12.15
10 PERCENT EXCEEDS	655	429	550
50 PERCENT EXCEEDS	90	83	48
90 PERCENT EXCEEDS	.01	.01	.04

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.

ALTAMAHA RIVER BASIN

02226100 PENHOLOWAY CREEK NEAR JESUP, GA.--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--January 1972 to August 1990, March 1992.

REMARKS.--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 1994.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

		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)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)			
	DATE	TIME										
	MAR 25...	1145	224	69	65	4.3	4.1	13.0	7.5	71		
		TUR-BID-ITY (NTU)	HARD-NESS TOTAL (MG/L AS CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM AD-SORP-TION RATIO	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY WAT.DIS FET LAB CACO3 (MG/L)		
	DATE											
	MAR 25...	3.0	6	1.1	0.72	4.5	62	0.8	0.20	<1.0		
		CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)			
	DATE											
	MAR 25...	6.7	<0.10	10	106	<0.050	<0.050	0.020	0.020			
		NITRO-GEN, ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, ORGANIC DIS-SOLVED (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N)	PHOS-PHORUS TOTAL (MG/L AS P)	PHOS-PHORUS DIS-SOLVED (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)	ALUM-INUM, DIS-SOLVED (UG/L AS AL)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC DIS-SOLVED (UG/L AS AS)	
	DATE											
	MAR 25...	0.78	0.78	0.80	0.80	0.030	<0.010	36	850	<1	1	
		CADMIUM DIS-SOLVED (UG/L AS CD)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR)	COPPER, DIS-SOLVED (UG/L AS CU)	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	LEAD, DIS-SOLVED (UG/L AS PB)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	MERCURY DIS-SOLVED (UG/L AS HG)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	ZINC, DIS-SOLVED (UG/L AS ZN)
	DATE											
	MAR 25...	<1.0	3	<1	840	<1	<1	14	<0.10	<0.1	<1	16

ALTAMAHA RIVER BASIN

02226160 ALTAMAHA RIVER NEAR EVERETT CITY, GA.
(National Stream-Quality Accounting Network station)
(Radiochemical program station)

LOCATION.--Lat 31°25'37", long 81°36'20", Glynn-McIntosh County line, Hydrologic Unit 03070106, at Altamaha Park, 3 mi northeast of Everett City, and 15 mi northwest of Brunswick.

DRAINAGE AREA.--14,000 mi², approximately.

PERIOD OF RECORD.--October 1969 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: October 1969 to February 1986.

pH: November 1969 to February 1986.

WATER TEMPERATURE: October 1969 to February 1986.

DISSOLVED OXYGEN: April 1970 to February 1986.

REMARKS.--Laboratory analyses with analyzing agency codes 80020 and 84213 are provided by the U.S. Geological Survey. Laboratory analyses with analyzing agency code 81341 are provided by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, Dissolved Oxygen, and Total Alkalinity are by the U.S. Geological Survey. Discharge is obtained from gaging station 02226000, Altamaha River at Doctortown, Ga. Prior to 1978, water-quality samples for the National Stream-Quality Accounting Network, the Radiochemical program, and the National pesticide water-monitoring program were collected at, and published for, the Altamaha River at Doctortown, Ga. (station number 02226000). Traditionally, dissolved trace-element concentrations have been reported at the microgram per liter (µg/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 µg/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 1994.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum recorded, 321 microsiemens Oct. 7, 1981; minimum recorded, 32 microsiemens Apr. 9, 1973.

pH: Maximum recorded, 8.9 units Oct. 21, 22, 1971; minimum recorded, 5.3 units Dec. 12, 1976.

WATER TEMPERATURE: Maximum recorded, 33.5°C July 16-18, 1981; minimum recorded, 3.0°C Jan. 10, 11, 1970, Jan. 20, 21, 1977.

DISSOLVED OXYGEN: Maximum recorded, 12.5 mg/L Jan. 28, 1985; minimum recorded, 2.7 mg/L Oct. 8, 1977.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

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)
OCT							
10...	0640	81341	3440	186	217	7.4	7.3
NOV							
06...	0830	80020	2700	258	254	7.7	7.7
06...	0840	81341	2700	258	251	7.7	7.6
DEC							
16...	0750	81341	5330	215	205	7.5	7.2
FEB							
05...	1010	81341	23800	64	78	6.7	6.6
18...	0700	81341	17400	89	85	6.7	6.5
MAR							
25...	1000	80020	23200	76	80	7.1	7.3
25...	1010	81341	23200	76	74	7.1	6.7
APR							
08...	0740	81341	24400	78	78	6.6	6.6
MAY							
20...	0800	80020	5010	159	162	7.6	7.6
20...	0810	81341	5010	159	149	7.6	7.2
JUN							
16...	0740	81341	8820	119	115	7.0	6.8
JUL							
29...	0900	80020	8520	148	151	7.2	7.2
29...	0910	81341	5280	148	148	7.2	7.1
AUG							
05...	0810	81341	4990	152	155	7.2	7.1
SEP							
02...	0830	80020	19300	87	88	6.8	7.1
02...	0840	81341	19300	87	84	6.8	6.6

ALTAMAHA RIVER BASIN

02226160 ALTAMAHA RIVER NEAR EVERETT CITY, GA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER)	TEMPER- ATURE WATER (DEG C)	TEMPER- ATURE AIR (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)	BICAR- BONATE WATER DIS IT FIELD MG/L AS HCO3	ALKA- LINITY WAT DIS TOT IT FIELD MG/L AS CACO3	ALKA- LINITY WAT WH TOT FET LAB MG/L AS CACO3	ALKA- LINITY WAT.DIS FET LAB CACO3 (MG/L)
OCT									
10...	81341	21.0	19.5	6.5	73	-	-	49	-
NOV									
06...	80020	16.0	13.5	8.3	84	68	56	-	61
06...	81341	16.0	13.5	8.3	84	-	-	55	-
DEC									
16...	81341	12.5	2.0	8.4	78	-	-	37	-
FEB									
05...	81341	11.5	16.0	8.6	80	-	-	10	-
18...	81341	13.5	14.0	7.7	73	-	-	13	-
MAR									
25...	80020	15.0	16.5	8.6	85	20	17	-	17
25...	81341	15.0	16.5	8.6	85	-	-	17	-
APR									
08...	81341	15.0	15.0	6.7	66	-	-	16	-
MAY									
20...	80020	25.0	23.0	6.8	82	47	39	-	39
20...	81341	25.0	23.0	6.8	82	-	-	36	-
JUN									
16...	81341	26.0	25.5	5.8	71	-	-	23	-
JUL									
29...	80020	29.0	30.5	6.4	83	37	31	-	35
29...	81341	29.0	30.5	6.4	83	-	-	31	-
AUG									
05...	81341	29.0	25.0	4.9	63	-	-	33	-
SEP									
02...	80020	26.0	27.0	5.3	65	26	22	-	25
02...	81341	26.0	27.0	5.3	65	-	-	22	-

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD- NESS TOTAL (MG/L AS CACO3)
OCT								
10...	81341	60	8.0	0.9	70	-	-	-
NOV								
06...	80020	-	5.5	-	-	26	K6000	47
06...	81341	80	7.0	1.3	20	-	-	-
DEC								
16...	81341	50	10	0.8	-	-	-	-
FEB								
05...	81341	90	11	1.1	80	-	-	-
18...	81341	50	11	0.7	130	-	-	-
MAR								
25...	80020	-	9.5	-	-	40	K1100	20
25...	81341	-	12	1.2	70	-	-	-
APR								
08...	81341	60	11	1.5	50	-	-	-
MAY								
20...	80020	-	11	-	-	K20	230	35
20...	81341	50	17	1.0	20	-	-	-
JUN								
16...	81341	100	18	0.5	-	-	-	-
JUL								
29...	80020	-	13	-	-	34	65	31
29...	81341	-	16	1.9	20	-	-	-
AUG								
05...	81341	90	16	2.8	170	-	-	-
SEP								
02...	80020	-	11	-	-	110	460	22
02...	81341	140	14	0.8	220	-	-	-

ALTAMAHA RIVER BASIN

02226160 ALTAMAHA RIVER NEAR EVERETT CITY, GA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)
NOV 06...	80020	15	2.4	32	58	2	2.7
MAR 25...	80020	5.6	1.5	7.7	43	0.7	1.7
MAY 20...	80020	11	1.9	18	51	1	2.1
JUL 29...	80020	9.6	1.8	18	54	1	1.8
SEP 02...	80020	6.2	1.5	7.7	41	0.7	2.0

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER DAY)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SiO2)
NOV 06...	80020	157	150	1140	0.21	28	22	0.20	11
MAR 25...	80020	46	46	2880	0.06	6.2	6.1	<0.10	7.2
MAY 20...	80020	113	99	1530	0.15	17	12	<0.10	11
JUL 29...	80020	104	91	2390	0.14	17	12	<0.10	11
SEP 02...	80020	72	56	3750	0.10	6.6	6.4	<0.10	11

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)
OCT 10...	81341	—	0.430	—	0.110	—	—
NOV 06...	80020	<0.010	0.650	0.590	0.050	<0.010	0.060
NOV 06...	81341	—	0.660	—	0.040	—	—
DEC 16...	81341	—	0.600	—	<0.030	—	—
FEB 05...	81341	—	0.080	—	<0.030	—	—
FEB 18...	81341	—	0.130	—	<0.030	—	—
MAR 25...	80020	—	—	—	—	—	—
MAR 25...	81341	—	0.140	—	<0.030	—	—
APR 08...	81341	—	0.150	—	0.030	—	—
MAY 20...	80020	<0.010	0.590	0.590	0.020	<0.010	0.030
MAY 20...	81341	—	0.640	—	<0.030	—	—
JUN 16...	81341	—	0.420	—	0.030	—	—
JUL 29...	80020	0.010	0.370	0.380	0.050	<0.010	0.040
JUL 29...	81341	—	0.340	—	0.170	—	—
AUG 05...	81341	—	0.340	—	<0.030	—	—
SEP 02...	80020	<0.010	0.140	0.110	0.030	0.010	0.030
SEP 02...	81341	—	0.100	—	<0.030	—	—

ALTAMAHA RIVER BASIN

02226160 ALTAMAHA RIVER NEAR EVERETT CITY, GA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	PHOS- PHORUS DIS- SOLVED (MG/L AS P)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT							
10...	81341	--	--	0.100	--	--	10
NOV							
06...	80020	0.25	0.30	0.050	0.030	0.040	--
06...	81341	--	--	0.100	--	--	4.8
DEC							
16...	81341	--	--	0.050	--	--	4.5
FEB							
05...	81341	--	--	0.030	--	--	11
18...	81341	--	--	0.080	--	--	11
MAR							
25...	80020	--	--	--	--	--	--
25...	81341	--	--	0.060	--	--	11
APR							
08...	81341	--	--	0.090	--	--	13
MAY							
20...	80020	0.48	0.50	0.080	0.040	0.020	--
20...	81341	--	--	0.160	--	--	5.0
JUN							
16...	81341	--	--	0.110	--	--	9.0
JUL							
29...	80020	0.25	0.30	0.040	0.020	0.020	--
29...	81341	--	--	0.150	--	--	10
AUG							
05...	81341	--	--	0.150	--	--	7.0
SEP							
02...	80020	0.47	0.50	0.060	0.030	0.010	--
02...	81341	--	--	0.050	--	--	12

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER)	ALUM- INUM, DIS- SOLVED (UG/L AS AL)	BARIUM, DIS- SOLVED (UG/L AS BA)	COBALT, DIS- SOLVED (UG/L AS CO)	IRON, DIS- SOLVED (UG/L AS FE)	LITHIUM DIS- SOLVED (UG/L AS LI)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)
NOV							
06...	80020	70	28	<3	180	<4	53
MAY							
20...	80020	70	28	<3	320	<4	24
SEP							
02...	80020	100	34	<3	830	<4	45

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO)	NICKEL, DIS- SOLVED (UG/L AS NI)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	SILVER, DIS- SOLVED (UG/L AS AG)	STRON- TIUM, DIS- SOLVED (UG/L AS SR)	VANA- DIUM, DIS- SOLVED (UG/L AS V)
NOV							
06...	80020	<10	1	<1	<1.0	62	7
MAY							
20...	80020	<10	<1	<1	<1.0	49	<6
SEP							
02...	80020	<10	2	<1	<1.0	35	<6

ALTAMAHA RIVER BASIN

02226160 ALTAMAHA RIVER NEAR EVERETT CITY, GA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

WATER-QUALITY DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

		AGENCY ANA- LYZING SAMPLE (CODE NUMBER)	DIS- CHARGE, INST. CUBIC FEET PER SECOND	TEMPER- ATURE WATER (DEG C)	SEDI- MENT, SUS- PENDE (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM				
DATE	TIME										
NOV 06...	0835	84213	2700	16.0	9	66	49				
FEB 05...	1005	84213	23800	11.5	11	707	69				
MAR 25...	1005	84213	23200	15.0	12	752	83				
MAY 20...	0805	84213	5010	25.0	18	243	95				
JUL 29...	0905	84213	5280	29.0	17	242	84				
SEP 02...	0835	84213	19300	26.0	10	521	95				
DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER)	DIS- CHARGE, INST. CUBIC FEET PER SECOND	GROSS ALPHA, DIS- SOLVED (UG/L AS U-NAT)	GROSS ALPHA, SUSP. TOTAL (UG/L AS U-NAT)	GROSS BETA, DIS- SOLVED (PCI/L AS CS-137)	GROSS BETA, SUSP. TOTAL (PCI/L AS CS-137)	GROSS BETA, DIS- SOLVED (PCI/L AS SR/ YT-90)	GROSS BETA, SUSP. TOTAL (PCI/L AS SR/ YT-90)	RADIUM 226, DIS- SOLVED, RADON METHOD (PCI/L)	URANIUM NATURAL DIS- SOLVED (UG/L AS U)
MAY 20...	0800	80020	5010	<0.6	<0.6	1.9	<0.6	1.6	<0.6	0.05	0.05

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 National Geodetic Vertical Datum of 1929 (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 1991 TO SEPTEMBER 1992

Date	Elevation (feet)*	Contents (acre-feet)	Change in contents	
			(acre-feet)	(equivalent in cubic feet per second)
Sept. 30.....	528.6	100000	-	-
Oct. 31.....	527.4	94800	-5200	-85
Nov. 30.....	524.7	83800	-11000	-185
Dec. 31.....	522.2	74700	-9100	-148
CAL YR 1991	-	-	+5600	+8
Jan. 31.....	522.8	76800	+2100	+34
Feb. 29.....	526.1	89400	+12600	+219
Mar. 31.....	526.3	90200	+800	+13
Apr. 30.....	528.3	98800	+8600	+145
May 31.....	528.7	101000	+2200	+36
June 30.....	528.7	101000	0	+0
July 31.....	528.5	99800	-1200	-20
Aug. 31.....	528.6	100000	+200	+3
Sept. 30.....	529.4	104000	+4000	+67
WTR YR 1992	-	-	+4000	+6

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 National Geodetic Vertical Datum of 1929 (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 1991 TO SEPTEMBER 1992

Date	Elevation (feet)*	Contents (acre-feet)	Change in contents	
			(acre-feet)	(equivalent in cubic feet per second)
Sept. 30.....	434.5	351000	-	-
Oct. 31.....	434.5	351000	0	0
Nov. 30.....	434.3	347400	-3600	-60
Dec. 31.....	434.0	342000	-5400	-88
CAL YR 1991	-	-	+19700	+27
Jan. 31.....	434.2	345600	+3600	+59
Feb. 29.....	433.2	345600	0	0
Mar. 31.....	434.3	347400	+1800	+29
Apr. 30.....	434.6	352800	+5400	+91
May 31.....	434.6	352800	0	0
June 30.....	434.5	351000	-1800	-30
July 31.....	434.3	347400	-3600	-59
Aug. 31.....	434.6	352800	+5400	+88
Sept. 30.....	434.5	351000	-1800	-30
WTR YR 1992	-	-	0	0

*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 National Geodetic Vertical Datum of 1929 (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 1991 TO SEPTEMBER 1992

Date	Elevation (feet)*	Contents (acre-feet)	(acre-feet)	Change in contents (equivalent in cubic feet per second)
Sept. 30.....	338.2	307000	-	-
Oct. 31.....	338.5	311500	+4500	+73
Nov. 30.....	338.8	316000	+4500	+76
Dec. 31.....	338.9	317500	+1500	+24
CAL YR 1991	-	-	+6000	+8
Jan. 31.....	338.7	314500	-3000	-49
Feb. 29.....	338.8	316000	+1500	+26
Mar. 31.....	338.5	311500	-4500	-73
Apr. 30.....	338.4	310000	-1500	-25
May 31.....	338.3	308500	-1500	-24
June 30.....	338.4	310000	+1500	+25
July 31.....	338.7	314500	+4500	+73
Aug. 31.....	338.5	311500	-3000	-49
Sept. 30.....	338.9	317500	+6000	+101
WTR YR 1992	-	-	+10500	+14

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

BRUNSWICK RIVER BASIN

02226177 TURTLE RIVER AT GEORGIA HIGHWAY 303 AT BRUNSWICK, GA.

LOCATION.--Lat 31°11'13", long 81°31'55", Glynn County, Hydrologic Unit 03070203, at downstream side of bridge on State Highway 303, and 1.7 mi southwest of the junction of U.S. Highway 341 and State 303, 3.5 mi northwest of Brunswick Post Office, and 1.6 mi west of Arco.

PERIOD OF RECORD.--May 1988 to current year.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929 (levels by U.S. Army Corps of Engineers).

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation recorded, 7.08 ft, Sept. 24, 1992; minimum elevation recorded, -7.20 ft, Apr. 7, 1989.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 7.08 ft, Sept. 24; minimum elevation, -6.05 ft, Jan. 21.

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	5.43	-1.95	5.55	-2.36	4.29	-3.81	5.08	-1.83	3.66	-3.86	3.56	-3.82
2	5.55	-1.98	5.65	-2.96	4.26	-4.06	5.33	-2.32	4.54	-3.53	3.76	-3.94
3	5.14	-3.28	5.72	-2.87	4.27	-4.67	5.24	-3.11	4.31	-3.60	3.77	-4.14
4	5.31	-3.55	5.42	-3.29	3.54	-5.74	4.57	-3.19	4.31	-3.73	4.39	-4.06
5	5.43	-3.72	5.65	-3.32	4.44	-4.03	4.66	-3.37	4.91	-3.50	4.82	-3.80
6	5.11	-4.33	6.10	-2.79	4.41	-3.78	4.84	-3.27	5.38	-1.82	4.50	-3.99
7	5.79	-3.92	5.93	-2.81	4.14	-3.92	4.66	-3.07	5.06	-2.85	4.36	-4.12
8	6.23	-3.37	5.45	-2.79	3.84	-4.15	4.58	-3.11	4.59	-3.42	4.17	-4.36
9	6.22	-2.79	5.82	-1.72	3.67	-3.91	4.14	-3.73	4.23	-3.12	4.31	-3.67
10	5.73	-2.95	5.26	-2.15	3.44	-3.71	3.45	-4.21	4.54	-1.65	4.36	-3.23
11	5.28	-2.86	4.51	-2.06	4.03	-2.38	3.66	-2.87	4.69	-2.33	3.85	-5.18
12	4.50	-2.76	4.36	-1.82	3.79	-2.60	3.73	-2.69	4.37	-2.13	3.35	-3.43
13	4.43	-2.16	4.18	-1.54	3.52	-2.85	4.01	-2.59	4.84	-2.74	3.13	-3.94
14	4.35	-1.41	3.71	-1.85	3.14	-3.55	4.24	-4.08	4.59	-3.94	4.16	-4.19
15	4.20	-1.18	3.32	-2.45	2.88	-3.04	3.63	-4.12	4.81	-4.69	3.95	-4.91
16	3.85	-1.43	3.21	-3.16	3.04	-3.35	3.54	-4.65	5.06	-4.79	4.73	-5.03
17	4.04	-1.87	3.66	-2.68	3.71	-4.47	4.50	-4.97	5.30	-5.58	5.03	-5.06
18	3.70	-2.43	4.77	-3.52	3.65	-5.28	4.48	-5.49	5.82	-5.22	5.03	-5.65
19	4.03	-2.93	4.75	-3.79	5.26	-5.37	5.70	-5.41	5.32	-5.43	4.76	-5.68
20	4.57	-2.77	4.82	-4.23	5.41	-3.71	5.60	-5.13	4.84	-5.60	5.11	-5.61
21	5.29	-2.63	4.98	-4.77	5.41	-4.84	5.28	-6.05	4.76	-5.01	4.98	-4.69
22	5.53	-2.93	5.07	-4.70	5.33	-5.72	5.08	-5.38	4.74	-4.33	4.60	-4.34
23	5.63	-3.53	5.15	-5.10	5.55	-5.32	4.78	-5.17	4.47	-3.99	4.55	-3.61
24	5.67	-3.74	4.62	-4.99	4.82	-5.20	3.84	-5.75	4.04	-3.09	4.80	-1.87
25	5.78	-3.58	4.64	-4.94	5.42	-4.15	3.39	-4.44	3.84	-2.35	4.31	-1.85
26	5.92	-3.46	5.00	-3.96	5.22	-3.73	3.28	-4.21	3.44	-3.39	3.71	-2.73
27	5.90	-2.91	5.20	-2.81	4.35	-3.26	3.62	-2.65	2.96	-3.28	3.23	-3.12
28	5.81	-2.44	4.73	-2.90	4.39	-2.96	3.62	-2.65	3.44	-3.67	3.21	-2.57
29	6.10	-7.0	4.30	-3.31	4.31	-3.55	3.97	-2.42	2.50	-3.91	3.20	-3.20
30	5.60	-2.18	4.28	-3.45	3.52	-3.60	4.21	-2.53	--	--	3.74	-3.03
31	5.56	-2.84	--	--	4.36	-2.71	4.13	-3.64	--	--	3.77	-3.74
MONTH	6.23	-4.33	6.10	-5.10	5.55	-5.74	5.70	-6.05	5.82	-5.60	5.11	-5.68

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 National Geodetic Vertical Datum of 1929 (levels by U.S. Army Corps of Engineers).

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation recorded, 6.65 ft, Sept. 24, 1992; minimum elevation recorded, -7.08 ft, Apr. 7, 1989.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 6.65 ft, Sept. 24; minimum elevation, -5.93 ft, Jan. 21.

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	5.03	-1.97	5.10	-2.20	3.87	-3.77	4.69	-1.75	3.22	-3.84	3.10	-3.79
2	5.17	-1.92	5.23	-2.73	3.84	-4.00	4.91	-2.16	4.12	-3.43	3.33	-3.89
3	4.71	-3.14	5.31	-2.64	3.83	-4.90	4.81	-2.86	3.88	-3.57	3.32	-4.19
4	4.89	-3.46	5.03	-3.09	3.12	-5.70	4.15	-3.22	3.87	-3.66	3.92	-4.08
5	4.98	-3.62	5.22	-3.13	4.02	-3.97	4.26	-3.28	4.48	-3.42	4.38	-3.75
6	4.69	-4.15	5.67	-2.65	3.98	-3.73	4.42	-3.08	5.02	-1.62	4.05	-3.97
7	5.37	-3.78	5.50	-2.60	3.72	-3.85	4.24	-2.95	4.59	-2.61	3.91	-4.06
8	5.80	-3.14	5.03	-2.61	3.40	-4.12	4.21	-2.93	3.90	-3.37	3.73	-4.32
9	5.78	-2.57	5.49	-1.56	3.23	-3.82	3.72	-3.59	4.03	-2.98	3.93	-3.61
10	5.31	-2.79	4.84	-2.00	3.05	-3.66	3.06	-4.12	4.18	-1.56	3.90	-3.37
11	4.85	-2.73	4.10	-2.01	3.64	-2.34	3.26	-2.80	4.27	-2.39	3.48	-5.04
12	4.07	-2.63	3.96	-1.71	3.42	-2.53	3.37	-2.56	3.96	-2.21	2.98	-3.70
13	4.02	-2.09	3.77	-1.61	3.10	-2.84	3.59	-2.72	4.43	-2.82	2.70	-3.95
14	3.94	-1.41	3.31	-1.93	2.69	-3.64	3.82	-4.18	4.16	-3.98	3.72	-4.21
15	3.80	-1.28	2.93	-2.61	2.46	-3.10	3.20	-4.14	4.36	-4.72	3.52	-4.93
16	3.48	-1.53	2.83	-3.19	2.62	-3.40	3.09	-4.63	4.61	-4.69	4.30	-4.98
17	3.62	-1.96	3.23	-2.72	3.29	-4.46	4.05	-5.18	4.89	-5.48	4.57	-4.95
18	3.29	-2.42	4.33	-3.45	3.23	-5.33	4.05	-5.48	5.39	-5.03	4.54	-5.51
19	3.62	-2.86	4.31	-3.91	4.86	-5.38	5.26	-5.37	4.88	-5.31	4.36	-5.60
20	4.15	-2.67	4.37	-4.12	5.00	-3.63	5.17	-4.97	4.40	-5.46	4.63	-5.46
21	4.84	-2.50	4.53	-4.67	4.96	-4.71	4.81	-5.93	4.29	-4.90	4.56	-4.59
22	5.08	-2.80	4.61	-4.63	4.89	-5.61	4.61	-5.24	4.05	-4.24	4.13	-4.29
23	5.17	-3.37	4.72	-5.01	5.10	-5.21	4.31	-5.10	4.05	-3.88	4.26	-3.55
24	5.24	-3.60	4.26	-4.89	4.38	-5.15	3.30	-5.68	3.61	-3.04	4.37	-1.85
25	5.32	-3.36	4.21	-4.86	5.01	-4.07	2.92	-4.37	3.42	-2.49	3.88	-1.86
26	5.47	-3.26	4.56	-3.93	4.82	-3.54	2.85	-4.24	3.04	-3.59	3.31	-2.85
27	5.46	-2.78	4.78	-2.67	3.92	-3.22	3.21	-3.00	2.52	-3.27	2.84	-3.27
28	5.37	-2.39	4.29	-2.86	3.95	-2.92	3.24	-2.75	3.01	-3.73	2.74	-2.71
29	5.71	-.62	3.85	-3.38	3.90	-3.60	3.60	-2.47	2.03	-4.02	2.78	-3.24
30	5.13	-2.11	3.87	-3.42	3.12	-3.64	3.81	-2.61	---	---	3.28	-3.09
31	5.12	-2.70	---	---	3.95	-2.67	3.75	-3.69	---	---	3.44	-3.76
MONTH	5.80	-4.15	5.67	-5.01	5.10	-5.70	5.26	-5.93	5.39	-5.48	4.63	-5.60

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 National Geodetic Vertical Datum of 1929 (levels by U.S. Army Corps of Engineers).

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation recorded, 6.71 ft, Sept. 24, 1992; minimum elevation recorded, -7.21 ft, Apr. 7, 1989.

EXTREMES FOR CURRENT YEAR.--Maximum elevation recorded, 6.71 ft, Sept. 24; minimum elevation recorded, -5.97 ft, Jan. 21.

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	5.16	-1.95	5.23	-2.27	3.99	-3.79	4.80	-1.74	3.34	-3.87	3.25	-3.79
2	5.29	-1.92	5.34	-2.82	3.94	-4.07	5.07	-2.20	4.24	-3.50	3.50	-3.90
3	4.83	-3.20	5.42	-2.69	3.94	-4.83	4.93	-2.96	3.98	-3.61	3.45	-4.17
4	5.00	-3.48	5.14	-3.16	3.20	-5.74	4.25	-3.23	4.01	-3.71	4.08	-4.08
5	5.11	-3.70	5.33	-3.18	4.15	-3.99	4.36	-3.33	4.65	-3.47	4.53	-3.80
6	4.79	-4.26	5.80	-2.68	4.12	-3.76	4.55	-3.18	5.15	-1.68	4.20	-3.99
7	5.50	-3.85	5.65	-2.69	3.84	-3.88	4.36	-2.99	4.75	-2.74	4.09	-4.04
8	5.91	-3.24	5.16	-2.71	3.54	-4.14	4.30	-3.03	4.16	-3.40	3.87	-4.34
9	5.91	-2.63	5.58	-1.56	3.37	-3.88	3.84	-3.67	4.07	-3.04	4.09	-3.61
10	5.42	-2.84	4.96	-2.06	3.17	-3.70	3.15	-4.21	4.31	-1.58	4.10	-3.32
11	4.95	-2.78	4.23	-2.01	3.76	-2.34	3.43	-2.85	4.41	-2.37	3.58	-5.08
12	4.20	-2.66	4.07	-1.75	3.53	-2.57	3.47	-2.65	4.08	-2.21	3.06	-3.58
13	4.13	-2.11	3.92	-1.57	3.23	-2.86	3.72	-2.66	4.54	-2.83	2.85	-3.94
14	4.09	-1.41	3.43	-1.89	2.83	-3.62	3.91	-4.17	4.28	-3.96	3.89	-4.21
15	3.92	-1.22	3.06	-2.53	2.60	-3.08	3.33	-4.17	4.48	-4.74	3.68	-4.92
16	3.59	-1.50	2.92	-3.19	2.75	-3.40	3.24	-4.61	4.74	-4.78	4.43	-4.99
17	3.78	-1.93	3.36	-2.72	3.41	-4.45	4.17	-5.09	4.96	-5.54	4.70	-5.01
18	3.42	-2.41	4.51	-3.46	3.35	-5.32	4.15	-5.48	5.47	-5.10	4.69	-5.55
19	3.74	-2.90	4.46	-3.88	4.98	-5.37	5.40	-5.39	4.97	-5.36	4.45	-5.67
20	4.30	-2.68	4.51	-4.20	5.16	-3.67	5.28	-5.05	4.54	-5.52	4.80	-5.55
21	5.00	-2.51	4.65	-4.73	5.09	--	4.94	-5.97	4.46	-4.96	4.67	-4.62
22	5.23	-2.82	4.74	-4.68	5.01	-5.70	4.74	-5.33	4.36	-4.29	4.28	-4.33
23	5.31	-3.40	4.83	-5.04	5.22	-5.28	4.43	-5.14	4.18	-3.95	4.34	-3.51
24	5.37	-3.62	4.33	-4.98	4.51	-5.18	3.49	-5.71	3.76	-3.03	4.54	-1.81
25	5.45	-3.42	4.33	-4.91	5.13	-4.09	3.09	-4.43	3.57	-2.45	4.05	-1.84
26	5.59	-3.32	4.70	-3.97	4.92	-3.58	2.96	-4.23	3.14	-3.49	3.47	-2.78
27	5.60	-2.82	4.92	-2.71	4.05	-3.24	3.33	-2.93	2.69	-3.26	2.99	-3.18
28	5.51	-2.38	4.43	-2.88	4.10	-2.95	3.34	-2.72	3.16	-3.67	2.92	-2.62
29	5.83	-.62	4.02	-3.36	4.01	-3.59	3.73	-2.43	2.25	-3.99	2.95	-3.21
30	5.31	-2.09	3.99	-3.44	3.23	-3.63	3.93	-2.62	--	--	3.44	-3.05
31	5.25	-2.73	--	--	4.05	-2.71	3.83	-3.66	--	--	3.50	-3.71
MONTH	5.91	-4.26	5.80	-5.04	5.22	--	5.40	-5.97	5.47	-5.54	4.80	-5.67

BRUNSWICK RIVER BASIN

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

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	4.19	-3.90	5.15	-3.51	5.83	-3.83	5.64	-5.08	4.84	-5.57	4.37	-4.44
2	4.24	-4.16	4.86	-4.12	5.90	-3.85	5.75	-5.00	4.51	-4.91	4.13	-3.87
3	4.88	-3.80	4.80	-4.84	6.18	-3.86	5.48	-4.74	4.48	-4.41	3.87	-3.22
4	4.16	-4.08	5.33	-4.56	5.53	-4.13	5.30	-4.25	3.95	-4.43	3.56	-3.08
5	4.65	-3.52	4.89	-4.18	5.42	-4.12	5.06	-4.14	3.88	-4.28	3.47	-3.14
6	4.62	-3.88	5.38	-3.56	5.15	-3.89	4.42	-4.12	3.91	-3.54	3.42	-3.05
7	4.35	-3.53	5.46	-3.06	4.77	-3.60	4.29	-3.88	4.16	-3.09	3.69	-2.88
8	4.35	-3.35	4.75	-3.77	4.59	-3.46	4.36	-3.38	4.08	-3.03	3.98	-2.87
9	4.33	-3.09	4.24	-3.88	4.52	-3.64	4.20	-3.67	3.99	-3.15	4.21	-2.84
10	4.31	-2.98	4.04	-3.84	4.69	-4.15	4.19	-3.86	4.02	-3.29	4.16	-3.00
11	4.27	-3.11	4.42	-3.78	5.52	-3.21	4.28	-3.70	3.99	-3.61	4.16	-3.17
12	4.23	-3.67	4.83	-3.79	5.69	-2.90	4.24	-3.89	3.86	-4.01	4.73	-3.38
13	5.33	-2.17	5.43	-3.80	5.85	-2.62	4.22	-4.15	3.76	-3.92	5.02	-2.18
14	5.32	-3.54	5.63	-3.33	5.35	-3.07	4.20	-3.94	3.69	-4.10	5.15	-2.51
15	5.39	-4.20	5.34	-3.84	5.16	-3.20	3.98	-3.90	3.69	-3.98	5.11	-1.85
16	5.23	-4.75	5.16	-4.17	4.94	-3.26	3.84	-3.99	3.90	-3.58	4.82	-2.24
17	5.17	-4.79	5.00	-3.89	5.11	-2.84	3.58	-3.85	3.91	-3.21	4.35	-2.71
18	4.99	-4.62	4.92	-3.58	4.37	-2.38	3.64	-3.65	4.10	-3.10	4.24	-2.66
19	4.89	-4.14	4.62	-3.27	4.06	-2.84	3.43	-3.44	4.07	-2.93	4.00	-2.86
20	4.54	-3.54	4.76	-2.80	4.02	-2.75	3.49	-3.56	4.12	-2.65	4.55	-2.60
21	4.40	-3.46	4.75	-1.68	3.90	-2.81	3.61	-3.22	4.24	-2.67	4.85	-2.74
22	3.85	-3.14	4.73	-1.37	4.20	-2.38	3.62	-2.98	4.44	-2.47	5.09	-3.32
23	3.38	-2.81	4.33	-1.94	4.31	-1.75	3.75	-2.97	4.72	-2.80	5.45	-3.81
24	3.01	-2.75	3.63	-2.51	4.29	-2.28	3.92	-3.19	4.87	-3.32	6.71	-2.89
25	2.91	-2.84	3.52	-2.40	4.17	-2.90	3.93	-3.71	4.98	-4.00	6.63	-2.74
26	3.45	-2.22	4.10	-2.35	4.49	-3.37	4.53	-4.09	5.23	-4.74	6.55	-3.55
27	3.78	-2.31	4.55	-2.11	4.64	-3.47	4.86	-4.40	5.40	-5.12	6.17	-3.83
28	3.85	-2.66	4.95	-1.88	5.40	-3.49	4.97	-5.37	4.88	-5.83	6.16	-3.39
29	4.70	-2.19	5.26	-2.79	6.00	-3.61	5.49	-5.18	4.86	-5.63	5.90	-2.95
30	4.85	-3.17	4.88	-3.58	6.11	-4.08	5.33	-5.27	4.92	-5.24	5.96	-1.81
31	--	--	5.35	-4.15	--	--	5.06	-5.28	4.78	-4.75	--	--
MONTH	5.39	-4.79	5.63	-4.84	6.18	-4.15	5.75	-5.37	5.40	-5.83	6.71	-4.44

BRUNSWICK RIVER BASIN

022261796 BRUNSWICK RIVER AT JEKYLL ISLAND NEAR BRUNSWICK, GA.
(Formerly published as Brunswick River (Clam Creek Road-Jekyll Island) near Brunswick, Ga.)

LOCATION.--Lat 31°07'02", long 81°25'04", Glynn County, Hydrologic Unit 03070203, on landward side of Jekyll Island fishing pier, at north end of Jekyll Island on Clam Creek Road, 5.0 mi southeast of Brunswick Post Office.

PERIOD OF RECORD.--June 1988 to current year.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929 (levels by U.S. Army Corps of Engineers).

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation recorded, 6.24 ft, Sept. 24, 1992; minimum elevation recorded, -6.78 ft, Apr. 7, 1989.

EXTREMES FOR CURRENT YEAR.--Maximum elevation recorded, 6.24 ft, Sept. 24; minimum elevation recorded, -5.68 ft, Jan. 21.

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	4.71	-1.82	4.84	-1.97	3.60	-3.63	4.43	-1.89	2.92	-3.70	2.79	-3.64
2	4.94	-1.72	5.08	-2.44	3.57	-3.84	4.65	-2.05	3.85	-3.27	3.03	-3.77
3	4.43	-2.91	5.00	-2.69	3.52	-4.94	4.56	-2.62	3.62	-3.37	2.97	-3.96
4	4.56	-3.21	4.79	-2.82	2.81	-5.48	3.90	-3.10	3.62	-3.45	3.64	-3.91
5	4.63	-3.39	4.99	-2.90	3.75	-3.76	3.98	-3.10	4.22	-3.23	4.10	-3.53
6	4.39	-3.84	5.29	-2.42	3.75	-3.58	4.15	-2.86	4.75	-1.37	3.76	-3.74
7	5.11	-3.58	5.20	-2.40	3.44	-3.69	3.98	-2.76	4.39	-2.33	3.61	-3.83
8	5.55	-2.91	4.77	-2.39	3.10	-3.97	3.94	-2.72	3.35	-3.17	3.43	-4.10
9	5.47	-2.33	5.19	-1.28	2.96	-3.66	3.46	-3.36	3.87	-2.81	3.64	-3.49
10	5.03	-2.49	4.59	-1.78	2.75	-3.52	2.79	-3.91	3.85	-1.53	3.49	-3.20
11	4.58	-2.45	3.86	-1.84	3.38	-2.19	2.98	-2.65	4.00	-2.25	3.18	-4.81
12	3.80	-2.45	3.72	-1.63	3.11	-2.37	3.10	-2.41	3.72	-2.12	2.60	-3.67
13	3.74	-2.10	3.51	-1.61	2.81	-2.75	3.34	-2.68	4.10	-2.76	2.36	-3.87
14	3.64	-1.35	3.01	-1.84	2.41	-3.62	3.56	-4.06	3.88	-3.85	3.43	-4.06
15	3.54	-1.30	2.64	-2.54	2.13	-3.04	2.92	-4.01	4.09	-4.54	3.23	-4.77
16	3.22	-1.51	2.52	-3.10	2.32	-3.29	2.84	-4.47	4.30	-4.50	3.99	-4.68
17	3.34	-1.94	2.95	-2.60	3.02	-4.31	3.81	-5.18	4.58	-5.27	4.30	-4.70
18	3.01	-2.27	4.05	-3.29	2.96	-5.19	3.82	-5.27	5.05	-4.74	4.28	-5.27
19	3.35	-2.67	4.03	-3.86	4.59	-5.07	4.97	-5.20	4.57	-5.00	4.00	-5.38
20	3.84	-2.53	4.15	-3.91	4.78	-3.53	4.91	-4.72	4.14	-5.20	4.33	-5.22
21	4.57	-2.29	4.24	-4.46	4.70	-4.51	4.58	-5.68	4.00	-4.67	4.48	-4.30
22	4.75	-2.52	4.43	-4.44	4.63	-5.42	4.36	-4.98	3.77	-4.00	--	--
23	4.89	-3.11	4.49	-4.81	4.85	-4.98	4.09	-4.80	3.72	-3.69	--	--
24	5.01	-3.34	4.06	-4.67	4.11	-4.95	2.81	-5.46	3.35	-2.92	--	--
25	5.03	-3.13	3.99	-4.69	4.75	-3.89	2.68	-4.18	3.12	-2.46	--	--
26	5.19	-3.03	4.34	-3.82	4.53	-3.33	2.49	-4.06	2.65	-3.57	--	--
27	5.12	-2.53	4.54	-2.47	3.65	-3.05	2.94	-3.00	2.21	-3.11	--	--
28	5.01	-2.22	4.11	-2.70	3.70	-2.81	2.96	-2.70	2.72	-3.65	--	--
29	5.38	-.65	3.59	-3.26	3.65	-3.52	3.31	-2.35	1.67	-3.95	--	--
30	4.95	-1.90	3.58	-3.29	2.87	-3.54	3.53	-2.46	--	--	--	--
31	4.90	-2.44	--	--	3.70	-2.46	3.51	-3.61	--	--	--	--
MONTH	5.55	-3.84	5.29	-4.81	4.85	-5.48	4.97	-5.68	5.05	-5.27	--	--

BRUNSWICK RIVER BASIN

022261796 BRUNSWICK RIVER AT JEKYLL ISLAND NEAR BRUNSWICK, GA.-- Continued

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	3.72	-3.70	4.60	-3.28	5.33	-3.60	5.17	-4.77	4.38	-5.22	4.01	-4.10
2	3.76	-4.00	4.37	-3.94	5.35	-3.62	5.30	-4.72	4.09	-4.61	3.71	-3.51
3	4.39	-3.65	4.31	-4.59	5.66	-3.68	5.02	-4.38	3.94	-4.18	3.47	-3.16
4	3.68	-3.88	4.80	-4.34	5.04	-3.77	4.59	-3.88	3.56	-4.11	3.09	-3.05
5	4.16	-3.44	4.39	-4.02	4.71	-3.83	4.52	-3.84	3.45	-4.06	3.10	-2.95
6	4.14	-3.78	4.97	-3.35	4.64	-3.64	3.94	-3.87	3.48	-3.36	3.01	-3.01
7	3.90	-3.30	4.90	-2.88	4.32	-3.37	3.89	-3.77	3.74	-3.00	3.32	-2.87
8	3.83	-3.20	4.33	-3.59	4.08	-3.32	3.86	-3.31	3.66	-2.88	3.60	-2.68
9	3.83	-2.96	3.76	-3.76	4.03	-3.48	3.74	-3.51	3.56	-3.04	3.80	-2.60
10	3.83	-2.90	3.62	-3.74	4.26	-4.08	3.72	-3.82	3.57	-3.15	3.79	-2.82
11	3.79	-3.06	3.90	-3.64	5.01	-3.01	3.75	-3.64	3.62	-3.44	3.81	-2.90
12	3.77	-3.58	4.35	-3.63	5.17	-2.68	3.74	-3.85	3.42	-3.74	4.29	-3.07
13	4.74	-2.09	4.92	-3.58	5.34	-2.43	3.72	-4.00	3.36	-3.75	4.58	-1.89
14	4.81	-3.30	5.16	-3.13	4.84	-2.88	3.77	-3.86	3.30	-3.79	4.73	-2.23
15	4.91	-3.95	4.88	-3.70	4.67	-2.99	3.51	-3.76	3.28	-3.78	4.71	-1.46
16	4.75	-4.55	4.70	-3.98	4.48	-2.97	3.38	-3.89	3.58	-3.37	4.36	-1.94
17	4.67	-4.54	4.49	-3.66	4.60	-2.57	3.18	-3.66	3.55	-3.01	3.97	-2.48
18	4.49	-4.37	4.42	-3.35	3.93	-2.26	3.27	-3.38	3.71	-2.82	3.87	-2.38
19	4.39	-3.94	4.17	-3.05	3.67	-2.59	2.99	-3.29	3.66	-2.76	3.64	-2.84
20	4.06	-3.30	4.30	-2.56	3.47	-2.53	3.05	-3.34	3.75	-2.42	4.12	-2.54
21	3.35	-3.34	4.21	-1.52	3.46	-2.60	3.16	-3.03	3.78	-2.52	4.43	-2.61
22	3.20	-3.01	4.22	-1.27	3.77	-2.29	3.21	-2.94	4.01	-2.46	4.66	-3.03
23	2.87	-2.85	3.88	-1.87	3.84	-1.60	3.31	-2.95	4.26	-2.68	4.96	-3.48
24	2.50	-2.88	3.20	-2.43	3.83	-2.16	3.48	-3.18	4.34	-3.15	6.24	-2.39
25	2.33	-2.88	3.03	-2.44	3.69	-2.84	3.49	-3.68	4.54	-3.73	6.19	-2.37
26	2.98	-2.21	3.65	-2.30	4.02	-3.34	4.13	-3.84	4.79	-4.42	6.14	-3.23
27	3.29	-2.33	4.00	-2.05	4.18	-3.36	4.44	-4.13	4.97	-4.83	5.77	-3.42
28	3.34	-2.66	4.47	-1.79	4.92	-3.33	4.54	-5.09	4.55	-5.47	5.78	-3.00
29	4.16	-2.15	4.75	-2.61	5.52	-3.43	5.03	-4.88	4.46	-5.24	5.46	-2.56
30	4.32	-2.97	4.37	-3.38	5.64	-3.82	4.97	-4.89	4.49	-4.86	5.56	-1.47
31	---	---	4.87	-3.94	---	---	4.66	-4.95	4.38	-4.38	---	---
MONTH	4.91	-4.55	5.16	-4.59	5.66	-4.08	5.30	-5.09	4.97	-5.47	6.24	-4.10

BRUNSWICK RIVER BASIN

022261798 MAKAY RIVER AT TORRAS CAUSEWAY NEAR BRUNSWICK, GA.

LOCATION.--Lat 31°10'17", long 81°25'37", Glynn County, Hydrologic Unit 03070203, at downstream side of fish pier (Old Torros Causeway), 20 ft downstream of Torras Causeway, approximately 3.5 mi upstream of St. Simons Sound, and 4.2 mi east-northeast of Brunswick Post Office.

PERIOD OF RECORD.--July 1988 to current year.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929 (levels by U.S. Army Corps of Engineers).

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation recorded, 6.43 ft, Sept. 24, 1992; minimum elevation, -6.74 ft, Apr. 7, 1989.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 6.43 ft, Sept. 24; minimum elevation recorded, -5.62 ft, Jan. 21.

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	4.92	-1.78	5.00	-1.90	3.82	-3.57	4.63	-1.81	3.18	-3.66	3.07	-3.60
2	5.09	-1.65	5.14	-2.44	3.77	-3.79	4.86	-2.01	4.08	-3.25	3.31	-3.73
3	4.61	-2.88	5.19	-2.52	3.75	-4.78	4.78	-2.58	3.87	-3.34	3.31	-3.94
4	4.78	-3.19	4.94	-2.81	3.00	-5.48	4.14	-3.03	3.85	-3.43	3.91	-3.90
5	4.85	-3.35	5.13	-2.88	3.94	-3.79	4.19	-3.06	4.40	-3.20	4.35	-3.52
6	4.59	-3.82	5.54	-2.41	3.91	-3.53	4.37	-2.82	4.94	-1.36	4.07	-3.71
7	5.23	-3.51	5.40	-2.32	3.65	-3.65	4.18	-2.72	4.61	-2.31	3.92	-3.81
8	5.67	-2.85	4.94	-2.38	3.34	-3.95	4.14	-2.69	3.75	-3.13	3.72	-4.11
9	5.67	-2.31	5.36	-1.25	3.18	-3.63	3.69	-3.33	4.02	-2.78	3.92	-3.43
10	5.20	-2.47	4.81	-1.73	2.96	-3.49	3.02	-3.92	4.10	-1.40	3.84	-3.11
11	4.77	-2.42	4.07	-1.78	3.57	-2.15	3.21	-2.60	4.25	-2.22	3.54	-4.76
12	4.02	-2.39	3.92	-1.54	3.34	-2.34	3.34	-2.36	3.91	-2.07	2.85	-3.56
13	3.96	-1.97	3.72	-1.52	3.07	-2.68	3.57	-2.60	4.36	-2.70	2.64	-3.85
14	3.88	-1.25	3.25	-1.78	2.65	-3.55	3.78	-4.05	4.12	-3.82	3.67	-4.03
15	3.74	-1.20	2.88	-2.49	2.33	-3.01	3.14	-3.99	4.32	-4.47	3.52	-4.72
16	3.44	-1.38	2.72	-3.05	2.53	-3.26	3.05	-4.49	4.55	-4.50	4.23	-4.69
17	3.57	-1.87	3.19	-2.55	3.24	-4.27	4.02	-5.04	4.81	-5.24	4.51	-4.65
18	3.24	-2.25	4.29	-3.25	3.17	-5.17	4.00	-5.25	5.32	-4.69	4.51	-5.20
19	3.58	-2.64	4.22	-3.77	4.73	-5.12	5.14	-5.15	4.82	-4.95	4.35	-5.32
20	4.06	-2.41	4.29	-3.90	4.88	-3.50	5.10	-4.64	4.35	-5.15	4.61	-5.15
21	4.73	-2.24	4.44	-4.43	4.90	-4.45	4.79	-5.62	4.24	-4.64	4.52	-4.29
22	4.97	-2.45	4.51	-4.37	4.83	-5.37	4.58	-4.94	4.01	-4.00	4.12	-4.01
23	5.07	-3.06	4.61	-4.76	5.02	-4.90	4.27	-4.75	4.01	-3.67	4.25	-3.32
24	5.11	-3.31	4.19	-4.61	4.30	-4.87	3.11	-5.42	3.59	-2.84	4.33	-1.69
25	5.20	-3.08	4.14	-4.65	4.89	-3.83	2.91	-4.17	3.36	-2.34	3.86	-1.73
26	5.34	-2.98	4.47	-3.75	4.74	-3.28	2.79	-4.03	2.95	-3.47	3.31	-2.79
27	5.33	-2.53	4.68	-2.41	3.90	-3.02	3.18	-2.95	2.44	-3.03	2.78	-3.21
28	5.24	-2.17	4.23	-2.66	3.91	-2.74	3.20	-2.62	2.96	-3.55	2.68	-2.65
29	5.57	-1.56	3.80	-3.16	3.88	-3.48	3.51	-2.36	1.93	-3.91	2.66	-3.09
30	5.07	-1.84	3.81	-3.24	3.08	-3.50	3.81	-2.43	--	--	3.23	-2.93
31	5.03	-2.42	--	--	3.89	-2.49	3.72	-3.54	--	--	3.31	-3.45
MONTH	5.67	-3.82	5.54	-4.76	5.02	-5.48	5.14	-5.62	5.32	-5.24	4.61	-5.32

[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 National Geodetic Vertical Datum of 1929 (levels by U.S. Army Corps of Engineers).

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation recorded, 6.18 ft, Sept. 25, 1992; minimum elevation recorded, -6.74 ft, Apr. 7, 1989.

EXTREMES FOR CURRENT YEAR.--Maximum elevation recorded, 6.18 ft, Sept. 25; minimum elevation recorded, -5.57 ft, Jan. 21.

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	4.66	-1.76	4.82	-1.87	3.65	-3.53	4.38	-1.83	2.89	-3.60	2.70	-3.55
2	4.82	-1.65	4.90	-2.33	3.57	-3.73	4.59	-1.99	3.86	-3.20	2.96	-3.61
3	4.36	-2.82	5.01	-2.61	3.58	-4.95	4.68	-2.47	3.60	-3.26	2.93	-3.91
4	4.58	-3.13	4.75	-2.71	2.75	-5.40	4.02	-3.01	3.63	-3.35	3.63	-3.82
5	4.59	-3.31	4.97	-2.78	3.84	-3.70	4.00	-3.00	4.11	-3.12	4.01	-3.45
6	4.40	-3.73	5.38	-2.34	3.72	-3.44	4.16	-2.76	4.77	-1.28	3.77	-3.64
7	5.06	-3.41	5.27	-2.25	3.46	-3.58	3.97	-2.65	4.42	-2.25	3.62	-3.72
8	5.55	-2.79	4.76	-2.30	3.12	-3.87	3.94	-2.60	3.35	-3.06	3.43	-4.03
9	5.53	-2.26	5.27	-1.21	2.92	-3.56	3.50	-3.24	3.77	-2.68	3.68	-3.37
10	4.99	-2.42	4.57	-1.69	2.75	-3.45	2.79	-3.81	3.82	-1.42	3.37	-3.13
11	4.55	-2.38	3.90	-1.76	3.39	-2.10	2.97	-2.58	3.97	-2.22	3.15	-4.68
12	3.82	-2.34	3.68	-1.57	3.06	-2.27	3.08	-2.33	3.61	-2.06	2.52	-3.61
13	3.74	-2.05	3.48	-1.54	2.78	-2.67	3.33	-2.62	4.17	-2.66	2.27	-3.82
14	3.66	-1.29	2.97	-1.79	2.38	-3.54	3.59	-3.99	3.87	-3.77	3.38	-3.97
15	3.50	-1.23	2.61	-2.48	2.10	-2.98	2.87	-3.90	4.11	-4.43	3.27	-4.64
16	3.18	-1.43	2.47	-2.99	2.26	-3.23	2.80	-4.42	4.35	-4.40	3.95	-4.58
17	3.31	-1.85	2.94	-2.53	2.98	-4.23	3.81	-5.11	4.55	-5.17	4.29	-4.61
18	2.98	-2.21	4.13	-3.17	2.89	-5.11	3.78	-5.19	5.15	-4.62	4.22	-5.15
19	3.32	-2.57	4.05	-3.78	4.58	-4.89	5.00	-5.10	4.62	-4.90	3.98	-5.30
20	3.89	-2.39	4.11	-3.83	4.70	-3.42	4.94	-4.59	4.13	-5.10	4.32	-5.07
21	4.54	-2.18	4.29	-4.35	4.76	-4.36	4.63	-5.57	4.01	-4.57	4.23	-4.21
22	4.73	-2.39	4.35	-4.31	4.73	-5.29	4.33	-4.68	3.78	-3.92	3.87	-3.95
23	4.88	-2.99	4.48	-4.70	4.88	-4.83	4.04	-4.71	3.48	-3.58	3.98	-3.37
24	4.94	-3.24	4.00	-4.53	4.12	-4.79	2.69	-5.35	3.33	-2.83	4.13	-1.66
25	5.00	-3.03	4.03	-4.59	4.78	-3.79	2.58	-4.07	3.08	-2.48	3.61	-1.78
26	5.28	-2.92	4.33	-3.70	4.57	-3.22	2.44	-3.95	2.61	-3.45	3.02	-2.78
27	5.19	-2.48	4.49	-2.36	3.68	-2.96	2.90	-2.96	2.15	-3.01	2.49	-3.25
28	5.02	-2.15	4.08	-2.64	3.70	-2.72	2.92	-2.62	2.67	-3.52	2.42	-2.69
29	5.36	-1.57	3.59	-3.15	3.63	-3.46	3.31	-2.31	1.65	-3.87	2.48	-3.09
30	4.88	-1.77	3.59	-3.18	2.85	-3.46	3.63	-2.38	---	---	2.96	-2.93
31	4.89	-2.34	---	---	3.67	-2.33	3.48	-3.54	---	---	3.05	-3.41
MONTH	5.55	-3.73	5.38	-4.70	4.88	-5.40	5.00	-5.57	5.15	-5.17	4.32	-5.30

BRUNSWICK RIVER BASIN

02226180 BRUNSWICK RIVER AT VILLAGE PIER AT ST. SIMONS ISLAND, GA.-- Continued

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	4.05	-3.67	4.63	-3.16	5.34	-3.48	5.19	-4.66	4.41	-5.10	3.98	-4.00
2	3.98	-3.85	4.39	-3.82	5.40	-3.54	5.34	-4.59	4.11	-4.51	3.64	-3.44
3	4.59	-3.47	4.38	-4.44	5.71	-3.55	5.02	-4.21	3.93	-4.07	3.43	-3.11
4	4.06	-3.69	4.82	-4.20	5.03	-3.64	4.60	-3.77	3.53	-4.01	3.05	-3.06
5	--	-3.33	4.39	-3.88	4.72	-3.71	4.38	-3.74	3.42	-3.97	3.04	-2.92
6	--	--	5.00	-3.23	4.53	-3.54	3.97	-3.77	3.46	-3.31	2.92	-2.97
7	3.93	--	4.84	-2.75	4.36	-3.27	3.91	-3.71	3.71	-2.94	3.26	-2.80
8	3.78	-3.07	4.36	-3.48	4.11	-3.22	3.87	-3.26	3.61	-2.80	3.58	-2.61
9	3.77	-2.87	3.79	-3.65	4.04	-3.41	3.72	-3.45	3.51	-2.98	3.78	-2.54
10	3.83	-2.80	3.59	-3.64	4.22	-3.94	3.68	-3.73	3.51	-3.10	3.75	-2.75
11	3.76	-3.00	3.88	-3.54	4.99	-2.89	3.73	-3.57	3.57	-3.38	3.79	-2.83
12	3.75	-3.50	4.38	-3.51	5.20	-2.60	3.69	-3.78	3.41	-3.64	4.26	-3.01
13	4.71	-2.02	4.95	-3.46	5.31	-2.33	3.70	-3.92	3.32	-3.65	4.51	-1.85
14	4.75	-3.19	5.16	-3.03	4.82	-2.76	3.74	-3.81	3.22	-3.67	4.67	-2.13
15	4.94	-3.82	4.85	-3.57	4.65	-2.91	3.48	-3.69	3.21	-3.69	4.69	-1.41
16	4.77	-4.44	4.69	-3.84	4.48	-2.85	3.34	-3.78	3.47	-3.25	4.32	-1.84
17	4.67	-4.43	4.50	-3.54	4.52	-2.49	3.12	-3.58	3.49	-2.93	3.96	-2.42
18	4.51	-4.25	4.41	-3.24	3.90	-2.19	3.21	-3.30	3.68	-2.73	3.85	-2.34
19	4.38	-3.84	4.19	-2.93	3.66	-2.51	2.95	-3.22	3.62	-2.67	3.58	-2.82
20	4.02	-3.18	4.31	-2.46	3.42	-2.46	3.00	-3.24	3.76	-2.38	4.13	-2.53
21	3.34	-3.23	4.18	-1.44	3.40	-2.53	3.14	-2.96	3.74	-2.45	4.43	-2.54
22	3.12	-2.93	4.19	-1.18	3.73	-2.25	3.14	-2.89	4.00	-2.41	4.65	-2.99
23	2.83	-2.77	3.89	-1.77	3.86	-1.55	3.29	-2.89	4.21	-2.61	4.91	-3.41
24	2.48	-2.80	3.20	-2.35	3.79	-2.07	3.45	-3.10	4.29	-3.06	6.16	-2.33
25	2.29	-2.81	3.01	-2.39	3.70	-2.76	3.45	-3.61	4.51	-3.65	6.18	-2.31
26	2.94	-2.13	3.64	-2.21	3.96	-3.27	4.09	-3.73	4.78	-4.33	6.09	-3.10
27	3.23	-2.26	3.99	-1.93	4.21	-3.29	4.45	-4.03	4.98	-4.71	5.74	-3.32
28	3.33	-2.56	4.46	-1.66	4.87	-3.24	4.53	-5.00	4.60	-5.35	5.75	-2.93
29	4.11	-2.04	4.77	-2.52	5.53	-3.37	5.04	-4.79	4.48	-5.15	5.46	-2.50
30	4.35	-2.83	4.39	-3.26	5.61	-3.74	4.97	-4.76	4.51	-4.77	5.54	-1.38
31	--	--	4.88	-3.81	--	--	4.69	-4.83	4.36	-4.28	--	--
MONTH	--	--	5.16	-4.44	5.71	-3.94	5.34	-5.00	4.98	-5.35	6.18	-4.00

SATILLA RIVER BASIN

02226356 SEVENTEENMILE RIVER NEAR STOKESVILLE, GA.

LOCATION.--Lat 31°22'23", long 82°40'43", Coffee County, Hydrologic Unit 03070201, at State Highway 64, 0.8 miles upstream from Cat Creek, and 2 miles northeast of Stokesville.

PERIOD OF RECORD.--July 1991 to current year.

REMARKS.--Laboratory analyses 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 1991 TO SEPTEMBER 1992

DATE	TIME	GAGE HEIGHT (FEET)	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)
NOV 14...	0945	8.48	253	259	6.8	6.7	8.0	14.0	4.2	35
JAN 22...	1315	10.44	102	101	6.1	6.1	8.0	17.0	6.1	51
MAR 11...	1120	11.20	62	60	6.1	6.0	13.0	9.0	5.9	56
MAY 27...	1025	8.14	124	116	6.3	6.5	23.5	28.0	2.8	33
JUL 15...	1040	8.15	126	123	6.5	6.6	25.5	30.0	2.4	29
SEP 16...	1000	10.48	63	60	6.1	6.1	23.0	27.5	4.6	54

DATE	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LITY WAT WH TOT FET LAB MG/L AS CACO3	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)
NOV 14...	—	6.0	1.2	490	34	0.030	0.030	0.190	13
JAN 22...	80	4.0	1.6	—	6	0.290	0.040	0.120	17
MAR 11...	160	5.0	1.7	330	8	0.140	<0.030	0.170	18
MAY 27...	140	10	4.0	130	29	0.040	0.140	0.260	18
JUL 15...	130	8.0	1.9	1300	30	0.040	0.190	0.480	23
SEP 16...	200	5.0	1.4	170	13	0.030	<0.030	0.240	6.0

SATILLA RIVER BASIN

02226475 SATILLA RIVER AT WALTERTOWN, GA.

LOCATION.--Lat 31°18'17", long 82°23'33", Ware County, Hydrologic Unit 03070201, at county highway bridge at Waltertown, and 6 mi north of Waycross.

PERIOD OF RECORD.--August 1973 to current year.

REMARKS.--Laboratory chemical analyses 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 1991 TO SEPTEMBER 1992

DATE	TIME	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)
OCT 24...	1025	16	65	66	6.0	6.1	22.0	29.0	5.1	58
NOV 14...	1110	8.0	66	69	6.2	6.6	12.5	22.0	8.8	82
DEC 11...	1145	23	135	136	6.9	6.6	16.5	21.0	7.7	78
JAN 22...	1440	890	82	82	5.6	5.5	8.5	18.5	6.9	59
FEB 12...	1310	2550	59	57	5.1	5.0	13.0	20.0	7.0	65
MAR 11...	1245	1460	56	55	5.6	5.5	16.0	12.0	5.7	58
APR 29...	1045	1110	50	47	5.8	5.9	18.5	18.5	5.7	61
MAY 27...	1125	22	53	51	5.9	6.0	27.0	28.5	6.4	81
JUN 10...	1125	160	54	53	5.5	5.7	26.0	30.5	5.8	72
JUL 15...	1100	54	55	53	6.2	6.0	30.0	35.0	4.9	65
AUG 12...	1110	222	48	48	5.3	5.4	28.0	35.0	5.2	66
SEP 16...	1105	2000	46	42	5.1	5.1	24.0	29.0	5.0	59

DATE	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LITY WAT WH TOT FET LAB MG/L AS CACO3	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)
OCT 24...	90	6.0	1.3	80	7	0.120	0.070	0.150	12
NOV 14...	--	6.0	1.5	130	8	0.150	<0.030	0.140	11
DEC 11...	110	4.0	1.1	220	10	0.080	<0.030	0.100	11
JAN 22...	100	8.0	2.3	110	3	0.140	<0.030	0.080	18
FEB 12...	110	5.0	1.9	--	2	0.050	<0.030	0.070	23
MAR 11...	200	6.0	1.7	330	5	0.060	<0.030	0.110	20
APR 29...	180	9.0	1.7	110	7	0.090	0.220	0.160	26
MAY 27...	80	8.0	1.0	80	8	0.100	<0.030	0.110	7.0
JUN 10...	120	7.0	1.2	330	4	0.060	<0.030	0.050	19
JUL 15...	120	9.0	1.1	50	7	0.170	0.040	0.230	17
AUG 12...	260	8.0	1.4	--	4	0.070	0.040	0.150	28
SEP 16...	300	5.0	1.9	<20	5	<0.020	0.030	0.100	30

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 National Geodetic Vertical Datum of 1929. Prior to Nov. 22, 1952, nonrecording gage at site 300 ft downstream at same datum.

REMARKS.--Records good, except those less than 500 ft³/s, which are fair. 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)
Feb. 6	0500	4,340	14.88	Aug. 27	1800	5,160	15.35
Feb. 24	0200	*6,690	*16.04	Sept. 11	2200	6,270	15.86
Apr. 6	1200	2,990	13.66				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	44	32	23	112	3220	3080	2820	772	67	756	343	2940
2	44	31	24	155	3340	2780	2900	568	61	717	389	2050
3	43	29	31	157	3570	2480	2950	417	60	701	331	1340
4	41	28	43	149	3900	2150	2940	329	100	669	270	1020
5	46	27	36	136	4180	1800	2950	272	123	631	314	1140
6	45	27	32	123	4310	1490	2990	231	126	596	333	3960
7	41	26	34	113	4120	1300	2940	198	108	524	343	4670
8	42	26	37	108	3780	1180	2780	174	123	405	530	4300
9	44	26	42	104	3430	1200	2410	154	169	305	490	4560
10	42	26	45	98	3190	1280	2010	136	229	244	448	5710
11	42	27	45	92	3090	1440	1850	123	211	203	386	6130
12	41	26	44	86	3150	1570	1820	110	687	170	333	6070
13	38	26	43	231	3300	1790	1780	102	923	143	265	5230
14	36	25	42	1050	3370	2000	1690	99	954	125	227	4380
15	37	25	39	946	3290	2050	1540	89	988	116	301	3720
16	49	25	36	761	3090	1920	1370	80	951	110	808	3090
17	42	25	34	656	2880	1670	1170	73	942	91	1600	2420
18	37	25	34	603	2880	1410	972	67	1040	92	2520	1710
19	36	25	33	646	2910	1260	810	61	1130	162	3170	1290
20	36	26	31	722	3070	1170	693	57	1100	278	3720	1010
21	36	26	31	788	3550	1150	682	53	1010	543	3890	818
22	35	26	31	853	4840	1260	781	50	858	456	3840	682
23	35	26	31	1000	6370	1450	901	46	665	382	3850	571
24	35	25	34	1160	6560	1740	999	43	506	436	3700	484
25	34	24	32	1220	5940	2190	1060	40	432	472	3660	415
26	34	23	30	1280	5110	2680	1110	38	630	463	4250	367
27	34	24	30	1330	4360	2680	1200	37	793	381	5050	332
28	34	23	41	1420	3860	2540	1290	38	825	320	5070	305
29	34	23	59	1860	3430	2400	1250	39	818	288	4610	311
30	33	23	59	2600	---	2390	1030	55	784	259	4100	492
31	32	---	78	3090	---	2700	---	63	---	263	3560	---
TOTAL	1202	776	1184	23649	112090	58200	51688	4614	17413	11301	62701	71517
MEAN	38.8	25.9	38.2	763	3865	1877	1723	149	580	365	2023	2384
MAX	49	32	78	3090	6560	3080	2990	772	1130	756	5070	6130
MIN	32	23	23	86	2880	1150	682	37	60	91	227	305
CFSM	.03	.02	.03	.64	3.22	1.56	1.44	.12	.48	.30	1.69	1.99
IN.	.04	.02	.04	.73	3.47	1.80	1.60	.14	.54	.35	1.94	2.22

SATILLA RIVER BASIN

02226500 SATILLA RIVER NEAR WAYCROSS, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1937 - 1992, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	501	297	832	1450	2082	2355	1847	655	490	647	841	707
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 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1937 - 1992	
ANNUAL TOTAL	838750		416335		1050	
ANNUAL MEAN	2298		1138		2910	
HIGHEST ANNUAL MEAN					118	
LOWEST ANNUAL MEAN					37000	
HIGHEST DAILY MEAN	30000	Mar 6	6560	Feb 24	Apr 4 1948	
LOWEST DAILY MEAN	23	Nov 26-Dec 1	23	Nov 26-Dec 1	5.5	
ANNUAL SEVEN-DAY MINIMUM	23	Nov 25	23	Nov 25	5.6	
INSTANTANEOUS PEAK FLOW			6690	Feb 24	a39000	
INSTANTANEOUS PEAK STAGE			16.04	Feb 24	b22.40	
INSTANTANEOUS LOW FLOW			23	Nov 26	5.5	
ANNUAL RUNOFF (CFSM)	1.91		.95		.88	
ANNUAL RUNOFF (INCHES)	26.00		12.91		11.89	
10 PERCENT EXCEEDS	5300		3470		2920	
50 PERCENT EXCEEDS	1130		442		349	
90 PERCENT EXCEEDS	31		31		34	

a From rating curve extended above 23,000 ft³/s and 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 current year.

REMARKS.--Laboratory chemical analyses 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 1991 TO SEPTEMBER 1992

DATE	TIME	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)
OCT 24...	1225	67	67	64	5.7	5.8	22.5	29.0	4.1	47
NOV 14...	1255	28	107	108	6.7	6.7	15.5	22.0	9.2	91
DEC 11...	1325	41	116	116	6.8	6.7	19.0	22.5	6.3	67
JAN 22...	1610	1130	87	84	5.8	5.8	8.0	19.0	6.4	54
FEB 12...	1430	3150	61	58	5.2	5.0	13.5	20.5	7.4	70
MAR 11...	1420	1670	56	53	5.5	5.6	14.0	12.5	9.2	89
APR 29...	1230	1340	53	50	5.8	6.0	18.0	23.0	6.4	67
MAY 27...	1310	62	96	92	6.2	6.4	26.0	29.0	4.2	52
JUN 10...	1315	275	70	67	6.2	6.5	27.0	32.0	5.0	63
JUL 15...	1255	127	76	71	6.1	6.1	30.5	35.0	4.2	56
AUG 12...	1255	570	57	54	5.6	5.8	28.5	34.0	4.3	55
SEP 16...	1250	4000	44	40	5.0	4.9	24.0	29.0	4.0	47

DATE	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LINITY WAT WH TOT 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)
OCT 24...	55	7.0	3.6	50	12	12	<0.020	0.040	0.260	11
NOV 14...	—	4.0	1.5	50	14	12	0.720	0.100	0.300	10
DEC 11...	120	4.0	1.3	20	15	2	0.820	0.070	0.250	10
JAN 22...	110	7.0	1.7	220	5	6	0.180	0.140	0.130	18
FEB 12...	120	9.0	1.8	—	2	6	0.040	<0.030	0.070	27
MAR 11...	160	7.0	1.8	790	5	7	0.070	0.060	0.110	20
APR 29...	200	8.0	1.5	490	6	4	0.090	0.070	0.140	26
MAY 27...	90	8.0	2.1	20	11	5	0.530	0.060	0.240	8.4
JUN 10...	110	19	1.2	290	9	5	0.520	0.100	0.200	12
JUL 15...	140	11	2.1	50	9	10	0.270	0.250	0.370	16
AUG 12...	240	10	1.3	—	6	13	0.140	0.090	0.190	25
SEP 16...	280	5.0	1.0	50	4	2	<0.020	<0.030	0.080	31

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 National Geodetic Vertical Datum of 1929. 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. 1	0700	1,850	9.21	July 25	1000	2,370	9.60
Feb. 11	1700	3,010	9.97	Aug. 24	1900	2,140	9.44
Feb. 22	1400	3,010	9.97	Sept. 10	1300	*3,840	*10.34
Apr. 6	0300	1,740	9.11				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15	3.0	2.8	36	1820	1030	1180	250	18	666	178	828
2	16	2.8	3.4	57	1660	868	1170	169	12	580	133	580
3	20	2.4	4.9	88	1420	730	1140	120	10	480	105	391
4	22	2.2	13	126	1300	615	1240	86	42	418	269	279
5	31	2.0	18	129	1290	513	1540	62	81	340	177	379
6	40	1.8	21	108	1370	472	1700	44	104	214	102	873
7	34	1.6	20	88	1600	608	1470	34	142	121	73	1320
8	26	1.5	18	73	1770	688	1240	29	127	75	94	2080
9	19	1.4	16	62	1800	664	1080	24	105	45	273	2620
10	15	1.4	14	55	2030	614	957	19	92	27	547	3630
11	19	1.8	12	46	2830	777	872	15	120	17	583	3170
12	11	2.0	11	41	2760	836	953	11	234	9.6	333	2620
13	6.4	1.9	11	99	2250	799	1060	8.7	436	7.0	157	2190
14	4.3	1.9	11	739	1790	715	1000	7.5	739	5.2	112	1900
15	3.7	3.7	9.7	1050	1430	640	927	7.1	1010	5.7	135	1600
16	8.9	2.6	8.7	927	1170	552	871	7.0	946	7.7	278	1270
17	16	2.1	11	609	1080	458	800	6.4	913	5.4	451	1120
18	13	1.9	11	410	1310	388	692	5.3	512	4.3	555	982
19	9.8	1.8	8.5	420	1830	461	576	4.9	286	6.2	726	770
20	6.7	1.7	7.4	477	2320	699	452	4.3	167	7.2	879	568
21	4.8	1.6	8.0	483	2710	886	569	4.1	104	15	955	399
22	4.3	1.5	7.9	468	2960	981	665	3.8	74	129	1030	281
23	4.0	1.8	7.6	524	2880	974	635	3.4	74	659	1400	204
24	4.1	2.0	9.1	718	2470	1000	545	3.0	144	1650	2000	153
25	3.6	2.2	9.6	806	2040	1030	458	2.9	142	2320	1880	129
26	3.5	2.7	11	753	1690	1210	421	5.2	83	1950	1540	115
27	6.1	2.6	11	634	1420	1240	519	6.5	94	1270	1730	169
28	5.6	2.5	16	616	1320	1120	620	6.6	254	747	1700	294
29	4.4	2.5	43	905	1200	939	531	16	567	466	1440	262
30	3.6	2.6	58	1240	---	797	378	31	651	293	1210	197
31	3.2	---	47	1660	---	1020	---	28	---	214	1060	---
TOTAL	384.0	63.5	460.6	14447	53520	24324	26261	1024.7	8283	12754.3	22105	31373
MEAN	12.4	2.12	14.9	466	1846	785	875	33.1	276	411	713	1046
MAX	40	3.7	58	1660	2960	1240	1700	250	1010	2320	2000	3630
MIN	3.2	1.4	2.8	36	1080	388	378	2.9	10	4.3	73	115
CFSM	.02	.00	.02	.72	2.86	1.21	1.36	.05	.43	.64	1.10	1.62
IN.	.02	.00	.03	.83	3.08	1.40	1.51	.06	.48	.73	1.27	1.81

SATILLA RIVER BASIN

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

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1951 - 1992, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	191	152	468	873	1081	1098	735	271	302	340	432	395
MAX	1361	1295	2586	4219	3773	3436	2791	2031	1343	1493	1630	2363
(WY)	1954	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 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1951 - 1992	
ANNUAL TOTAL	382908.1		195000.1			
ANNUAL MEAN	1049		533			530
HIGHEST ANNUAL MEAN					1075	1991
LOWEST ANNUAL MEAN					75.0	1981
HIGHEST DAILY MEAN	13800	Mar 6	3630	Sep 10	16800	Sep 28 1953
LOWEST DAILY MEAN	1.4	Nov 9, 10	1.4	Nov 9, 10	.00	a
ANNUAL SEVEN-DAY MINIMUM	1.6	Nov 5	1.6	Nov 5	.00	Oct 10 1954
INSTANTANEOUS PEAK FLOW			3840	Sep 10	17200	Sep 29 1953
INSTANTANEOUS PEAK STAGE			10.34	Sep 10	b14.50	Sep 29 1953
INSTANTANEOUS LOW FLOW			1.3	Nov 9	.00	a
ANNUAL RUNOFF (CFSM)	1.62		.82		.82	
ANNUAL RUNOFF (INCHES)	22.05		11.23		11.15	
10 PERCENT EXCEEDS	2370		1540		1440	
50 PERCENT EXCEEDS	467		177		148	
90 PERCENT EXCEEDS	3.7		3.6		1.5	

a Oct 10-Nov 14, 1954 and Sept 23-Oct 6, 1990.

b Present datum.

SATILLA RIVER BASIN

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

WATER-QUALITY RECORDS

PERIOD OF RECORD.--August 1991 to current year.

REMARKS.--Laboratory chemical analyses 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 1991 TO SEPTEMBER 1992

DATE	TIME	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)
OCT 24...	0840	4.3	56	53	5.2	5.2	19.5	24.5	3.8	41
DEC 11...	1030	13	59	60	5.6	5.5	15.0	18.5	4.4	43
FEB 12...	1210	2780	54	51	5.1	5.0	10.5	18.0	8.6	76
APR 29...	0920	555	47	46	5.2	5.2	14.0	18.0	6.6	64
JUN 10...	0910	87	60	58	5.2	5.3	23.5	26.0	5.3	63
AUG 12...	1005	357	46	45	5.1	5.2	25.5	33.0	6.1	74

DATE	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LITY WAT WH TOT FET LAB MG/L AS CaCO3	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)
OCT 24...	130	6.0	1.9	130	3	0.030	0.080	0.160	23
DEC 11...	240	4.0	2.0	330	4	0.020	<0.030	0.110	22
FEB 12...	120	9.0	1.9	—	2	0.040	<0.030	0.060	25
APR 29...	280	7.0	1.7	170	3	0.020	0.110	0.100	31
JUN 10...	200	4.0	1.4	—	3	0.060	0.050	0.100	30
AUG 12...	240	5.0	1.2	—	2	0.020	0.060	0.140	29

SATILLA RIVER BASIN

02228000 SATILLA RIVER AT ATKINSON, GA.
(National Stream-Quality Accounting Network station)

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.

WATER-DISCHARGE RECORDS

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 National Geodetic Vertical Datum of 1929. Prior to Dec. 6, 1933, and Nov. 21, 1961, to Sept. 30, 1964, nonrecording gage at same site and datum.

REMARKS.--Records good, except for Aug. 1-2, which are fair. 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. 28	1700	9,710	14.98	Sept. 1	0300	8,260	14.39
Apr. 11	2300	6,100	13.33	Sept. 16	1300	*11,000	*15.42

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	329	121	75	138	4590	8910	5490	2040	149	1430	e2050	8210
2	315	117	74	160	5010	8170	5460	1990	150	1550	e1450	8010
3	296	113	79	171	5600	7420	5290	1890	148	1670	1000	7560
4	281	109	76	187	6240	6720	5230	1750	157	1740	790	6940
5	290	106	74	222	6740	6030	5260	1530	166	1700	735	6120
6	325	105	74	273	7100	5360	5290	1270	173	1570	815	5220
7	299	103	84	302	7270	4760	5300	1040	208	1380	1000	4540
8	291	101	103	301	7280	4190	5370	832	270	1200	1210	4180
9	290	100	117	285	7270	3760	5480	677	378	1030	1310	4080
10	274	99	118	264	7340	3510	5610	565	420	885	1390	4680
11	253	97	116	243	7420	3450	5850	486	431	767	1570	6130
12	237	95	116	229	7390	3320	6030	428	597	650	1800	7470
13	225	94	116	244	7240	3180	5790	382	768	538	1900	8620
14	214	92	117	645	7080	3120	5390	354	939	440	1790	9850
15	204	92	115	1150	7040	3160	5000	328	1040	255	1540	10600
16	194	91	114	1530	7110	3220	4630	306	1100	290	1410	10800
17	184	89	113	2010	7180	3230	4330	289	2080	355	2230	10400
18	179	87	112	2620	7180	3220	4060	268	2630	430	2390	9510
19	181	86	109	3240	7000	3250	3840	247	3140	355	2730	8530
20	180	85	107	3550	6680	3280	3610	227	3340	285	3200	7540
21	172	84	106	3390	6330	3280	3600	210	3070	355	3910	6550
22	165	83	104	3040	6140	3240	3520	196	2540	470	4530	5540
23	159	81	103	2840	6220	3230	3250	183	2120	610	4970	4600
24	155	80	104	2790	6580	3240	2860	172	1900	815	5440	3650
25	149	79	102	2830	7150	3280	2550	164	1790	1250	5870	2840
26	145	78	101	2870	7980	3550	2350	157	1740	1780	6230	2270
27	140	77	101	2980	9020	3770	2210	149	1650	2400	6680	1950
28	136	76	104	3180	9630	3960	2110	148	1500	2330	7320	1850
29	132	76	107	3450	9500	4230	2070	146	1400	2510	7890	1860
30	127	76	107	3810	---	4680	2060	151	1350	2550	8110	1830
31	124	---	115	4230	---	5220	---	154	---	2440	8190	---
TOTAL	6645	2772	3163	53174	204310	132940	128890	18729	37344	36030	101450	181930
MEAN	214	92.4	102	1715	7045	4288	4296	604	1245	1162	3273	6064
MAX	329	121	118	4230	9630	8910	6030	2040	3340	2550	8190	10800
MIN	124	76	74	138	4590	3120	2060	146	148	255	735	1830
CFSM	.08	.03	.04	.61	2.53	1.54	1.54	.22	.45	.42	1.17	2.17
IN.	.09	.04	.04	.71	2.72	1.77	1.72	.25	.50	.48	1.35	2.43

e Estimated

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1930 - 1992	
ANNUAL TOTAL	1697263		907377			
ANNUAL MEAN	4650		2479		2283	
HIGHEST ANNUAL MEAN					7048	1948
LOWEST ANNUAL MEAN					334	1981
HIGHEST DAILY MEAN	44000	Mar 9	10800	Sep 16	67200	Apr 6 1948
LOWEST DAILY MEAN	74	Dec 2,5,6	74	Dec 2,5,6	15	Sep 26-28 1990
ANNUAL SEVEN-DAY MINIMUM	75	Nov 30	75	Nov 30	16	Sep 25 1990
INSTANTANEOUS PEAK FLOW			11000	Sep 16	68100	Apr 6 1948
INSTANTANEOUS PEAK STAGE			15.42	Sep 16	23.90	Apr 6 1948
INSTANTANEOUS LOW FLOW			74	Dec 2, 4-6	15	Sep 26-28 1990
ANNUAL RUNOFF (CFSM)	1.67		.89		.82	
ANNUAL RUNOFF (INCHES)	22.63		12.10		11.12	
10 PERCENT EXCEEDS	9880		7050		6060	
50 PERCENT EXCEEDS	2570		1530		910	
90 PERCENT EXCEEDS	104		104		109	

SATILLA RIVER BASIN

02228000 SATILLA RIVER AT ATKINSON, 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: November 1974 to September 1981.

REMARKS.--Laboratory analyses with the analyzing agency codes 80020 and 84213 are performed by the U.S. Geological Survey. Laboratory analyses with the analyzing agency code 81341 are performed by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, Dissolved Oxygen, and Total Alkalinity are by the U.S. Geological Survey. 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 1994.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum recorded, 159 microsiemens Nov. 7, 1978; minimum recorded, 30 microsiemens Mar. 16, 1977, Sept. 28, 1979, Mar. 20, 21, 1980.

WATER TEMPERATURES: Maximum, 33.5°C July 11-12, 1977, Aug. 4, 1980; minimum recorded, 4.0°C Jan. 13, 1981.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

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)
NOV							
06...	1100	80020	110	78	77	6.6	6.7
06...	1110	81341	110	78	74	6.6	6.5
FEB							
05...	1200	80020	6740	62	64	4.7	4.9
05...	1210	81341	6740	62	63	4.7	4.7
MAY							
20...	1100	80020	229	67	67	6.5	6.4
20...	1115	81341	229	67	64	6.5	6.1
SEP							
02...	1030	80020	8010	47	45	4.7	4.8
02...	1040	81341	8010	47	44	4.7	4.6

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER)	TEMPER- ATURE WATER (DEG C)	TEMPER- ATURE AIR (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)	BICAR- BONATE WATER DIS IT FIELD MG/L AS HCO3	ALKA- LINITY WAT DIS TOT IT FIELD MG/L AS CACO3	ALKA- LINITY WAT WH TOT FET LAB MG/L AS CACO3	ALKA- LINITY WAT.DIS FET LAB CACO3 (MG/L)
NOV									
06...	80020	15.0	17.0	8.8	87	8	6	--	10
06...	81341	15.0	17.0	8.8	87	--	--	7	--
FEB									
05...	80020	11.5	17.5	8.7	81	--	--	--	2.0
05...	81341	11.5	17.5	8.7	81	--	--	1	--
MAY									
20...	80020	25.0	25.0	6.3	76	7	6	--	6.7
20...	81341	25.0	25.0	6.3	76	--	--	6	--
SEP									
02...	80020	26.0	29.0	4.3	53	0	0	--	3.3
02...	81341	26.0	29.0	4.3	53	--	--	1	--

SATILLA RIVER BASIN

02228000 SATILLA RIVER AT ATKINSON, GA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD- NESS TOTAL (MG/L AS CACO3)
NOV								
06...	80020	--	49	--	--	32	76	15
06...	81341	--	5.0	1.5	20	--	--	--
FEB								
05...	80020	--	4.7	--	--	--	--	12
05...	81341	150	5.0	1.3	310	--	--	--
MAY								
20...	80020	--	4.4	--	--	K17	120	13
20...	81341	160	7.0	1.4	<20	--	--	--
SEP								
02...	80020	--	3.1	--	--	48	180	6
02...	81341	340	5.0	1.1	40	--	--	--

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)
NOV							
06...	80020	2.9	1.9	7.8	49	0.9	1.9
FEB							
05...	80020	2.1	1.6	4.2	39	0.5	2.1
MAY							
20...	80020	2.6	1.6	6.2	47	0.7	1.9
SEP							
02...	80020	0.51	1.2	5.8	59	1	2.0

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER DAY)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)
NOV								
06...	80020	12	<0.10	8.6	68	48	20.2	0.09
FEB								
05...	80020	7.4	0.20	7.0	88	34	1600	0.12
MAY								
20...	80020	9.7	<0.10	8.6	67	42	41.4	0.09
SEP								
02...	80020	5.1	<0.10	7.3	98	28	2120	0.13

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)
NOV							
06...	80020	0.010	0.300	0.300	0.050	<0.010	0.060
06...	81341	--	0.310	--	<0.030	--	--
FEB							
05...	80020	<0.010	0.089	0.080	0.030	<0.010	0.010
05...	81341	--	<0.020	--	<0.030	--	--
MAY							
20...	80020	0.020	0.300	0.310	0.130	<0.010	0.140
20...	81341	--	0.320	--	0.120	--	--
SEP							
02...	80020	<0.010	<0.050	<0.050	0.040	<0.010	0.050
02...	81341	--	<0.020	--	<0.030	--	--

SATILLA RIVER BASIN

02228000 SATILLA RIVER AT ATKINSON, GA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	PHOS- PHORUS DIS- SOLVED (MG/L AS P)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
NOV 06...	80020	0.45	0.50	0.110	0.060	0.060	—
06...	81341	—	—	0.150	—	—	10
FEB 05...	80020	0.27	0.30	0.030	<0.010	0.010	—
05...	81341	—	—	0.040	—	—	23
MAY 20...	80020	0.67	0.80	0.110	0.080	0.050	—
20...	81341	—	—	0.160	—	—	13
SEP 02...	80020	1.1	1.1	0.050	0.030	0.010	—
02...	81341	—	—	0.030	—	—	4.0
DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER)	ALUM- INUM, DIS- SOLVED (UG/L AS AL)	BARIUM, DIS- SOLVED (UG/L AS BA)	COBALT, DIS- SOLVED (UG/L AS CO)	IRON, DIS- SOLVED (UG/L AS FE)	LITHIUM DIS- SOLVED (UG/L AS LI)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)
NOV 06...	80020	260	22	<3	930	<4	11
FEB 05...	80020	580	20	<3	520	<4	44
MAY 20...	80020	250	22	<3	780	<4	20
SEP 02...	80020	780	27	4	1900	<4	37
DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO)	NICKEL, DIS- SOLVED (UG/L AS NI)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	SILVER, DIS- SOLVED (UG/L AS AG)	STRON- TIUM, DIS- SOLVED (UG/L AS SR)	VANA- DIUM, DIS- SOLVED (UG/L AS V)
NOV 06...	80020	<10	<1	<1	<1.0	22	<6
FEB 05...	80020	<10	<1	<1	<1.0	14	<6
MAY 20...	80020	<10	<1	<1	<1.0	19	<6
SEP 02...	80020	<10	<1	<1	<1.0	14	<6
DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER)	DIS- CHARGE, INST. CUBIC FEET PER SECOND	TEMPER- ATURE WATER (DEG C)	SEDI- MENT, SUS- PENDE (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
NOV 06...	1105	84213	110	15.0	3	0.89	89
FEB 05...	1205	84213	6740	11.5	11	200	42
MAY 20...	1105	84213	229	25.0	9	5.6	91
SEP 02...	1035	84213	8010	26.0	10	216	97

ST MARYS RIVER BASIN

02228500 NORTH PRONG ST MARYS RIVER AT MONIAC, GA.

LOCATION.--Lat 30°31'03", long 82°13'50", in NW sec. 8, T.1 N., R. 21 E., Baker County, Fla.-Charlton County, Ga., Hydrologic Unit 03070204, near right bank at upstream 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 August 9, 1990 (discharge measurements only), August 10, 1990 to current year.

GAGE.--Water-stage recorder. Datum of gage is 89.40 ft above National Geodetic Vertical Datum of 1929. January 1921 to June 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. 18, 1988 to Aug. 10, 1990, non-recording gage, at present site and datum.

REMARKS.--Records good.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	97	38	19	23	196	72	123	45	9.0	27	2.9	91
2	267	37	19	25	162	68	110	42	7.8	30	2.3	80
3	511	35	20	25	139	64	98	40	7.7	28	2.0	71
4	534	34	23	25	123	60	90	37	15	27	2.0	80
5	496	32	22	25	115	58	82	34	16	24	2.5	167
6	468	31	21	24	140	59	76	31	14	22	3.3	381
7	415	30	20	24	158	70	72	30	14	19	6.7	340
8	343	29	20	23	151	75	69	28	36	17	16	289
9	282	28	20	23	136	69	66	27	74	15	20	301
10	234	28	20	23	122	71	62	25	163	13	40	245
11	193	27	20	22	112	108	68	24	222	11	32	189
12	161	26	20	21	102	104	101	22	181	8.7	30	149
13	138	25	19	31	98	91	106	21	139	7.6	29	122
14	120	25	19	90	93	83	98	27	119	6.3	34	104
15	108	24	18	126	89	77	89	28	105	5.4	58	94
16	97	24	17	124	86	72	81	27	87	5.0	77	92
17	88	24	16	111	85	67	75	24	73	5.5	118	86
18	81	24	16	100	97	62	70	23	62	5.8	356	83
19	76	24	15	95	104	67	66	21	55	5.6	527	78
20	71	24	14	109	103	84	65	19	47	6.9	606	72
21	68	24	14	106	96	78	91	18	41	13	580	66
22	65	24	15	96	91	71	105	18	36	6.3	494	60
23	62	24	15	105	91	70	97	17	32	17	427	55
24	59	23	15	152	89	72	86	15	29	30	360	50
25	55	22	15	150	91	87	77	13	28	19	303	47
26	53	21	15	128	95	245	70	12	26	13	271	44
27	50	20	16	114	90	266	62	10	24	9.1	221	43
28	47	19	19	113	82	178	56	9.4	22	6.6	168	42
29	44	19	23	171	77	142	52	8.9	23	5.1	144	40
30	42	19	23	214	---	131	48	9.4	23	4.7	126	38
31	40	---	23	216	---	133	---	9.9	---	3.9	107	---
TOTAL	5365	784	571	2634	3213	2954	2411	715.6	1730.5	417.5	5165.7	3599
MEAN	173	26.1	18.4	85.0	111	95.3	80.4	23.1	57.7	13.5	167	120
MAX	534	38	23	216	196	266	123	45	222	30	606	381
MIN	40	19	14	21	77	58	48	8.9	7.7	3.9	2.0	38
CFSM	1.08	.16	.12	.53	.69	.60	.50	.14	.36	.08	1.04	.75
IN.	1.25	.18	.13	.61	.75	.69	.56	.17	.40	.10	1.20	.84

ST MARYS RIVER BASIN

02228500 NORTH PRONG ST MARYS RIVER AT MONIAC, GA.

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1921 - 1992, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	133	51.3	95.8	170	228	250	211	75.7	96.5	130	195	220
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 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1921 - 1992	
ANNUAL TOTAL	87193.42		29560.3		155	
ANNUAL MEAN	239		80.8		377	
HIGHEST ANNUAL MEAN					16.3	
LOWEST ANNUAL MEAN					1973	
HIGHEST DAILY MEAN	1520	Aug 6	606	Aug 20	11400	Apr 5 1973
LOWEST DAILY MEAN	.06	Jan 1	2.0	Aug 3	.00	a
ANNUAL SEVEN-DAY MINIMUM	.07	Jan 1	2.7	Jul 31	.00	b
INSTANTANEOUS PEAK FLOW			619	Aug 20	11600	Apr 5 1973
INSTANTANEOUS PEAK STAGE			10.79	Aug 20	22.98	Apr 5 1973
INSTANTANEOUS LOW FLOW			1.8	Aug 4	.00	a
ANNUAL RUNOFF (CFSM)	1.49		.50		.97	
ANNUAL RUNOFF (INCHES)	20.27		6.87		13.19	
10 PERCENT EXCEEDS	578		167		416	
50 PERCENT EXCEEDS	147		52		48	
90 PERCENT EXCEEDS	19		14		1.0	

a No flow for many days in 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 NW 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 National Geodetic Vertical Datum of 1929 (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 fair.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	497	143	69	64	446	337	878	157	38	760	349	535
2	1020	136	68	64	409	285	764	140	37	886	249	459
3	2040	130	68	64	360	248	660	125	37	742	189	410
4	2360	124	68	66	318	221	567	113	52	542	154	364
5	2180	119	69	65	291	200	493	102	74	404	171	408
6	1920	115	70	65	300	e240	427	91	74	303	312	521
7	1720	111	69	63	356	e420	371	82	66	228	464	576
8	1560	107	69	62	384	e410	328	76	297	179	1160	585
9	1390	103	67	60	371	e350	295	72	477	157	2020	597
10	1200	100	67	59	341	e340	267	67	623	130	2430	626
11	1010	97	67	58	308	650	243	62	622	107	2170	747
12	845	95	66	57	283	758	262	58	535	87	1650	903
13	718	92	66	61	264	639	352	56	498	74	1410	794
14	612	89	64	144	245	519	366	76	781	64	1190	636
15	531	87	63	292	230	439	333	94	1120	57	1140	537
16	468	85	62	262	216	377	295	100	1050	54	1480	571
17	415	83	61	229	207	328	263	89	807	56	1610	733
18	371	81	59	207	214	291	238	84	635	59	1490	823
19	335	80	59	193	246	276	217	74	494	104	1520	707
20	307	79	58	202	262	332	203	65	380	203	1590	560
21	284	79	58	218	262	356	298	59	287	515	1680	457
22	265	78	58	211	245	314	651	60	220	807	2090	384
23	250	78	57	210	235	281	698	56	177	1030	2580	327
24	234	76	57	298	234	276	566	52	158	1110	2340	287
25	217	74	57	352	245	290	448	48	238	1110	1970	263
26	203	73	58	319	368	920	367	44	270	885	1680	275
27	189	72	58	280	541	1640	306	41	191	696	1440	312
28	179	72	58	259	495	1670	249	39	148	551	1170	325
29	168	71	58	325	411	1440	206	39	345	446	935	287
30	159	70	61	439	---	1210	178	40	575	509	777	251
31	150	---	64	461	---	1020	---	39	---	470	646	---
TOTAL	23797	2799	1953	5709	9087	17077	11789	2300	11306	13325	40056	15260
MEAN	768	93.3	63.0	184	313	551	393	74.2	377	430	1292	509
MAX	2360	143	70	461	541	1670	878	157	1120	1110	2580	903
MIN	150	70	57	57	207	200	178	39	37	54	154	251
CFSM	1.10	.13	.09	.26	.45	.79	.56	.11	.54	.61	1.85	.73
IN.	1.26	.15	.10	.30	.48	.91	.63	.12	.60	.71	2.13	.81

e Estimated

ST MARYS RIVER BASIN

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

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1927 - 1992, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	734	269	374	605	828	976	803	330	377	626	980	1093
MAX	6240	4155	2470	2404	2502	4928	6564	3303	2641	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 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1927 - 1992	
ANNUAL TOTAL	379357		154458			
ANNUAL MEAN	1039		422		665	
HIGHEST ANNUAL MEAN					2285	
LOWEST ANNUAL MEAN					90.1	
HIGHEST DAILY MEAN	4730	Mar 6	2580	Aug 23	27600	Sep 25 1947
LOWEST DAILY MEAN	23	Jan 1	37	Jun 2	12	May 22 1932
ANNUAL SEVEN-DAY MINIMUM	24	Jan 1	38	May 28	15	May 31 1927
INSTANTANEOUS PEAK FLOW			2710	Aug 23	28100	Sep 25 1947
INSTANTANEOUS PEAK STAGE			12.10	Aug 23	a23.25	Sep 13 1964
INSTANTANEOUS LOW FLOW			35	Jun 3	b12	May 22 1932
ANNUAL RUNOFF (CFSM)	1.48		.60		.95	
ANNUAL RUNOFF (INCHES)	20.16		8.21		12.91	
10 PERCENT EXCEEDS	2300		1070		1670	
50 PERCENT EXCEEDS	808		264		230	
90 PERCENT EXCEEDS	67		60		38	

a From floodmarks.

b Observed.

ST MARYS RIVER BASIN

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

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.69	2.28	1.56	1.50	4.50	3.87	6.71	2.52	1.10	6.15	3.93	5.38
2	7.34	2.22	1.55	1.49	4.29	3.54	6.17	2.35	1.08	6.75	3.28	4.91
3	10.97	2.16	1.54	1.50	4.00	3.28	5.65	2.20	1.09	6.06	2.82	4.59
4	11.69	2.11	1.55	1.52	3.75	3.08	5.18	2.07	1.33	5.03	2.48	4.30
5	11.29	2.07	1.56	1.51	3.57	2.92	4.77	1.94	1.63	4.26	2.65	4.59
6	10.69	2.03	1.58	1.51	3.63	--	4.39	1.83	1.63	3.65	3.67	5.30
7	10.19	1.99	1.57	1.48	3.98	--	4.07	1.73	1.52	3.13	4.61	5.63
8	9.67	1.95	1.56	1.46	4.14	--	3.81	1.66	3.46	2.72	7.77	5.67
9	9.00	1.92	1.54	1.44	4.07	--	3.60	1.60	4.67	2.52	10.65	5.74
10	8.25	1.88	1.54	1.43	3.89	--	3.41	1.54	5.46	2.25	11.67	5.92
11	7.43	1.87	1.53	1.41	3.68	5.59	3.24	1.47	5.46	2.00	11.08	6.58
12	6.64	1.84	1.52	1.41	3.52	6.14	3.38	1.42	5.00	1.79	9.67	7.41
13	5.95	1.82	1.52	1.46	3.39	5.54	3.96	1.38	4.80	1.63	8.94	6.84
14	5.37	1.79	1.50	2.36	3.26	4.92	4.04	1.64	6.23	1.50	8.26	5.97
15	4.89	1.76	1.49	3.58	3.15	4.46	3.84	1.86	7.70	1.40	8.18	5.39
16	4.51	1.74	1.47	3.38	3.05	4.11	3.60	1.92	7.43	1.35	9.30	5.59
17	4.17	1.73	1.45	3.14	2.97	3.81	3.39	1.81	6.38	1.38	9.72	6.51
18	3.89	1.71	1.43	2.97	3.03	3.57	3.21	1.75	5.52	1.43	9.42	7.00
19	3.66	1.69	1.43	2.85	3.26	3.47	3.05	1.62	4.77	1.97	9.49	6.36
20	3.46	1.68	1.42	2.93	3.38	3.83	2.94	1.51	4.12	2.85	9.69	5.53
21	3.29	1.68	1.41	3.06	3.38	3.98	3.59	1.43	3.54	4.88	9.93	4.90
22	3.15	1.67	1.41	3.00	3.26	3.72	5.60	1.44	3.07	6.37	10.93	4.43
23	3.04	1.67	1.40	2.99	3.19	3.51	5.84	1.39	2.70	7.36	11.90	4.05
24	2.94	1.65	1.41	3.62	3.18	3.48	5.17	1.32	2.53	7.69	11.47	3.77
25	2.83	1.63	1.41	3.96	3.26	3.56	4.51	1.26	3.19	7.68	10.64	3.59
26	2.74	1.61	1.41	3.76	4.04	6.77	4.05	1.20	3.43	6.74	9.94	3.68
27	2.64	1.61	1.41	3.50	5.04	9.54	3.67	1.16	2.83	5.83	9.27	3.94
28	2.56	1.60	1.41	3.36	4.78	9.65	3.28	1.12	2.43	5.09	8.45	4.04
29	2.48	1.59	1.41	3.78	4.30	8.89	2.96	1.12	3.80	4.50	7.56	3.77
30	2.41	1.57	1.46	4.46	--	8.06	2.71	1.14	5.22	4.86	6.75	3.50
31	2.33	--	1.49	4.59	--	7.31	--	1.12	--	4.64	6.02	--
MEAN	5.62	1.82	1.48	2.59	3.69	--	4.13	1.60	3.77	4.05	8.07	5.16
MAX	11.69	2.28	1.58	4.59	5.04	--	6.71	2.52	7.70	7.69	11.90	7.41
MIN	2.33	1.57	1.40	1.41	2.97	--	2.71	1.12	1.08	1.35	2.48	3.50

ST MARYS RIVER BASIN

02231220 ST MARYS RIVER AT BOULOGNE, FLA.

LOCATION.--Lat 30°46'35", long 81°58'44", Nassau County, Fla.-Charlton County, Ga., Hydrologic Unit 03070204, at bridge on U.S. Highways 1, 23, and 301, at Boulogne.

DRAINAGE AREA.--1,180 mi², approximately; includes part of watershed in Okefenokee Swamp, the drainage area of which is indeterminate.

PERIOD OF RECORD.--August 1974 to current year.

REMARKS.--Laboratory chemical analyses by the Laboratory 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 1991 TO SEPTEMBER 1992

DATE	TIME	GAGE HEIGHT (FEET)	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)
OCT 24...	1415	2.56	58	56	5.8	5.8	22.5	30.5	3.5	40
NOV 14...	1430	0.91	78	79	6.6	6.6	13.5	22.5	7.3	69
DEC 11...	1510	1.89	90	90	7.0	6.9	16.5	22.0	7.1	72
JAN 22...	1715	2.72	75	74	6.2	6.0	10.0	18.0	6.1	54
FEB 12...	1605	1.82	67	63	5.4	5.3	12.0	22.5	8.4	77
MAR 11...	1555	1.75	61	59	5.6	5.7	18.0	16.0	6.8	72
APR 29...	1400	2.62	54	51	5.4	5.4	20.0	22.0	6.3	69
MAY 27...	1435	0.54	82	79	6.7	6.8	26.5	30.0	5.8	73
JUN 10...	1430	1.15	87	81	7.0	7.0	27.0	33.0	5.6	71
JUL 15...	1420	2.12	66	64	6.3	6.4	33.0	35.0	4.5	62
AUG 12...	1415	3.71	41	40	4.9	4.9	27.0	33.0	4.3	54
SEP 16...	1410	3.18	47	44	5.0	4.9	24.5	30.0	4.0	48

DATE	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LITY WAT WH TOT FET LAB MG/L AS CACO3	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)	TANNIN AND LIGNIN (MG/L)
OCT 24...	200	2.0	1.5	20	7	0.040	0.090	0.160	35	8.1
NOV 14...	—	2.0	0.8	110	16	0.150	0.050	0.140	17	5.5
DEC 11...	220	2.0	1.0	40	19	0.120	0.040	0.100	19	4.4
JAN 22...	160	3.0	1.8	140	6	0.110	0.070	0.080	24	3.8
FEB 12...	120	3.0	1.6	—	3	0.060	0.030	0.080	32	5.0
MAR 11...	180	7.0	1.6	490	4	0.030	0.030	0.110	22	5.8
APR 29...	300	3.0	1.6	20	5	0.040	0.050	0.120	35	8.0
MAY 27...	200	6.0	0.6	<20	18	0.180	0.040	0.120	18	4.8
JUN 10...	160	3.0	1.0	80	24	0.100	<0.030	0.050	17	4.1
JUL 15...	280	4.0	0.4	<20	11	0.080	0.060	0.150	28	6.5
AUG 12...	280	7.0	1.3	—	1	<0.020	<0.030	0.110	33	6.1
SEP 16...	330	4.0	1.0	1100	4	<0.020	0.040	0.070	36	8.0

SUWANNEE RIVER BASIN

02314500 SUWANNEE RIVER AT FARGO, GA.

LOCATION.--Lat 30°40'50", long 82°33'38", Clinch County, Hydrologic Unit, 03110201, on downstream side of right bank pier of bridge on U.S. Highway 441 at Fargo, 4 mi upstream from Suwannoochee Creek, and 12 mi downstream from Mixons Ferry damsite.
DRAINAGE AREA.--About 1,260 mi², includes part of watershed in Okefenokee Swamp, which is indeterminate.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--January 1921 to September 1923 (gage heights only), January 1927 to December 1931, April 1937 to current year.
Monthly discharge only for April 1937, published in WSP 1304.

REVISED RECORDS.--WSP 1234: Drainage area. WSP 1504: 1928-30.

GAGE.--Water-stage recorder. Datum of gage is 91.90 ft above National Geodetic Vertical Datum of 1929. Jan. 27, 1921 to Sept. 30, 1923, nonrecording gage at site 1,200 ft upstream at datum 3.00 ft higher. Jan. 27, 1927 to Dec. 31, 1931 and Apr. 20, 1937 to June 10, 1938, nonrecording gage at site 1,000 ft upstream at datum 1.00 ft higher. June 11, 1938 to Nov. 26, 1952, nonrecording gage at site 1,000 ft upstream at present datum. Oct. 14, 1960 to Oct. 29, 1970, auxiliary water-stage recorder at site about 3 mi upstream and since Nov. 5, 1971, auxiliary water-stage recorder at site about 2 mi upstream.

REMARKS.--Records good, except those for the period of estimated daily discharges, which are fair. Low flow at times affected by manipulation of water level at Mixons Ferry Dam.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 2,500 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Aug. 25	0900	*2,630	*11.36	No other peak greater than base discharge.			

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	431	156	87	85	e870	e1700	e1750	e860	165	583	845	1940
2	462	152	86	89	e910	e1650	e1700	e790	155	705	807	1840
3	494	147	86	91	e950	e1700	e1700	e710	150	773	754	1750
4	490	143	90	92	e990	e1700	e1650	e640	168	785	691	1670
5	474	139	91	93	e1050	e1700	e1550	e570	164	761	632	1620
6	465	135	89	94	e1150	1670	e1450	510	154	709	612	1600
7	447	132	89	94	e1300	1650	e1400	460	148	637	692	1610
8	422	129	88	95	e1450	1620	e1300	426	179	566	742	1630
9	400	127	88	95	e1600	1580	e1300	397	192	503	748	1640
10	382	125	88	95	e1700	1570	e1250	367	318	451	752	1620
11	368	123	88	96	e1800	1600	e1250	336	285	420	742	1590
12	351	120	87	98	e1900	1610	e1350	307	233	382	773	1550
13	333	114	86	105	e2000	1620	e1450	288	273	417	823	1480
14	314	112	86	171	e2100	1600	e1500	291	533	494	877	1420
15	297	110	85	206	e2100	1580	e1500	280	561	456	1020	1360
16	289	108	84	197	e2150	1550	e1450	261	471	396	1200	1290
17	282	106	84	195	e2200	1520	e1400	240	394	368	1360	1210
18	266	105	84	200	e2200	1470	e1350	219	350	347	1500	1130
19	251	102	83	216	e2250	1450	e1250	203	325	366	1640	1070
20	236	100	82	247	e2250	1450	e1200	189	330	394	1730	997
21	226	99	82	267	e2250	1440	e1250	184	316	436	1750	933
22	217	98	81	276	e2250	1430	e1350	179	293	536	1930	871
23	209	96	81	313	e2200	1410	e1350	168	271	625	2330	809
24	201	95	82	382	e2150	1390	e1350	157	280	774	2560	749
25	194	93	82	415	e2100	1410	e1350	148	389	885	2620	693
26	187	92	81	432	e2000	1580	e1300	140	419	944	2600	646
27	182	91	81	454	e1900	e1650	e1200	133	426	952	2530	605
28	176	90	83	e510	e1800	e1750	e1100	127	439	930	2410	571
29	169	89	85	e640	e1750	e1750	e1000	143	463	904	2280	542
30	164	88	86	e730	---	e1750	e950	169	512	894	2160	517
31	160	---	86	e820	---	e1750	---	178	---	866	2040	---
TOTAL	9539	3416	2641	7893	51320	49300	40950	10070	9356	19259	44150	36953
MEAN	308	114	85.2	255	1770	1590	1365	325	312	621	1424	1232
MAX	494	156	91	820	2250	1750	1750	860	561	952	2620	1940
MIN	160	88	81	85	870	1390	950	127	148	347	612	517
CFSM	.24	.09	.07	.20	1.40	1.26	1.08	.26	.25	.49	1.13	.98
IN.	.28	.10	.08	.23	1.52	1.46	1.21	.30	.28	.57	1.30	1.09

e Estimated

SUWANNEE RIVER BASIN

02314500 SUWANNEE RIVER AT FARGO, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1927 - 1992, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	1123	574	651	1058	1443	1838	1607	689	506	691	1153	1115
MAX	10150	8066	6426	5345	4867	6780	8330	2952	4258	2180	6278	6471
(WY)	1929	1948	1977	1942	1991	1984	1973	1928	1973	1946	1945	1964
MIN	.12	.13	.24	3.04	4.28	6.10	12.7	7.13	4.33	1.82	.20	.43
(WY)	1955	1932	1955	1955	1957	1955	1955	1955	1955	1954	1954	1954

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1927 - 1992	
ANNUAL TOTAL	657658		284847			
ANNUAL MEAN	1802				778	1048
HIGHEST ANNUAL MEAN			3512			1948
LOWEST ANNUAL MEAN					59.8	1955
HIGHEST DAILY MEAN	7160	Mar 11	2620	Aug 25	13800	Oct 1, 5, 6 1928
LOWEST DAILY MEAN	14	Jan 1	81	Dec 22,23,26,27	.00	Dec 5 1931
ANNUAL SEVEN-DAY MINIMUM	14	Jan 1	81	Dec 21	.00	Oct 28 1943
INSTANTANEOUS PEAK FLOW			2630	Aug 25	13800	Oct 1, 5, 6 1928
INSTANTANEOUS PEAK STAGE			11.36	Aug 25	21.01	Apr 9 1973
INSTANTANEOUS LOW FLOW			81	Dec 22,23,26-28	.00	a
ANNUAL RUNOFF (CFSM)	1.43		.62		.83	
ANNUAL RUNOFF (INCHES)	19.42		8.41		11.30	
10 PERCENT EXCEEDS	4700		1750		2710	
50 PERCENT EXCEEDS	1280		498		450	
90 PERCENT EXCEEDS	86		91		30	

a No flow at times in 1931, 1943, and 1954.

SUWANNEE RIVER BASIN

02314500 SUWANNEE RIVER AT FARGO, GA.--Continued

WATER-QUALITY RECORDS

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

REMARKS.--Laboratory chemical analyses 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 1991 TO SEPTEMBER 1992

DATE	TIME	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)
OCT 23...	0855	210	88	80	3.9	3.8	20.0	22.0	6.1	68
NOV 20...	0925	99	87	84	3.9	4.0	17.0	21.5	7.1	74
DEC 18...	0825	84	86	81	3.9	3.8	10.0	0.0	8.8	78
JAN 29...	0955	635	87	83	3.9	3.8	12.0	12.0	9.1	85
FEB 19...	1050	2250	88	81	3.7	3.8	15.0	18.0	7.2	72
MAR 18...	1035	1470	80	-	3.8	3.8	14.0	20.5	7.7	76
APR 23...	0945	1350	76	68	3.9	3.9	21.0	27.0	5.2	59
MAY 20...	0940	190	85	77	3.7	3.9	23.5	28.5	5.6	66
JUN 17...	0905	401	76	73	3.9	3.8	25.0	27.5	5.3	65
JUL 22...	0945	530	74	76	3.9	3.8	26.5	30.0	5.3	67
AUG 19...	0840	1630	75	74	3.9	3.8	25.0	27.5	5.0	61
SEP 23...	0945	815	82	78	3.9	3.8	25.0	29.0	4.7	58

DATE	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LITY WAT WH TOT 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)	TANNIN AND LIGNIN (MG/L)
OCT 23...	280	2.0	1.5	<20	<1	1	<0.020	0.070	0.040	52	13
NOV 20...	280	1.0	0.7	<20	<1	<1	<0.020	0.030	0.040	52	9.1
DEC 18...	300	1.0	0.8	230	<1	<1	<0.020	<0.030	0.040	48	9.7
JAN 29...	200	1.0	1.3	170	<1	2	<0.020	<0.030	0.060	44	6.4
FEB 19...	260	1.0	0.9	70	<1	<1	<0.020	<0.030	0.040	44	--
MAR 18...	250	1.0	0.8	20	<1	<1	<0.020	<0.030	0.070	50	--
APR 23...	320	2.0	1.0	<20	<1	<1	<0.020	<0.030	0.080	52	10
MAY 20...	400	2.0	1.6	<20	<1	<1	<0.020	0.070	0.050	51	9.7
JUN 17...	360	2.0	1.1	20	<1	-	<0.020	0.030	0.060	43	10
JUL 22...	280	3.0	1.9	65	<1	1	<0.020	<0.030	<0.020	45	9.4
AUG 19...	360	1.0	1.1	50	<1	5	<0.020	<0.030	0.050	52	12
SEP 23...	300	2.0	1.0	-	<1	1	<0.020	0.030	0.020	55	13

SUWANNEE RIVER BASIN

02316000 ALAPAHA RIVER NEAR ALAPAHA, GA.

LOCATION.--Lat 31°23'03", long 83°11'33", Berrien County, Hydrologic Unit 03110202, at bridge on U.S. Highway 82, 2 mi east of Alapaha, and 6 mi upstream from Willacoochee River.

DRAINAGE AREA.--663 mi².

PERIOD OF RECORD.--October 1969 to July 1990, September 1992. Water-discharge records for water years 1937-76 are published in reports of the U.S. Geological Survey.

REMARKS.--Traditionally, dissolved trace-element concentrations have been reported at the microgram per liter (µg/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 µg/L 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 1994.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	TIME	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)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)
SEP 03...	1000	600	50	51	6.0	6.0	24.0	6.0	72

DATE	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (NTU)	HARD-NESS TOTAL (MG/L AS CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	SODIUM AD-SORP-TION RATIO	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY WAT.DIS FET LAB CACO3 (MG/L)
SEP 03...	100	3.5	15	3.1	1.7	2.5	24	0.3	2.1

DATE	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, ORGANIC DIS-SOLVED (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC DIS. (MG/L AS N)
SEP 03...	0.057	0.060	0.040	0.060	0.96	0.74	1.0	0.80

DATE	NITRO-GEN, TOTAL (MG/L AS N)	NITRO-GEN, DIS-SOLVED (MG/L AS N)	PHOS-PHORUS TOTAL (MG/L AS P)	PHOS-PHORUS DIS-SOLVED (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)	ALUM-INUM, DIS-SOLVED (UG/L AS AL)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC DIS-SOLVED (UG/L AS AS)
SEP 03...	1.1	0.86	0.040	0.030	20	260	1	<1

DATE	CADMIUM DIS-SOLVED (UG/L AS CD)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR)	COPPER, DIS-SOLVED (UG/L AS CU)	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	LEAD, DIS-SOLVED (UG/L AS PB)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	MERCURY DIS-SOLVED (UG/L AS HG)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	ZINC, DIS-SOLVED (UG/L AS ZN)
SEP 03...	<1.0	<1	1	1300	2	<1	64	<0.10	<0.1	<1	4

SUWANNEE RIVER BASIN

02317500 ALAPAHA RIVER AT STATENVILLE, GA.

LOCATION.--Lat 30°42'14", long 83°02'00", Echols County, Hydrologic Unit 03110202, at downstream side of left bank pier of bridge on State Highway 94, 10.4 mi upstream from Alapahoochee River (Grand Bay Creek), 0.2 mi west of Statenville.

DRAINAGE AREA.--1,400 mi², approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--January to June 1921, October 1931 to current year. Monthly discharge only for October to December, 1931, published in WSP 1304.

REVISED RECORDS.--WSP 822: 1936, drainage area.

GAGE.--Water-stage recorder. Datum of gage is 76.77 ft above National Geodetic Vertical Datum of 1929 (levels by Georgia Department of Transportation). Jan. 28 to June 30, 1921, nonrecording gage at site 50 ft upstream at datum 2.10 ft higher. Dec. 10, 1931 to Nov. 30, 1949, nonrecording gage at site 200 ft upstream at present datum, and Dec. 1, 1949, to Nov. 22, 1952, nonrecording gage at same site and datum.

REMARKS.--Records good. Records of chemical analyses for the water years 1968-74 are published in reports of the U.S. Geological Survey. Periods of monthly discharge only are not included in statistics computations.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known since at least 1862, that of Apr. 6, 1948, from information by local resident.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 2,500 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Feb. 9	0700	5,010	19.55	Apr. 12	2000	3,080	13.28
Mar. 1	1400	*6,950	*24.49				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	119	64	47	84	3700	6920	2930	951	166	430	125	864
2	117	64	47	86	3980	6810	3020	849	143	440	116	803
3	113	64	51	89	4090	6540	3040	724	133	370	137	744
4	110	63	56	93	4150	6180	2950	613	148	333	197	701
5	106	63	53	104	4190	5710	2760	521	168	313	237	665
6	104	62	51	126	4420	5330	2590	445	199	292	240	645
7	100	60	50	146	4770	5130	2500	385	205	270	247	631
8	97	58	50	156	4950	4940	e2600	341	214	264	220	619
9	93	57	49	152	4990	4580	e2650	305	331	258	200	659
10	91	56	51	145	4850	4070	e2750	277	521	236	198	709
11	88	55	52	136	4510	3650	2900	256	380	212	190	725
12	86	54	55	128	4080	3380	3060	238	306	188	181	765
13	83	53	58	162	3760	3190	3030	224	287	170	168	825
14	81	53	57	945	3680	2990	2840	213	372	155	175	887
15	80	54	56	779	3780	2790	2540	200	462	141	195	879
16	86	55	56	563	3930	2610	2180	188	462	132	316	771
17	82	57	56	477	4030	2460	1830	179	453	124	491	630
18	78	56	57	468	4180	2350	1530	170	433	121	521	529
19	76	54	58	579	4400	2370	1300	162	425	126	576	469
20	74	53	59	764	4660	2480	1170	155	456	127	487	426
21	73	53	58	882	4900	2500	1300	149	477	113	408	387
22	73	54	57	967	5030	2430	1260	143	475	119	374	348
23	72	53	57	1130	5070	2230	1140	136	427	116	394	309
24	71	52	59	1400	5170	2290	1040	131	366	105	477	273
25	70	51	57	1500	5440	2350	1000	127	338	103	685	243
26	70	50	56	1610	5820	2720	984	121	326	120	778	218
27	68	50	56	1770	6190	2860	963	120	323	138	866	199
28	67	49	82	2030	6520	2870	955	130	347	169	951	190
29	65	48	101	2470	6810	2810	980	128	374	171	994	316
30	64	47	94	2890	---	2740	1000	139	395	155	989	386
31	64	---	90	3320	---	2800	---	173	---	137	936	---
TOTAL	2621	1662	1836	26151	136050	113080	60792	8893	10112	6148	13069	16815
MEAN	84.5	55.4	59.2	844	4691	3648	2026	287	337	198	422	560
MAX	119	64	101	3320	6810	6920	3060	951	521	440	994	887
MIN	64	47	47	84	3680	2230	955	120	133	103	116	190
CFSM	.06	.04	.04	.60	3.35	2.61	1.45	.20	.24	.14	.30	.40
IN.	.07	.04	.05	.69	3.62	3.00	1.62	.24	.27	.16	.35	.45

e Estimated

SUWANNEE RIVER BASIN

02317500 ALAPAHA RIVER AT STATENVILLE, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1921 - 1992, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	345	284	708	1329	2206	2618	2169	858	547	535	699	490
MAX	3722	5818	7155	4998	7391	7298	8328	3720	2526	1806	3589	2334
(WY)	1948	1948	1948	1987	1991	1991	1948	1944	1973	1964	1945	1935
MIN	28.4	21.0	33.7	35.8	77.6	129	165	77.2	46.9	38.8	29.4	25.6
(WY)	1969	1955	1955	1934	1934	1955	1968	1986	1955	1981	1954	1954,90

SUMMARY STATISTICS

FOR 1991 CALENDAR YEAR

FOR 1992 WATER YEAR

WATER YEARS 1921 - 1992

ANNUAL TOTAL	841178		397229									
ANNUAL MEAN	2305		1085								1074	
HIGHEST ANNUAL MEAN											3280	1948
LOWEST ANNUAL MEAN											127	1981
HIGHEST DAILY MEAN	16600	Feb 1	6920	Mar 1							26500	Apr 6 1948
LOWEST DAILY MEAN	47	Nov 30-Dec 2	47	Nov 30-Dec 2							17	Nov 10-13 1954
ANNUAL SEVEN-DAY MINIMUM	48	Nov 26	48	Nov 26							18	Nov 10 1954
INSTANTANEOUS PEAK FLOW			6950	Mar 1							27300	Apr 6 1948
INSTANTANEOUS PEAK STAGE			24.49	Mar 1							a29.80	Apr 6 1948
INSTANTANEOUS LOW FLOW			46	Dec 2, 3							16	Nov 13, 14 1954
ANNUAL RUNOFF (CFSM)	1.65		.78								.77	
ANNUAL RUNOFF (INCHES)	22.35		10.55								10.43	
10 PERCENT EXCEEDS	6740		3770								2900	
50 PERCENT EXCEEDS	1130		305								392	
90 PERCENT EXCEEDS	56		56								57	

a From graph based on gage readings.

SUWANNEE RIVER BASIN

02317500 ALAPAHA RIVER AT STATENVILLE, GA.--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--February 1968 to July 1974, September 1990 to current year.

REMARKS.--Laboratory analyses 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 by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	TIME	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)
OCT 23...	0955	75	48	46	6.8	6.4	21.0	23.5	8.1	92
FEB 19...	1050	4390	46	46	4.9	4.8	14.0	20.5	8.3	81
JUN 17...	1005	456	52	50	6.0	6.0	25.0	28.0	6.6	81
AUG 19...	0935	588	45	43	5.6	5.2	25.0	28.0	6.7	82

DATE	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LITY WAT WH TOT FET LAB MG/L AS CACO3	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)
OCT 23...	120	2.0	0.9	20	5	0.050	0.040	0.240	8.7
FEB 19...	160	7.0	1.3	700	2	0.030	<0.030	0.060	42
JUN 17...	240	6.0	1.4	130	10	0.240	0.030	0.160	21
AUG 19...	180	9.0	1.2	110	3	0.070	<0.030	0.180	26

SUWANNEE RIVER BASIN

02317718 NEW RIVER NEAR TIFTON, GA.

LOCATION.--Lat 31°26'33", long 83°28'33", Tift County, Hydrologic Unit 03110203, at bridge on U.S. Highway 82, 1.6 mi east of Tifton.
 DRAINAGE AREA.--10.4 mi².

PERIOD OF RECORD.--July 1979 to current year.

REMARKS.--Laboratory chemical analyses 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 1991 TO SEPTEMBER 1992

DATE	TIME	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)
OCT 22...	0650	4.0	825	823	7.6	7.7	23.0	16.0	6.9	82
NOV 18...	1010	8.0	940	944	7.6	7.9	21.0	16.0	7.8	89
DEC 15...	0855	4.0	820	800	7.6	7.7	18.0	6.0	8.2	87
JAN 27...	0905	16	285	286	7.2	7.0	13.0	9.5	8.7	83
FEB 18...	0940	135	85	82	6.5	6.5	15.0	15.5	7.8	79
MAR 16...	0915	10	285	285	7.2	7.3	14.0	8.0	8.2	80
APR 21...	0815	14	237	231	7.0	7.0	21.5	22.0	5.2	61
MAY 18...	0850	5.0	740	695	7.6	7.7	23.0	24.0	7.7	91
JUN 16...	0740	7.0	610	601	7.4	7.5	24.5	24.5	5.8	71
JUL 20...	0945	7.0	680	660	7.4	7.6	27.0	28.5	5.1	65
AUG 18...	0755	12	450	434	7.5	7.4	26.0	23.0	5.5	69
SEP 21...	0750	4.0	960	944	7.5	7.7	26.5	26.0	6.0	77

DATE	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LINITY WAT WH TOT 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)
OCT 22...	15	2.0	0.9	70	150	1	2.59	0.160	1.70	8.2
NOV 18...	10	1.0	0.7	230	160	1	4.39	0.080	0.840	10
DEC 15...	20	2.0	0.6	70	139	<1	3.86	0.110	1.21	7.8
JAN 27...	15	7.0	1.8	70	40	3	2.65	<0.030	0.370	6.7
FEB 18...	90	35	1.6	4900	11	20	0.650	0.050	0.090	11
MAR 16...	40	12	8.5	20	65	6	2.42	1.37	0.640	12
APR 21...	90	24	4.0	7900	47	10	1.46	0.090	0.660	12
MAY 18...	15	4.0	1.2	110	132	<1	3.28	0.110	1.56	10
JUN 16...	55	5.0	1.3	—	98	3	2.15	0.080	1.10	8.0
JUL 20...	40	1.0	—	3100	115	4	2.60	0.070	1.42	8.0
AUG 18...	50	7.0	1.0	790	81	3	2.07	0.080	0.860	8.0
SEP 21...	40	1.0	1.2	1700	153	<1	3.70	0.090	2.00	7.9

SUWANNEE RIVER BASIN

023177483 WITHLACOOCHEE RIVER AT MCMILLAN ROAD NEAR BEMISS, GA.

LOCATION.--Lat 30°56'50", long 83°16'22", Lowndes County, Hydrologic Unit 03110203, on downstream side of bridge pier on McMillan Road, 2.3 mi downstream from Cat Creek, and 3.0 mi northwest of Bemiss.

DRAINAGE AREA.--502 mi², approximately.

PERIOD OF RECORD.--June 1988 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 125 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

REMARKS.--Records good.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,600 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Feb. 3	1400	2,470	14.42	Feb. 21	1400	*4,820	*16.74

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13	12	5.6	70	1920	1270	1020	132	11	138	11	86
2	13	8.9	5.7	70	2200	1090	949	105	11	139	9.4	69
3	13	7.9	8.1	82	2440	876	851	86	12	120	8.4	59
4	14	8.4	19	97	2300	710	732	74	30	90	7.9	53
5	21	8.2	18	97	1970	577	629	62	46	74	9.0	56
6	31	7.1	25	84	1790	515	511	52	69	63	14	91
7	32	6.8	30	73	1740	635	409	42	97	62	15	117
8	30	8.0	26	65	1650	718	343	37	92	55	29	115
9	27	5.7	23	62	1740	756	294	32	98	42	74	132
10	24	5.9	30	64	1910	885	260	29	164	31	28	205
11	22	5.7	32	61	1990	1040	251	28	155	23	17	287
12	20	5.5	29	55	1840	989	306	24	163	19	12	253
13	18	16	27	128	1510	935	377	21	172	21	12	208
14	16	7.4	23	480	1170	941	373	20	199	17	52	165
15	15	4.2	22	393	957	910	308	18	360	12	148	117
16	18	3.8	20	323	1040	803	251	16	355	12	274	83
17	15	7.6	20	296	1300	645	212	14	308	13	214	63
18	14	5.2	22	277	2080	507	184	13	252	11	153	51
19	13	3.7	20	410	2850	545	160	13	204	22	123	40
20	13	3.5	20	573	3960	652	144	12	183	38	156	31
21	14	13	20	586	4710	630	145	11	137	23	196	25
22	14	4.9	21	530	4160	630	159	9.6	113	20	222	20
23	14	4.5	22	585	3090	873	160	8.4	95	42	255	17
24	16	3.6	25	793	2320	1210	189	7.4	73	141	321	15
25	17	3.2	24	938	1830	1190	211	7.5	57	112	349	15
26	16	3.1	24	1000	1460	985	283	7.9	43	36	418	13
27	14	3.4	25	942	1280	849	381	7.3	35	39	467	12
28	14	3.8	86	939	1270	798	354	8.3	32	22	405	12
29	15	4.0	106	1210	1330	851	243	10	31	17	254	11
30	16	4.4	88	1490	---	966	175	19	63	14	163	10
31	14	---	79	1760	---	1110	---	14	---	12	115	---
TOTAL	546	189.4	945.4	14533	59807	26091	10864	940.4	3660	1480	4531.7	2431
MEAN	17.6	6.31	30.5	469	2062	842	362	30.3	122	47.7	146	81.0
MAX	32	16	106	1760	4710	1270	1020	132	360	141	467	287
MIN	13	3.1	5.6	55	957	507	144	7.3	11	11	7.9	10
CFSM	.04	.01	.06	.93	4.11	1.68	.72	.06	.24	.10	.29	.16
IN.	.04	.01	.07	1.08	4.43	1.93	.81	.07	.27	.11	.34	.18

SUWANNEE RIVER BASIN

023177483 WITHLACOOCHEE RIVER AT MCMILLAN ROAD NEAR BEMISS, GA.

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1988 - 1992, BY WATER YEAR (WY)

MEAN	40.9	23.6	111	1107	1292	1271	349	192	182	452	487	105
MAX	94.4	50.2	354	2935	2062	3525	634	642	407	1655	2169	244
(WY)	1989	1990	1990	1991	1992	1991	1991	1991	1991	1991	1991	1988
MIN	9.94	6.31	27.6	32.9	72.6	246	173	18.2	5.57	7.02	3.90	1.23
(WY)	1991	1992	1991	1989	1989	1989	1989	1990	1990	1988	1990	1990

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1988 - 1992	
ANNUAL TOTAL	430350.8		126018.9		481	
ANNUAL MEAN	1179		344		1178	
HIGHEST ANNUAL MEAN					135	
LOWEST ANNUAL MEAN					19100	
HIGHEST DAILY MEAN	19100	Mar 5	4710	Feb 21	19100	Mar 5 1991
LOWEST DAILY MEAN	3.1	Nov 26	3.1	Nov 26	.51	Sep 24 1990
ANNUAL SEVEN-DAY MINIMUM	3.6	Nov 24	3.6	Nov 24	.65	Sep 21 1990
INSTANTANEOUS PEAK FLOW			4820	Feb 21	19500	Mar 5 1991
INSTANTANEOUS PEAK STAGE			16.74	Feb 21	22.44	Mar 5 1991
INSTANTANEOUS LOW FLOW			3.1	Nov 26	.48	Sep 23, 24 1990
ANNUAL RUNOFF (CFSM)	2.35		.69		.96	
ANNUAL RUNOFF (INCHES)	31.89		9.34		13.02	
10 PERCENT EXCEEDS	2760		1040		1070	
50 PERCENT EXCEEDS	453		63		62	
90 PERCENT EXCEEDS	13		8.4		5.8	

SUWANNEE RIVER BASIN

02317749 WITHLACOOCHIEE RIVER ABOVE VALDOSTA, GA.

LOCATION.--Lat 30°55'57", long 83°17'22", Lowndes County, Hydrologic Unit 03110203, at county highway bridge, 1.5 mi upstream from Bay Branch, and 7 mi north of Valdosta.

PERIOD OF RECORD.--November 1974 to current year.

REMARKS.--Laboratory analyses are provided 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 1991 TO SEPTEMBER 1992

DATE	TIME	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)
OCT 23...	1440	7.2	142	136	6.9	6.7	20.5	28.0	7.0	79
NOV 20...	1500	3.5	150	150	6.9	6.7	18.5	25.0	7.5	81
DEC 18...	1505	24	280	280	7.1	7.3	11.0	20.0	9.5	86
JAN 29...	1450	1100	77	77	6.6	5.8	11.0	12.0	9.6	88
FEB 19...	1515	1900	47	47	5.6	5.4	15.5	26.0	7.2	73
MAR 18...	1535	540	67	65	6.6	6.3	14.0	23.5	8.5	84
APR 23...	1500	130	98	93	6.7	6.4	21.0	30.5	6.5	74
MAY 20...	1355	11	127	117	6.5	6.6	22.0	30.0	5.4	62
JUN 17...	1320	275	112	109	6.6	6.5	24.0	31.0	6.4	77
JUL 22...	1420	17	100	99	6.8	6.7	27.5	33.0	6.0	77
AUG 19...	1315	115	150	148	6.8	6.6	24.5	28.0	6.2	75
SEP 23...	1420	12	137	129	6.9	6.7	26.0	32.0	5.9	74

DATE	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LITY WAT WH TOT FET LAB MG/L AS CACO3	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)
OCT 23...	70	4.0	0.9	40	18	0.360	0.060	0.170	13
NOV 20...	65	3.0	1.0	80	23	0.050	<0.030	0.170	11
DEC 18...	60	2.0	0.6	130	39	0.060	<0.030	0.120	12
JAN 29...	120	11	1.1	940	3	0.170	<0.030	0.110	<1.0
FEB 19...	160	12	2.0	1100	3	0.090	<0.030	0.080	18
MAR 18...	120	5.0	1.0	4600	8	0.190	0.040	0.130	17
APR 23...	160	6.0	0.9	90	9	0.350	0.050	0.210	15
MAY 20...	120	5.0	0.9	20	19	0.260	0.190	0.190	10
JUN 17...	140	8.0	1.6	330	11	0.180	0.040	0.170	18
JUL 22...	120	10	1.3	20	17	0.210	0.040	0.170	11
AUG 19...	160	8.0	1.4	170	14	0.170	<0.030	0.180	19
SEP 23...	120	5.0	0.6	20	22	0.180	0.040	0.130	17

SUWANNEE RIVER BASIN

02317757 WITHLACOOCHEE RIVER NEAR VALDOSTA, GA.

LOCATION.--Lat 30°51'00", long 83°20'23", Lowndes County, Hydrologic Unit 03110203, at bridge on State Highway 94, 0.8 mi upstream from Little River, and 4 mi northwest of Valdosta.

PERIOD OF RECORD.--November 1974 to current year.

REMARKS.--Streamflow includes return flow by city of Valdosta. Laboratory chemical analyses 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 1991 TO SEPTEMBER 1992

DATE	TIME	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)
OCT 23...	1340	2.5	113	109	6.9	6.9	21.0	27.0	6.0	68
NOV 20...	1350	5.2	112	112	6.9	6.7	19.0	24.5	5.7	62
DEC 18...	1340	E0.50	100	100	6.9	6.9	8.5	20.0	9.0	77
JAN 29...	1400	750	75	73	6.6	5.8	11.0	12.0	9.8	90
FEB 19...	1440	2150	46	47	5.7	5.6	15.5	26.0	7.2	73
MAR 18...	1450	670	65	63	6.6	6.3	14.0	23.5	8.0	79
APR 23...	1345	135	92	88	6.8	6.5	22.0	30.5	6.4	74
MAY 20...	1310	E3.0	118	107	6.6	6.8	21.5	29.0	6.3	72
JUN 17...	1245	305	104	101	6.6	6.5	24.0	31.0	6.2	75
JUL 22...	1340	12	93	92	7.0	6.9	27.0	32.0	6.5	83
AUG 19...	1225	185	86	84	6.7	6.4	24.5	28.0	6.0	73
SEP 23...	1340	8.0	110	108	7.0	6.8	26.0	32.0	6.5	82

DATE	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LITY WAT WH TOT FET LAB MG/L AS CaCO3	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)
OCT 23...	60	5.0	1.8	120	25	0.900	0.460	0.130	5.3
NOV 20...	30	3.0	1.7	20	25	0.720	0.260	0.180	6.7
DEC 18...	30	5.0	0.7	70	22	0.850	0.220	0.110	4.4
JAN 29...	110	14	2.1	330	4	0.220	<0.030	0.190	13
FEB 19...	160	19	1.6	14000	3	0.090	0.040	0.080	18
MAR 18...	120	6.0	1.0	940	9	0.200	0.080	0.120	16
APR 23...	150	6.0	1.6	80	13	0.320	0.080	0.220	14
MAY 20...	50	5.0	1.6	220	23	0.670	0.350	0.120	4.0
JUN 17...	140	14	1.6	110	10	0.190	0.090	0.190	15
JUL 22...	70	10	2.5	2300	17	0.400	0.140	0.130	7.0
AUG 19...	140	15	2.2	>240000	10	0.130	0.260	0.190	20
SEP 23...	50	4.0	1.1	150	26	0.550	0.220	0.030	7.8

SUWANNEE RIVER BASIN

02318014 INDIAN CREEK NEAR BERLIN, GA.

LOCATION.--Lat 31°05'43", long 83°35'04", Colquitt County, Hydrologic Unit 03110204, at county road 1753, 1.0 mile upstream from mouth, 1,000 ft downstream from Bear Creek, and 3.0 miles northeast of Berlin.

PERIOD OF RECORD.--July 1991 to current year.

REMARKS.--Laboratory chemical analyses 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 1991 TO SEPTEMBER 1992

DATE	TIME	GAGE HEIGHT (FEET)	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)
NOV 20...	1600	3.61	110	110	6.9	6.8	19.0	25.0	4.7	51
JAN 29...	1600	9.58	82	82	6.6	5.9	12.5	11.5	9.5	90
MAR 18...	1645	5.62	82	77	6.7	6.4	14.0	21.0	8.8	87
JUL 22...	1515	5.15	96	97	6.9	6.8	25.0	28.5	6.2	76
SEP 23...	1520	4.24	188	179	6.9	6.8	25.0	31.0	4.5	56

DATE	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LINITY WAT WH TOT FET LAB MG/L AS CACO3	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)
NOV 20...	50	6.0	2.5	20	27	<0.020	0.040	0.040	12
JAN 29...	130	18	2.3	790	4	0.900	0.050	0.170	14
MAR 18...	70	7.0	1.2	490	8	0.530	0.040	0.120	12
JUL 22...	140	8.0	2.3	3300	16	0.120	<0.030	0.170	16
SEP 23...	90	6.0	0.6	220	34	0.540	0.060	0.030	12

SUWANNEE RIVER BASIN

02318500 WITHLACOOCHIEE RIVER NEAR QUITMAN, GA.

LOCATION.--Lat 30°47'35", long 83°27'13", Brooks-Lowndes County line, Hydrologic Unit 03110203, on downstream right bank pier of abandoned bridge on old U.S. Highway 84, 4 mi upstream from Piscola Creek, 6 mi east of Quitman, and 9 mi downstream from Little River.

DRAINAGE AREA.--1,480 mi², approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1928 to December 1931, June 1937 to May 1948, October 1988 to May 1992 (discontinued).

REVISED RECORDS.--WSP 1304: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 84.30 ft above National Geodetic Vertical Datum of 1929. October 1, 1928 to December 11, 1931, nonrecording gage at same site at datum 5.0 ft lower. June 9, 1937 to May 31, 1948, nonrecording gage at same site and datum. May 19, 1949 to March 1, 1954, crest-stage gage at same site and datum. September 29, 1988 to May 4, 1989, water-stage recorder at site, 2,000 ft upstream at same datum.

REMARKS.--Records good to fair.

PEAK DISCHARGES FOR CURRENT PERIOD.--October 1991 to May 1992: Peak discharge greater than base discharge of 2,500 ft³/s, and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Feb. 6	1400	6,290	17.57	Mar. 11	2100	3,220	11.75
Feb. 24	0100	*13,100	*23.05	Mar. 27	0400	3,410	12.16

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	38	22	25	76	4640	4800	3200	436	--	--	--	--
2	38	22	25	83	4870	4640	3120	339	--	--	--	--
3	39	22	30	112	5230	4400	2850	267	--	--	--	--
4	37	22	65	131	5760	3940	2590	216	--	--	--	--
5	49	23	49	148	6120	3180	2280	178	--	--	--	--
6	52	24	43	153	6270	2440	1880	148	--	--	--	--
7	44	24	43	142	6090	2580	1580	128	--	--	--	--
8	38	24	41	130	5600	2390	1410	--	--	--	--	--
9	36	24	38	118	5130	2230	1230	--	--	--	--	--
10	34	24	42	110	4970	2310	1020	--	--	--	--	--
11	33	24	44	102	5070	3120	912	--	--	--	--	--
12	32	24	38	95	5160	3170	942	--	--	--	--	--
13	30	24	37	240	5110	3050	983	--	--	--	--	--
14	30	24	37	1130	4890	2980	979	--	--	--	--	--
15	31	24	37	863	4490	2930	887	--	--	--	--	--
16	63	24	35	699	3990	2740	756	--	--	--	--	--
17	41	23	35	669	3670	2340	644	--	--	--	--	--
18	33	21	36	737	4100	1900	558	--	--	--	--	--
19	29	23	36	911	4880	1830	491	--	--	--	--	--
20	27	23	36	1130	5920	2070	440	--	--	--	--	--
21	28	24	36	1310	7200	2040	445	--	--	--	--	--
22	32	24	36	1470	9490	1910	436	--	--	--	--	--
23	25	24	37	1870	12500	1990	417	--	--	--	--	--
24	24	24	40	2340	12600	2330	455	--	--	--	--	--
25	24	23	41	2490	10700	2790	585	--	--	--	--	--
26	23	23	37	2620	8680	3280	724	--	--	--	--	--
27	22	24	40	2750	7090	3390	867	--	--	--	--	--
28	21	24	132	2930	5900	3210	871	--	--	--	--	--
29	22	24	112	3380	5130	2840	720	--	--	--	--	--
30	21	24	102	3840	--	2670	558	--	--	--	--	--
31	21	--	86	4340	--	2970	--	--	--	--	--	--
TOTAL	1017	703	1471	37119	181250	88460	34830	--	--	--	--	--
MEAN	32.8	23.4	47.5	1197	6250	2854	1161	--	--	--	--	--
MAX	63	24	132	4340	12600	4800	3200	--	--	--	--	--
MIN	21	21	25	76	3670	1830	417	--	--	--	--	--
CFSM	.02	.02	.03	.81	4.22	1.93	.78	--	--	--	--	--
IN.	.03	.02	.04	.93	4.56	2.22	.88	--	--	--	--	--

SUWANNEE RIVER BASIN

02318500 WITHLACOOCHEE RIVER NEAR QUITMAN, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1929 - 1992, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	612	481	748	1794	2313	3376	2257	765	499	1025	948	366
MAX	4084	6921	7062	6492	6653	8974	11040	2767	1504	4962	4709	1129
(WY)	1930	1948	1948	1991	1991	1991	1948	1991	1991	1991	1991	1937
MIN	12.8	11.0	20.7	48.6	128	492	363	50.2	23.1	27.0	19.9	14.1
(WY)	1941	1941	1991	1989	1989	1938	1938	1938	1990	1990	1990	1990

SUMMARY STATISTICS

FOR 1991 CALENDAR YEAR FOR CURRENT PERIOD: October 91-May 92

WATER YEARS 1929 - 1992

ANNUAL TOTAL	1172714										1115	
ANNUAL MEAN	3213										3210	1991
HIGHEST ANNUAL MEAN											293	1941
LOWEST ANNUAL MEAN											61000	Apr 4 1948
HIGHEST DAILY MEAN	34900			Mar 7							6.8	Nov 10 1940
LOWEST DAILY MEAN	15			Jan 5							7.6	Nov 7 1940
ANNUAL SEVEN-DAY MINIMUM	16			Jan 1							66000	Apr 4 1948
INSTANTANEOUS PEAK FLOW						13,100		Feb 24			a31.70	Apr 4 1948
INSTANTANEOUS PEAK STAGE						23.05		Feb 24			5.9	c
INSTANTANEOUS LOW FLOW						21		b			.75	
ANNUAL RUNOFF (CFSM)	2.17										10.24	
ANNUAL RUNOFF (INCHES)	29.48										3370	
10 PERCENT EXCEEDS	8280										436	
50 PERCENT EXCEEDS	1800										22	
90 PERCENT EXCEEDS	24											

a From floodmarks.

b Oct 27 to Nov 2 and Nov 18.

c Nov 11-13, 1940 and Nov 21, 1942.

SUWANNEE RIVER BASIN

02318500 WITHLACOOCHEE RIVER NEAR QUITMAN, GA.--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--July 1977 to current year.

REMARKS.--Streamflow includes return flow by the City of Valdosta. Laboratory chemical analyses by 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 1991 TO SEPTEMBER 1992

DATE	TIME	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)
OCT 23...	1240	24	146	143	7.0	6.8	21.0	26.5	7.2	81
NOV 20...	1220	22	215	219	7.2	7.1	17.5	23.0	8.8	93
DEC 18...	1210	34	190	187	7.0	7.0	11.5	18.0	8.3	76
JAN 29...	1235	3400	73	71	6.7	5.9	11.0	12.0	10.0	91
FEB 19...	1315	4910	50	50	6.0	5.8	15.0	25.0	7.5	75
MAR 18...	1320	1880	63	63	6.7	6.5	14.0	24.0	8.3	81
APR 23...	1215	413	83	79	6.8	6.6	22.0	30.0	6.7	77
MAY 20...	1200	37	132	122	6.7	6.9	23.5	28.5	7.8	93
JUN 17...	1145	1060	72	67	6.5	6.4	24.5	28.0	6.2	75
JUL 22...	1230	63	128	125	7.1	6.9	28.5	31.5	7.2	94
AUG 19...	1125	429	70	68	6.6	6.3	25.0	28.0	6.2	76
SEP 23...	1230	44	135	131	7.0	6.9	26.0	32.0	6.9	87

DATE	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LITY WAT WH TOT FET LAB MG/L AS CACO3	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)
OCT 23...	70	3.0	1.0	<20	17	2.04	0.060	0.560	5.8
NOV 20...	20	2.0	1.4	20	27	3.51	<0.030	0.830	7.1
DEC 18...	30	2.0	0.7	75	25	2.61	0.050	0.660	6.4
JAN 29...	120	16	2.0	480	5	0.290	0.170	0.180	13
FEB 19...	170	28	1.5	3300	5	0.170	0.720	0.080	31
MAR 18...	120	7.0	1.3	80	11	0.190	0.050	0.120	17
APR 23...	120	9.0	1.2	65	13	0.570	0.050	0.210	12
MAY 20...	40	3.0	1.3	20	16	1.60	0.050	0.340	7.0
JUN 17...	150	24	1.9	80	90	0.280	0.060	0.190	15
JUL 22...	75	5.0	1.3	20	17	1.44	<0.030	0.330	8.0
AUG 19...	140	11	1.0	3100	7	0.260	0.100	0.160	18
SEP 23...	90	4.0	0.5	50	21	1.14	0.040	0.190	12

SUWANNEE RIVER BASIN

02318700 OKAPILCO CREEK AT STATE HIGHWAY 33, NEAR QUITMAN, GA.

LOCATION.--Lat 30°49'32", long 83°33'45", Brooks County, Hydrologic Unit 03110203, on downstream side of bridge pier on State Highway 33, 1.0 mi downstream from Coon Creek, and 3.0 mi north of Quitman.

DRAINAGE AREA.--269 mi², approximately.

PERIOD OF RECORD.--December 1979 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 110 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

REMARKS.--Records good, except those less than 20 ft³/s, which are fair.

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)
Feb. 3	0300	1,390	11.47	Feb. 20	1200	*3,310	*13.04
Feb. 10	1400	1,350	11.42	Feb. 28	1700	1,310	11.39

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.11	.00	.00	.01	947	950	718	33	26	110	22	105
2	.11	.00	.00	.01	1250	694	638	26	13	147	15	83
3	.10	.00	.00	.01	1380	527	645	21	30	148	11	65
4	.12	.00	.00	.03	1220	421	709	17	34	144	8.5	50
5	.90	.00	.00	.03	1000	346	585	13	42	136	7.1	39
6	3.2	.00	.00	.03	953	318	393	10	38	129	15	40
7	1.3	.00	.00	.03	782	609	271	8.4	55	127	27	33
8	.48	.00	.00	.02	732	563	206	6.9	124	102	35	26
9	.22	.00	.00	.01	1020	517	172	5.7	177	71	41	20
10	.14	.00	.00	.01	1330	571	154	4.6	299	48	56	16
11	.08	.00	.00	.01	1250	768	132	3.5	256	32	49	15
12	.05	.00	.00	.00	1070	735	119	2.5	245	23	44	20
13	.03	.00	.00	2.4	834	684	119	1.9	438	21	34	20
14	.02	.00	.00	.61	618	721	124	1.4	783	14	47	16
15	.02	.00	.00	.73	466	693	121	1.1	821	10	107	13
16	.07	.00	.00	.38	477	547	108	.88	651	8.8	153	9.7
17	.06	.00	.00	.32	673	403	97	.71	580	10	173	7.3
18	.03	.00	.00	.47	1510	307	84	.55	478	11	262	5.5
19	.01	.00	.00	.91	2390	352	70	.44	371	9.1	366	4.1
20	.01	.00	.00	142	3220	508	60	.33	282	8.5	394	3.0
21	.01	.00	.00	140	2900	533	62	.28	211	8.3	320	2.2
22	.01	.00	.00	127	2350	524	67	.24	161	8.1	309	1.7
23	.01	.00	.00	221	1910	541	68	.19	123	9.5	258	1.3
24	.01	.00	.00	383	1400	564	59	.15	104	22	249	1.4
25	.00	.00	.00	389	1090	532	65	.14	91	37	256	2.1
26	.00	.00	.00	406	946	534	82	.20	73	31	253	1.9
27	.00	.00	.00	529	946	483	93	.18	63	23	324	1.9
28	.00	.00	.00	661	1240	496	80	.46	79	19	353	1.5
29	.00	.00	.01	717	1220	568	59	1.2	92	30	299	1.2
30	.00	.00	.07	946	---	599	43	5.7	98	34	220	.89
31	.00	---	.02	872	---	637	---	59	---	32	147	---
TOTAL	7.10	0.00	0.10	5877.60	37124	17245	6203	226.65	6838	1563.3	4854.6	606.69
MEAN	.23	.000	.003	190	1280	556	207	7.31	228	50.4	157	20.2
MAX	3.2	.00	.07	946	3220	950	718	59	821	148	394	105
MIN	.00	.00	.00	.00	466	307	43	.14	13	8.1	7.1	.89
CFSM	.00	.00	.00	.70	4.76	2.07	.77	.03	.85	.19	.58	.08
IN.	.00	.00	.00	.81	5.13	2.38	.86	.03	.95	.22	.67	.08

SUWANNEE RIVER BASIN

02318700 OKAPILCO CREEK AT STATE HIGHWAY 33, NEAR QUITMAN, GA.

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1980 - 1992, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	4.00	28.1	159	469	778	770	404	87.8	59.5	122	133	39.7
MAX	22.6	276	839	1735	2614	2223	1160	507	228	788	791	257
(WY)	1990	1986	1986	1991	1986	1991	1983	1991	1992	1991	1991	1985
MIN	.000	.000	.000	.63	1.95	52.5	19.9	.39	.15	.000	.092	.000
(WY)	1982, 91	1991, 92	1991	1989	1989	1985	1985	1986	1990	1990	1990	1990

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR	FOR 1992 WATER YEAR	WATER YEARS 1980 - 1992
ANNUAL TOTAL	242212.78	80546.04	
ANNUAL MEAN	664	220	253
HIGHEST ANNUAL MEAN			664
LOWEST ANNUAL MEAN			36.4
HIGHEST DAILY MEAN	12600	Mar 4	14600
LOWEST DAILY MEAN	.00	a	.00
ANNUAL SEVEN-DAY MINIMUM	.00	c	.00
INSTANTANEOUS PEAK FLOW		3310	18500
INSTANTANEOUS PEAK STAGE		13.04	d18.75
ANNUAL RUNOFF (CFSM)	2.47	.82	.94
ANNUAL RUNOFF (INCHES)	33.50	11.14	12.77
10 PERCENT EXCEEDS	1240	698	729
50 PERCENT EXCEEDS	260	30	26
90 PERCENT EXCEEDS	.00	.00	.00

a No flow on many days.

b No flow at times most years.

c Many seven-day periods with no flow.

d From floodmarks.

SUWANNEE RIVER BASIN

02318725 OKAPILCO CREEK AT QUITMAN, GA.

LOCATION.--Lat 30°47'10", long 83°31'33", Brooks County, Hydrologic Unit 03110203, at U.S. Highways 84 and 221, 1.8 mi east of Quitman.

DRAINAGE AREA.--278 mi², approximately.

PERIOD OF RECORD.--November 1974 to current year. Published as Okapilco Creek near Quitman, water years 1974 through 1982.

REMARKS.--Laboratory chemical analyses 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 1991 TO SEPTEMBER 1992

DATE	TIME	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)
OCT 23...	1300	E0.30	90	88	6.8	6.6	20.0	26.5	5.6	62
NOV 20...	1250	E0.50	62	61	6.7	6.4	17.5	23.0	5.6	59
DEC 18...	1240	E0.60	85	80	6.6	6.6	13.5	18.0	5.3	51
JAN 29...	1315	600	80	79	6.6	5.8	11.0	12.0	8.9	81
FEB 19...	1400	1700	48	49	6.1	5.9	15.5	26.0	7.3	74
MAR 18...	1400	360	63	60	6.6	6.3	14.0	24.0	7.7	76
APR 23...	1305	E70	80	76	6.8	6.4	21.0	30.0	6.7	76
MAY 20...	1230	E0.40	98	92	6.7	6.7	23.0	28.5	7.1	83
JUN 17...	1210	580	62	61	6.2	6.2	24.0	29.0	5.4	65
JUL 22...	1300	E7.0	84	83	6.7	6.5	27.0	31.5	4.8	61
AUG 19...	1150	290	58	56	6.6	6.2	24.5	28.5	5.8	70
SEP 23...	1300	E3.0	98	92	6.8	6.5	26.0	32.0	5.0	63

DATE	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LITY WAT WH TOT FET LAB MG/L AS CACO3	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)
OCT 23...	100	5.0	2.1	20	17	0.090	0.040	0.190	8.5
NOV 20...	60	5.0	2.0	110	10	0.030	<0.030	0.060	9.7
DEC 18...	60	4.0	1.2	20	16	<0.030	0.040	0.140	9.1
JAN 29...	100	19	2.3	3300	4	0.500	<0.030	0.140	12
FEB 19...	140	28	1.9	2200	5	0.130	0.030	0.070	14
MAR 18...	100	10	0.9	130	8	0.230	0.120	0.120	>14
APR 23...	130	11	1.3	460	12	0.470	0.090	0.230	12
MAY 20...	130	5.0	3.4	130	18	0.030	<0.030	0.150	13
JUN 17...	170	22	1.6	140	8	0.160	0.060	0.150	16
JUL 22...	140	12	2.2	1800	15	0.130	0.040	0.210	14
AUG 19...	150	26	1.3	490	7	0.180	<0.030	0.150	16
SEP 23...	90	6.0	0.5	170	17	0.130	0.070	0.080	12

SUWANNEE RIVER BASIN

02318960 WITHLACOOCHIE RIVER NEAR CLYATTVILLE, GA.

LOCATION.--Lat 30°38'07", long 83°18'41", Lowndes County, Hydrologic Unit 03110203, at bridge on State Highway 31, 4.3 mi south of Clyattville.

DRAINAGE AREA.--2,030 mi², approximately.

PERIOD OF RECORD.--November 1974 to current year.

REMARKS.--Streamflow includes return flow by the City of Valdosta. Laboratory chemical analyses 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 1991 TO SEPTEMBER 1992

DATE	TIME	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)
OCT 23...	1130	185	230	226	7.5	7.6	21.0	24.5	5.0	57
NOV 20...	1115	130	247	248	7.4	7.7	19.5	25.0	5.5	60
DEC 18...	1100	105	245	243	7.5	7.9	14.0	15.0	6.0	58
JAN 29...	1120	3560	77	74	6.7	6.2	11.0	12.0	9.8	89
FEB 19...	1235	5480	55	51	6.1	6.1	15.0	22.0	7.8	78
MAR 18...	1220	3330	72	68	6.8	6.5	14.0	22.5	7.7	76
APR 23...	1125	830	118	113	7.0	7.0	21.5	29.0	5.4	62
MAY 20...	1120	150	217	200	7.2	7.6	22.0	28.5	9.8	113
JUN 17...	1105	2330	63	58	6.4	6.5	24.0	29.5	5.9	71
JUL 22...	1125	200	165	173	7.3	7.4	25.0	30.0	5.0	61
AUG 19...	1030	1030	73	69	6.7	6.7	25.0	28.0	5.8	71
SEP 23...	1120	150	200	—	7.1	7.7	24.0	30.0	4.6	56

DATE	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	OXYGEN DEMAND, CHEM- ICAL (LOW LEVEL) (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LITY WAT WH TOT FET LAB MG/L AS CaCO3	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L)
OCT 23...	20	1.0	22	0.4	—	93	—
NOV 20...	5	<1.0	21	0.6	<20	97	<1
DEC 18...	10	1.0	6	0.3	20	98	<1
JAN 29...	110	17	48	2.0	110	5	7
FEB 19...	150	21	41	1.2	1700	6	8
MAR 18...	110	7.0	40	0.6	50	14	2
APR 23...	80	6.0	25	1.0	50	35	2
MAY 20...	30	2.0	16	1.4	<20	82	<1
JUN 17...	180	28	47	1.5	130	8	12
JUL 22...	60	3.0	—	1.4	—	64	<1
AUG 19...	150	14	—	1.3	170	13	13
SEP 23...	40	3.0	—	0.3	80	77	<1

SUWANNEE RIVER BASIN

02318960 WITHLACOOCHEE RIVER NEAR CLYATTVILLE, GA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	NITRO- GEN, NO ₂ +NO ₃ TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT							
23...	0.420	0.040	0.06	0.10	0.52	0.160	3.1
NOV							
20...	0.330	<0.030	—	0.20	0.53	0.100	3.0
DEC							
18...	0.650	<0.030	—	<0.10	—	0.200	2.5
JAN							
29...	0.330	<0.030	—	0.50	0.83	0.160	9.3
FEB							
19...	0.180	0.030	0.57	0.60	0.78	0.080	15
MAR							
18...	0.170	0.060	0.24	0.30	0.47	0.120	18
APR							
23...	0.440	0.080	0.22	0.30	0.74	0.170	9.8
MAY							
20...	0.270	<0.030	—	0.20	0.47	0.140	10
JUN							
17...	0.200	0.050	1.2	1.2	1.4	0.140	16
JUL							
22...	0.370	<0.030	—	—	—	0.140	6.0
AUG							
19...	0.220	0.040	—	—	—	0.140	18
SEP							
23...	0.330	<0.030	—	—	—	0.070	6.4

OCHLOCKONEE RIVER BASIN

02327205 OCHLOCKONEE RIVER NEAR MOULTRIE, GA.

LOCATION.--Lat 31°08'31", long 83°48'13", Colquitt County, Hydrologic Unit 03120002, at bridge on county road 1 mi from U.S. Highway 319, and 3.0 mi south of Moultrie.

DRAINAGE AREA.--103 mi².

PERIOD OF RECORD.--July 1979 to current year.

REMARKS.--Laboratory chemical analyses 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 1991 TO SEPTEMBER 1992

DATE	TIME	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)
OCT 24...	0840	4.0	975	955	7.2	7.2	21.0	21.5	3.3	38
NOV 21...	0930	12	1630	1110	7.2	7.2	19.5	23.0	2.1	23
DEC 19...	0910	7.2	950	942	7.2	7.3	8.0	3.0	7.1	60
JAN 30...	0910	550	78	78	6.8	6.3	11.0	10.0	9.0	83
FEB 20...	0945	1050	43	43	6.3	6.4	14.5	11.0	7.4	73
MAR 19...	0945	172	96	90	6.7	6.4	14.5	18.0	7.2	72
APR 22...	0840	57	138	133	6.6	6.6	20.0	18.5	5.1	57
MAY 21...	0805	6.0	920	884	7.0	7.2	22.0	20.0	3.6	42
JUN 18...	0810	260	72	67	6.3	6.3	23.0	24.5	5.2	62
JUL 23...	0900	25	170	169	6.7	6.8	25.0	26.0	5.0	61
AUG 20...	0810	14	245	242	6.8	6.9	24.0	23.0	4.5	54
SEP 24...	0810	4.6	965	913	7.1	7.3	25.0	18.0	3.9	48

DATE	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LITY WAT WH TOT 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)
OCT 24...	10	2.0	1.2	130	84	1	8.82	0.180	1.49	6.7
NOV 21...	30	1.0	1.1	790	87	4	10.8	0.150	1.61	5.4
DEC 19...	15	5.0	-	1100	77	1	13.6	0.180	1.56	10
JAN 30...	110	16	2.0	950	6	6	0.600	0.120	0.210	10
FEB 20...	160	68	1.3	330	7	-	0.270	0.080	0.100	11
MAR 19...	90	17	3.6	7900	11	12	0.640	0.100	0.170	9.8
APR 22...	110	20	2.3	35000	18	14	1.31	0.110	0.340	11
MAY 21...	20	4.0	1.3	330	73	4	9.86	0.140	1.08	6.0
JUN 18...	170	34	2.1	270	7	6	0.340	0.080	0.280	14
JUL 23...	120	23	1.4	490	16	4	0.170	0.050	0.240	13
AUG 20...	90	10	1.2	7900	27	4	2.12	0.080	0.390	11
SEP 24...	10	2.0	0.8	490	91	<1	9.90	0.130	1.11	5.2

OCHLOCKONEE RIVER BASIN

02327500 OCHLOCKONEE RIVER NEAR THOMASVILLE, GA.

LOCATION.--Lat 30°52'32", long 84°02'44", Thomas County, Hydrologic Unit 03120002, at bridge on U.S. Highway 84, 2 mi upstream from Seaboard Coast Line Railroad bridge, 4 mi upstream from Barnetts Creek, 5 mi northwest of Thomasville, and 6 mi downstream from Little Ochlockonee River.

DRAINAGE AREA.--550 mi², approximately.

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

REMARKS.--Laboratory chemical analyses 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. Records of discharge for the water years 1937-71 are published in reports of the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	TIME	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)
OCT										
24...	0950	17	340	335	7.1	7.1	20.5	24.0	6.4	72
NOV										
21...	1045	E10	450	487	7.2	7.2	19.0	26.0	6.3	69
DEC										
19...	1025	26	362	357	7.1	7.2	9.0	8.0	7.6	65
JAN										
30...	1025	1870	68	67	6.9	6.2	11.0	10.0	9.0	83
FEB										
20...	1045	7440	42	42	6.0	5.8	15.5	15.0	7.2	72
MAR										
19...	1045	683	74	72	6.7	6.5	15.0	24.0	8.2	83
APR										
22...	0935	193	128	123	6.8	6.6	20.5	21.0	5.9	66
MAY										
21...	0850	23	272	252	6.8	6.9	22.0	22.5	5.1	59
JUN										
18...	0910	925	74	70	6.4	6.5	23.5	25.0	5.6	67
JUL										
23...	0850	210	85	83	6.8	6.7	25.5	28.5	5.9	73
AUG										
20...	0905	300	105	102	6.9	6.8	24.0	24.0	5.5	66
SEP										
24...	0900	23	310	305	6.9	6.9	25.0	20.0	4.8	59

DATE	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LITY WAT WH TOT FET LAB MG/L AS CACO3	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)
OCT									
24...	20	5.0	1.0	50	52	1.64	0.090	0.710	6.8
NOV									
21...	35	5.0	1.1	50	71	2.94	0.090	1.30	9.3
DEC									
19...	55	5.0	—	230	46	1.99	<0.030	0.810	8.1
JAN									
30...	110	20	1.3	460	5	0.340	<0.030	0.130	10
FEB									
20...	120	23	1.6	1700	4	0.130	<0.030	0.070	16
MAR									
19...	80	13	2.3	330	11	0.360	0.060	0.160	10
APR									
22...	110	12	1.2	330	19	0.850	0.080	0.290	9.6
MAY									
21...	60	7.0	1.3	<20	39	1.55	0.090	0.550	6.0
JUN									
18...	140	19	2.1	170	12	0.310	0.080	0.310	14
JUL									
23...	120	28	1.5	110	13	0.310	0.030	0.160	9.0
AUG									
20...	120	33	1.0	5800	18	0.420	0.050	0.210	12
SEP									
24...	50	7.0	1.3	60	43	1.42	0.100	0.620	8.1

OCHLOCKONEE RIVER BASIN

02328200 OCHLOCKONEE RIVER NEAR CALVARY, GA.

LOCATION.--Lat 30°43'53", long 84°14'12", Grady County, Hydrologic Unit 03120003, at county highway bridge, 1.5 mi downstream from Tired Creek, and 6.5 mi east of Calvary.

DRAINAGE AREA.--930 mi², approximately.

PERIOD OF RECORD.--August 1974 to current year.

REMARKS.--Laboratory chemical analyses 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 1991 TO SEPTEMBER 1992

DATE	TIME	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)
OCT 24...	1035	72	260	220	7.1	7.1	25.0	21.0	7.1	87
NOV 21...	1125	47	332	307	7.2	7.2	19.0	26.0	7.3	80
DEC 19...	1100	94	274	278	7.1	7.3	8.0	7.5	10.0	84
JAN 30...	1100	2210	107	--	6.8	6.4	11.0	10.5	9.0	83
FEB 20...	1115	8000	43	43	6.1	5.9	15.0	16.0	6.9	69
MAR 19...	1120	1580	92	85	6.7	6.4	15.0	25.0	7.8	79
APR 22...	1015	450	142	135	6.7	6.7	21.0	22.0	6.2	70
MAY 21...	0920	70	204	196	6.9	7.0	22.0	24.0	6.2	71
JUN 18...	0940	3520	73	71	6.4	6.5	23.5	27.0	5.3	63
JUL 23...	0930	410	116	111	7.0	6.9	26.0	30.0	6.0	75
AUG 20...	0935	1070	118	114	6.8	6.7	24.0	24.0	6.3	76
SEP 24...	0935	79	188	177	6.8	6.9	24.0	21.0	5.7	69

DATE	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LINITY WAT WH TOT 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)
OCT 24...	35	10	1.1	20	40	4	1.59	0.100	0.350	7.6
NOV 21...	35	7.0	1.0	50	40	4	1.92	0.070	0.230	7.0
DEC 19...	50	7.0	--	330	34	2	1.03	0.230	0.300	7.7
JAN 30...	110	18	1.5	790	6	10	0.430	<0.030	0.130	9.3
FEB 20...	140	30	2.0	460	6	11	0.120	<0.030	0.080	13
MAR 19...	110	13	1.5	110	11	4	0.340	0.080	0.140	10
APR 22...	100	14	0.9	700	18	9	0.920	0.090	0.250	9.1
MAY 21...	60	8.0	1.3	50	34	2	0.840	0.070	0.240	5.0
JUN 18...	120	25	1.9	80	9	5	0.180	0.060	0.330	15
JUL 23...	90	17	1.1	1700	19	9	0.530	0.040	0.170	8.0
AUG 20...	110	24	1.2	4900	11	21	0.370	0.040	0.170	12
SEP 24...	60	10	0.9	20	35	5	0.730	0.060	0.280	7.5

APALACHICOLA RIVER BASIN

02330450 CHATTAHOOCHEE RIVER AT HELEN, GA.

LOCATION.--Lat 34°42'03", long 83°43'44", White County, Hydrologic Unit 03130001, on downstream side of bridge on Georgia Highways 17 and 75 at Helen, and 1.1 mi downstream from Smith Creek.

DRAINAGE AREA.--44.7 mi².

PERIOD OF RECORD.--May 1981 to current year. Miscellaneous low-flow measurements, water years 1953, 1955.

GAGE.--Water-stage recorder. Datum of gage is 1,404.04 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Records good. Some regulation at low-flow on Smith Creek by Unicoi Lake at Unicoi State Park.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of August 23, 1967, reached a discharge of 11,000 ft³/s from contracted-opening computation at highway bridge 2 mi downstream at a drainage area of 48.2 mi².

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

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Nov. 22	0615	1,490	3.83	Aug. 28	0245	*2,590	*5.07

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	78	90	136	113	100	199	176	143	97	133	62	125
2	78	73	286	112	97	186	169	138	95	159	58	117
3	77	62	410	261	96	177	165	135	176	133	57	112
4	76	60	264	182	95	170	163	131	385	109	56	149
5	79	60	183	153	95	178	157	129	233	98	55	330
6	75	59	154	139	92	529	153	133	166	95	56	181
7	73	59	137	128	91	387	155	141	142	88	57	162
8	73	58	126	127	88	284	150	179	134	83	57	146
9	73	58	130	138	86	247	147	156	165	80	54	133
10	72	62	126	143	85	329	144	137	148	78	52	130
11	71	58	114	138	85	278	245	130	141	77	58	119
12	69	57	110	136	85	249	223	126	164	74	75	113
13	68	56	108	156	87	230	187	129	188	72	129	108
14	68	56	126	181	85	217	172	129	189	75	77	104
15	76	56	108	168	273	206	166	120	169	79	85	101
16	69	57	104	159	160	196	159	116	152	76	79	98
17	67	56	102	164	136	189	155	113	142	95	77	96
18	65	56	98	175	133	218	150	124	135	86	73	110
19	65	67	95	164	147	315	156	131	128	73	64	105
20	65	62	93	154	130	251	202	126	120	70	62	99
21	65	251	95	140	121	226	309	116	115	73	69	168
22	65	603	95	102	116	228	238	110	110	92	312	238
23	65	175	109	256	249	243	200	107	108	89	177	172
24	65	121	108	153	196	216	185	105	105	88	122	134
25	64	101	97	130	460	213	177	105	113	73	100	121
26	64	92	94	119	515	220	166	101	121	72	90	118
27	64	86	93	113	318	202	159	99	107	72	117	129
28	63	82	188	112	255	191	154	98	100	66	939	140
29	61	81	169	109	222	185	149	118	100	62	252	138
30	61	87	134	107	---	193	147	119	102	61	172	120
31	61	---	120	104	---	186	---	102	---	60	142	---
TOTAL	2135	2901	4312	4536	4698	7338	5278	3846	4350	2641	3835	4116
MEAN	68.9	96.7	139	146	162	237	176	124	145	85.2	124	137
MAX	79	603	410	261	515	529	309	179	385	159	939	330
MIN	61	56	93	102	85	170	144	98	95	60	52	96
CFSM	1.54	2.16	3.11	3.27	3.62	5.30	3.94	2.78	3.24	1.91	2.77	3.07
IN.	1.78	2.41	3.59	3.77	3.91	6.11	4.39	3.20	3.62	2.20	3.19	3.43

APALACHICOLA RIVER BASIN

02330450 CHATTAHOOCHEE RIVER AT HELEN, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1981 - 1992, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	77.2	85.1	140	146	193	202	190	146	114	95.3	83.8	75.1
MAX	200	121	311	200	408	418	382	305	255	268	148	137
(WY)	1990	1990	1983	1990	1990	1990	1983	1984	1989	1989	1991	1992
MIN	25.9	39.5	52.3	71.8	78.6	72.3	73.8	63.0	44.4	30.9	30.2	34.5
(WY)	1988	1988	1988	1985	1986	1988	1986	1986	1986	1986	1986	1986

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1981 - 1992	
ANNUAL TOTAL	60154		49986			
ANNUAL MEAN	165		137		129	
HIGHEST ANNUAL MEAN					180	
LOWEST ANNUAL MEAN					66.4	
HIGHEST DAILY MEAN	1060		939		2000	
LOWEST DAILY MEAN	56		52		20	
ANNUAL SEVEN-DAY MINIMUM	56		55		22	
INSTANTANEOUS PEAK FLOW			2590		3850	
INSTANTANEOUS PEAK STAGE			5.07		5.94	
INSTANTANEOUS LOW FLOW			51		19	
ANNUAL RUNOFF (CFSM)	3.69		3.06		2.89	
ANNUAL RUNOFF (INCHES)	50.06		41.60		39.25	
10 PERCENT EXCEEDS	259		224		242	
50 PERCENT EXCEEDS	147		119		97	
90 PERCENT EXCEEDS	69		64		41	

a November 13-15, 17, 18.

APALACHICOLA RIVER BASIN

02330453 CHATTAHOOCHEE RIVER AT NACOOCHEE, GA.

LOCATION.--Lat 34°41'13", long 83°42'37", White County, Hydrologic Unit 03130001, at bridge on State Highways 17 and 75 at Nacoochee, 700 ft north of the intersection of State Highways 17 and 25, and 1.0 mi upstream from Dukes Creek.

DRAINAGE AREA.--47.5 mi², revised.

PERIOD OF RECORD.--July 1977 to May 1979, July 1990 to current year.

REMARKS.--Laboratory analyses 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 by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	TIME	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)
NOV 12...	1000	70	17	17	7.0	6.6	6.0	9.5	—	—
JAN 15...	1200	175	16	14	6.8	6.4	5.5	5.5	14.6	122
MAR 10...	1030	540	15	15	6.8	6.6	12.0	15.0	11.8	116
MAY 19...	0930	125	17	14	7.3	6.6	16.0	24.0	9.1	96
JUL 14...	0850	80	—	16	—	6.5	20.0	28.0	7.6	—
SEP 08...	0830	150	—	14	7.1	6.5	18.0	22.5	9.0	—

DATE	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LITY WAT WH TOT FET LAB MG/L AS CaCO3	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)
NOV 12...	<1.0	0.2	20	7	0.020	<0.030	0.080	<1.0
JAN 15...	1.0	1.0	50	5	<0.020	0.210	0.160	3.3
MAR 10...	66	1.3	25300	5	0.070	0.040	0.100	5.2
MAY 19...	3.0	0.3	230	6	0.030	<0.030	0.030	1.0
JUL 14...	2.0	1.0	270	6	0.060	0.040	0.070	2.0
SEP 08...	2.0	0.1	230	5	0.040	<0.030	0.040	1.0

APALACHICOLA RIVER BASIN

02331600 CHATTAHOOCHEE RIVER NEAR CORNELIA, GA.

LOCATION.--Lat 34°32'27", long 83°37'14", Habersham-White County line, Hydrologic Unit 03130001, on downstream side of bridge on Duncan Bridge Road (Georgia Highway 384), 1 mi downstream from Soque River, 6 mi northwest of Cornelia, and at mile 401.4.

DRAINAGE AREA.--315 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--August 1957 to current year.

REVISED RECORDS.--WSP 2106: 1963(M).

GAGE.--Water-stage recorder. Datum of gage is 1,128.53 ft above National Geodetic Vertical Datum of 1929 (levels by U.S. Army Corps of Engineers). Prior to June 28, 1977 and after June 16, 1992, at site 1,000 ft upstream at same datum.

REMARKS.--Records good. Some regulation at low flow from Habersham Mill powerplant.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 6,200 ft³/s and maximum (*)

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Feb. 25	2030	7,910	7.74	Aug. 28	0800	*8,840	*8.50

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	479	442	861	637	622	1120	996	778	582	693	382	765
2	484	577	1210	627	614	1050	964	749	564	783	359	681
3	487	451	1760	1720	610	993	944	737	759	849	355	645
4	475	434	1380	1140	598	956	926	720	2170	698	343	726
5	473	416	926	863	594	940	917	705	1330	626	336	1570
6	465	417	776	773	580	2070	899	707	922	607	336	1010
7	448	415	702	725	571	2000	904	761	789	558	358	850
8	444	405	662	671	550	1430	891	986	764	540	362	811
9	443	404	639	667	552	1230	861	926	881	531	351	757
10	445	449	681	656	549	1500	855	777	951	518	340	691
11	438	431	605	619	544	1440	1020	745	825	511	364	655
12	424	406	583	627	541	1230	1140	711	1060	507	343	606
13	423	404	574	683	550	1140	986	723	1080	498	798	602
14	425	398	655	967	551	1080	914	787	1230	480	701	585
15	460	400	610	775	2070	1050	898	703	1230	478	463	557
16	450	387	568	705	1450	1010	887	672	958	481	518	541
17	423	395	542	678	983	980	850	657	846	467	515	529
18	414	401	519	684	925	1010	832	652	793	657	597	558
19	397	443	517	670	938	2250	828	700	758	495	435	657
20	408	428	499	648	843	1390	947	734	706	447	401	572
21	410	812	497	618	774	1190	1340	659	669	441	668	743
22	409	2190	489	580	737	1170	1160	629	640	525	2540	1350
23	406	1010	540	1670	1490	1560	983	606	619	613	1880	1080
24	406	700	704	1130	1390	1220	917	596	605	528	1210	776
25	403	592	558	856	3260	1140	885	591	585	489	816	676
26	391	532	537	781	4540	1250	850	589	661	442	668	629
27	403	495	511	732	1930	1130	831	578	656	452	740	762
28	399	482	968	725	1440	1060	814	563	674	431	4730	773
29	382	480	1170	691	1250	1030	794	635	628	395	1580	774
30	376	504	805	669	---	1050	786	722	602	381	1080	666
31	380	---	682	647	---	1060	---	631	---	375	884	---
TOTAL	13270	16300	22730	24634	32046	38729	27819	21729	25537	16496	25453	22597
MEAN	428	543	733	795	1105	1249	927	701	851	532	821	753
MAX	487	2190	1760	1720	4540	2250	1340	986	2170	849	4730	1570
MIN	376	387	489	580	541	940	786	563	564	375	336	529
CFSM	1.36	1.72	2.33	2.52	3.51	3.97	2.94	2.23	2.70	1.69	2.61	2.39
IN.	1.57	1.92	2.68	2.91	3.78	4.57	3.29	2.57	3.02	1.95	3.01	2.67

APALACHICOLA RIVER BASIN

02331600 CHATTAHOOCHEE RIVER NEAR CORNELIA, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1957 - 1992, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	535	591	789	947	1085	1256	1169	962	763	637	610	510
MAX	1287	1321	1909	1707	1823	2376	2385	2043	1487	1165	1926	1058
(WY)	1990	1978	1962	1978	1990	1980	1964	1973	1973	1989	1967	1967
MIN	204	257	310	293	426	449	368	324	227	166	179	273
(WY)	1988	1982	1966	1981	1986	1988	1986	1986	1986	1986	1986	1986

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1957 - 1992	
ANNUAL TOTAL	331471		287340		821	
ANNUAL MEAN	908		785		1198	
HIGHEST ANNUAL MEAN					370	
LOWEST ANNUAL MEAN					15800	
HIGHEST DAILY MEAN	5980	Aug 26	4730	Aug 28	Aug 23 1967	
LOWEST DAILY MEAN	376	Oct 30	336	Aug 5, 6	91	
ANNUAL SEVEN-DAY MINIMUM	391	Oct 25	347	Aug 4	124	
INSTANTANEOUS PEAK FLOW			8840	Aug 28	a26400	
INSTANTANEOUS PEAK STAGE			8.50	Aug 28	20.55	
ANNUAL RUNOFF (CFSM)	2.88		2.49		2.61	
ANNUAL RUNOFF (INCHES)	39.15		33.93		35.40	
10 PERCENT EXCEEDS	1340		1220		1350	
50 PERCENT EXCEEDS	835		669		666	
90 PERCENT EXCEEDS	443		409		324	

a From rating curve extended above 17,000 ft³/s on basis of contracted-opening measurement of peak flow.

APALACHICOLA RIVER BASIN

02331600 CHATTAHOOCHEE RIVER NEAR CORNELIA, GA.--Continued

WATER-QUALITY RECORDS

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

REMARKS.--Laboratory analyses with the analyzing code 80113 and 84213 are by the U.S. Geological Survey. Laboratory chemical analyses with the analyzing code 81341 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 1991 TO SEPTEMBER 1992

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)
OCT											
09...	0940	81341	438	30	29	6.6	6.8	11.5	15.0	9.7	92
DEC											
10...	0645	81341	726	29	28	7.3	7.0	10.0	4.0	10.2	94
FEB											
11...	0545	81341	544	27	27	7.0	7.2	6.0	4.0	12.0	99
APR											
14...	0500	81341	918	30	27	6.9	6.8	16.0	7.0	10.2	106
JUN											
09...	0730	81341	802	34	25	6.6	6.8	19.5	22.0	8.0	91
AUG											
11...	0500	81341	380	39	28	7.2	6.9	23.0	19.0	7.5	91

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER)	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LITY WAT WH TOT FET LAB MG/L AS CACO3	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)
OCT									
09...	81341	4.0	1.8	130	10	0.260	0.040	0.040	2.6
DEC									
10...	81341	4.0	0.7	490	9	0.040	0.050	0.070	1.3
FEB									
11...	81341	3.0	1.0	80	10	0.350	<0.030	0.070	<1.0
APR									
14...	81341	8.0	0.6	270	6	0.340	0.090	0.050	1.6
JUN									
09...	81341	15	0.5	2300	8	0.290	<0.030	0.060	4.0
AUG									
11...	81341	9.0	0.6	220	9	0.340	<0.030	0.080	2.0

APALACHICOLA RIVER BASIN

02331600 CHATTAHOOCHEE RIVER NEAR CORNELIA, GA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER)	DIS- CHARGE, INST. CUBIC FEET PER SECOND	TEMPER- ATURE WATER (DEG C)	SEDI- MENT, SUS- PENDED (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (T/DAY)
OCT						
03...	1124	80113	520	17.0	5	7.0
03...	1129	80113	520	17.0	5	7.0
NOV						
15...	1100	80113	389	8.0	9	9.5
15...	1105	80113	389	8.0	7	7.4
DEC						
19...	1222	80113	506	4.0	10	14
19...	1227	80113	506	4.0	12	16
FEB						
26...	0227	80113	5860	—	567	8970
MAR						
17...	1153	80113	1000	7.5	11	30
17...	1158	80113	1000	7.5	6	16
APR						
30...	0925	80113	744	13.5	3	6.0
30...	0930	80113	744	13.5	5	10
JUN						
10...	1037	80113	894	19.5	16	39
10...	1042	80113	894	19.5	17	41
JUL						
16...	1053	80113	497	23.0	8	11
16...	1058	80113	497	23.0	7	9.4
AUG						
27...	0956	80113	596	21.5	3	4.8

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER)	DIS- CHARGE, INST. CUBIC FEET PER SECOND	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
FEB				
26...	0222	80113	5860	45

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER)	CHARGE, INST. CUBIC FEET PER SECOND	DIS- MAT. SIEVE DIAM. % FINER THAN .062 MM	BED MAT. SIEVE DIAM. % FINER THAN .125 MM	BED MAT. SIEVE DIAM. % FINER THAN .250 MM	BED MAT. SIEVE DIAM. % FINER THAN .500 MM	BED MAT. SIEVE DIAM. % FINER THAN 1.00 MM	BED MAT. SIEVE DIAM. % FINER THAN 2.00 MM	BED MAT. SIEVE DIAM. % FINER THAN 4.00 MM	BED MAT. SIEVE DIAM. % FINER THAN 8.00 MM	BEDBED MAT. SIEVE DIAM. % FINER THAN 16.0 MM
SEP												
02...	1129	84213	688	<1	3	12	29	55	71	86	99	100
02...	1130	84213	688	<1	<1	2	17	82	94	96	97	100
02...	1131	84213	688	<1	1	2	15	78	96	100	100	100
02...	1132	84213	688	2	7	14	41	96	100	100	100	100
24...	1202	84213	769	<1	<1	4	20	78	94	98	100	100
24...	1203	84213	769	<1	1	4	14	59	85	95	100	100
24...	1204	84213	769	<1	<1	1	14	82	96	99	100	100
24...	1205	84213	769	<1	1	2	9	50	83	97	100	100

APALACHICOLA RIVER BASIN

02333105 DICKS CREEK NEAR NEELS GAP, GA.

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

DRAINAGE AREA.--9.01 mi², revised.

PERIOD OF RECORD.--July 1991 to current year.

REMARKS.--Laboratory analyses 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 by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	TIME	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)
NOV 12...	0930	11	15	14	7.2	6.7	6.0	8.0	--	--
JAN 15...	1600	48	12	12	6.9	6.3	5.5	5.0	10.0	84
MAR 10...	0930	--	13	12	6.9	6.5	12.0	13.0	11.8	118
MAY 19...	0840	27	16	14	--	6.8	15.0	21.0	9.4	98
JUL 14...	0810	21	--	14	--	6.5	18.5	24.0	8.2	--
SEP 08...	0745	35	--	13	7.1	6.6	17.0	19.5	9.0	--

DATE	TUR- BID- ITY (NTU)	OXYGEN DEMAND, CHEM- ICAL (LOW LEVEL) (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LINITY WAT WH TOT FET LAB MG/L AS CACO3	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDEED (MG/L)
NOV 12...	<1.0	<5	0.4	<20	7	<1
JAN 15...	<1.0	<5	0.9	<20	5	<1
MAR 10...	15	21	0.6	290	6	34
MAY 19...	2.0	<5	0.3	<20	7	5
JUL 14...	2.0	1	0.6	130	6	3
SEP 08...	2.0	--	0.1	80	6	6

DATE	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
NOV 12...	<0.020	<0.030	<0.10	--	0.070	<1.0
JAN 15...	<0.020	0.220	0.30	--	0.150	<1.0
MAR 10...	0.030	<0.030	<0.10	--	0.060	4.6
MAY 19...	0.040	<0.030	--	--	0.030	1.0
JUL 14...	0.040	<0.030	0.10	0.14	0.060	1.0
SEP 08...	<0.020	<0.030	--	--	0.040	1.0

APALACHICOLA RIVER BASIN

02333500 CHESTATEE RIVER NEAR DAHLONEGA, GA.

LOCATION.--Lat 34°31'41", long 83°56'23", Lumpkin County, Hydrologic Unit 03130001, on left bank 250 ft upstream from Bearden Bridge on State Highway 52, 2 mi downstream from Ballplay Creek, 2.5 mi east of Dahlonega, and 3.5 mi upstream from Yahoola Creek.
DRAINAGE AREA.--153 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--July 1929 to January 1932, April 1940 to current year. Monthly discharge only for July 1929, published in WSP 1304.

GAGE.--Water-stage recorder. Datum of gage is 1,128.6 ft above National Geodetic Vertical Datum of 1929 (levels by U.S. Army Corps of Engineers).

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

PEAKS DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 2,600 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Nov. 22	0915	2,770	6.43	Aug. 28	0630	*4,080	*8.39
Feb. 15	1430	3,010	6.79	Sept. 22	0315	2,730	6.36
Feb. 25	1930	3,610	7.72				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	270	269	384	341	300	583	479	340	231	304	169	311
2	268	288	663	333	292	537	460	328	227	625	159	276
3	267	215	1100	861	287	501	446	318	294	497	157	261
4	260	202	790	542	282	468	438	305	715	331	151	312
5	260	200	523	435	278	443	423	299	435	279	148	794
6	251	199	438	389	271	1000	413	301	317	270	148	418
7	243	197	392	356	267	1110	422	336	276	249	155	356
8	242	197	360	331	257	734	410	424	272	235	158	342
9	240	194	350	332	251	613	397	403	361	222	153	332
10	240	207	377	315	248	885	392	332	402	214	144	287
11	237	198	328	293	248	770	472	312	320	213	141	277
12	232	191	317	285	247	639	564	301	379	204	135	253
13	227	190	318	325	251	577	477	300	451	199	367	244
14	226	187	388	474	254	535	423	328	473	198	258	236
15	262	185	345	358	1420	506	443	291	614	198	211	225
16	245	185	320	325	828	479	435	279	448	203	216	218
17	229	183	306	310	533	463	402	270	406	220	220	214
18	224	181	288	302	484	499	388	269	350	327	269	244
19	222	193	275	292	507	1270	380	288	323	218	192	347
20	219	191	272	283	439	721	439	289	288	197	174	258
21	218	629	271	277	402	600	706	262	268	188	178	340
22	220	1710	270	271	383	607	538	250	255	295	868	1230
23	218	630	295	1020	932	945	457	244	247	279	559	586
24	217	410	378	592	778	647	426	240	237	237	351	375
25	217	339	300	441	1680	593	403	237	228	227	277	315
26	213	308	283	392	2130	660	380	232	242	207	243	286
27	211	289	276	361	1050	570	371	229	242	200	272	324
28	209	275	589	360	791	527	363	226	220	198	2000	322
29	207	266	594	336	666	506	351	253	216	180	648	320
30	203	269	424	323	---	524	346	297	237	173	425	275
31	205	---	370	313	---	517	---	249	---	167	352	---
TOTAL	7202	9177	12584	12168	16756	20029	13044	9032	9974	7754	9898	10578
MEAN	232	306	406	393	578	646	435	291	332	250	319	353
MAX	270	1710	1100	1020	2130	1270	706	424	715	625	2000	1230
MIN	203	181	270	271	247	443	346	226	216	167	135	214
CFSM	1.52	2.00	2.65	2.57	3.78	4.22	2.84	1.90	2.17	1.63	2.09	2.30
IN.	1.75	2.23	3.06	2.96	4.07	4.87	3.17	2.20	2.43	1.89	2.41	2.57

APALACHICOLA RIVER BASIN

02333500 CHESTATEE RIVER NEAR DAHLONEGA, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1929 - 1992, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	202	249	363	460	530	605	530	410	302	269	259	209
MAX	594	855	996	1334	1183	1255	1200	1004	781	589	1097	650
(WY)	1990	1930	1962	1946	1946	1980	1979	1973	1973	1967	1967	1929
MIN	66.3	105	127	119	177	197	158	132	94.0	63.4	63.5	77.7
(WY)	1942	1942	1956	1981	1941	1988	1986	1941	1988	1986	1986	1954

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1929 - 1992	
ANNUAL TOTAL	173569		138196			
ANNUAL MEAN	476		378		364	
HIGHEST ANNUAL MEAN					565	
LOWEST ANNUAL MEAN					152	
HIGHEST DAILY MEAN	4820	Aug 26	2130	Feb 26	11400	Aug 23 1967
LOWEST DAILY MEAN	181	Nov 18	135	Aug 12	44	Aug 6 1986
ANNUAL SEVEN-DAY MINIMUM	186	Nov 12	148	Aug 6	47	Aug 2 1986
INSTANTANEOUS PEAK FLOW			4080	Aug 28	22700	Aug 23 1967
INSTANTANEOUS PEAK STAGE			8.39	Aug 28	25.17	Aug 23 1967
INSTANTANEOUS LOW FLOW			131	Aug 12		
ANNUAL RUNOFF (CFSM)	3.11		2.47		2.38	
ANNUAL RUNOFF (INCHES)	42.20		33.60		32.32	
10 PERCENT EXCEEDS	758		617		639	
50 PERCENT EXCEEDS	388		301		275	
90 PERCENT EXCEEDS	235		199		124	

APALACHICOLA RIVER BASIN

02333500 CHESTATEE RIVER NEAR DAHLONEGA, GA.--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--December 1957 to April 1959, 1963, Jan. 1972 to May 1976, Oct. 1989 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND	TEMPER- ATURE WATER (DEG C)	SEDI- MENT, SUS- PENDED (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (T/DAY)
OCT					
03...	1401	271	18.0	6	4.4
03...	1406	271	18.0	6	4.4
NOV					
15...	1352	186	10.0	6	3.0
15...	1357	186	10.0	6	3.0
JAN					
30...	1247	329	10.0	5	4.4
30...	1252	329	10.0	2	1.8
FEB					
25...	1439	1680	—	325	1470
25...	1637	2780	—	733	5500
25...	1642	2780	—	728	5460
25...	2000	3590	—	972	9420
25...	2005	3590	—	811	7860
25...	2330	2960	—	556	4440
25...	2335	2960	—	524	4190
26...	1108	2160	—	282	1640
26...	1113	2160	—	241	1410
MAR					
17...	1445	456	9.0	15	18
17...	1450	456	9.0	17	21
APR					
30...	1136	360	13.5	2	1.9
30...	1141	360	13.5	3	2.9
JUN					
10...	1403	389	20.5	47	49
10...	1408	389	20.5	51	54
JUL					
16...	1345	201	24.0	3	1.6
16...	1350	201	24.0	2	1.1
AUG					
27...	1407	250	23.0	8	5.4
27...	1412	250	23.0	10	6.8

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM	SED. SUSP. SIEVE DIAM. % FINER THAN .125 MM	SED. SUSP. SIEVE DIAM. % FINER THAN .250 MM	SED. SUSP. SIEVE DIAM. % FINER THAN .500 MM	SED. SUSP. SIEVE DIAM. % FINER THAN 1.00 MM
FEB							
25...	1434	1680	46	63	80	98	100
25...	1439	1680	51	—	—	—	—
25...	2330	2960	41	—	—	—	—

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND	BED MAT. SIEVE DIAM. % FINER THAN .062 MM	BED MAT. SIEVE DIAM. % FINER THAN .125 MM	BED MAT. SIEVE DIAM. % FINER THAN .250 MM	BED MAT. SIEVE DIAM. % FINER THAN .500 MM	BED MAT. SIEVE DIAM. % FINER THAN 1.00 MM	BED MAT. SIEVE DIAM. % FINER THAN 2.00 MM	BED MAT. SIEVE DIAM. % FINER THAN 4.00 MM	BED MAT. SIEVE DIAM. % FINER THAN 8.00 MM	BED MAT. SIEVE DIAM. % FINER THAN 16.0 MM
SEP											
02...	0943	280	<1	2	13	28	56	85	96	100	100
02...	0945	280	<1	1	4	12	35	69	87	93	100

APALACHICOLA RIVER BASIN

02334430 CHATTAHOOCHEE RIVER AT BUFORD DAM, NEAR BUFORD, GA.

LOCATION.--Lat 34°09'25", long 84°04'44", Gwinnett-Forsyth County line, Hydrologic Unit 03130001, on right bank 1,200 ft downstream from Buford Dam, 2.4 mi upstream from bridge on State Highway 20, 4 mi northwest of Buford, and at mile 348.1.

DRAINAGE AREA.--1,040 mi², approximately.

PERIOD OF RECORD.--July to December 1901 (figures of daily discharge for the months of August and December, published in WSP 197, are unreliable and should not be used), October 1941 to current year. Prior to October 1971, published as 02334500, Chattahoochee River "near Buford". Monthly discharge only for July to December 1901, October 1941 to January 1942, published in WSP 1304.

REVISED RECORDS.--WDR GA-79-1: 1972-78 (maximum gage heights only). WDR GA-90-1: 1986-89 (maximum gage heights only). See also PERIOD OF RECORD.

GAGE.--Water-stage recorder. Datum of gage is 912.04 ft above National Geodetic Vertical Datum of 1929 (levels by U.S. Army Corps of Engineers). June 24 to Dec. 21, 1901, Jan. 27, 1942, to Dec. 3, 1944, nonrecording gage, and Dec. 4, 1944, to Dec. 31, 1947, water-stage recorder at site 2.5 mi downstream, and Jan. 1, 1948, to Sept. 30, 1971, water-stage recorder at site 2.4 mi downstream, all at different datum.

REMARKS.--Records good to fair. Flow regulated by Lake Sidney Lanier beginning January 1956 (See "Lakes and Reservoirs in Apalachicola River basin", station 02334400.) Periods of monthly discharge only are not included in statistics computations.

AVERAGE DISCHARGE.--51 years, 2,074 ft³/s, 27.08 in/yr, adjusted for storage since 1956.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known since at least 1921, that of Jan. 8, 1946.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5700	3120	604	1170	597	587	6270	2810	2660	3350	601	1160
2	5710	617	1250	1180	585	1200	5940	589	2590	3370	1320	1160
3	5710	624	1210	1220	1210	1150	1240	597	2610	3400	2370	1160
4	5760	2400	1190	600	1150	1140	588	3060	2600	595	2300	1220
5	612	3680	1190	595	1160	1140	591	3330	2640	598	2290	613
6	620	2360	1280	1520	1140	1240	4620	4030	595	3800	2300	612
7	3520	2360	595	1500	1180	588	4620	4050	600	3720	1970	1420
8	4610	2390	591	2690	1700	586	4620	4080	1260	3720	603	1150
9	5770	631	1310	1180	592	1260	2200	589	443	3730	611	1160
10	5780	629	1180	1270	1210	1150	3150	597	1160	3540	2390	1160
11	5840	2410	430	1530	1160	1150	584	2320	1160	725	2300	1200
12	617	2360	1170	591	1180	1140	590	2230	1200	595	2300	608
13	613	2360	1200	1210	1170	1240	1620	2240	602	3450	2310	608
14	5880	2380	587	841	1270	587	1500	2980	605	3000	2330	1270
15	5830	2400	592	1160	512	592	1500	2290	1260	2990	605	1160
16	5840	620	1220	1180	443	2490	1500	595	1160	3010	604	1150
17	5850	618	1180	1200	1170	2430	1520	601	1160	3030	2750	4570
18	5890	2020	1180	592	1160	1550	587	3090	1150	590	2660	1200
19	614	1960	1180	593	1160	3360	591	2980	1200	1320	2670	601
20	623	1920	1240	1230	1180	3370	1630	3000	600	2310	2670	2390
21	5560	1220	596	1180	1270	2340	1510	2980	608	2260	2720	1260
22	5520	1490	595	1170	590	2360	1500	3010	1250	3010	614	1150
23	5630	618	1310	1220	594	3420	1500	767	1160	3010	615	1160
24	5570	620	1180	1280	1210	3350	1570	772	1160	3030	1270	447
25	5590	1240	1190	600	1190	3370	593	2350	2320	600	2200	525
26	618	1190	1180	596	1190	3330	590	2260	2290	1300	1170	612
27	623	1200	1210	1220	1160	3420	1990	2240	595	3110	447	621
28	3280	1100	598	1180	1250	590	2240	2240	603	442	1210	2290
29	3180	1300	598	1170	595	585	2230	2290	3410	2890	610	2630
30	3320	605	1310	1170	---	4440	2230	595	3350	2870	611	2620
31	3180	---	1180	1260	---	4400	---	599	---	2920	1260	---
TOTAL	123460	48442	31326	35098	29978	59555	61414	66161	44001	76285	50681	38887
MEAN	3983	1615	1011	1132	1034	1921	2047	2134	1467	2461	1635	1296
MAX	5890	3680	1310	2690	1700	4440	6270	4080	3410	3800	2750	4570
MIN	612	605	430	591	443	585	584	589	443	442	447	447
MEAN†	890	1344	1826	2005	3111	3259	1950	1327	1832	1298	1877	1755
CFSM†	.86	1.29	1.76	1.93	2.99	3.13	1.88	1.28	1.76	1.25	1.80	1.69
IN.†	.98	1.44	2.02	2.22	3.22	3.60	2.09	1.47	1.96	1.44	2.08	1.88

† Adjusted for change in contents in Lake Sidney Lanier.

APALACHICOLA RIVER BASIN

02334430 CHATTAHOOCHEE RIVER AT BUFORD DAM, NEAR BUFORD, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1956 - 1992, BY WATER YEAR (WY) (SINCE REGULATION)

MEAN	1910	1797	1420	1722	1765	2049	2712	2262	1880	1921	2263	2080
MAX	3983	4093	3682	4688	5846	5077	6996	6799	4968	3119	3921	4266
(WY)	1992	1975	1968	1968	1990	1990	1964	1964	1973	1963	1971	1967
MIN	427	536	432	431	507	463	481	565	424	532	486	483
(WY)a	1958	1958	1958	1958	1957	1959	1959	1958	1957	1957	1957	1957

SUMMARY STATISTICS FOR 1991 CALENDAR YEAR FOR 1992 WATER YEAR WATER YEARS 1956 - 1992

ANNUAL TOTAL	733532		665288			
ANNUAL MEAN	2010	†2187	1818	†1868	1982	†2053
HIGHEST ANNUAL MEAN					2960	1990
LOWEST ANNUAL MEAN					855	1956
HIGHEST DAILY MEAN	7310	May 7	6270	Apr 1	9710	May 19 1964
LOWEST DAILY MEAN	355	Mar 16	430	Dec 11	262	May 18 1958
ANNUAL SEVEN-DAY MINIMUM	620	Mar 10	825	Sep 21	309	Jun 11 1957
INSTANTANEOUS PEAK FLOW			10300	Oct 23	11400	Nov 21 1962
INSTANTANEOUS PEAK STAGE			5.52	Oct 23	b15.20	Nov 21 1962
ANNUAL RUNOFF (CFSM)	1.93	†2.10	1.75	†1.80	1.91	†1.97
ANNUAL RUNOFF (INCHES)	26.24	†28.56	23.80	†24.39	25.89	†26.81
10 PERCENT EXCEEDS	4900		3470		4350	
50 PERCENT EXCEEDS	1210		1220		1320	
90 PERCENT EXCEEDS	594		595		526	

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1942 - 1955, BY WATER YEAR (WY) (PRIOR TO REGULATION)

MEAN	1086	1514	2085	3127	3220	3568	2797	2240	1799	1721	1459	1275
MAX	2057	4572	3975	7251	6105	7704	4011	3642	3398	3826	2878	3677
(WY)	1950	1949	1952	1946	1946	1952	1944	1946	1949	1949	1948	1949
MIN	449	719	1173	1311	1486	1840	1644	1608	1170	972	773	514
(WY)	1955	1955	1945	1951	1951	1955	1942	1947	1955	1954	1954	1954

SUMMARY STATISTICS WATER YEARS 1942 - 1955

ANNUAL MEAN	2173	
HIGHEST ANNUAL MEAN	3432	1949
LOWEST ANNUAL MEAN	1419	1955
HIGHEST DAILY MEAN	45000	Jan 8 1946
LOWEST DAILY MEAN	364	Sep 10 1951
ANNUAL SEVEN-DAY MINIMUM	415	Oct 7 1954
INSTANTANEOUS PEAK FLOW	c55000	Jan 8 1946
INSTANTANEOUS PEAK STAGE	d32.60	Jan 8 1946
ANNUAL RUNOFF (CFSM)	2.09	
ANNUAL RUNOFF (INCHES)	28.39	
10 PERCENT EXCEEDS	3710	
50 PERCENT EXCEEDS	1650	
90 PERCENT EXCEEDS	850	

† Adjusted for change in contents in Lake Sidney Lanier.

a Minimum monthly means occurring in water years 1957 and 1958 were probably the result of the initial filling of Lake Sidney Lanier and those in the 1959 water year to non-typical storage.

b At site and datum then in use.

c From rating curve extended above 13,000 ft³/s on basis of peak flows passing upstream and downstream stations.

d From floodmarks, at site and datum then in use.

APALACHICOLA RIVER BASIN

02334885 SUWANEE CREEK NEAR SUWANEE, GA.

LOCATION.--Lat 34°01'56", long 84°05'22", Gwinnett County, Hydrologic Unit 03130001, on upstream side of right bank bridge pier on State Highway 13 (old U.S. Highway 23), 0.2 mi upstream from Bennett Creek, 0.6 mi downstream from Mill Creek, 2.4 mi southwest of Suwanee, and 3.1 mi upstream from mouth.

DRAINAGE AREA.--46.8 mi².

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

GAGE.--Water-stage recorder. Datum of gage is 909.71 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Records good.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 550 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Feb. 26	0700	*696	*7.61	July 2	2400	594	7.06

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	21	30	30	39	40	73	68	34	24	32	20	31
2	21	33	31	47	38	66	62	33	24	339	16	30
3	23	23	134	328	38	62	58	32	120	247	15	31
4	21	21	69	108	38	58	56	31	262	76	14	31
5	21	21	42	64	38	56	53	30	63	53	13	157
6	19	21	37	53	41	132	51	38	40	80	13	80
7	18	22	37	48	37	135	53	34	32	43	14	117
8	19	22	35	44	35	77	53	43	170	36	15	73
9	19	22	36	45	34	65	55	45	255	32	14	46
10	19	23	44	42	34	108	50	34	68	30	13	38
11	19	23	36	39	34	102	49	31	48	28	12	34
12	18	21	34	38	34	70	61	30	52	26	16	32
13	18	21	33	38	36	63	50	33	52	25	124	31
14	18	21	49	40	36	58	47	33	52	25	66	30
15	22	21	41	36	168	55	46	30	44	32	28	29
16	22	21	35	35	109	52	46	29	39	28	27	28
17	20	21	33	34	91	51	44	28	35	27	63	28
18	19	21	33	35	100	58	43	27	33	34	173	33
19	19	22	32	36	72	196	41	35	35	28	38	39
20	18	22	31	35	57	98	43	40	31	25	30	110
21	19	85	31	34	50	69	67	29	29	24	46	43
22	19	163	32	34	47	85	56	27	27	24	334	47
23	20	50	33	308	107	258	43	25	27	28	384	150
24	20	37	46	126	80	114	42	24	27	26	117	217
25	20	33	35	63	207	95	44	23	28	25	60	108
26	20	31	36	53	543	119	37	23	103	23	46	57
27	20	30	34	49	183	84	36	23	35	22	42	206
28	20	30	83	51	113	71	36	22	30	20	115	284
29	19	30	85	48	87	66	35	28	28	18	52	119
30	18	30	49	46	---	77	34	29	28	16	38	72
31	19	---	42	43	---	91	---	27	---	17	33	---
TOTAL	608	971	1358	2039	2527	2764	1459	950	1841	1489	1991	2331
MEAN	19.6	32.4	43.8	65.8	87.1	89.2	48.6	30.6	61.4	48.0	64.2	77.7
MAX	23	163	134	328	543	258	68	45	262	339	384	284
MIN	18	21	30	34	34	51	34	22	24	16	12	28
CFSM	.42	.69	.94	1.41	1.86	1.91	1.04	.65	1.31	1.03	1.37	1.66
IN.	.48	.77	1.08	1.62	2.01	2.20	1.16	.76	1.46	1.18	1.58	1.85

APALACHICOLA RIVER BASIN

02334885 SUWANEE CREEK NEAR SUWANEE, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1985 - 1992, BY WATER YEAR (WY)

MEAN	44.3	47.2	53.5	78.0	93.2	96.3	61.9	46.9	38.4	47.1	35.3	39.0
MAX	136	97.1	88.6	169	214	233	97.5	124	98.7	130	78.8	81.2
(WY)	1990	1987	1990	1990	1990	1990	1991	1991	1989	1989	1985	1989
MIN	5.35	14.6	23.8	37.1	38.3	34.7	35.2	20.4	6.20	4.20	4.23	6.19
(WY)	1988	1988	1988	1986	1986	1988	1986	1988	1988	1986	1986	1987

SUMMARY STATISTICS

FOR 1991 CALENDAR YEAR

FOR 1992 WATER YEAR

WATER YEARS 1985 - 1992

ANNUAL TOTAL	23305		20328			56.6	
ANNUAL MEAN	63.8		55.5			98.2	1990
HIGHEST ANNUAL MEAN						30.0	1988
LOWEST ANNUAL MEAN							
HIGHEST DAILY MEAN	867	May 6	543	Feb 26		2540	Mar 17 1990
LOWEST DAILY MEAN	18	Oct 7, 12-14	12	Aug 11		1.0	Jul 20 1988
ANNUAL SEVEN-DAY MINIMUM	19	Oct 7	13	Aug 5		1.3	Jul 16 1988
INSTANTANEOUS PEAK FLOW			696	Feb 26		3760	Mar 17 1990
INSTANTANEOUS PEAK STAGE			7.61	Feb 26		11.42	Mar 17 1990
INSTANTANEOUS LOW FLOW			11	Aug 12		.80	Jul 21 1988
ANNUAL RUNOFF (CFSM)	1.36		1.19			1.21	
ANNUAL RUNOFF (INCHES)	18.52		16.16			16.43	
10 PERCENT EXCEEDS	105		109			102	
50 PERCENT EXCEEDS	46		36			36	
90 PERCENT EXCEEDS	21		20			11	

APALACHICOLA RIVER BASIN

02335000 CHATTAHOOCHEE RIVER NEAR NORCROSS, GA.

LOCATION.--Lat 33°59'50", long 84°12'07", Gwinnett-Fulton County line, Hydrologic Unit 03130001, on downstream side of right bank pier of bridge on State Highway 141, 1.5 mi upstream from John Creek, 4.5 mi north of Norcross, 6.5 mi downstream from Suwanee Creek, 18 mi downstream from Buford Dam, and at mile 330.8.

DRAINAGE AREA.--1,170 mi², approximately.

PERIOD OF RECORD.--October 1902 to September 1946, October 1956 to current year. Monthly discharge only for October to December 1902, published in WSP 1304. Gage-height records collected at same site 1910-33, and since 1945 are contained in reports of National Weather Service.

GAGE.--Water-stage recorder. Datum of gage is 878.14 ft above National Geodetic Vertical Datum of 1929 (levels by U.S. Army Corps of Engineers). Prior to July 13, 1955, nonrecording gage at site 500 ft downstream at same datum. July 14, 1955 to Mar. 11, 1957, nonrecording gage at present site and datum.

REMARKS.--Records good. Flow regulated by Lake Sidney Lanier since January 1956. (See "Lakes and Reservoirs in Apalachicola River Basin," station 02334400.) Diversion and return flow above station regulated by Gwinnett County. Periods of monthly discharge only are not included in statistics computations.

AVERAGE DISCHARGE.--79 years (1904-46, 1957-92), 2,263 ft³/s, 26.28 in/yr, unadjusted.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known since at least 1896, that of Jan. 8, 1946.

**DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES**

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5970	3790	710	1320	781	778	6460	2970	2380	3620	1570	1300
2	5990	1800	1410	1360	738	1430	6740	2100	2840	4410	1030	1290
3	6000	718	1810	2250	1060	1350	3010	706	3050	4190	2350	1300
4	6040	1830	1580	1650	1290	1350	824	2120	3490	1410	2450	1330
5	2090	3740	1380	825	1290	1350	772	3270	3020	733	2450	1210
6	752	2620	1370	1740	1280	1490	3650	4690	1260	2590	2450	849
7	3410	2570	780	1700	1280	1040	4990	4440	696	3990	2230	1250
8	4080	2540	729	2610	2030	810	4990	4470	1280	4000	1090	1520
9	6130	1550	838	1780	851	835	2980	1940	1310	3990	660	1350
10	6070	712	1370	1410	1400	1500	3250	699	1010	4360	1870	1310
11	6080	1880	1230	1660	1330	1470	1850	2030	1270	1750	2470	1290
12	2120	2530	653	839	1360	1980	782	2480	1300	716	2470	1030
13	710	2540	1310	1070	1350	1410	862	2510	1030	2440	2840	691
14	4370	2530	1400	1240	1380	793	1760	3200	709	3250	2700	1050
15	6040	2540	744	997	1200	769	1730	2560	1070	3240	1420	1270
16	6040	1370	1360	1610	938	1800	1670	1230	1250	3240	725	1250
17	6090	673	1300	1000	1490	2600	1770	687	1240	3270	2410	3490
18	6110	1480	1300	986	1590	2530	1690	1840	1240	1920	3050	2670
19	2560	2080	1260	708	1470	2840	740	3280	1310	1160	2960	1050
20	731	2050	1300	1380	1370	3740	867	3330	965	1930	2960	1970
21	4260	2200	738	1320	1380	2950	1830	3270	662	2440	3030	1830
22	5740	1520	690	1310	776	2630	1750	3240	1030	2600	1640	1400
23	5800	1460	804	2480	909	4060	1710	2230	1220	3240	1330	1530
24	5840	737	1400	1840	1530	3820	2370	833	1220	3260	1270	1380
25	5770	1400	1330	889	2100	3730	1120	1950	2310	2160	1970	778
26	2320	1340	1330	790	2360	3780	710	2450	2560	1050	1880	750
27	706	1330	1320	1460	2370	3750	1020	2450	1160	2690	981	1030
28	1980	1220	1500	1420	1550	1910	2350	2440	683	1530	1170	2120
29	3390	1350	933	1390	884	800	2470	2470	3030	2160	1120	3040
30	3410	739	884	1360	---	3180	2470	1400	3590	3070	745	3040
31	3480	---	1360	1390	---	5030	---	701	---	3100	1170	---
TOTAL	130079	54839	36123	43784	39337	67505	69187	73986	49185	83509	58461	45368
MEAN	4196	1828	1165	1412	1356	2178	2306	2387	1639	2694	1886	1512
MAX	6130	3790	1810	2610	2370	5030	6740	4690	3590	4410	3050	3490
MIN	706	673	653	708	738	769	710	687	662	716	660	691

APALACHICOLA RIVER BASIN

02335000 CHATTAHOOCHEE RIVER NEAR NORCROSS, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1957 - 1992, BY WATER YEAR (WY) (SINCE REGULATION)

MEAN	2088	2016	1669	2066	2150	2486	3124	2548	2101	2113	2470	2287
MAX	4196	4433	3920	4871	6709	6053	8042	7509	5476	3427	3811	4423
(WY)	1992	1975	1968	1968	1990	1990	1964	1964	1973	1963	1971	1967
MIN	a502	698	558	529	709	647	608	696	569	598	501	523
(WY)a	1958	1957	1958	1958	1957	1959	1959	1958	1957	1957	1957	1957

SUMMARY STATISTICS FOR 1991 CALENDAR YEAR FOR 1992 WATER YEAR WATER YEARS 1957 - 1992

ANNUAL TOTAL	838077		751363			
ANNUAL MEAN	2296	†2473	2053	†2103		2259
HIGHEST ANNUAL MEAN						3398
LOWEST ANNUAL MEAN						1001
HIGHEST DAILY MEAN	8290	May 7	6740	Apr 2		11200
LOWEST DAILY MEAN	551	Mar 17	653	Dec 12		351
ANNUAL SEVEN-DAY MINIMUM	790	Mar 16	987	Dec 7		416
INSTANTANEOUS PEAK FLOW			9790	Oct 24		13200
INSTANTANEOUS PEAK STAGE			11.01	Oct 24		13.10
ANNUAL RUNOFF (CFSM)	1.96	†2.11	1.75	†1.80		1.93
ANNUAL RUNOFF (INCHES)	26.65	†28.70	23.89	†24.41		26.24
10 PERCENT EXCEEDS	5130		3760			4530
50 PERCENT EXCEEDS	1600		1530			1700
90 PERCENT EXCEEDS	765		775			733

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1903 - 1946, BY WATER YEAR (WY) (PRIOR TO REGULATION)

MEAN	1420	1450	2488	2926	3290	3486	3031	2454	1934	1966	1715	1366
MAX	4673	4862	9603	7709	6773	9062	8683	4744	4459	7219	4523	4550
(WY)	1907	1930	1933	1936	1921	1929	1936	1929	1903	1916	1906	1906
MIN	446	653	931	1138	1174	1276	1370	898	732	798	346	295
(WY)	1942	1942	1940	1914	1941	1914	1941	1941	1941	1914	1925	1925

SUMMARY STATISTICS WATER YEARS 1903 - 1946

ANNUAL MEAN	2265	
HIGHEST ANNUAL MEAN	3517	1920
LOWEST ANNUAL MEAN	1120	1914
HIGHEST DAILY MEAN	52000	Dec 10 1919
LOWEST DAILY MEAN	132	Aug 25 1925
ANNUAL SEVEN-DAY MINIMUM	217	Sep 20 1925
INSTANTANEOUS PEAK FLOW	b55000	Jan 8 1946
INSTANTANEOUS PEAK STAGE	27.70	Jan 8 1946
INSTANTANEOUS LOW FLOW	c132	Aug 25 1925
ANNUAL RUNOFF (CFSM)	1.94	
ANNUAL RUNOFF (INCHES)	26.31	
10 PERCENT EXCEEDS	4020	
50 PERCENT EXCEEDS	1680	
90 PERCENT EXCEEDS	860	

† Adjusted for change in contents in Lake Sidney Lanier.

a Minimum monthly means occurring in water years 1957 and 1958 were probably the result of the initial filling of Lake Sidney Lanier and those in the 1959 water year to non-typical storage.

b From rating curve extended above 36,000 ft³/s on basis of computation of peak flow over Morgan Falls Dam.

c Observed.

APALACHICOLA RIVER BASIN

02335450 CHATTAHOOCHEE RIVER ABOVE ROSWELL, GA.

LOCATION.--Lat 33°59'09", long 84°18'58", Fulton County, Hydrologic Unit 03130001, on right bank at Eves Road, 3.3 mi upstream from Big Creek, and 2.2 mi upstream from State Highway 400, 3.6 mi southeast of Roswell, and at mile 320.6.

DRAINAGE AREA.--1,220 mi², approximately.

PERIOD OF RECORD.--October 1941 to May 1960 (published as 02335500, Chattahoochee River "near Roswell"), July 1976 to current year. GAGE.--Water-stage recorder. Datum of gage is 858.01 ft above National Geodetic Vertical Datum of 1929. Prior to July 7, 1976, at site 1.8 mi downstream at datum 8.51 ft lower.

REMARKS.--Records good. Flow regulated by Lake Sidney Lanier since January 1956. (See "Lakes and Reservoirs in Apalachicola River Basin," station 02334400.) Diversions above station by Gwinnett and DeKalb Counties; return flows above station by Gwinnett County.

AVERAGE DISCHARGE.--34 years (water years 1942-59, 1977-92), 2,074 ft³/s, 23.10 in/yr, unadjusted.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6040	4020	699	1310	849	748	6090	2610	1680	3650	2440	1260
2	6040	2710	1440	1420	710	1340	6810	2870	2810	4760	643	1240
3	6060	704	2300	2560	989	1330	4120	644	3060	4380	1990	1270
4	6120	1690	1760	2000	1310	1350	904	1120	3700	2200	2390	1300
5	3250	3500	1430	879	1370	1370	753	3150	3060	748	2380	1760
6	738	2750	1330	1610	1350	1550	2540	4620	1910	1550	2380	937
7	2830	2670	922	1710	1360	1300	5020	4400	666	4010	2310	943
8	3080	2590	727	2200	1860	855	5000	4480	962	3990	1590	1610
9	5920	1940	728	2320	1030	706	3620	2930	1820	3910	573	1330
10	6150	689	1470	1420	1260	1650	2820	646	714	4370	1120	1310
11	6180	1640	1330	1590	1280	1560	2610	1280	1280	2560	2410	1270
12	3600	2600	521	1060	1320	1990	776	2420	1330	737	2420	1320
13	656	2630	1320	974	1350	1420	668	2520	1410	1440	3110	641
14	2910	2600	1550	1360	1330	873	1740	3140	713	3240	2790	679
15	6130	2610	760	971	1670	733	1700	2620	770	3160	2130	1270
16	6230	1680	1300	1670	1160	1460	1660	1870	1290	3180	663	1210
17	6230	643	1310	1040	1570	2620	1640	627	1220	3230	1650	2610
18	6230	1300	1310	1090	1740	2760	1710	874	1260	2830	3040	3340
19	4010	2150	1290	678	1570	2710	663	3320	1440	800	2890	1310
20	694	2150	1310	1300	1370	3800	705	3420	1280	1560	2860	1150
21	2940	2750	841	1300	1360	3300	1880	3260	627	2470	3770	2160
22	5820	1980	631	1290	842	2750	1780	3190	692	2430	2750	1400
23	5910	1780	653	3160	946	4150	1650	3010	1230	3210	1620	1580
24	6020	756	1480	2090	1520	3880	1960	817	1220	3240	1040	1870
25	5960	1380	1360	1040	2560	3760	1570	1230	1970	3000	1540	888
26	3670	1390	1360	782	3020	3850	641	2390	2540	680	2190	729
27	694	1370	1370	1380	2690	3770	647	2390	1750	2130	1360	1230
28	961	1260	1750	1450	1610	2560	2080	2380	675	2420	878	1600
29	3380	1350	1070	1420	1040	803	2440	2450	2200	1210	1440	2850
30	3430	849	809	1350	---	2440	2430	2100	3560	3040	662	2920
31	3520	---	1440	1340	---	5010	---	693	---	3190	752	---
TOTAL	131403	58131	37571	45764	42036	68398	68627	73471	48839	83325	59781	44987
MEAN	4239	1938	1212	1476	1450	2206	2288	2370	1628	2688	1928	1500
MAX	6230	4020	2300	3160	3020	5010	6810	4620	3700	4760	3770	3340
MIN	656	643	521	678	710	706	641	627	627	680	573	641

APALACHICOLA RIVER BASIN

02335450 CHATTAHOOCHEE RIVER ABOVE ROSWELL, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1956 - 1992, BY WATER YEAR (WY) (SINCE REGULATION)

MEAN	1791	1583	1496	1792	1912	2058	2674	2063	1605	1862	2196	1991
MAX	4239	2659	2754	4786	6781	6114	6784	4778	2611	2688	3807	3742
(WY)	1992	1990	1978	1978	1990	1990	1980	1984	1959	1992	1984	1991
MIN	443	652	552	534	686	727	673	704	467	474	425	483
(WY) a	1958	1958	1958	1958	1957	1959	1959	1958	1957	1957	1957	1957

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1956 - 1992	
ANNUAL TOTAL	849035		762333			
ANNUAL MEAN	2326		2083		1895	
HIGHEST ANNUAL MEAN	†2503		†2133		3333	
LOWEST ANNUAL MEAN					948	
HIGHEST DAILY MEAN	8380		6810		10900	
LOWEST DAILY MEAN	521		521		315	
ANNUAL SEVEN-DAY MINIMUM	790		1000		390	
INSTANTANEOUS PEAK FLOW			11200		14500	
INSTANTANEOUS PEAK STAGE			8.70		9.89	
ANNUAL RUNOFF (CFSM)	1.91		1.71		1.55	
ANNUAL RUNOFF (INCHES)	25.89		23.24		21.10	
10 PERCENT EXCEEDS	5130		3780		3830	
50 PERCENT EXCEEDS	1680		1610		1360	
90 PERCENT EXCEEDS	758		728		616	

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1942 - 1955, BY WATER YEAR (WY) (PRIOR TO REGULATION)

MEAN	1108	1570	2227	3305	3592	3977	3068	2459	1949	1837	1557	1372
MAX	2173	5164	4274	7998	6742	8549	4321	4135	3559	3974	3166	3941
(WY)	1950	1949	1952	1946	1946	1952	1944	1946	1949	1949	1948	1949
MIN	421	662	1269	1375	1659	1961	1981	1818	1273	1036	783	502
(WY)	1955	1942	1945	1942	1951	1955	1942	1947	1955	1954	1951	1954

SUMMARY STATISTICS WATER YEARS 1942 - 1955

ANNUAL MEAN	2329	
HIGHEST ANNUAL MEAN	3859	1949
LOWEST ANNUAL MEAN	1508	1955
HIGHEST DAILY MEAN	50200	Jan 8 1946
LOWEST DAILY MEAN	328	Oct 12 1954
ANNUAL SEVEN-DAY MINIMUM	383	Oct 7 1954
INSTANTANEOUS PEAK FLOW	b56000	Jan 8 1946
INSTANTANEOUS PEAK STAGE	c23.40	Jan 8 1946
INSTANTANEOUS LOW FLOW	d322	Oct 12 1954
ANNUAL RUNOFF (CFSM)	1.91	
ANNUAL RUNOFF (INCHES)	25.94	
10 PERCENT EXCEEDS	4000	
50 PERCENT EXCEEDS	1760	
90 PERCENT EXCEEDS	876	

† Adjusted for change in contents in Lake Sidney Lanier.

a Minimum monthly means occurring in water years 1957 and 1958 were probably the result of the initial filling of Lake Sidney Lanier and those in the 1959 water year to non-typical storage.

b From rating curve extended above 30,000 ft³/s on basis of computation of peak flow over Morgan Falls Dam.

c From floodmarks at site and datum then in use.

d Gage height, 1.44 ft.

APALACHICOLA RIVER BASIN

02335700 BIG CREEK NEAR ALPHARETTA, GA.

LOCATION.--Lat 34°03'02", long 84°16'10", Fulton County, Hydrologic Unit 03130001, on left bank at downstream side of bridge on Kimball Bridge Road, 2.6 mi southeast of Alpharetta, and 9.4 mi upstream from mouth.

DRAINAGE AREA.--72 mi², approximately.

PERIOD OF RECORD.--May 1960 to current year.

GAGE.--Water-stage recorder. Datum of gage is 960.80 ft above National Geodetic Vertical Datum of 1929 (levels by U.S. Soil Conservation Service).

REMARKS.--Records good.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 800 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Feb. 26	2000	*1,860	*9.82	Aug. 22	0930	1,200	8.83

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	47	65	83	88	90	143	124	67	50	50	31	54
2	46	82	94	93	78	130	113	64	47	348	24	51
3	49	50	434	445	77	121	106	61	73	383	22	50
4	48	46	406	253	76	114	104	59	169	126	20	58
5	46	44	145	138	79	110	100	58	89	77	20	125
6	44	45	110	112	84	158	98	68	64	65	19	84
7	42	45	95	97	75	248	106	65	58	60	19	92
8	41	44	86	90	71	140	103	83	96	50	21	104
9	43	43	88	97	68	120	97	88	308	44	21	63
10	42	44	107	89	68	176	95	68	118	39	20	54
11	43	45	84	82	68	162	94	62	88	36	20	51
12	42	42	78	78	68	122	99	59	121	33	54	46
13	41	43	76	81	72	112	101	66	104	31	132	43
14	40	42	128	92	72	105	89	68	93	32	91	41
15	46	43	99	78	313	102	86	60	82	30	46	39
16	50	43	82	73	362	97	88	58	72	64	40	37
17	43	44	76	70	200	95	82	58	63	46	50	35
18	42	44	72	77	213	108	80	57	59	67	42	34
19	41	43	68	76	163	420	78	56	90	48	31	34
20	41	44	66	72	126	218	84	82	62	38	29	33
21	41	268	66	70	109	143	118	60	58	32	180	59
22	41	647	67	69	101	153	95	56	56	29	1100	335
23	43	315	74	541	208	430	80	54	52	36	556	269
24	44	122	145	572	185	204	77	50	50	36	149	107
25	45	92	92	183	411	161	76	48	47	32	90	85
26	44	81	79	131	1370	182	70	46	44	29	67	65
27	43	74	74	114	1260	142	70	45	42	27	68	103
28	43	71	201	121	251	124	70	44	40	25	300	165
29	42	68	217	105	173	117	69	45	38	24	111	144
30	41	69	123	144	---	141	67	52	40	23	72	82
31	41	---	98	142	---	167	---	53	---	23	59	---
TOTAL	1345	2748	3713	4473	6491	4965	2719	1860	2373	1983	3504	2542
MEAN	43.4	91.6	120	144	224	160	90.6	60.0	79.1	64.0	113	84.7
MAX	50	647	434	572	1370	430	124	88	308	383	1100	335
MIN	40	42	66	69	68	95	67	44	38	23	19	33
CFSM	.60	1.27	1.66	2.00	3.11	2.22	1.26	.83	1.10	.89	1.57	1.18
IN.	.69	1.42	1.92	2.31	3.35	2.57	1.40	.96	1.23	1.02	1.81	1.31

APALACHICOLA RIVER BASIN

02335700 BIG CREEK NEAR ALPHARETTA, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1960 - 1992, BY WATER YEAR (WY)

MEAN	62.5	72.5	123	166	183	208	165	114	78.4	62.2	60.0	48.2
MAX	231	192	495	346	502	512	415	230	169	171	166	117
(WY)	1990	1978	1984	1978	1961	1980	1979	1973	1967	1967	1967	1988
MIN	13.8	19.2	33.1	40.1	54.4	60.0	37.2	31.3	10.5	10.5	12.3	12.9
(WY)	1982	1982	1989	1981	1986	1988	1986	1988	1988	1986	1986	1981

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1960 - 1992	
ANNUAL TOTAL	46240		38716		112	
ANNUAL MEAN	127		106		168	
HIGHEST ANNUAL MEAN					1984	
LOWEST ANNUAL MEAN					45.5	
HIGHEST DAILY MEAN	779	Jul 19	1370	Feb 26	4480	Feb 3 1982
LOWEST DAILY MEAN	40	Oct 14	19	Aug 6,7	1.7	Jul 22 1986
ANNUAL SEVEN-DAY MINIMUM	42	Oct 8	20	Aug 4	2.3	Jul 15 1988
INSTANTANEOUS PEAK FLOW			1860	Feb 26	6100	Feb 3 1982
INSTANTANEOUS PEAK STAGE			9.82	Feb 26	13.05	Feb 3 1982
ANNUAL RUNOFF (CFSM)	1.76		1.47		1.56	
ANNUAL RUNOFF (INCHES)	23.89		20.00		21.14	
10 PERCENT EXCEEDS	226		181		199	
50 PERCENT EXCEEDS	94		72		69	
90 PERCENT EXCEEDS	44		39		26	

APALACHICOLA RIVER BASIN

02335810 CHATTAHOOCHEE RIVER AT MORGAN FALLS DAM AT SANDY SPRINGS, GA.

LOCATION.--Lat 33°58'06", long 84°22'58", Fulton County, Hydrologic Unit 03130001, on upstream side of Morgan Falls Dam 3.9 mi upstream from mouth of Sope Creek at river mile 312.6.

DRAINAGE AREA.--1,370 mi², approximately.

PERIOD OF RECORD.--June 1988 to current year.

REVISED RECORDS.--WDR GA-90-1: 1988-89.

GAGE.--Water-stage recorder. Datum of gage is 843.48 ft above National Geodetic Vertical Datum of 1929 (leveling by global positioning system equipment); gage readings have been reduced to elevations about National Geodetic Vertical Datum of 1929.

REMARKS.--Flow regulated by Lake Sidney Lanier since January 1956. (See "Lakes and Reservoirs In Apalachicola Basin", station 02334400).

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 853.77 ft, Oct. 17; minimum elevation, 847.30 ft, May 21.

ELEVATION, FEET, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	851.76	852.42	853.06	852.25	853.41	853.34	851.83	851.62	851.31	852.00	853.14	852.57
2	851.31	853.34	852.95	852.51	853.10	853.11	852.00	852.76	852.40	852.23	852.65	852.39
3	851.48	853.10	852.97	852.52	852.71	853.16	852.57	852.95	852.09	851.59	852.32	852.79
4	851.56	852.20	853.07	852.95	853.22	853.16	853.34	851.34	852.01	853.32	852.15	852.92
5	853.34	851.29	853.28	853.49	853.13	853.14	852.99	851.64	852.16	853.19	852.16	853.13
6	852.99	852.28	853.21	853.22	852.96	853.22	851.90	851.82	853.25	851.53	852.13	852.86
7	851.53	852.58	853.39	853.22	852.70	853.39	852.12	851.47	852.90	851.84	852.07	852.62
8	851.45	852.32	852.78	852.81	850.98	853.39	851.91	852.12	851.93	851.80	853.13	852.89
9	851.91	853.06	851.90	853.00	853.31	852.89	852.55	853.13	853.27	851.68	852.50	852.53
10	852.01	852.62	852.36	853.32	852.66	852.61	851.95	853.01	852.81	851.97	850.63	852.71
11	851.81	851.47	852.20	853.13	853.01	852.57	853.08	851.48	852.72	853.10	852.11	852.75
12	853.31	852.88	851.85	853.38	853.25	852.68	853.24	851.84	852.81	853.05	852.04	853.16
13	852.78	852.65	852.01	852.94	853.30	853.20	852.48	852.01	853.19	850.91	852.20	852.71
14	850.96	852.71	852.87	853.26	853.26	853.36	852.11	852.06	853.08	851.78	851.98	851.68
15	851.79	852.82	853.30	852.95	852.99	852.86	852.01	852.16	852.39	851.61	852.88	852.47
16	851.68	853.24	852.89	853.18	853.28	851.86	851.80	853.17	852.82	851.78	852.71	852.75
17	851.97	852.80	853.15	853.23	853.29	851.94	851.74	852.88	852.48	851.56	851.29	851.97
18	851.53	851.55	853.16	853.28	853.25	852.53	852.70	851.48	852.61	852.78	852.28	852.74
19	853.17	852.66	853.17	852.88	853.35	851.54	853.03	851.70	852.98	852.87	852.05	852.96
20	852.90	852.78	853.08	852.63	853.16	850.76	851.99	851.60	853.29	852.42	852.08	851.76
21	851.36	852.85	853.38	853.08	853.24	851.88	851.98	851.26	852.67	851.83	852.70	852.61
22	851.51	852.62	852.90	853.05	853.33	851.91	852.04	851.24	851.22	851.46	853.29	852.75
23	851.70	852.93	852.11	853.31	853.11	851.43	851.87	852.66	851.77	851.63	853.15	852.76
24	851.63	853.40	852.54	853.21	853.17	850.96	851.84	853.28	852.50	851.98	852.96	853.20
25	851.79	853.16	852.39	853.43	852.96	852.12	853.26	852.31	852.58	852.82	851.95	853.36
26	853.28	853.32	852.37	853.48	852.76	852.29	852.80	851.77	852.41	852.51	852.39	852.85
27	852.91	853.23	852.58	853.27	852.66	851.95	851.31	851.95	853.23	852.12	852.86	852.84
28	850.94	853.21	852.48	853.15	853.14	852.91	851.03	851.80	852.62	853.17	852.75	852.48
29	851.80	853.38	853.26	853.27	853.40	853.41	851.17	851.68	851.06	851.83	853.25	851.94
30	852.11	853.43	853.03	853.19	---	851.60	851.56	853.01	851.78	852.01	852.97	852.06
31	851.99	---	852.46	853.26	---	852.04	---	852.89	---	852.02	852.02	---
MEAN	852.01	852.74	852.78	853.09	853.04	852.49	852.21	852.13	852.48	852.14	852.41	852.64
MAX	853.34	853.43	853.39	853.49	853.41	853.41	853.34	853.28	853.29	853.32	853.29	853.36
MIN	850.94	851.29	851.85	852.25	850.98	850.76	851.03	851.24	851.06	850.91	850.63	851.68
CAL YR 1991	MEAN	852.55	MAX	853.51	MIN	850.42						
WTR YR 1992	MEAN	852.51	MAX	853.49	MIN	850.63						

APALACHICOLA RIVER BASIN

02335870 SOPE CREEK NEAR MARIETTA, GA.

LOCATION.--Lat 33°57'14", long 84°26'36", Cobb County, Hydrologic Unit 03130001, on downstream side of bridge on Lower Roswell Road (South Roswell Road), 0.3 mi downstream from Bishop Creek, 6.1 mi east of Marietta, and 2.6 mi upstream from mouth.

DRAINAGE AREA.--29.2 mi², approximately.

PERIOD OF RECORD.--October 1984 to current year. Occasional low-flow measurements, water years 1944, 1951, 1953-55, 1957, 1961.

REVISED RECORDS.--WDR GA-89-1: 1985(P), 1986(M), 1987 (P, daily discharge, and monthly runoff), 1988(P).

GAGE.--Water-stage recorder. Datum of gage is 881.37 ft above National Geodetic Vertical Datum of 1929 (levels by U.S. Army Corps of Engineers).

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

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than a base discharge of 900 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec. 3	1100	1,060	8.37	Mar. 19	0030	932	7.91
Jan. 23	0800	2,620	10.86	July 13	2100	1,820	9.70
Feb. 15	1200	1,010	8.17	July 21	2130	1,460	9.16
Feb. 26	0345	1,260	8.81	Aug. 21	1915	*3,510	*12.14

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e20	50	29	27	30	42	42	24	15	148	60	17
2	e19	21	40	60	30	40	39	24	15	173	23	17
3	e19	16	406	228	29	37	37	23	43	39	18	24
4	e18	15	65	55	29	36	36	22	70	28	16	29
5	e18	15	42	42	39	36	34	21	22	24	15	168
6	e18	15	36	36	38	108	33	39	18	23	14	43
7	e17	15	32	33	29	61	51	33	16	21	14	30
8	e17	15	28	31	30	40	38	35	17	19	14	24
9	e18	15	43	41	27	37	34	30	21	18	13	21
10	18	15	45	30	26	77	33	23	18	17	29	32
11	17	15	29	29	26	42	35	22	38	17	20	34
12	16	15	27	28	25	37	71	21	27	16	125	19
13	16	15	26	38	30	36	44	52	28	195	200	17
14	16	14	66	36	29	34	35	27	22	80	42	17
15	27	14	31	28	318	33	33	22	19	40	36	16
16	17	15	28	26	68	32	31	20	17	25	109	15
17	16	15	26	26	148	32	30	19	15	22	46	14
18	16	15	25	26	67	91	29	22	15	64	25	20
19	15	16	24	29	79	212	29	43	38	24	20	17
20	15	17	23	26	45	52	41	31	16	36	19	14
21	15	383	23	25	40	43	77	21	14	314	533	19
22	16	306	24	25	37	120	35	19	13	116	153	57
23	16	49	31	732	162	229	30	17	14	48	53	37
24	16	31	26	77	57	61	28	16	13	30	29	32
25	16	26	23	50	388	67	31	16	13	24	23	21
26	16	25	23	42	415	60	26	16	12	21	21	19
27	16	24	24	41	77	46	26	16	12	22	113	38
28	15	23	121	47	56	41	26	16	12	18	119	27
29	15	23	46	36	47	39	26	20	12	17	29	20
30	15	23	33	34	--	67	25	19	15	16	22	15
31	15	--	29	32	--	61	--	17	--	160	19	--
TOTAL	524	1256	1474	2016	2421	1949	1085	746	620	1815	1972	873
MEAN	16.9	41.9	47.5	65.0	83.5	62.9	36.2	24.1	20.7	58.5	63.6	29.1
MAX	27	383	406	732	415	229	77	52	70	314	533	168
MIN	15	14	23	25	25	32	25	16	12	16	13	14
CFSM	.58	1.43	1.63	2.23	2.86	2.15	1.24	.82	.71	2.01	2.18	1.00
IN.	.67	1.60	1.88	2.57	3.08	2.48	1.38	.95	.79	2.31	2.51	1.11

e Estimated

APALACHICOLA RIVER BASIN

02335870 SOPE CREEK NEAR MARIETTA, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1985 - 1992, BY WATER YEAR (WY)

MEAN	40.9	30.7	38.2	57.7	76.4	70.8	44.0	42.1	38.7	44.8	39.1	37.5
MAX	103	48.0	50.1	106	156	201	68.6	98.3	113	113	65.1	111
(WY)	1990	1990	1990	1990	1990	1990	1991	1991	1989	1989	1985	1989
MIN	7.07	17.8	14.6	18.5	23.2	25.1	16.0	14.3	4.65	4.89	13.7	15.2
(WY)	1988	1989	1989	1986	1986	1988	1986	1988	1988	1986	1986	1985

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1985 - 1992	
ANNUAL TOTAL	20408		16751			
ANNUAL MEAN	55.9		45.8		46.6	
HIGHEST ANNUAL MEAN					70.5	
LOWEST ANNUAL MEAN					21.8	
HIGHEST DAILY MEAN	641	May 19	732	Jan 23	2330	Mar 17 1990
LOWEST DAILY MEAN	14	Nov 14,15	12	Jun 26-29	.79	Jul 20 1988
ANNUAL SEVEN-DAY MINIMUM	15	Nov 9	13	Jun 23	2.0	Jul 7 1988
INSTANTANEOUS PEAK FLOW			3510	Aug 21	6630	Sep 30 1989
INSTANTANEOUS PEAK STAGE			12.14	Aug 21	16.22	Sep 30 1989
INSTANTANEOUS LOW FLOW			11	Jun 30	.61	Jul 21 1988
ANNUAL RUNOFF (CFSM)	1.91		1.57		1.60	
ANNUAL RUNOFF (INCHES)	26.00		21.34		21.69	
10 PERCENT EXCEEDS	107		73		82	
50 PERCENT EXCEEDS	31		27		23	
90 PERCENT EXCEEDS	17		15		9.8	

APALACHICOLA RIVER BASIN

02336000 CHATTAHOOCHEE RIVER AT ATLANTA, GA.

LOCATION.--Lat 33°51'33", long 84°27'16", Fulton-Cobb County line, Hydrologic Unit 03130001, on left bank 20 ft upstream from Paces Ferry Bridge, at Atlanta, 1 mi downstream from Rottenwood Creek, 2.5 mi upstream from Peachtree Creek, and at mile 303.0.

DRAINAGE AREA.--1,450 mi², approximately.

PERIOD OF RECORD.--August 1928 to December 1931, October 1936 to current year. Prior to October 1951, published as "near Vinings".

REVISED RECORDS.--WSP 972: 1932.

GAGE.--Water-stage recorder. Datum of gage is 750.10 ft above National Geodetic Vertical Datum of 1929. Aug. 3, 1928, to Dec. 31, 1931, water-stage recorder, and Nov. 15, 1936 to Mar. 8, 1937, nonrecording gage at same site and datum. Since June 1967, auxiliary water-stage recorder at bridge on U.S. Highway 41, 0.8 mi upstream.

REMARKS.--Records good. Flow regulated by Lake Sidney Lanier since January 1956. (See "Lakes and Reservoirs in Apalachicola River Basin," station 02334400.) Diversions above station by Gwinnett, DeKalb, and Cobb Counties; return flows above station by Gwinnett and Cobb Counties. Considerable diurnal fluctuation caused by Morgan Falls hydroelectric plant 9.5 mi above station. Records of chemical analyses for the water years 1974-79 are published in reports of the U.S. Geological Survey.

AVERAGE DISCHARGE.--59 years (water years 1929-31, 1937-92), 2,540 ft³/s, 23.80 in/yr, unadjusted.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known since at least 1896, 29.0 ft in December 1919, from floodmarks at site 2.6 mi downstream and stage relation between the two sites.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5560	3200	1100	1420	1350	1160	4960	2430	1370	3860	2820	1200
2	5610	3200	1210	1640	1080	1350	6420	2470	2570	5190	1090	1350
3	5640	1060	4450	3710	1100	1640	5190	1090	3160	5550	1550	1250
4	5640	1460	2590	2240	1370	1520	1290	1260	3940	2990	2400	1490
5	4260	2900	1700	1270	1690	1590	1100	3030	3160	1130	2280	2930
6	1080	3070	1490	1540	1630	1830	1580	3830	2080	1530	2280	1400
7	1790	2410	1390	1890	1710	2010	4810	4300	987	3700	2300	1140
8	3180	2670	1130	2020	1730	1260	4810	4180	1000	3880	1490	1910
9	4790	1960	1200	2730	1360	1240	4420	3430	1960	3810	1030	1340
10	5690	1120	1620	1550	1230	2090	2660	1110	1190	3750	1030	1420
11	5680	1430	1330	1690	1490	1920	2660	1310	1370	2990	2300	1350
12	4520	2090	1080	1510	1390	1680	1230	2370	1440	1040	2540	1150
13	1080	2700	1200	1110	1550	1700	1350	2600	1290	1500	3500	1030
14	1610	2500	1530	1490	1540	1290	1840	2690	1060	3530	3220	994
15	5670	2450	1120	1220	3570	1120	1860	3010	1050	3070	2110	1060
16	5800	1880	1220	1470	2040	1530	1840	1890	1360	3050	1230	1280
17	5720	1060	1470	1400	2270	2570	1720	1030	1310	3210	1300	1700
18	5790	1310	1410	1330	2330	2580	1340	1150	1240	2730	2780	3950
19	4650	1750	1410	1030	2100	4130	1100	3090	1560	1190	2870	1220
20	1110	2260	1410	1030	1850	3990	1360	3580	1190	1790	2710	1380
21	1610	4040	1130	1500	1620	3420	2120	3190	1020	4020	5200	2060
22	5320	4810	987	1360	1390	3130	2010	3090	1030	3130	6520	1830
23	5410	2290	1070	6470	1690	5010	1770	2480	1020	3190	2970	2340
24	5590	1120	1420	3210	1750	4300	1880	1070	1050	3080	1620	1740
25	5520	1300	1630	1750	4020	3610	1510	1250	1450	2640	1900	1360
26	4390	1510	1420	1200	6370	3980	1130	2580	2460	1160	2060	1040
27	1120	1530	1440	1480	3890	3830	1270	2260	1820	1660	1590	1230
28	1300	1350	2200	1830	2430	2780	2130	2400	986	2500	1950	2170
29	2940	1330	1510	1640	1550	1160	2380	2480	1210	1210	1430	2790
30	3080	1320	1450	1650	---	2430	2340	1850	3350	2790	1050	2810
31	3360	---	1680	1570	---	4680	---	1080	---	3240	1040	---
TOTAL	124510	63080	46997	56950	59090	76530	72080	73580	49683	88110	70160	49914
MEAN	4016	2103	1516	1837	2038	2469	2403	2374	1656	2842	2263	1664
MAX	5800	4810	4450	6470	6370	5010	6420	4300	3940	5550	6520	3950
MIN	1080	1060	987	1030	1080	1120	1100	1030	986	1040	1030	994

APALACHICOLA RIVER BASIN

02336000 CHATTAHOOCHEE RIVER AT ATLANTA, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1956 - 1992, BY WATER YEAR (WY) (SINCE REGULATION)

MEAN	2175	2160	1998	2494	2652	3047	3506	2833	2313	2278	2524	2327
MAX	4016	4393	4525	5508	7684	7482	8959	7955	5733	3599	4082	4418
(WY)	1992	1975	1968	1978	1990	1990	1964	1964	1973	1963	1984	1967
MIN	525	760	820	794	985	1084	941	955	640	567	426	480
(WY) a	1958	1957	1957	1958	1957	1959	1959	1958	1957	1957	1957	1957

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1956 - 1992	
ANNUAL TOTAL	949453		830684			
ANNUAL MEAN	2601		2270		2524	
HIGHEST ANNUAL MEAN	†2778		†2320		3834	
LOWEST ANNUAL MEAN					1135	
HIGHEST DAILY MEAN	8910		6520		20500	
LOWEST DAILY MEAN	941		986		296	
ANNUAL SEVEN-DAY MINIMUM	1050		1160		340	
INSTANTANEOUS PEAK FLOW			16200		b28900	
INSTANTANEOUS PEAK STAGE			13.16		c23.03	
ANNUAL RUNOFF (CFSM)	1.79		1.57		1.74	
ANNUAL RUNOFF (INCHES)	24.36		21.31		23.65	
10 PERCENT EXCEEDS	5340		4270		4950	
50 PERCENT EXCEEDS	1970		1730		1880	
90 PERCENT EXCEEDS	1120		1100		1040	

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1928 - 1955, BY WATER YEAR (WY) (PRIOR TO REGULATION)

MEAN	1392	1797	2505	3391	3768	4408	3426	2752	2098	2100	1876	1606
MAX	3423	6185	6804	8630	7602	11390	4960	6336	4601	4402	3643	5416
(WY)	1930	1949	1932	1946	1946	1929	1944	1929	1929	1949	1928	1929
MIN	432	730	1027	1554	1317	1856	1686	1022	859	1111	840	492
(WY)	1955	1942	1940	1942	1941	1941	1941	1941	1941	1954	1954	1954

SUMMARY STATISTICS WATER YEARS 1928 - 1955

ANNUAL MEAN	2567	
HIGHEST ANNUAL MEAN	4406	1949
LOWEST ANNUAL MEAN	1454	1941
HIGHEST DAILY MEAN	42100	Jan 9 1946
LOWEST DAILY MEAN	340	Oct 19 1954
ANNUAL SEVEN-DAY MINIMUM	390	Oct 6 1954
INSTANTANEOUS PEAK FLOW	59000	Jan 9 1946
INSTANTANEOUS PEAK STAGE	28.00	Jan 9 1946
ANNUAL RUNOFF (CFSM)	1.77	
ANNUAL RUNOFF (INCHES)	24.05	
10 PERCENT EXCEEDS	4530	
50 PERCENT EXCEEDS	1890	
90 PERCENT EXCEEDS	901	

† Adjusted for change in contents in Lake Sidney Lanier.

a Minimum monthly means occurring in water years 1957 and 1958 were probably the result of the initial filling of Lake Sidney Lanier and those in the 1959 water year to non-typical storage.

b Gage height, 20.57 ft.

c Backwater from Peachtree Creek.

APALACHICOLA RIVER BASIN

02336300 PEACHTREE CREEK AT ATLANTA, GA.

LOCATION.--Lat 33°49'10", long 84°24'28", Fulton County, Hydrologic Unit 03130001, on downstream side of center pier of bridge on Northside Drive at Atlanta, 0.4 mi downstream from Tanyard Branch, and 4 mi upstream from mouth.
DRAINAGE AREA.--86.8 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--June 1958 to current year.

GAGE.--Water-stage recorder. Datum of gage is 763.96 ft above National Geodetic Vertical Datum of 1929 (City of Atlanta benchmark).

Prior to May 27, 1963, water-stage recorder at site 1,000 ft downstream at same datum.

REMARKS.--Records fair.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 2,500 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Nov. 21	1945	3,220	12.04	July 2	1930	3,160	11.92
Jan. 23	0600	4,860	14.78	Sept. 5	0300	*8,450	*19.64
Feb. 26	0145	2,580	10.80	Sept. 5	1800	4,180	13.70
July 1	2245	2,770	11.17				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	34	270	47	44	51	95	76	40	29	546	184	34
2	32	76	47	154	49	88	67	39	29	1190	41	32
3	31	38	699	732	48	84	62	38	196	430	36	52
4	29	34	120	110	47	81	59	37	927	123	34	169
5	29	33	66	74	70	79	56	35	112	144	33	4300
6	28	32	54	62	81	240	54	55	46	119	32	440
7	28	32	50	57	47	126	96	41	36	73	31	468
8	28	34	47	50	44	80	67	44	437	57	32	174
9	29	32	80	84	43	72	55	49	223	51	32	100
10	30	32	118	53	42	350	52	38	97	48	33	83
11	30	32	50	45	42	135	61	36	138	45	164	75
12	29	31	44	44	42	76	58	35	133	43	238	67
13	28	31	42	72	54	66	52	227	104	354	926	63
14	28	31	190	65	50	62	49	120	59	116	154	60
15	79	31	56	43	835	59	48	46	42	318	156	57
16	36	30	44	41	136	56	47	40	40	135	220	54
17	28	30	41	39	541	54	46	37	30	131	137	54
18	27	29	40	40	199	138	45	36	30	267	112	53
19	26	29	38	71	104	475	44	68	283	65	44	84
20	26	31	37	50	58	95	50	166	35	43	114	114
21	25	1120	37	42	48	71	242	43	25	172	348	55
22	27	700	36	40	43	295	80	36	22	343	392	89
23	27	102	48	1870	262	733	53	33	23	199	105	125
24	26	66	81	211	69	133	46	31	21	68	53	581
25	26	57	39	99	828	188	68	30	20	47	42	91
26	26	53	36	76	1040	166	45	30	21	45	39	54
27	25	51	70	67	190	88	43	31	19	58	445	685
28	26	50	522	101	129	75	42	29	20	47	302	175
29	25	49	130	67	108	70	41	36	23	40	54	73
30	24	47	61	59	--	207	40	48	71	38	40	49
31	25	--	49	54	--	149	--	34	--	65	36	--
TOTAL	917	3213	3019	4616	5300	4686	1844	1608	3291	5420	4609	8510
MEAN	29.6	107	97.4	149	183	151	61.5	51.9	110	175	149	284
MAX	79	1120	699	1870	1040	733	242	227	927	1190	926	4300
MIN	24	29	36	39	42	54	40	29	19	38	31	32
CFSM	.34	1.23	1.12	1.72	2.11	1.74	.71	.60	1.26	2.01	1.71	3.27
IN.	.39	1.38	1.29	1.98	2.27	2.01	.79	.69	1.41	2.32	1.98	3.65

APALACHICOLA RIVER BASIN

02336300 PEACHTREE CREEK AT ATLANTA, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1958 - 1992, BY WATER YEAR (WY)

MEAN	82.0	99.2	123	174	188	226	175	141	114	126	97.9	91.1
MAX	192	262	395	402	448	531	508	379	307	301	257	325
(WY)	1990	1968	1984	1972	1990	1980	1979	1991	1989	1989	1974	1989
MIN	13.4	31.7	28.4	33.0	66.2	63.9	49.5	40.7	28.9	29.8	20.4	20.6
(WY)	1979	1959	1989	1981	1986	1988	1986	1988	1988	1959	1959	1978

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1958 - 1992	
ANNUAL TOTAL	63913		47033		137	
ANNUAL MEAN	175		129		203	
HIGHEST ANNUAL MEAN					67.0	
LOWEST ANNUAL MEAN					1975	
HIGHEST DAILY MEAN	2950	May 19	4300	Sep 5	6060	Mar 17 1990
LOWEST DAILY MEAN	24	Oct 30	19	Jun 27	6.0	Oct 3,4 1981
ANNUAL SEVEN-DAY MINIMUM	25	Oct 25	21	Jun 22	6.2	Oct 2 1981
INSTANTANEOUS PEAK FLOW			8450	Sep 5	9650	Mar 17 1990
INSTANTANEOUS PEAK STAGE			19.64	Sep 5	21.06	Mar 17 1990
ANNUAL RUNOFF (CFSM)	2.02		1.48		1.57	
ANNUAL RUNOFF (INCHES)	27.39		20.16		21.37	
10 PERCENT EXCEEDS	430		248		268	
50 PERCENT EXCEEDS	68		53		60	
90 PERCENT EXCEEDS	32		29		23	

APALACHICOLA RIVER BASIN

02336300 PEACHTREE CREEK AT ATLANTA, GA.--Continued

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.35	4.38	3.34	3.31	3.49	3.60	3.49	3.18	3.06	5.21	4.04	3.23
2	3.34	3.59	3.34	3.92	3.47	3.56	3.42	3.17	3.06	7.16	3.25	3.21
3	3.34	3.30	5.85	6.02	3.46	3.53	3.38	3.17	3.90	5.05	3.19	3.39
4	3.32	3.26	3.83	3.78	3.45	3.51	3.36	3.15	6.58	3.83	3.17	3.65
5	3.31	3.24	3.49	3.55	3.60	3.49	3.33	3.13	3.83	3.89	3.16	13.27
6	3.30	3.24	3.41	3.46	3.69	4.32	3.31	3.32	3.40	3.80	3.14	5.16
7	3.28	3.23	3.37	3.42	3.45	3.77	3.61	3.20	3.29	3.52	3.14	5.18
8	3.28	3.25	3.34	3.37	3.42	3.50	3.42	3.23	4.74	3.40	3.15	4.16
9	3.28	3.23	3.54	3.62	3.40	3.45	3.32	3.27	4.34	3.35	3.15	3.80
10	3.29	3.23	3.79	3.39	3.40	4.70	3.29	3.16	3.75	3.31	3.15	3.70
11	3.29	3.23	3.36	3.32	3.39	3.82	3.36	3.14	3.82	3.29	3.96	3.65
12	3.28	3.22	3.31	3.31	3.40	3.48	3.35	3.13	3.92	3.27	4.12	3.59
13	3.26	3.22	3.29	3.53	3.51	3.41	3.29	4.24	3.76	4.33	6.66	3.56
14	3.26	3.22	4.12	3.48	3.47	3.37	3.26	3.73	3.50	3.75	3.97	3.54
15	3.67	3.22	3.41	3.30	6.31	3.34	3.26	3.25	3.35	4.42	3.90	3.51
16	3.35	3.21	3.30	3.27	3.99	3.32	3.25	3.19	3.34	3.83	4.24	3.48
17	3.27	3.21	3.28	3.26	5.32	3.32	3.24	3.15	3.22	3.66	3.87	3.49
18	3.25	3.20	3.26	3.27	4.26	3.66	3.23	3.14	3.20	4.47	3.72	3.48
19	3.24	3.20	3.25	3.53	3.84	5.13	3.22	3.33	4.51	3.46	3.28	3.65
20	3.23	3.23	3.23	3.36	3.54	3.60	3.27	3.95	3.28	3.27	3.64	3.87
21	3.22	6.68	3.23	3.29	3.46	3.44	4.36	3.22	3.16	3.85	4.62	3.49
22	3.25	5.93	3.23	3.27	3.41	4.41	3.50	3.14	3.11	4.71	4.85	3.66
23	3.25	3.73	3.31	8.68	4.50	5.95	3.30	3.10	3.12	4.19	3.75	3.90
24	3.24	3.50	3.58	4.34	3.61	3.82	3.25	3.08	3.09	3.48	3.39	5.48
25	3.24	3.43	3.26	3.82	6.13	4.08	3.43	3.07	3.08	3.31	3.30	3.73
26	3.23	3.40	3.22	3.67	6.86	3.99	3.24	3.07	3.09	3.29	3.27	3.48
27	3.22	3.38	3.41	3.62	4.11	3.56	3.22	3.08	3.06	3.40	4.96	5.85
28	3.24	3.36	5.44	3.83	3.80	3.48	3.21	3.06	3.08	3.31	4.58	4.16
29	3.22	3.35	3.87	3.61	3.68	3.44	3.20	3.14	3.12	3.23	3.42	3.62
30	3.21	3.34	3.45	3.54	---	4.14	3.19	3.27	3.42	3.21	3.29	3.44
31	3.22	---	3.35	3.51	---	3.90	---	3.12	---	3.37	3.25	---
MEAN	3.28	3.54	3.56	3.76	3.98	3.81	3.35	3.24	3.57	3.86	3.76	4.18
MAX	3.67	6.68	5.85	8.68	6.86	5.95	4.36	4.24	6.58	7.16	6.66	13.27
MIN	3.21	3.20	3.22	3.26	3.39	3.31	3.19	3.06	3.06	3.21	3.14	3.21
CAL YR 1991	MEAN 3.90		MAX 10.38		MIN 3.17							
WTR YR 1992	MEAN 3.66		MAX 13.27		MIN 3.06							

APALACHICOLA RIVER BASIN

02336300 PEACHTREE CREEK AT ATLANTA, GA.--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--November 1969 to May 1972, July 1975 to current year.

REMARKS.--Laboratory chemical analyses 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 1991 TO SEPTEMBER 1992

DATE	TIME	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)
OCT 02...	1130	33	150	-	7.0	7.2	20.0	24.0	9.5	107
NOV 05...	0900	32	145	152	7.1	7.2	6.0	7.0	9.9	81
DEC 04...	0900	121	82	80	7.3	6.8	10.0	2.0	10.2	92
JAN 08...	0850	50	140	141	7.4	7.0	7.0	4.0	12.4	105
FEB 05...	0900	47	145	148	7.4	7.3	10.0	12.0	9.6	88
MAR 04...	0845	82	147	148	7.3	7.1	14.0	16.0	9.1	90
APR 08...	0900	65	130	129	7.6	7.1	12.0	13.0	10.6	101
MAY 06...	0810	58	-	161	7.6	7.2	15.0	10.0	6.8	-
JUN 03...	0845	40	147	156	7.6	7.2	20.0	20.5	6.3	71
JUL 08...	0840	59	140	127	7.3	7.1	24.0	25.0	5.4	66
AUG 05...	0845	33	156	160	7.3	7.1	23.0	24.0	6.0	72
SEP 02...	0830	32	160	157	7.5	7.1	22.0	24.0	6.5	76

DATE	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LITY WAT WH TOT FET LAB MG/L AS CACO3	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)
OCT 02...	6.0	1.1	3300	46	0.690	0.040	0.110	3.0
NOV 05...	5.0	-	24000	49	0.330	0.140	0.110	2.6
DEC 04...	33	2.5	11000	22	0.330	0.050	0.050	6.3
JAN 08...	7.0	1.6	1700	41	0.790	0.180	0.110	2.4
FEB 05...	5.0	1.5	790	42	0.940	0.110	0.140	2.0
MAR 04...	6.0	0.7	3300	42	0.850	0.040	0.020	1.8
APR 08...	9.0	2.0	160000	36	0.820	0.280	0.090	5.0
MAY 06...	18	6.3	12000	48	0.780	0.380	0.220	7.7
JUN 03...	10	2.8	7900	46	0.780	0.130	0.090	4.4
JUL 08...	13	1.3	7000	37	0.530	0.140	0.100	3.0
AUG 05...	14	1.1	11000	47	0.520	0.120	0.090	3.0
SEP 02...	11	0.5	3300	47	0.600	0.100	0.090	3.0

APALACHICOLA RIVER BASIN

02336490 CHATTAHOOCHEE RIVER AT STATE HIGHWAY 280, NEAR ATLANTA, GA.

LOCATION.--Lat 33°49'01", long 84°28'48", Fulton-Cobb County line, Hydrologic Unit 03130002, on downstream side of bridge on State Highway 280, 0.6 mi upstream from Southern Railway bridge, 1.7 mi downstream from Peachtree Creek, and at mile 298.8.

DRAINAGE AREA.--1,600 mi², approximately.

PERIOD OF RECORD.--March 1981 to current year.

GAGE.--Water-stage recorder. Datum of gage is 736.35 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Records good. Flow regulated by Lake Sidney Lanier. (See "Lakes and Reservoirs in Apalachicola River Basin," station 02334400.) Diversions and return flows above station regulated by Gwinnett, DeKalb, and Cobb Counties, and by the city of Atlanta.

Considerable diurnal fluctuation caused by Morgan Falls hydroelectric plant.

EXTREMES OUTSIDE PERIOD OF RECORD: Flood of April 13, 1979, reached a stage of 30.71 ft from floodmarks, discharge, 32,000 ft³/s.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5880	3900	1200	1580	1580	1480	5480	2600	1290	4540	3510	1230
2	6060	3750	1290	1950	1160	1570	6940	2800	2590	7150	1090	1490
3	6030	1220	6020	5310	1180	1960	5770	1160	3430	6820	1360	1330
4	6020	1400	3330	2840	1400	1820	1560	1230	5680	3550	2450	1580
5	4610	3110	1960	1480	1810	1890	1290	3110	3620	1300	2310	8850
6	1200	3440	1720	1560	1860	2380	1620	3950	2530	1610	2300	2320
7	1650	2640	1620	2120	1750	2650	5310	4670	1140	3870	2300	1770
8	3480	2920	1260	2170	2030	1560	5390	4470	1530	4160	1640	2170
9	4920	2400	1350	3240	1430	1470	4930	3780	2530	4020	998	1590
10	6020	1230	1810	1740	1260	2800	2980	1210	1530	3940	1010	1600
11	6140	1410	1640	1870	1530	2410	3180	1330	1570	3320	2360	1500
12	4850	2240	1210	1750	1470	1990	1460	2410	1780	1000	2820	1320
13	1160	2950	1260	1300	1670	2010	1490	3060	1630	1810	5010	1120
14	1430	2740	1990	1640	1660	1660	2000	3000	1290	4090	3860	1090
15	6080	2680	1280	1420	5310	1350	2070	3220	1180	3670	2480	1100
16	6200	2290	1280	1490	2650	1630	2050	2170	1440	3520	1540	1340
17	6070	1170	1570	1620	3350	2880	1880	1100	1450	3470	1520	1650
18	6200	1300	1570	1490	3100	2960	1610	1140	1350	3510	2970	4370
19	5260	1850	1500	1190	2370	5560	1230	3130	2120	1340	3090	1490
20	1260	2460	1560	1190	2090	4550	1410	4070	1380	1700	2920	1430
21	1490	6000	1300	1560	1810	3870	2560	3400	1090	4310	6320	2300
22	5660	6810	1090	1560	1640	3760	2230	3260	1100	4620	8690	1980
23	5760	2850	1150	9880	2180	6970	1920	2750	1090	3790	3600	2750
24	6000	1340	1560	4160	1890	5020	2050	1090	1110	3400	1860	2650
25	5870	1340	1750	2220	5750	4130	1820	1140	1370	2950	2010	1650
26	4980	1690	1560	1360	9250	4650	1210	2660	2580	1230	2320	1170
27	1240	1700	1570	1510	4680	4370	1280	2350	2140	1590	2360	2240
28	1370	1530	3340	2040	3090	3460	2210	2490	1060	2810	2940	2520
29	3100	1460	1980	1850	2010	1380	2480	2590	1160	1150	1720	3220
30	3370	1540	1530	1760	---	2890	2500	2090	3500	2770	1150	3090
31	3610	---	1880	1730	---	5310	---	1110	---	3270	1130	---
TOTAL	132970	73360	55130	68580	72960	92390	79910	78540	57260	100280	81638	63910
MEAN	4289	2445	1778	2212	2516	2980	2664	2534	1909	3235	2633	2130
MAX	6200	6810	6020	9880	9250	6970	6940	4670	5680	7150	8690	8850
MIN	1160	1170	1090	1190	1160	1350	1210	1090	1060	1000	998	1090

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1981 - 1992, BY WATER YEAR (WY)

MEAN	2413	2131	2277	2497	3078	2963	2679	2567	1959	2406	2706	2476
MAX	4289	3166	4768	4982	8606	8512	5962	6291	3009	3235	4653	4276
(WY)	1992	1990	1984	1990	1990	1990	1983	1984	1991	1992	1984	1991
MIN	1443	1365	1138	1325	1185	1274	1195	1065	1096	1350	1437	1376
(WY)	1989	1989	1989	1989	1986	1988	1986	1988	1988	1988	1988	1986

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1981 - 1992	
ANNUAL TOTAL	1110420		956928		2544	
ANNUAL MEAN	3042		2615		4191	
HIGHEST ANNUAL MEAN	†3219		†2665		1990	
LOWEST ANNUAL MEAN					1486	
HIGHEST DAILY MEAN	10200		9880		29800	
LOWEST DAILY MEAN	1080		998		847	
ANNUAL SEVEN-DAY MINIMUM	1200		1300		883	
INSTANTANEOUS PEAK FLOW			15900		33300	
INSTANTANEOUS PEAK STAGE			19.94		31.51	
ANNUAL RUNOFF (CFSM)	1.90		1.63		1.59	
ANNUAL RUNOFF (INCHES)	25.82		22.25		21.60	
10 PERCENT EXCEEDS	6090		5270		4740	
50 PERCENT EXCEEDS	2340		2010		1740	
90 PERCENT EXCEEDS	1260		1210		1130	

† Adjusted for change in contents in Lake Sidney Lanier.

APALACHICOLA RIVER BASIN

02336502 CHATTAHOOCHEE RIVER AT I-285, AT ATLANTA, GA.

LOCATION.--Lat 33°48'32", long 84°29'43", Cobb-Fulton County line, Hydrologic Unit 03130002, at bridge on Interstate Highway 285, 0.3 mi upstream from Proctor Creek, 0.5 mi downstream from Southern Railway bridge, at Atlanta city limits, and at mile 297.7.

DRAINAGE AREA.--1,600 mi², approximately.

PERIOD OF RECORD.--July 1975 to current year.

REMARKS.--Flow regulated by Lake Sidney Lanier since January 1956 (see "Lakes and Reservoirs in Apalachicola River Basin," station 02334400). Diversions above station by Gwinnett, DeKalb, and Cobb Counties; return flows above station by Gwinnett and Cobb Counties. Considerable diurnal fluctuation caused by Morgan Falls hydroelectric plant. Laboratory analyses 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. Discharge obtained from gaging station 02336490, Chattahoochee River at State Highway 280, near Atlanta, Ga.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	TIME	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)
OCT										
02...	1100	6230	53	51	6.9	6.6	16.5	27.0	9.5	100
NOV										
05...	1030	1880	84	81	7.6	7.1	12.0	12.5	9.8	93
DEC										
04...	0930	2690	--	70	7.2	6.7	14.0	2.0	10.2	--
JAN										
08...	0930	1570	88	83	7.3	7.1	11.0	5.5	11.2	104
FEB										
05...	0930	1320	93	92	7.4	7.0	11.0	14.0	10.2	96
MAR										
04...	0915	1340	95	97	7.2	6.9	13.0	16.0	10.2	99
APR										
08...	0930	7240	47	41	7.6	6.9	11.0	14.5	13.4	125
MAY										
06...	0845	3690	--	58	7.5	7.0	17.0	10.5	9.2	--
JUN										
03...	0915	3160	65	58	7.5	6.9	19.0	21.0	9.1	101
JUL										
08...	0905	5000	70	53	7.4	6.9	21.0	25.0	8.1	93
AUG										
05...	0915	2010	75	68	7.4	6.9	20.0	24.0	8.6	97
SEP										
02...	0905	1160	112	101	7.4	7.0	25.0	24.0	7.5	93

DATE	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LITY WAT WH TOT 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)
OCT									
02...	11	0.9	130	13	31	0.570	0.030	0.130	3.0
NOV									
05...	8.0	--	210	21	6	0.670	0.440	0.240	1.5
DEC									
04...	100	2.6	4900	15	--	0.700	0.120	0.110	7.1
JAN									
08...	11	1.4	490	20	13	0.910	0.500	0.260	3.2
FEB									
05...	6.0	2.2	20	21	6	1.19	0.310	0.250	3.3
MAR									
04...	10	1.1	<20	20	9	1.24	0.190	0.160	3.0
APR									
08...	29	1.2	490	12	90	0.410	0.070	0.080	3.0
MAY									
06...	11	1.1	1700	15	--	0.640	0.120	0.130	2.4
JUN									
03...	8.0	1.1	220	14	13	0.790	0.070	0.130	1.8
JUL									
08...	28	1.1	1400	12	50	0.690	0.040	0.080	2.0
AUG									
05...	7.0	0.9	330	12	9	0.960	0.100	0.160	2.0
SEP									
02...	12	1.0	130	21	13	1.44	0.360	0.270	3.0

APALACHICOLA RIVER BASIN

02337000 SWEETWATER CREEK NEAR AUSTELL, GA.

LOCATION.--Lat 33°46'22", long 84°36'53", Douglas County, Hydrologic Unit 03130002, on right bank 100 ft upstream from bridge on Interstate Highway 20, 400 ft upstream from Blair Bridge, 3 mi southeast of Austell, and 5.5 mi upstream from mouth.

DRAINAGE AREA.--246 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--May 1904 to December 1905, November to December 1913, March 1937 to current year. Monthly discharge only for November to December 1913, published in WSP 1304.

REVISED RECORDS.--WSP 1724: 1949(M). WDR GA-79-1: 1975(M).

GAGE.--Water-stage recorder. Datum of gage is 857.01 ft above National Geodetic Vertical Datum of 1929 (levels by U.S. Army Corps of Engineers). May 6, 1904, to Dec. 31, 1905, and Nov. 3 to Dec. 27, 1913, nonrecording gage at site 2.5 mi upstream at different datum. Mar. 24 to Nov. 29, 1937, nonrecording gage at present site and datum.

REMARKS.--Records good.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of July 8, 1916 reached a stage of about 20.0 ft, from information by local resident; discharge, 12,600 ft³/s, from rating extended above 6,500 ft³/s on basis of contracted-opening measurement at gage height, 18.2 ft.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than a base discharge of 1,800 ft³/s and maximum(*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Nov. 23	2100	2,110	6.92	Aug. 21	1900	*3,510	*10.12
Jan. 24	0300	2,460	7.77	Sept. 4	2400	2,170	7.07
Feb. 26	2300	2,780	8.51				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	122	107	202	285	286	527	398	179	110	116	114	155
2	114	149	247	327	259	457	348	173	102	938	87	136
3	111	139	946	1200	247	404	317	164	130	543	75	142
4	107	123	1050	896	244	376	296	154	383	293	70	316
5	102	109	643	645	251	348	276	146	311	209	61	1120
6	95	104	397	445	319	544	264	153	211	165	57	398
7	88	101	319	359	294	629	322	183	160	138	55	306
8	87	102	272	311	255	501	396	192	150	119	56	237
9	86	102	255	321	230	404	356	201	174	100	61	206
10	87	102	313	305	219	452	312	178	183	87	54	219
11	89	102	273	269	213	425	283	157	289	79	75	173
12	91	101	238	244	209	356	304	147	529	72	80	140
13	87	102	219	249	217	326	327	240	260	67	216	134
14	85	100	359	399	224	302	262	209	236	61	309	123
15	98	100	357	386	790	287	249	177	219	104	216	112
16	106	102	287	319	1150	272	244	152	202	112	178	101
17	103	111	243	269	1000	262	233	139	191	95	257	94
18	98	107	221	248	1130	310	223	130	155	130	250	92
19	92	104	202	246	980	1190	214	123	148	122	172	92
20	88	105	189	240	717	864	224	117	128	99	131	93
21	86	516	184	231	533	592	402	117	113	126	1060	90
22	90	1890	184	222	436	526	419	114	101	422	953	102
23	93	2030	191	1780	635	1330	306	108	93	890	455	126
24	94	1670	218	2220	666	948	250	101	88	312	504	140
25	93	500	209	1480	1090	673	258	96	88	200	314	155
26	95	305	194	664	2500	610	225	94	86	141	205	122
27	95	253	185	463	2550	520	207	97	89	129	250	137
28	94	222	375	449	1670	431	197	95	88	124	455	143
29	93	199	579	397	710	381	190	101	85	99	320	134
30	93	189	484	351	---	409	184	115	88	93	238	114
31	90	---	349	318	---	473	---	120	---	83	180	---
TOTAL	2952	9946	10384	16538	20024	16129	8486	4472	5190	6268	7508	5652
MEAN	95.2	332	335	533	690	520	283	144	173	202	242	188
MAX	122	2030	1050	2220	2550	1330	419	240	529	938	1060	1120
MIN	85	100	184	222	209	262	184	94	85	61	54	90
CFSM	.39	1.35	1.36	2.17	2.81	2.12	1.15	.59	.70	.82	.98	.77
IN.	.45	1.50	1.57	2.50	3.03	2.44	1.28	.68	.78	.95	1.14	.85

APALACHICOLA RIVER BASIN

02337000 SWEETWATER CREEK NEAR AUSTELL, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1904 - 1992, BY WATER YEAR (WY)

MEAN	147	209	343	499	573	647	538	348	226	231	183	119
MAX	852	1265	1196	1378	1727	1473	1494	1007	560	805	722	346
(WY)	1990	1949	1984	1972	1961	1990	1979	1991	1989	1905	1904	1950
MIN	5.66	25.7	68.8	81.6	183	173	130	87.5	20.7	15.8	23.0	4.36
(WY)	1955	1955	1956	1956	1938	1988	1986	1988	1988	1986	1954	1954

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1904 - 1992	
ANNUAL TOTAL	158415		113549			
ANNUAL MEAN	434		310		335	
HIGHEST ANNUAL MEAN					553	
LOWEST ANNUAL MEAN					141	
HIGHEST DAILY MEAN	3260	May 7	2550	Feb 27	10100	Feb 4 1982
LOWEST DAILY MEAN	85	Oct 14	54	Aug 10	2.1	Oct 9 1954
ANNUAL SEVEN-DAY MINIMUM	87	Oct 8	59	Aug 4	2.3	Oct 5 1954
INSTANTANEOUS PEAK FLOW			3510	Aug 21	10700	Feb 4 1982
INSTANTANEOUS PEAK STAGE			10.12	Aug 21	19.90	Feb 4 1982
INSTANTANEOUS LOW FLOW			a51	Aug 12	b.52	Jul 6 1990
ANNUAL RUNOFF (CFSM)	1.76		1.26		1.36	
ANNUAL RUNOFF (INCHES)	23.96		17.17		18.49	
10 PERCENT EXCEEDS	871		631		660	
50 PERCENT EXCEEDS	274		209		194	
90 PERCENT EXCEEDS	102		91		61	

a Gage height, 0.79 ft.

b Due to construction work upstream of gage, gage height -0.31 ft.

APALACHICOLA RIVER BASIN

02337000 SWEETWATER CREEK NEAR AUSTELL, GA.--Continued

WATER-QUALITY RECORDS

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

REMARKS.--Laboratory chemical analyses 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 1991 TO SEPTEMBER 1992

DATE	TIME	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)
NOV 06...	0930	105	87	86	7.2	7.2	11.0	5.5	10.9	101
JAN 07...	0600	376	66	90	6.9	7.0	9.0	4.0	10.2	91
MAR 03...	0610	413	60	60	7.0	6.8	12.0	6.0	—	—
MAY 05...	0500	149	85	71	7.2	7.0	17.0	11.0	—	—
JUL 07...	0500	145	90	79	7.1	7.0	24.0	21.0	6.4	78
SEP 01...	0500	161	80	77	7.3	7.0	22.0	17.0	7.1	84

DATE	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LITY WAT WH TOT FET LAB MG/L AS CACO3	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)
NOV 06...	9.0	1.2	120	29	0.150	0.030	0.090	2.5
JAN 07...	12	1.5	330	18	0.290	<0.030	0.120	4.3
MAR 03...	18	1.0	640	11	0.310	0.080	0.040	3.3
MAY 05...	15	0.3	170	23	0.350	0.060	0.090	3.0
JUL 07...	20	0.4	330	24	0.240	0.030	0.070	3.0
SEP 01...	18	0.6	170	25	0.180	0.050	0.060	4.0

APALACHICOLA RIVER BASIN

02337170 CHATTAHOOCHEE RIVER NEAR FAIRBURN, GA.

LOCATION.--Lat 33°39'24", long 84°40'25", Fulton-Douglas County line, Hydrologic Unit 03130002, at downstream end of bridge pier on State Highways 74 and 92, 1.4 mi downstream from Deep Creek, 8.5 mi northwest of Fairburn, and at mile 281.8.

DRAINAGE AREA.--2,060 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--July 1965 to current year.

GAGE.--Water-stage recorder. Datum of gage is 719.07 ft above National Geodetic Vertical Datum of 1929 (levels by Georgia Department of Transportation).

REMARKS.--Records good to fair, except those for estimated daily discharges, which are fair. Flow regulated by Lake Sidney Lanier. (See "Lakes and Reservoirs in Apalachicola River Basin," station 02334400.) Diversions and return flows above station regulated by Gwinnett, DeKalb, and Cobb Counties, and by the city of Atlanta. Considerable diurnal fluctuation caused by Morgan Falls hydro-electric plant.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5820	4150	1710	2370	2490	2560	5970	3000	1580	4210	4530	1490
2	6340	4570	1730	2550	1840	2370	7120	3410	2490	7670	1700	1830
3	6260	e1900	5830	6780	1830	2740	6940	1990	3260	8170	1360	1740
4	6270	e1600	6110	5050	1950	2700	2910	1620	6180	4910	2610	1990
5	5960	2700	3280	2890	2340	2640	1990	2810	4490	1930	2600	11200
6	e1900	3930	2620	2200	2790	3450	1930	3870	3470	1860	2600	6310
7	e1550	2970	2320	2840	2410	4080	5200	4990	1800	3630	2550	2770
8	3600	3010	1860	2730	2940	2720	6080	4730	1760	4250	2340	2830
9	4700	2930	1820	3960	2110	2250	5590	4960	3060	4120	1350	2410
10	6140	e1750	2300	2580	1860	3450	3680	1960	2380	4050	1240	2130
11	6350	e1550	2480	2370	2030	3830	4160	1670	2160	3950	2050	2040
12	6030	2210	1770	2550	2110	2960	2420	2410	3060	1750	2940	1820
13	e2000	3020	1690	1900	2230	2790	2270	3440	2320	1620	5080	1500
14	e1550	2920	2610	2230	2320	2590	2300	3560	2000	4150	5300	1440
15	5400	2900	2310	2250	5660	2050	2670	3620	1760	3870	3320	1370
16	6440	2910	1840	2020	5870	1990	2640	2980	1700	4830	2140	1550
17	6280	e1700	2040	2300	4440	3240	2510	1730	1980	3540	2340	1670
18	6430	e1550	2070	1970	6070	3640	2410	1610	1790	4260	3190	4180
19	6090	1960	1990	1910	4240	7140	1890	2710	2320	2160	3420	2320
20	e2000	2530	1990	1800	3550	6010	1770	4200	1960	1610	3180	1590
21	e1550	4590	e1900	1940	2970	5080	2850	3720	1630	2980	5450	2490
22	5070	11400	e1550	2160	2780	4520	3260	3540	1530	5130	12400	2220
23	5920	5740	e1550	10400	3050	8660	2750	3340	1530	4780	5080	2980
24	6160	3700	1920	8590	3340	6600	2480	1910	1520	5170	3080	2760
25	6070	2250	2230	4980	5620	5250	2730	1640	1520	3780	2510	2520
26	5860	2260	2080	2900	12700	5700	1880	2410	2560	1990	2740	1520
27	e1950	2200	2000	2330	8050	5210	1700	2680	2760	1680	2720	2400
28	e1550	2100	3780	3110	6050	4860	2060	2670	1650	3390	4740	2900
29	2720	1870	3740	2850	3820	2470	3020	2740	1600	1630	2570	3470
30	3620	2030	2310	2730	---	2630	2900	2860	3020	2630	1810	3380
31	3770	---	2430	2620	---	5800	---	1760	---	3200	1550	---
TOTAL	141350	90900	75860	99860	109460	121980	98080	90540	70840	112900	100490	80820
MEAN	4560	3030	2447	3221	3774	3935	3269	2921	2361	3642	3242	2694
MAX	6440	11400	6110	10400	12700	8660	7120	4990	6180	8170	12400	11200
MIN	1550	1550	1550	1800	1830	1990	1700	1610	1520	1610	1240	1370
CFSM	2.21	1.47	1.19	1.56	1.83	1.91	1.59	1.42	1.15	1.77	1.57	1.31
IN.	2.55	1.64	1.37	1.80	1.98	2.20	1.77	1.63	1.28	2.04	1.81	1.46

e Estimated

APALACHICOLA RIVER BASIN

02337170 CHATTAHOOCHEE RIVER NEAR FAIRBURN, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1965 - 1992, BY WATER YEAR (WY)

MEAN	2918	2880	2898	4085	4255	4771	4780	3968	3075	2942	3246	2945
MAX	5518	5062	6353	8293	10370	11230	10720	7434	7393	4746	5606	5258
(WY)	1990	1975	1984	1972	1990	1990	1979	1984	1973	1967	1984	1967
MIN	1721	1706	1367	1482	1707	1698	1668	1431	1318	1583	1630	1654
(WY)	1989	1989	1989	1981	1986	1988	1986	1988	1988	1988	1988	1986

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1965 - 1992	
ANNUAL TOTAL	1402550		1193080		3565	
ANNUAL MEAN	3843	†4020	3260	†3310	5240	1990
HIGHEST ANNUAL MEAN					1879	1988
LOWEST ANNUAL MEAN					36900	Apr 14 1979
HIGHEST DAILY MEAN	14200	May 6	12700	Feb 26	1000	Jul 1 1970
LOWEST DAILY MEAN	1500	Aug 5	1240	Aug 10	1110	Oct 3 1986
ANNUAL SEVEN-DAY MINIMUM	1810	Mar 20	1630	Sep 11	39200	Mar 17 1990
INSTANTANEOUS PEAK FLOW			14600	Aug 22	25.74	Mar 17 1990
INSTANTANEOUS PEAK STAGE			14.88	Aug 22	1.73	
ANNUAL RUNOFF (CFSM)	1.87	†1.95	1.58	†1.61	23.51	
ANNUAL RUNOFF (INCHES)	25.33	†26.50	21.54	†21.82	6770	
10 PERCENT EXCEEDS	6890		5930		2640	
50 PERCENT EXCEEDS	3030		2670		1520	
90 PERCENT EXCEEDS	1830		1680			

† Adjusted for change in contents in Lake Sidney Lanier.

APALACHICOLA RIVER BASIN

02337170 CHATTAHOOCHEE RIVER NEAR FAIRBURN, GA.--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--February 1968 to May 1972, March 1974 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: July 1976 to current year.

pH: July 1976 to current year.

WATER TEMPERATURE: October 1975 to current year.

DISSOLVED OXYGEN: July 1976 to current year.

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

REMARKS.--Laboratory analyses are provided 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.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum recorded, 217 microsiemens, Jan. 11, 1988; minimum recorded, 33 microsiemens, July 7, 1976, May 3, 1985.

pH: Maximum recorded, 7.5 units, Nov. 20-23, 1980; minimum recorded, 5.5 units, Aug. 12, Sept. 13, 1978.

WATER TEMPERATURE: Maximum recorded, 32.0°C, June 24, 1981; minimum recorded, 2.5°C, Jan. 12, 1982.

DISSOLVED OXYGEN: Maximum recorded, 13.1 mg/L, Mar. 24, 1977; minimum recorded, 1.6 mg/L, July 26, 1977, Apr. 27, 1988.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 164 microsiemens, Sept. 16; minimum, 41 microsiemens, Aug. 21.

pH: Maximum, 7.3 units, on many days in Dec., Jan., and Apr.; minimum, 6.3 units Aug. 21.

WATER TEMPERATURE: Maximum, 29.5°C, July 14; minimum, 6.5°C mg/L, Jan. 20.

DISSOLVED OXYGEN: Maximum, 11.4 mg/L, Jan. 17, 19; minimum, 4.2 mg/L, July 14.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	TIME	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)
OCT										
02...	1015	7140	63	60	6.7	6.6	18.0	24.5	8.2	89
NOV										
06...	1045	4010	77	74	7.3	7.0	13.0	21.0	9.8	95
DEC										
04...	1015	6300	71	67	7.1	6.7	13.5	4.5	9.0	88
JAN										
08...	1010	3260	88	86	7.0	6.9	10.0	7.0	10.4	94
FEB										
05...	1015	2700	125	120	7.2	6.9	12.0	12.0	10.2	98
MAR										
04...	1000	3060	97	98	6.9	6.9	14.0	20.0	9.2	91
APR										
08...	1010	6210	70	68	7.1	6.9	13.0	16.0	9.7	94
MAY										
06...	0930	3140	77	72	7.3	7.0	16.0	13.5	8.9	93
JUN										
03...	1000	3250	77	71	7.2	6.9	17.5	22.5	8.4	90
JUL										
08...	0950	4230	76	73	7.3	7.0	20.0	27.0	7.8	87
AUG										
05...	0950	2720	86	82	7.0	7.1	22.0	25.5	8.6	101
SEP										
02...	0940	1860	139	136	7.2	7.0	26.0	25.5	6.4	81

APALACHICOLA RIVER BASIN

02337170 CHATTAHOOCHEE RIVER NEAR FAIRBURN, GA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	TUR- BID- ITY (NTU)	OXYGEN DEMAND, CHEM- ICAL (LOW LEVEL) (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LINITY WAT WH TOT FET LAB MG/L AS CACO3	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDE (MG/L)
OCT 02...	18	6	0.8	310	14	46
NOV 06...	12	10	3.0	330	16	4
DEC 04...	72	24	2.7	22000	16	77
JAN 08...	15	<5	1.4	20	21	20
FEB 05...	9.0	8	3.4	4900	23	13
MAR 04...	13	9	1.7	700	20	15
APR 08...	14	7	1.4	790	16	31
MAY 06...	12	39	0.9	80	16	--
JUN 03...	13	11	1.4	70	14	22
JUL 08...	21	<5	0.9	220	14	35
AUG 05...	22	7	1.3	1000	14	32
SEP 02...	24	6	1.3	790	27	34

DATE	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 02...	0.750	0.060	0.04	0.10	0.85	0.170	5.7
NOV 06...	0.900	0.110	0.09	0.20	1.1	0.200	2.2
DEC 04...	0.530	0.170	0.13	0.30	0.83	0.110	7.9
JAN 08...	1.00	0.390	0.11	0.50	1.5	0.200	4.6
FEB 05...	1.85	0.450	0.25	0.70	2.6	0.300	4.0
MAR 04...	1.14	0.280	0.12	0.40	1.5	0.130	3.2
APR 08...	0.720	0.200	0.40	0.60	1.3	0.120	4.0
MAY 06...	0.960	0.170	0.33	0.50	1.5	0.170	2.8
JUN 03...	1.06	0.190	0.11	0.30	1.4	0.160	2.2
JUL 08...	1.09	0.080	0.12	0.20	1.3	0.120	2.0
AUG 05...	1.21	0.110	0.01	0.12	1.3	0.210	2.0
SEP 02...	2.16	0.200	0.40	0.60	2.8	0.380	3.0

APALACHICOLA RIVER BASIN

02337170 CHATTAHOOCHEE RIVER NEAR FAIRBURN, GA.--Continued

SPECIFIC CONDUCTANCE, MICROSIEMENS PER CENTIMETER AT 25, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	129	57	96	74	126	112	129	103	133	99	111	103
2	71	56	98	65	127	116	121	91	132	118	113	106
3	73	56	122	78	132	68	113	66	127	120	123	99
4	72	56	135	122	88	68	88	69	136	122	125	98
5	76	55	140	96	106	88	101	88	139	104	129	99
6	123	76	115	79	117	98	115	101	129	100	128	97
7	131	122	100	83	128	102	127	95	121	107	113	81
8	133	74	104	79	130	113	131	89	135	91	106	102
9	102	61	103	76	128	116	127	83	126	105	120	108
10	74	55	125	98	137	116	115	92	118	103	125	97
11	73	54	129	120	131	96	128	101	131	110	103	82
12	73	54	138	96	137	119	120	94	143	107	114	93
13	122	73	128	78	138	125	125	100	145	107	128	97
14	134	122	104	77	134	101	127	110	135	104	125	94
15	139	61	105	78	110	96	123	110	132	65	124	117
16	73	54	108	77	119	108	131	115	83	64	122	116
17	68	55	129	102	129	111	135	106	97	80	129	93
18	69	54	133	125	141	104	131	113	89	73	107	77
19	70	53	145	106	138	104	131	114	95	86	103	64
20	118	69	149	87	146	105	152	131	110	88	75	70
21	134	118	107	73	138	105	151	116	117	95	79	71
22	139	57	73	61	142	125	141	107	121	96	93	72
23	75	55	84	71	134	125	132	60	121	100	78	59
24	71	55	94	83	142	123	76	64	99	87	---	---
25	72	54	119	94	129	95	88	73	110	68	---	---
26	73	53	127	102	110	88	106	88	65	57	---	---
27	119	73	142	104	122	97	116	105	72	63	---	---
28	131	119	139	101	126	84	125	100	87	67	80	66
29	134	86	130	104	89	80	126	96	103	86	107	80
30	89	76	125	97	105	89	126	97	---	---	113	106
31	87	71	---	---	123	100	130	96	---	---	---	---
MONTH	139	53	149	61	146	68	152	60	145	57	129	59

APALACHICOLA RIVER BASIN

02337170 CHATTAHOOCHEE RIVER NEAR FAIRBURN, GA.--Continued

SPECIFIC CONDUCTANCE, MICROSIEMENS PER CENTIMETER AT 25, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

[illegible]

APALACHICOLA RIVER BASIN

02337170 CHATTAHOOCHEE RIVER NEAR FAIRBURN, GA.--Continued

PH (STANDARD UNITS), WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	6.9	6.6	7.1	7.0	7.1	7.0	7.0	6.9	7.0	7.0	7.1	7.0
2	6.8	6.7	7.1	7.0	7.1	7.0	7.0	6.9	7.0	7.0	7.1	7.0
3	6.8	6.7	7.2	7.1	7.0	6.8	6.9	6.8	7.0	7.0	7.1	7.0
4	6.8	6.7	7.3	7.2	7.0	6.8	6.9	6.9	7.1	7.0	7.1	7.0
5	6.8	6.7	7.3	7.2	7.3	7.0	7.0	6.9	7.0	7.0	7.0	7.0
6	7.0	6.8	7.3	7.1	7.3	7.2	7.0	7.0	7.1	7.0	7.1	7.0
7	7.1	7.0	7.1	7.1	7.3	7.2	7.1	7.0	7.1	7.0	7.0	7.0
8	7.1	7.1	7.2	7.1	7.3	7.2	7.1	7.0	7.1	7.0	7.0	7.0
9	7.1	7.0	7.2	7.1	7.3	7.1	7.1	7.0	7.1	7.0	7.0	7.0
10	7.0	6.9	7.2	7.2	7.2	7.1	7.1	7.0	7.1	7.0	7.0	6.9
11	7.0	6.9	7.2	7.2	7.2	7.2	7.3	7.1	7.1	7.0	7.0	6.9
12	7.0	6.9	7.3	7.2	7.2	6.8	7.3	7.2	7.1	7.0	7.1	7.0
13	7.2	7.0	7.3	7.2	7.0	6.8	7.3	7.2	7.0	7.0	7.1	7.1
14	7.2	7.1	7.2	7.1	7.1	6.8	7.3	7.2	7.1	7.0	7.1	7.1
15	7.2	7.0	7.2	7.1	7.0	6.8	7.3	7.3	7.1	6.9	7.1	7.1
16	7.0	7.0	7.1	7.1	7.1	6.8	7.3	7.2	7.1	6.9	7.1	7.1
17	7.1	7.0	7.1	7.1	7.1	6.9	7.3	7.3	7.1	7.0	7.1	7.1
18	7.1	7.0	7.1	7.1	7.0	7.0	7.3	7.2	7.1	7.0	7.1	7.0
19	7.1	7.0	7.1	7.1	7.1	7.0	7.3	7.2	7.1	7.0	7.1	6.9
20	7.2	7.1	7.1	7.0	7.1	7.0	7.2	7.2	7.1	7.1	7.0	7.0
21	7.2	7.1	7.0	6.7	7.2	7.0	7.2	7.2	7.1	7.1	7.1	7.0
22	7.2	7.0	6.8	6.7	7.2	7.0	7.2	7.1	7.2	7.1	7.1	7.0
23	7.1	7.0	6.9	6.8	7.1	7.0	7.1	6.8	7.2	7.1	7.0	6.9
24	7.1	7.0	7.0	6.9	7.1	7.0	6.9	6.8	7.1	7.1	--	--
25	7.1	7.0	7.1	7.0	7.3	7.1	7.0	6.9	7.2	7.0	--	--
26	7.1	7.0	7.2	7.1	7.3	6.8	7.0	7.0	7.0	6.9	--	--
27	7.1	7.1	7.2	7.1	7.1	6.7	7.0	7.0	7.0	6.9	7.1	7.1
28	7.2	7.1	7.1	7.1	7.1	6.6	7.0	7.0	7.1	7.0	7.2	7.1
29	7.2	7.1	7.2	7.1	7.0	6.8	7.0	7.0	7.1	7.0	7.2	7.1
30	7.2	7.2	7.1	7.1	7.1	6.7	7.1	7.0	--	--	7.2	7.2
31	7.2	7.1	--	--	7.1	6.9	7.0	7.0	--	--	--	--
MONTH	7.2	6.6	7.3	6.7	7.3	6.6	7.3	6.8	7.2	6.9	7.2	6.9

[illegible]

APALACHICOLA RIVER BASIN

02337170 CHATTAHOOCHEE RIVER NEAR FAIRBURN, GA.--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	22.5	16.0	19.0	17.5	17.5	14.5	11.5	10.0	11.5	11.0	14.0	12.5
2	18.0	16.5	17.5	15.5	19.0	17.5	11.0	10.0	11.5	10.0	15.0	12.5
3	18.5	16.5	16.0	15.5	20.0	15.5	11.0	10.0	11.5	10.0	14.5	13.0
4	18.5	17.0	15.5	14.5	15.5	12.5	11.0	10.0	11.5	10.0	15.0	14.0
5	18.5	17.0	15.0	12.0	12.5	11.5	11.5	11.0	11.5	10.5	15.5	14.5
6	20.0	18.5	14.0	11.5	11.5	11.0	12.0	11.0	11.0	10.5	16.0	15.0
7	20.0	18.5	15.5	14.0	12.0	11.0	11.5	10.5	11.0	10.5	16.0	15.0
8	19.5	15.0	15.0	14.0	12.5	10.5	11.0	10.0	11.0	9.5	17.0	15.5
9	18.0	15.5	14.5	13.5	15.5	12.5	12.0	10.0	10.0	8.5	18.0	16.0
10	18.0	16.5	15.0	13.5	16.0	14.0	11.5	11.0	10.0	8.0	18.5	16.5
11	18.0	17.0	15.5	14.0	15.5	14.0	11.0	10.0	11.0	9.5	16.0	13.5
12	18.0	16.5	15.5	13.0	15.5	15.0	10.5	10.0	12.5	11.0	14.0	12.0
13	19.5	17.5	14.5	12.5	17.0	15.5	12.0	10.0	12.5	10.5	13.5	12.0
14	20.0	18.0	15.5	14.0	18.0	15.5	12.0	10.5	11.0	10.5	13.5	12.0
15	21.0	15.5	16.5	14.5	15.5	13.0	10.5	9.5	12.0	11.5	14.0	12.5
16	18.0	16.5	17.0	15.0	13.5	12.5	9.5	7.5	12.5	11.5	14.0	11.5
17	17.5	16.5	18.5	16.5	12.5	11.5	7.5	7.0	12.0	10.5	14.0	12.0
18	17.5	16.5	18.5	18.0	12.5	10.5	8.5	7.0	10.5	10.0	15.0	12.5
19	17.5	17.0	18.5	16.5	11.5	10.0	8.0	7.0	11.5	10.5	15.0	13.0
20	20.5	17.5	19.0	15.5	11.0	10.0	8.0	6.5	12.0	11.0	14.5	13.0
21	22.0	20.0	18.0	17.0	11.0	10.5	9.0	7.5	12.0	11.5	13.0	12.0
22	22.0	16.0	17.0	15.5	14.0	11.0	9.5	8.5	13.0	12.0	13.0	12.0
23	19.0	17.5	15.5	15.0	14.5	13.0	10.0	9.0	15.0	13.0	12.5	11.5
24	19.0	18.0	15.0	13.0	14.5	12.5	9.0	8.5	15.5	14.5	---	---
25	19.5	18.5	13.5	12.5	13.0	11.5	8.5	7.5	15.5	15.0	---	---
26	19.5	18.5	13.0	11.5	11.5	10.5	9.5	8.0	15.0	13.0	---	---
27	22.5	19.5	12.5	11.0	13.5	11.5	10.0	9.0	13.0	12.0	---	---
28	24.0	22.0	13.0	11.5	14.0	10.5	10.5	9.5	12.0	11.0	13.5	12.0
29	23.0	18.0	14.0	12.5	10.5	10.0	11.0	10.0	13.0	12.0	14.5	13.0
30	18.5	17.5	16.0	14.0	11.0	10.5	12.0	11.0	---	---	15.5	14.5
31	19.0	17.5	---	---	10.5	10.0	12.0	11.5	---	---	---	---
MONTH	24.0	15.0	19.0	11.0	20.0	10.0	12.0	6.5	15.5	8.0	18.5	11.5

APALACHICOLA RIVER BASIN

02337170 CHATTAHOOCHEE RIVER NEAR FAIRBURN, GA.--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

[illegible]

APALACHICOLA RIVER BASIN

02337170 CHATTAHOOCHEE RIVER NEAR FAIRBURN, GA.--Continued

OXYGEN, DISSOLVED (MG/L), WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	8.7	7.5	8.5	7.0	9.2	8.5	10.6	10.1	9.9	9.6	9.5	9.3
2	8.5	8.0	8.7	5.8	8.5	8.0	10.7	10.1	10.0	9.8	9.5	9.1
3	8.4	8.0	8.7	8.6	8.1	7.5	10.3	10.0	10.2	10.0	9.4	9.0
4	8.3	8.1	9.0	8.6	9.5	8.1	10.3	10.1	10.1	9.9	9.2	8.9
5	8.4	8.0	9.9	8.9	9.9	9.5	10.2	10.0	10.1	9.9	9.0	8.9
6	8.1	7.6	10.2	9.1	10.1	9.7	10.1	9.9	10.1	9.7	9.0	8.6
7	8.2	7.7	9.2	9.0	10.2	9.7	10.2	9.9	10.1	9.8	9.1	8.6
8	9.2	7.9	9.3	8.9	10.1	10.0	10.4	10.1	10.4	9.8	8.8	8.6
9	9.0	8.5	9.2	8.9	10.0	9.3	10.5	10.1	10.8	10.3	8.6	8.3
10	8.9	8.3	9.4	8.6	9.3	8.5	10.2	9.8	10.8	10.4	8.3	7.6
11	8.7	8.2	9.0	8.6	9.5	9.0	10.4	9.8	10.5	10.1	9.1	7.7
12	8.6	8.2	9.5	8.9	9.2	9.0	10.7	10.3	10.2	9.7	9.6	9.0
13	8.5	8.1	9.7	9.2	9.1	8.6	10.5	9.8	9.9	9.6	9.9	9.3
14	8.4	7.7	9.5	9.0	8.7	8.0	9.8	9.5	9.9	9.7	10.0	9.4
15	8.9	7.9	9.2	8.7	9.5	8.0	10.3	9.8	9.9	9.1	9.6	9.4
16	8.6	8.0	9.1	8.6	9.7	9.5	10.8	10.1	9.8	9.5	9.8	9.5
17	8.8	8.3	8.8	8.2	10.1	9.6	11.4	10.8	10.2	9.7	10.1	9.6
18	8.8	8.3	8.3	8.0	10.4	9.8	11.2	11.0	10.4	9.7	10.1	9.3
19	8.7	8.3	8.5	7.9	10.6	9.9	11.4	11.1	10.3	10.1	9.6	8.6
20	8.6	7.9	8.7	8.1	10.9	10.3	11.3	11.1	10.2	9.9	9.9	9.2
21	8.0	7.5	8.5	6.2	10.9	10.4	11.2	10.9	10.0	9.8	10.1	9.8
22	9.0	7.8	8.3	6.5	10.4	8.9	11.1	10.6	9.9	9.6	10.1	9.7
23	8.6	8.2	8.8	8.3	9.6	9.3	10.7	10.2	9.6	8.9	9.9	9.4
24	8.5	8.1	9.3	8.8	9.6	9.0	11.0	10.4	9.3	8.9	---	---
25	8.5	8.1	9.5	9.2	10.2	9.4	11.3	10.9	9.0	8.4	---	---
26	8.4	8.1	9.9	9.2	10.6	10.0	11.2	10.7	9.4	8.6	---	---
27	8.3	7.3	10.3	9.6	10.3	9.7	10.9	10.5	9.8	9.4	10.0	9.9
28	7.5	7.2	10.1	9.6	10.1	9.5	10.6	10.3	10.0	9.8	10.0	9.9
29	8.6	7.3	9.8	9.4	10.4	10.1	10.5	10.0	9.8	9.3	9.9	9.1
30	8.7	8.3	9.4	9.1	10.4	10.1	10.2	9.6	---	---	9.3	8.8
31	8.7	8.2	---	---	10.5	10.2	9.9	9.6	---	---	---	---
MONTH	9.2	7.2	10.3	5.8	10.9	7.5	11.4	9.5	10.8	8.4	10.1	7.6

[illegible]

APALACHICOLA RIVER BASIN

02337445 CHATTAHOOCHEE RIVER AT CAPPS FERRY BRIDGE NEAR RICO, GA.

LOCATION.--Lat 33°34'40", long 84°48'31", Fulton-Douglas County line, Hydrologic Unit 03130002, at bridge on Capps Ferry Road, 0.4 mi upstream from Mill Branch, 2.3 mi west of Rico, and at mile 271.1.

DRAINAGE AREA.--2,270 mi², approximately.

PERIOD OF RECORD.--Water years 1976-77; September 1988, July 1990 to current year.

REMARKS.--Laboratory analyses 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 by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	TIME	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)
OCT 01...	0600	3300	126	117	6.9	6.8	21.0	15.5	8.7	100
NOV 06...	1145	4300	81	75	7.1	6.9	12.0	15.0	10.2	97
DEC 03...	0630	1600	118	109	6.8	7.0	18.0	14.0	7.4	81
JAN 07...	0640	3000	109	100	7.1	7.1	11.0	5.0	9.0	84
FEB 04...	0615	2000	120	115	7.1	6.9	10.0	4.0	12.4	113
MAR 03...	0650	2900	107	102	7.1	6.8	13.0	7.0	—	—
APR 07...	0500	2600	108	103	7.0	7.0	15.0	12.0	7.6	77
MAY 05...	0530	3100	129	107	—	7.0	19.0	9.5	—	—
JUN 02...	0500	2200	120	110	6.8	6.9	20.0	15.0	7.5	85
JUL 07...	0540	2300	110	96	7.5	7.0	25.0	21.5	6.2	77
AUG 04...	0500	1500	118	115	7.3	7.0	25.0	21.0	7.1	88
SEP 01...	0515	1500	120	116	7.1	7.0	24.0	18.5	6.6	80

DATE	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LITY WAT WH TOT 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)
OCT 01...	16	1.1	230	20	29	1.98	0.090	0.310	3.0
NOV 06...	15	3.5	170	17	29	0.970	0.120	0.230	2.0
DEC 03...	29	2.2	230	14	31	1.58	0.090	0.280	4.5
JAN 07...	15	1.6	80	21	16	1.54	0.200	0.260	3.8
FEB 04...	10	1.4	50	18	13	1.81	0.250	0.320	3.4
MAR 03...	16	1.5	170	20	18	1.38	0.180	0.130	2.7
APR 07...	10	1.5	80	20	14	1.57	0.220	0.160	3.4
MAY 05...	12	0.8	130	19	18	2.24	0.200	0.350	3.0
JUN 02...	9.0	1.7	230	13	12	2.29	0.130	0.310	2.6
JUL 07...	39	0.7	2300	18	45	1.54	0.060	0.200	3.0
AUG 04...	13	1.1	490	15	15	1.98	0.130	0.280	4.0
SEP 01...	21	0.9	490	22	23	1.99	0.090	0.250	4.0

APALACHICOLA RIVER BASIN

02337500 SNAKE CREEK NEAR WHITESBURG, GA.

LOCATION.--Lat 33°31'46", long 84°55'42", Carroll County, Hydrologic Unit 03130002, on left bank, on downstream side of former bridge pier, 50 ft upstream from county highway bridge, at Banning Mills, 1.6 mi north of U.S. Highway 27 (ALT), 3 mi northwest of Whitesburg, 4 mi downstream from Little Snake Creek, and 7 mi upstream from mouth.
DRAINAGE AREA.--35.5 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--September 1954 to current year.

REVISED RECORDS.--WDR GA-90-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 832.75 ft above National Geodetic Vertical Datum of 1929 (leveling by global positioning system equipment).

REMARKS.--Records good.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Nov. 22	0315	*1,490	*6.35	Jan. 23	0715	1,390	6.13

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	24	27	33	37	50	73	74	49	35	35	24	30
2	24	27	35	40	48	69	70	48	35	42	22	36
3	24	23	88	92	47	66	66	47	46	51	22	41
4	23	22	66	65	46	64	65	46	57	41	21	34
5	23	22	49	52	50	64	62	45	43	33	21	50
6	22	22	43	46	52	132	61	46	39	31	20	81
7	21	22	39	43	47	92	89	47	36	29	21	56
8	21	22	37	40	45	79	78	48	51	27	21	39
9	22	22	38	43	43	72	69	46	55	25	20	34
10	22	22	39	40	42	91	65	44	46	25	19	34
11	22	22	36	38	42	76	68	43	44	24	24	39
12	21	22	35	37	42	69	65	42	46	23	24	32
13	20	22	34	42	43	65	63	51	46	23	67	31
14	20	22	41	44	43	62	60	45	46	22	46	29
15	29	22	36	39	121	61	58	43	59	23	33	27
16	24	22	34	37	90	59	57	41	50	32	30	26
17	23	22	34	36	126	58	57	41	42	27	29	27
18	22	22	33	37	114	63	56	40	40	29	31	27
19	22	22	32	41	83	119	56	39	40	28	25	26
20	22	23	31	38	69	77	60	40	36	25	25	26
21	22	118	31	38	65	68	85	39	33	24	103	26
22	22	455	31	39	59	70	68	37	31	25	89	25
23	22	106	31	475	78	138	60	36	31	76	93	24
24	23	57	32	154	68	88	57	35	30	55	51	29
25	22	45	31	89	228	79	54	34	29	35	37	27
26	23	39	30	71	284	81	52	34	28	30	32	25
27	23	36	31	63	130	72	51	34	30	27	46	27
28	22	34	57	63	96	68	51	37	28	29	67	30
29	22	33	54	58	80	67	51	41	28	26	43	27
30	22	33	44	55	---	86	50	44	29	25	36	24
31	22	---	39	52	---	92	---	38	---	24	31	---
TOTAL	696	1408	1224	2044	2331	2420	1878	1300	1189	971	1173	989
MEAN	22.5	46.9	39.5	65.9	80.4	78.1	62.6	41.9	39.6	31.3	37.8	33.0
MAX	29	455	88	475	284	138	89	51	59	76	103	81
MIN	20	22	30	36	42	58	50	34	28	22	19	24
CFSM	.63	1.32	1.11	1.86	2.26	2.20	1.76	1.18	1.12	.88	1.07	.93
IN.	.73	1.48	1.28	2.14	2.44	2.54	1.97	1.36	1.25	1.02	1.23	1.04

APALACHICOLA RIVER BASIN

02337500 SNAKE CREEK NEAR WHITESBURG, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1954 - 1992, BY WATER YEAR (WY)

MEAN	28.3	36.0	50.2	70.9	82.2	99.0	91.8	65.0	48.6	42.5	33.5	26.1
MAX	85.4	97.9	152	173	192	233	219	151	95.7	94.0	96.8	53.9
(WY)	1990	1978	1962	1972	1961	1990	1979	1973	1973	1976	1967	1989
MIN	4.43	11.1	12.8	12.3	31.4	31.5	29.6	22.9	11.7	8.93	6.85	7.19
(WY)	1955	1955	1956	1956	1989	1988	1986	1986	1988	1986	1986	1955

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1954 - 1992	
ANNUAL TOTAL	16889		17623		56.0	
ANNUAL MEAN	46.3		48.2		88.2	
HIGHEST ANNUAL MEAN					24.0	
LOWEST ANNUAL MEAN					2640	
HIGHEST DAILY MEAN	455	Nov 22	475	Jan 23	2.4	Feb 25 1961
LOWEST DAILY MEAN	20	Oct 13	19	Aug 10	2.7	Sep 29 1954
ANNUAL SEVEN-DAY MINIMUM	21	Oct 8	20	Aug 4	7690	Sep 23 1954
INSTANTANEOUS PEAK FLOW			1490	Nov 22	14.40	Feb 25 1961
INSTANTANEOUS PEAK STAGE			6.35	Nov 22	b2.3	Feb 25 1961
INSTANTANEOUS LOW FLOW			a19	Aug 6, 9-11	1.58	Oct 7 1954
ANNUAL RUNOFF (CFSM)	1.30		1.36		21.45	
ANNUAL RUNOFF (INCHES)	17.70		18.47		92	
10 PERCENT EXCEEDS	74		78		39	
50 PERCENT EXCEEDS	38		39		17	
90 PERCENT EXCEEDS	22		22			

a Gage height, 1.99 ft.

b Gage height, 1.56 ft

APALACHICOLA RIVER BASIN

02337500 SNAKE CREEK NEAR WHITESBURG, GA.--Continued

PERIOD OF RECORD.--March 1968 to June 1979, February 1990 to August 1990, April 1992.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: October 1961 to September 1962.

WATER TEMPERATURE: June 1960 to September 1964.

REMARKS.--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 1994.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily, 138 microsiemens, Aug. 14, 1962; minimum daily, 25 microsiemens Feb. 22, 1962.

WATER TEMPERATURE: Maximum, 34°C May 18, 19, 23, 1962; minimum 0.0°C January 20, 1962.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

		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)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)		
	DATE	TIME									
	APR 02...	0900	70	29	31	7.0	7.9	9.0	10.8	96	
DATE	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (NTU)	HARD-NESS TOTAL (MG/L AS CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM AD-SORP-TION RATIO	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY WAT.DIS FET LAB CACO3 (MG/L)	
APR 02...	20	5.4	7	1.7	0.75	2.2	36	0.4	0.90	9.3	
DATE	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SOLIDS, SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	NITRO-NITRO-CONSTI-NO2+NO3 TOTAL (MG/L)	GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	NITRO-NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	GEN, AMMONIA DIS-SOLVED (MG/L AS N)		
APR 02...	1.9	2.6	<0.10	9.1	36	0.160	0.170	0.010	0.020		
DATE	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N)	PHOS-PHORUS TOTAL (MG/L AS P)	PHOS-PHORUS DIS-SOLVED (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)	ALUM-INUM, DIS-SOLVED (UG/L AS AL)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC DIS-SOLVED (UG/L AS AS)			
APR 02...	<0.20	<0.20	<0.010	<0.010	1.6	20	<1	<1			
DATE	CADMIUM DIS-SOLVED (UG/L AS CD)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR)	COPPER, DIS-SOLVED (UG/L AS CU)	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	LEAD, DIS-SOLVED (UG/L AS PB)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	MERCURY DIS-SOLVED (UG/L AS HG)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	ZINC, DIS-SOLVED (UG/L AS ZN)
APR 02...	<1.0	<1	<1	180	2	<1	34	0.20	<0.1	<1	4

APALACHICOLA RIVER BASIN

02338000 CHATTAHOOCHEE RIVER NEAR WHITESBURG, GA.

LOCATION.--Lat 33°28'37", long 84°54'04", Carroll-Coweta County line, Hydrologic Unit 03130002, at downstream end of right bank pier of bridge on State Highway 16, 0.5 mi upstream from Central of Georgia Railroad bridge, 1.2 mi southeast of Whitesburg, 1.5 mi downstream from Cedar Creek, 2.0 mi downstream from Snake Creek, and at mile 259.8.

DRAINAGE AREA.--2,430 mi², approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1938 to June 1954, January 1965 to current year.

GAGE.--Water-stage recorder. Datum of gage is 682.06 ft above National Geodetic Vertical Datum of 1929. Prior to May 1, 1949, nonrecording gage at site 1.0 mi upstream at datum 2.00 ft higher. May 1, 1949 to June 30, 1954, nonrecording gage at present site at datum 2.00 ft higher.

REMARKS.--Records good, except those for the period of estimated daily discharges, which are fair. Flow regulated by Lake Sidney Lanier since January 1956. (See "Lakes and Reservoirs in Apalachicola River Basin," station 02334400). Diversions and return flows above station regulated by Gwinnett, DeKalb, and Cobb Counties, and by the City of Atlanta. Considerable diurnal fluctuation caused by Morgan Falls hydroelectric plant.

AVERAGE DISCHARGE.--42 years (water years 1939-53, 1966-92), 3,960 ft³/s, 22.14 in/yr.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4550	4110	2170	2880	2880	3430	6700	3380	1700	4250	4720	1920
2	6420	4890	2140	2700	2420	3040	7770	3570	2360	7510	2910	2070
3	6400	3020	4560	6450	2260	3270	7940	2990	3450	9530	1690	2230
4	6410	1720	8500	6770	2310	3260	4700	1970	6060	6230	2480	2290
5	6390	2400	4300	3980	2640	3160	2660	2520	5770	3060	2930	11200
6	3280	3850	3300	2900	3120	3750	2470	4010	4110	2300	2890	10400
7	1710	3420	2830	3200	2870	4700	4800	5350	2570	3130	2850	3800
8	3180	3180	2430	3230	3060	3610	6920	5300	2010	4660	2790	3510
9	4270	3220	2270	3980	2600	2910	6430	5420	3290	4530	1870	3270
10	6100	2330	2650	3520	2380	3320	4840	3300	3370	4420	1490	2590
11	6380	1710	2920	2810	2350	4860	4650	2010	2340	4520	1790	2570
12	6420	2230	2310	2940	2460	3590	3720	2470	3800	2620	3310	2340
13	3400	2940	2120	2520	2480	3260	2940	3500	2890	1470	4910	1990
14	1640	3220	2590	2570	2680	3130	2850	4130	2680	3550	6780	1860
15	4050	3130	3110	2820	4680	2630	3220	3940	2350	4070	3950	1760
16	6650	3120	2300	2440	8440	2470	3180	3530	2180	e5200	2680	1840
17	6500	2190	2390	2670	4910	3220	3070	2380	2420	e4000	2680	2000
18	6540	1650	2440	2410	8240	3990	2920	1740	2180	e4600	2960	3550
19	6440	2050	2390	2480	5250	7130	2460	2240	2350	e3000	3670	3660
20	3580	2510	2310	2290	4410	6840	2290	4220	2630	e2000	3440	2080
21	1690	3500	2340	2360	3640	5870	3100	4260	1910	e3000	4020	2510
22	3810	15000	1950	2640	3330	4910	4080	3900	1700	e5600	16300	2710
23	6010	8050	1900	10900	3190	9510	3360	3740	1670	e5400	7390	3040
24	6210	5020	2180	14100	4200	8200	3000	2760	1640	e5600	4290	3060
25	6270	3260	2560	6750	5080	6380	3050	1650	1620	e4400	3060	3360
26	6150	2740	2490	4060	17500	6450	2560	2190	2410	e3000	3050	2080
27	3390	2660	2340	3040	11500	6040	2170	3020	3130	e2200	3340	2110
28	1700	2540	3230	3440	7860	5630	2390	2930	2180	3230	5510	3630
29	2150	2290	4970	3420	5040	3710	3230	3090	1560	2800	3580	3660
30	3730	2370	3060	3210	---	2940	3390	3250	2650	2350	2540	3810
31	3860	---	2880	3030	---	5910	---	2420	---	3590	2030	---
TOTAL	145280	104320	89930	122510	133780	141120	116920	101180	80980	125820	117900	96900
MEAN	4686	3477	2901	3952	4613	4552	3897	3264	2699	4059	3803	3230
MAX	6650	15000	8500	14100	17500	9510	7940	5420	6060	9530	16300	11200
MIN	1640	1650	1900	2290	2260	2470	2170	1650	1560	1470	1490	1760

e Estimated

APALACHICOLA RIVER BASIN

02338000 CHATTAHOOCHEE RIVER NEAR WHITESBURG, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1965 - 1992, BY WATER YEAR (WY) (SINCE REGULATION)

MEAN	3207	3218	3353	4825	5075	5788	5590	4536	3465	3267	3543	3177
MAX	6800	5296	7833	10170	12550	13320	12830	8335	7734	5295	6396	5545
(WY)	1990	1978	1984	1972	1990	1990	1979	1984	1973	1967	1984	1967
MIN	1831	1830	1477	1643	2141	2060	1797	1603	1383	1651	1659	1790
(WY)	1989	1989	1989	1981	1986	1988	1986	1988	1988	1988	1988	1986

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1965 - 1992	
ANNUAL TOTAL	1575570		1376640			
ANNUAL MEAN	4317		3761		4082	
HIGHEST ANNUAL MEAN	†4494		†3811		5959	
LOWEST ANNUAL MEAN					2112	
HIGHEST DAILY MEAN	17700		17500		47600	
LOWEST DAILY MEAN	1640		1470		1090	
ANNUAL SEVEN-DAY MINIMUM	2170		1930		1200	
INSTANTANEOUS PEAK FLOW			19300		48700	
INSTANTANEOUS PEAK STAGE			14.63		25.90	
ANNUAL RUNOFF (CFSM)	1.78		1.55		1.68	
ANNUAL RUNOFF (INCHES)	24.12		21.07		22.83	
10 PERCENT EXCEEDS	7510		6410		7530	
50 PERCENT EXCEEDS	3460		3130		3090	
90 PERCENT EXCEEDS	2260		2080		1750	

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 1954, BY WATER YEAR (WY) (PRIOR TO REGULATION)

MEAN	1539	2418	3474	5199	5729	6846	5200	3691	2853	3137	2578	2118
MAX	3230	9942	7391	12910	10730	14290	9448	6336	5308	5823	4300	5433
(WY)	1950	1949	1949	1946	1946	1952	1944	1946	1949	1948	1940	1949
MIN	564	1009	1405	2347	2127	3072	2658	1410	1225	1496	959	843
(WY)	1942	1942	1940	1942	1941	1941	1941	1941	1941	1952	1951	1941

SUMMARY STATISTICS WATER YEARS 1939 - 1954

ANNUAL MEAN	3740	
HIGHEST ANNUAL MEAN	6221	1949
LOWEST ANNUAL MEAN	2166	1941
HIGHEST DAILY MEAN	57500	Jan 10 1946
LOWEST DAILY MEAN	468	Oct 26 1941
ANNUAL SEVEN-DAY MINIMUM	498	Oct 21 1941
INSTANTANEOUS PEAK FLOW	a59000	Jan 10 1946
INSTANTANEOUS PEAK STAGE	b25.10	Jan 10 1946
ANNUAL RUNOFF (CFSM)	1.54	
ANNUAL RUNOFF (INCHES)	20.91	
10 PERCENT EXCEEDS	6920	
50 PERCENT EXCEEDS	2730	
90 PERCENT EXCEEDS	1200	

† Adjusted for change in contents in Lake Sidney Lanier.

a From rating extended above 30,000 ft³/s on basis of velocity area and channel capacity studies.

b At site and datum then in use and from graph based on gage readings.

APALACHICOLA RIVER BASIN

02338000 CHATTAHOOCHEE RIVER NEAR WHITESBURG, GA.--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--February 1968 to May 1972, July 1975 to current year.

PERIOD OF DAILY RECORD.--

WATER TEMPERATURES: August 1975 to September 1976, November 1978 to September 1984.

REMARKS.--Laboratory analyses with the analyzing agency code 80113 are provided by the U.S. Geological Survey. Laboratory analyses with the analyzing agency code 81314 are provided 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.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURES: Maximum, 31.5°C June 24, 1981; minimum, 1.5°C Jan. 13, 1982.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

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)
OCT											
01...	0630	81341	2240	120	110	7.1	6.9	20.0	14.5	7.7	86
NOV											
06...	1245	81341	4370	108	102	7.0	7.0	12.0	--	9.9	94
DEC											
03...	0715	81341	2260	108	104	7.2	6.8	17.0	13.5	8.1	87
JAN											
07...	0715	81341	2720	96	91	7.3	7.0	10.0	1.0	10.8	98
FEB											
04...	0650	81341	2220	115	107	7.1	6.9	9.0	4.0	12.6	112
MAR											
03...	0715	81341	3020	94	89	7.1	6.8	12.0	7.0	--	--
APR											
07...	0545	81341	2580	103	96	7.3	7.1	14.0	10.0	9.7	96
MAY											
05...	0605	81341	1970	125	101	--	7.0	18.0	10.0	--	--
JUN											
02...	0545	81341	1690	115	106	7.2	7.0	19.0	13.5	7.7	85
JUL											
07...	0605	81341	2050	110	95	7.6	7.0	25.0	21.5	5.5	68
AUG											
04...	0530	81341	1690	107	103	7.5	7.0	24.0	19.0	6.5	79
SEP											
01...	0540	81341	1940	108	106	7.2	7.1	24.0	16.0	6.4	78

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER)	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LINITY WAT WH TOT 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)
OCT										
01...	81341	10	0.5	330	21	14	1.84	<0.030	0.270	4.1
NOV										
06...	81341	13	2.0	940	22	17	1.29	0.220	0.310	2.7
DEC										
03...	81341	15	1.5	790	21	15	1.52	0.060	0.210	4.4
JAN										
07...	81341	18	1.4	130	20	14	1.35	0.150	0.220	3.5
FEB										
04...	81341	8.0	1.4	30	22	7	1.70	0.190	0.250	2.9
MAR										
03...	81341	16	1.5	110	18	15	1.33	0.120	0.120	3.2
APR										
07...	81341	12	1.2	70	20	17	1.43	0.090	0.120	3.0
MAY										
05...	81341	11	0.4	170	20	14	1.84	0.060	0.230	4.5
JUN										
02...	81341	8.0	1.6	80	20	11	1.74	0.090	0.190	2.6
JUL										
07...	81341	28	0.7	3100	18	32	1.62	0.030	0.170	3.0
AUG										
04...	81341	14	1.0	1100	20	14	1.58	0.060	0.190	3.0
SEP										
01										
...	81341	21	0.7	1300	23	20	1.50	0.060	0.170	1.0

APALACHICOLA RIVER BASIN

02338000 CHATTAHOOCHEE RIVER NEAR WHITESBURG, GA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER)	DIS- CHARGE, INST. CUBIC FEET PER SECOND	TEMPER- ATURE WATER (DEG C)	SEDI- MENT, SUS- PENDED (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (T/DAY)
OCT						
21...	1515	80113	1670	19.5	8	36
21...	1520	80113	1670	19.5	9	41
DEC						
02...	1415	80113	2020	17.5	72	393
02...	1420	80113	2020	17.5	51	278
JAN						
14...	1350	80113	2530	11.0	15	102
14...	1355	80113	2530	11.0	14	96
APR						
06...	1518	80113	2500	14.5	6	41
06...	1523	80113	2500	14.5	7	47
MAY						
19...	1241	80113	1890	24.0	15	77
19...	1246	80113	1890	24.0	17	87
JUL						
01...	0840	80113	3390	23.0	85	778
01...	0845	80113	3390	23.0	95	870
AUG						
19...	1018	80113	3430	24.5	47	435
19...	1023	80113	3430	24.5	48	445
SEP						
23...	0844	80113	2500	23.0	22	149
23...	0849	80113	2500	23.0	25	169

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER)	DIS- CHARGE, INST. CUBIC FEET PER SECOND	BED MAT. SIEVE DIAM. % FINER THAN .062 MM	BED MAT. SIEVE DIAM. % FINER THAN .125 MM	BED MAT. SIEVE DIAM. % FINER THAN .250 MM	BED MAT. SIEVE DIAM. % FINER THAN .500 MM	BED MAT. SIEVE DIAM. % FINER THAN 1.00 MM	BED MAT. SIEVE DIAM. % FINER THAN 2.00 MM	BED MAT. SIEVE DIAM. % FINER THAN 4.00 MM	BED MAT. SIEVE DIAM. % FINER THAN 8.00 MM	BED MAT. SIEVE DIAM. % FINER THAN 16.0 MM
SEP												
23...	1010	84213	2850	<1	2	9	18	27	51	92	100	100
23...	1011	84213	2850	3	19	51	59	66	70	72	73	73
23...	1012	84213	2850	<1	<1	3	25	55	80	94	100	100
23...	1013	84213	2850	<1	<1	4	29	65	81	95	98	100
30...	0955	84213	4000	2	28	88	95	96	96	98	100	100
30...	0956	84213	4000	<1	1	3	13	68	95	100	100	100
30...	0957	84213	4000	<1	<1	1	15	65	93	99	99	100
30...	0958	84213	4000	<1	<1	2	23	80	83	97	100	100

APALACHICOLA RIVER BASIN

02338500 CHATTAHOOCHEE RIVER AT FRANKLIN, GA.

LOCATION.--Lat 33°16'45", long 85°06'00", Heard County, Hydrologic Unit 03130002, at the bridge on U.S. Highway 27 at Franklin, and at mile 235.5.

DRAINAGE AREA.--2,680 mi², approximately.

PERIOD OF RECORD.--July 1975 to current year.

REMARKS.--Flow regulated by Lake Sidney Lanier (see "Lakes and Reservoirs in Apalachicola River Basin," station 02334400). Laboratory chemical analyses 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. Records of discharge for the calendar years 1928-31 and 1938-39 are published in reports of the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	TIME	GAGE HEIGHT (FEET)	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)
OCT 01...	0930	10.54	90	85	7.0	6.8	19.0	20.5	7.7	85
NOV 06...	1500	8.74	130	130	7.3	7.3	14.0	19.0	10.4	103
DEC 03...	0950	7.74	105	94	6.9	6.9	17.0	12.5	7.9	84
JAN 07...	0845	7.64	86	84	7.1	7.1	10.0	1.0	10.2	92
FEB 04...	0930	7.37	105	106	7.2	7.0	9.0	6.0	12.8	113
MAR 03...	0845	8.44	86	85	6.8	6.9	12.5	11.0	-	-
APR 07...	0830	8.89	94	90	7.1	6.9	14.0	11.0	9.2	91
MAY 05...	0730	10.34	90	79	-	7.0	17.0	10.0	-	-
JUN 02...	0800	10.47	100	91	7.2	7.1	19.0	15.5	7.4	82
JUL 07...	0730	12.04	96	81	-	7.0	25.0	22.5	6.2	77
AUG 04...	0745	11.19	93	84	-	7.0	25.0	22.5	6.7	83
SEP 01...	0700	12.75	108	104	7.4	7.1	24.0	17.0	6.2	75

DATE	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LITY WAT WH TOT 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)
OCT 01...	9.0	1.3	270	16	7	0.960	<0.030	0.150	2.9
NOV 06...	10	2.5	4900	22	15	1.86	0.050	0.320	2.5
DEC 03...	19	1.1	2300	18	27	1.45	0.030	0.150	4.3
JAN 07...	27	1.3	330	17	-	0.990	0.060	0.160	4.9
FEB 04...	8.0	1.2	80	18	8	1.53	0.140	0.180	3.3
MAR 03...	31	1.1	330	16	64	1.05	0.040	0.080	3.0
APR 07...	18	2.0	20	16	24	1.17	0.040	0.100	3.6
MAY 05...	12	0.3	130	17	14	1.07	<0.030	0.130	3.3
JUN 02...	9.0	1.3	75	17	11	1.22	0.030	0.140	2.5
JUL 07...	24	0.3	1300	14	22	1.00	<0.030	0.080	2.0
AUG 04...	22	0.7	230	15	18	0.840	<0.030	0.120	3.0
SEP 01...	23	0.7	790	19	16	1.14	0.040	0.100	4.0

APALACHICOLA RIVER BASIN

02338660 NEW RIVER NEAR CORINTH, GA.

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

DRAINAGE AREA.--127 mi².

PERIOD OF RECORD.--October 1978 to current year.

REVISED RECORDS.--WDR GA-90-1: 1979(M).

GAGE.--Water-stage recorder. Datum of gage is 634.68 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Records good. Daily water temperature record available for water years 1979-84.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharge greater than base discharge of 1,800 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Jan. 24	0700	*1,510	*8.98

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	35	49	92	94	144	247	285	82	59	73	42	75
2	31	82	93	99	130	210	183	79	49	65	36	71
3	32	69	196	290	123	186	149	74	59	66	30	75
4	31	59	428	317	119	172	135	71	215	95	27	75
5	32	52	226	185	132	164	124	65	174	66	25	93
6	32	47	140	141	226	323	116	63	87	74	24	254
7	28	45	114	122	166	373	289	70	64	69	28	162
8	27	45	103	114	130	239	572	71	63	51	27	122
9	27	45	99	135	115	189	331	72	107	40	25	98
10	27	46	115	131	109	226	235	66	95	34	24	81
11	25	45	109	108	106	304	205	61	81	31	27	72
12	25	43	93	98	104	203	221	57	271	36	26	64
13	25	44	87	151	103	169	210	66	240	29	250	59
14	25	45	121	206	105	153	175	80	259	27	520	54
15	32	45	141	139	218	142	159	66	203	56	184	48
16	48	45	104	111	445	131	140	54	145	254	119	43
17	42	46	90	100	400	127	127	48	92	130	483	40
18	36	49	85	101	820	128	120	45	76	89	315	38
19	34	51	81	163	542	183	116	45	77	107	123	38
20	33	56	77	161	314	161	119	71	70	76	93	44
21	34	134	76	144	239	125	183	76	57	56	145	41
22	34	704	77	155	204	120	159	70	48	48	456	39
23	36	781	78	610	258	215	119	63	43	56	338	48
24	38	262	80	1220	272	216	106	53	42	70	127	57
25	41	147	75	539	339	150	101	40	38	58	94	58
26	45	114	71	330	837	157	91	32	36	46	78	48
27	49	102	71	254	798	141	85	32	63	45	133	74
28	48	93	134	255	416	122	85	34	68	94	454	132
29	46	88	226	236	307	113	85	54	51	80	296	144
30	44	85	137	191	---	135	84	88	50	71	123	93
31	42	---	106	165	---	399	---	90	---	53	88	---
TOTAL	1084	3518	3725	7065	8221	5923	5109	1938	2982	2145	4760	2340
MEAN	35.0	117	120	228	283	191	170	62.5	99.4	69.2	154	78.0
MAX	49	781	428	1220	837	399	572	90	271	254	520	254
MIN	25	43	71	94	103	113	84	32	36	27	24	38
CFSM	.28	.92	.95	1.79	2.23	1.50	1.34	.49	.78	.54	1.21	.61
IN.	.32	1.03	1.09	2.07	2.41	1.73	1.50	.57	.87	.63	1.39	.69

APALACHICOLA RIVER BASIN

02338660 NEW RIVER NEAR CORINTH, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1979 - 1992, BY WATER YEAR (WY)

MEAN	56.7	94.8	164	199	303	275	250	138	92.3	90.5	64.4	53.6
MAX	222	233	502	510	672	653	786	383	249	320	213	158
(WY)	1990	1984	1984	1990	1990	1990	1979	1991	1980	1989	1984	1988
MIN	14.1	25.2	65.8	67.2	116	104	70.6	46.8	12.3	4.18	8.49	12.9
(WY)	1982	1982	1989	1981	1989	1988	1986	1986	1988	1986	1988	1981

SUMMARY STATISTICS

FOR 1991 CALENDAR YEAR

FOR 1992 WATER YEAR

WATER YEARS 1979 - 1992

ANNUAL TOTAL	54356		48810			
ANNUAL MEAN	149		133		148	
HIGHEST ANNUAL MEAN					241	1990
LOWEST ANNUAL MEAN					80.4	1986
HIGHEST DAILY MEAN	1760	May 6	1220	Jan 24	7740	Mar 17 1990
LOWEST DAILY MEAN	20	Sep 18,19	24	Aug 6,10	.24	Aug 7 1986
ANNUAL SEVEN-DAY MINIMUM	22	Sep 14	26	Aug 4	.64	Aug 2 1986
INSTANTANEOUS PEAK FLOW			1510	Jan 24	10000	Mar 17 1990
INSTANTANEOUS PEAK STAGE			8.98	Jan 24	17.17	Mar 17 1990
ANNUAL RUNOFF (CFSM)	1.17		1.05		1.16	
ANNUAL RUNOFF (INCHES)	15.92		14.30		15.80	
10 PERCENT EXCEEDS	287		265		301	
50 PERCENT EXCEEDS	106		91		85	
90 PERCENT EXCEEDS	37		36		20	

APALACHICOLA RIVER BASIN

02338720 CHATTAHOOCHEE RIVER NEAR LAGRANGE, GA.

LOCATION.--Lat 33°04'42", long 85°06'39", Troup County, Hydrologic Unit 03130002, at the City of LaGrange water intake, 1.2 mi upstream from Yellowjacket Creek, and 5.3 mi northwest of LaGrange.

DRAINAGE AREA.--3,010 mi², approximately.

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

REMARKS.--Flow regulated by Lake Sidney Lanier (see "Lakes and Reservoirs in Apalachicola River Basin," station 02334400). Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determinations of Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	TIME	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)
OCT 01...	1000	78	78	7.6	8.1	22.0	22.0	9.5	111
NOV 06...	1605	74	86	7.4	7.4	16.5	18.5	10.0	104
DEC 03...	1030	75	74	7.3	6.8	15.0	14.0	8.4	86
JAN 07...	0930	75	71	7.3	6.9	8.5	6.0	12.4	108
FEB 04...	1000	87	86	7.3	6.9	10.0	9.0	11.6	105
MAR 03...	0930	60	60	7.1	6.7	14.0	13.5	-	-
APR 07...	0900	65	64	7.4	6.9	13.0	14.5	10.0	97
MAY 05...	0800	96	83	-	7.6	20.0	14.0	-	-
JUN 02...	0830	89	81	7.8	7.1	22.0	19.5	7.8	91
JUL 07...	0800	115	100	9.8	8.8	28.0	23.0	8.0	104
AUG 04...	0830	99	82	10.3	9.4	29.0	25.0	8.9	118
SEP 01...	0745	80	76	8.6	8.4	26.0	21.5	9.3	117

DATE	TUR- BID- ITY (NTU)	OXYGEN DEMAND, CHEM- ICAL (LOW LEVEL) (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LITY WAT WH TOT FET LAB MG/L AS CACO3	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDE (MG/L)
OCT 01...	3.0	12	2.4	20	17	3
NOV 06...	7.0	5	2.6	<20	18	8
DEC 03...	19	13	1.8	1700	14	12
JAN 07...	33	-	1.3	790	14	22
FEB 04...	18	6	1.3	<20	18	10
MAR 03...	44	<5	1.7	170	13	24
APR 07...	11	10	1.4	20	14	8
MAY 05...	5.0	11	1.1	<20	18	6
JUN 02...	4.0	12	3.4	<20	17	4
JUL 07...	3.0	13	2.8	80	19	6
AUG 04...	4.0	-	3.4	20	18	5
SEP 01...	8.0	-	3.5	<20	15	7

APALACHICOLA RIVER BASIN

02338720 CHATTAHOOCHEE RIVER NEAR LAGRANGE, GA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	NITRO- GEN, NO ₂ +NO ₃ (MG/L AS N)	NITRO- GEN, AMMONIA (MG/L AS N)	NITRO- GEN, ORGANIC (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC (MG/L AS N)	NITRO- GEN, (MG/L AS N)	PHOS- PHORUS (MG/L AS P)	CARBON, ORGANIC (MG/L AS C)
OCT 01...	0.440	<0.030	—	0.30	0.74	0.150	4.5
NOV 06...	0.930	0.030	0.17	0.20	1.1	0.140	2.0
DEC 03...	0.630	0.060	0.14	0.20	0.83	0.060	2.2
JAN 07...	0.870	0.150	—	—	—	0.140	3.8
FEB 04...	1.10	0.170	0.23	0.40	1.5	0.130	3.3
MAR 03...	0.550	0.050	0.15	0.20	0.75	0.080	4.9
APR 07...	0.700	<0.030	—	0.20	0.90	0.100	3.2
MAY 05...	0.760	0.040	0.36	0.40	1.2	0.050	4.7
JUN 02...	0.800	0.040	0.46	0.50	1.3	0.060	3.0
JUL 07...	0.620	<0.030	—	0.30	0.92	0.040	3.0
AUG 04...	0.160	<0.030	—	—	—	0.070	5.0
SEP 01...	0.350	<0.030	—	—	—	0.060	5.0

APALACHICOLA RIVER BASIN

02339500 CHATTAHOOCHEE RIVER AT WEST POINT, GA.

LOCATION.--Lat 32°53'10", long 85°10'56", Troup County, Hydrologic Unit 03130002, on right bank just downstream from Oselgee Creek at West Point, 1 mi upstream from bridge on U.S. Highway 29, 2.5 mi downstream from West Point Dam and at mile 198.9.

DRAINAGE AREA.--3,550 mi², approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--August 1896 to current year. Gage-height records collected at site 0.8 mi downstream since 1899 are contained in reports of National Weather Service.

REVISED RECORDS.--WSP 682: 1920, drainage area. WSP 972: 1931-32. WSP 1504: 1912, 1916-17.

GAGE.--Water-stage recorder. Datum of gage is 551.67 ft above National Geodetic Vertical Datum of 1929. Prior to Oct. 20, 1912, nonrecording gage at site 0.8 mi downstream at datum 2.83 ft lower. Oct. 20, 1912, to Jan. 25, 1925, nonrecording gage at site 500 ft upstream at present datum.

REMARKS.--Records good. Flow regulated by Lake Sidney Lanier since January 1956 and by West Point Lake since October 1974. (See "Lakes and Reservoirs in Apalachicola River Basin", stations 02334400 and 02339400.)

AVERAGE DISCHARGE.--96 years, 5,565 ft³/s, 21.30 in/yr, unadjusted.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known since at least 1827, that of Dec. 10, 1919. Flood in 1886 reached a stage of 25.6 ft at former site and datum, from floodmarks, by National Weather Service, discharge, 92,800 ft³/s.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10500	5080	707	3680	4970	9200	9100	7630	5330	7550	685	4680
2	10600	1750	7930	3720	745	9270	9050	762	5290	7580	671	5030
3	10600	2630	8100	3820	6390	9380	9080	735	5300	7530	4720	4670
4	10700	3460	8150	813	6440	9550	852	7560	5400	724	4940	4670
5	614	3460	8040	756	6550	9630	754	10200	4810	707	4720	659
6	594	3520	8060	5710	6730	9950	8980	10300	702	6690	4710	9240
7	7140	3600	739	5820	6530	1700	9290	10300	687	6770	4690	6050
8	11400	3520	713	8710	762	839	9770	10300	3660	6920	3520	7960
9	11500	674	9360	9050	735	5140	9380	754	754	6820	4020	7780
10	11600	656	9690	9060	5670	5170	9130	726	1690	5890	5350	6080
11	11600	3510	9870	2550	5690	5300	811	2040	1370	945	6070	5990
12	617	3520	9980	720	5700	5070	793	2030	1360	679	6110	676
13	595	3560	10100	7680	5740	5050	3550	2020	703	5990	2160	649
14	11600	3600	843	5670	5830	776	3530	2030	723	5980	6340	5140
15	11900	3530	749	2420	869	765	3490	2020	2630	5970	719	5100
16	12100	675	6120	2310	1130	5690	3520	690	4550	6050	675	5100
17	12300	674	6190	2320	3240	5710	3520	695	4520	6080	4720	5110
18	12500	7890	6240	845	3560	5750	779	3980	4550	687	4760	5160
19	708	8170	6280	912	7780	5770	766	3990	4660	2660	4740	3550
20	601	8320	6200	6830	7720	5730	4870	3980	746	6730	4720	3190
21	7150	8710	714	6880	7700	781	4970	3960	723	6750	4700	5730
22	7270	3250	692	2260	6510	761	4950	3960	4010	6760	659	5520
23	7370	1150	5200	3820	849	7670	4890	682	4120	6800	9890	5150
24	7410	776	5310	11600	10400	7760	5250	670	4040	6800	5440	5110
25	7320	8340	5570	2040	10600	7770	783	5570	4040	1000	5360	5100
26	630	8450	5320	6270	13200	7710	756	5600	5510	2630	5370	586
27	605	8490	5370	7870	15000	7700	4820	5610	700	6070	5450	587
28	5000	8540	771	7830	17700	855	6150	5620	699	3420	6870	6360
29	5060	8640	757	7840	14900	760	6230	5570	7410	6090	711	6400
30	5020	810	3800	7850	---	8950	7610	869	7500	6120	3320	6400
31	5090	---	3800	7840	---	9760	---	895	---	6120	4660	---
TOTAL	217694	128955	161365	155496	189640	175917	147424	121748	98187	157512	131470	143427
MEAN	7022	4298	5205	5016	6539	5675	4914	3927	3273	5081	4241	4781
MAX	12500	8710	10100	11600	17700	9950	9770	10300	7500	7580	9890	9240
MIN	594	656	692	720	735	760	754	670	687	679	659	586

APALACHICOLA RIVER BASIN
02339500 CHATTAHOOCHEE RIVER AT WEST POINT, GA.

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1956 - 1992, BY WATER YEAR (WY) (SINCE REGULATION)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	3699	4160	5140	6402	7643	8238	7988	5646	4568	4204	4314	3769
MAX	8536	8875	13340	14930	18980	19540	19940	13000	10250	6695	8890	6369
(WY)	1990	1978	1962	1972	1990	1990	1964	1964	1973	1963	1984	1967
MIN	948	1601	1592	1574	2766	1921	1961	1647	1807	1672	1068	1606
(WY)	1956	1956	1956	1956	1989	1988	1988	1985	1978	1988	1956	1986

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1956 - 1992	
ANNUAL TOTAL	2079057		1828835			
ANNUAL MEAN	5696		4997		5469	†5558
HIGHEST ANNUAL MEAN					8501	1990
LOWEST ANNUAL MEAN					2644	1988
HIGHEST DAILY MEAN	19400	May 12	17700	Feb 28	80000	Feb 26 1961
LOWEST DAILY MEAN	594	Oct 6	586	Sep 26	517	Jul 13 1986
ANNUAL SEVEN-DAY MINIMUM	2010	Mar 28	1320	Jun 9	659	Sep 2 1957
INSTANTANEOUS PEAK FLOW			20100	Nov 21	94400	Feb 26 1961
INSTANTANEOUS PEAK STAGE			10.02	Nov 21	24.90	Feb 26 1961
ANNUAL RUNOFF (CFSM)	1.60	†1.66	1.41	†1.42	1.54	†1.57
ANNUAL RUNOFF (INCHES)	21.79	†22.57	19.16	†19.28	20.93	†21.26
10 PERCENT EXCEEDS	10400		9370		10000	
50 PERCENT EXCEEDS	5480		5100		4310	
90 PERCENT EXCEEDS	764		712		1050	

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1896 - 1955, BY WATER YEAR (WY) (PRIOR TO REGULATION)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	2851	3348	5834	7504	8716	9939	7878	5453	4409	4614	4072	2990
MAX	9510	15260	18590	23150	21600	32730	21840	12620	13980	19300	12980	11080
(WY)	1899	1949	1933	1925	1903	1929	1936	1920	1900	1916	1901	1898
MIN	488	1134	1964	2995	2304	2785	2930	1917	1491	1697	578	333
(WY)	1932	1932	1940	1934	1898	1898	1905	1941	1898	1925	1925	1925

SUMMARY STATISTICS WATER YEARS 1896 - 1955

ANNUAL MEAN	5625
HIGHEST ANNUAL MEAN	10060
LOWEST ANNUAL MEAN	2882
HIGHEST DAILY MEAN	134000 Dec 10 1919
LOWEST DAILY MEAN	224 Sep 12 1925
ANNUAL SEVEN-DAY MINIMUM	248 Aug 29 1925
INSTANTANEOUS PEAK FLOW	a134000 Dec 10 1919
INSTANTANEOUS PEAK STAGE	b30.00 Dec 10 1919
INSTANTANEOUS LOW FLOW	c224 Sep 12 1925
ANNUAL RUNOFF (CFSM)	1.58
ANNUAL RUNOFF (INCHES)	21.53
10 PERCENT EXCEEDS	10800
50 PERCENT EXCEEDS	3840
90 PERCENT EXCEEDS	1660

† Adjusted for change in contents in Lake Sidney Lanier and West Point Lake.

a From rating curve extended above 80,000 ft³/s on basis of computation of peak flow over Langdale Dam.

b At site then in use; 29.25 ft at present site, from floodmarks.

c Gage height, 1.64 ft.

APALACHICOLA RIVER BASIN

02339500 CHATTAHOOCHEE RIVER AT WEST POINT, GA.--Continued

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.40	3.86	1.99	3.34	4.02	5.78	5.76	5.14	4.32	5.00	1.96	3.75
2	6.43	2.42	5.22	3.37	2.05	5.82	5.74	2.06	4.30	5.04	1.94	3.90
3	6.43	2.79	5.31	3.49	4.59	5.86	5.75	2.03	4.30	5.00	3.77	3.74
4	6.45	3.27	5.36	2.14	4.62	5.92	2.13	5.01	4.35	2.01	3.87	3.75
5	1.87	3.26	5.30	2.06	4.67	5.95	2.06	6.14	4.09	1.99	3.77	1.92
6	1.83	3.29	5.29	4.30	4.76	6.10	5.69	6.16	1.98	4.64	3.75	5.69
7	4.86	3.35	2.03	4.36	4.67	2.69	5.83	6.17	1.96	4.67	3.75	4.36
8	6.72	3.32	2.00	5.55	2.07	2.17	6.07	6.18	3.47	4.74	3.24	5.17
9	6.77	1.93	5.80	5.71	2.03	4.09	5.90	2.05	2.06	4.69	3.45	5.07
10	6.81	1.91	5.96	5.70	4.29	4.12	5.77	2.02	2.56	4.29	4.03	4.37
11	6.77	3.32	6.03	2.89	4.30	4.20	2.14	2.69	2.36	2.12	4.33	4.32
12	1.85	3.33	6.07	2.01	4.30	4.08	2.12	2.67	2.35	1.95	4.35	1.94
13	1.82	3.35	6.12	5.13	4.32	4.05	3.40	2.67	1.99	4.33	2.67	1.90
14	6.72	3.37	2.10	4.37	4.35	2.09	3.41	2.68	2.01	4.31	4.53	4.21
15	6.86	3.34	2.05	2.90	2.19	2.08	3.38	2.67	2.99	4.30	2.01	4.19
16	6.93	1.94	4.45	2.80	2.43	4.30	3.39	1.97	3.94	4.34	1.94	4.18
17	7.00	1.94	4.48	2.83	3.33	4.33	3.39	1.97	3.92	4.37	3.78	4.19
18	7.07	5.07	4.50	2.18	3.52	4.34	2.09	3.64	3.93	1.96	3.82	4.22
19	1.90	5.22	4.51	2.24	5.24	4.36	2.08	3.65	3.99	2.99	3.79	3.39
20	1.81	5.27	4.48	4.80	5.20	4.34	3.90	3.64	2.05	4.65	3.77	3.20
21	4.73	5.43	2.00	4.80	5.19	2.09	3.98	3.63	2.02	4.65	3.76	4.47
22	4.80	3.42	1.97	2.80	4.62	2.07	3.98	3.63	3.50	4.65	1.92	4.43
23	4.83	2.42	4.04	3.57	2.18	5.14	3.93	1.95	3.58	4.69	5.97	4.20
24	4.85	2.09	4.11	6.73	6.28	5.21	4.06	1.94	3.51	4.69	4.11	4.18
25	4.82	5.40	4.24	2.77	6.39	5.20	2.09	4.42	3.50	2.17	4.05	4.16
26	1.84	5.48	4.10	4.48	7.40	5.18	2.06	4.44	4.15	2.97	4.06	1.77
27	1.81	5.49	4.13	5.26	8.17	5.18	3.86	4.45	1.98	4.35	4.09	1.77
28	3.81	5.50	2.06	5.23	9.18	2.14	4.50	4.45	1.98	3.21	4.75	4.80
29	3.85	5.54	2.06	5.23	8.10	2.07	4.55	4.44	4.93	4.38	2.00	4.84
30	3.83	2.07	3.40	5.23	---	5.67	5.13	2.19	4.98	4.40	3.18	4.84
31	3.86	---	3.39	5.22	---	6.04	---	2.22	---	4.38	3.75	---
MEAN	4.72	3.61	4.02	3.98	4.64	4.28	3.94	3.52	3.23	3.93	3.55	3.90
MAX	7.07	5.54	6.12	6.73	9.18	6.10	6.07	6.18	4.98	5.04	5.97	5.69
MIN	1.81	1.91	1.97	2.01	2.03	2.07	2.06	1.94	1.96	1.95	1.92	1.77
CAL YR 1991	MEAN 4.31		MAX 9.93		MIN 1.81							
WTR YR 1992	MEAN 3.94		MAX 9.18		MIN 1.77							

APALACHICOLA RIVER BASIN

02339500 CHATTAHOOCHEE RIVER AT WEST POINT, GA.--Continued

WATER-QUALITY RECORDS

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

REMARKS.--Laboratory chemical analyses are provided 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 1991 TO SEPTEMBER 1992

DATE	TIME	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)
OCT 01...	1100	16300	83	76	7.3	7.0	23.5	25.5	6.5	78
NOV 06...	1810	724	85	75	7.3	7.1	15.5	13.0	9.1	93
DEC 03...	1145	17600	86	86	7.3	6.7	14.0	12.0	7.8	78
JAN 07...	1040	17300	86	86	7.4	7.1	10.0	9.0	10.6	96
FEB 04...	1120	16000	79	83	7.3	7.0	9.0	17.0	13.2	116
MAR 03...	1035	17000	74	73	7.1	6.8	14.0	19.0	--	--
APR 07...	1000	16900	75	74	7.1	7.0	14.0	16.0	11.0	109
MAY 05...	0915	14700	75	65	--	6.9	17.0	15.0	--	--
JUN 02...	0945	8170	80	73	--	6.8	19.0	23.0	5.0	55
JUL 07...	0950	692	97	76	--	7.0	26.0	29.5	4.5	56
AUG 04...	0945	656	94	82	--	6.9	26.0	28.5	4.6	58
SEP 01...	0850	656	87	76	--	6.9	24.0	23.0	5.6	67

DATE	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LINITY WAT WH TOT FET LAB MG/L AS CACO3	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)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)
OCT 01...	3.0	0.9	<20	15	0.400	0.050	--	3.9	30	16
NOV 06...	4.0	1.4	20	20	0.440	0.080	0.070	1.3	--	--
DEC 03...	5.0	1.1	20	17	0.720	0.070	0.040	3.1	540	67
JAN 07...	4.0	1.3	<20	20	0.740	0.080	0.140	4.5	--	--
FEB 04...	12	1.3	<20	17	1.00	0.120	0.050	2.7	80	<10
MAR 03...	15	1.1	130	15	0.760	0.060	0.030	3.1	320	14
APR 07...	7.0	1.3	20	16	0.740	<0.030	0.100	3.5	200	<10
MAY 05...	6.0	0.4	<20	16	0.460	0.040	0.060	2.0	80	<10
JUN 02...	4.0	1.4	<20	16	0.540	0.050	0.050	2.3	40	<10
JUL 07...	6.0	0.4	200	20	0.250	0.080	0.040	3.0	350	59
AUG 04...	5.0	1.7	50	23	0.290	0.130	0.080	3.0	450	72
SEP 01...	7.0	0.7	80	18	0.290	0.080	0.030	3.0	--	--

APALACHICOLA RIVER BASIN

02339720 LONG CANE CREEK NEAR WEST POINT, GA.

LOCATION.--Lat 32°54'37", long 85°08'43", Troup County, Hydrologic Unit 03130002, at bridge on Webb Road 2.5 mi northeast of West Point.

DRAINAGE AREA.--74.8 mi², approximately.

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

REMARKS.--Laboratory chemical analyses 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 1991 TO SEPTEMBER 1992

DATE	TIME	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)
OCT 01...	1045	32	385	372	7.4	7.1	19.0	28.0	6.1	67
NOV 06...	1720	--	425	425	7.3	7.3	11.5	18.0	7.9	74
DEC 03...	1115	55	230	262	7.0	6.9	18.0	14.0	5.6	61
JAN 07...	1015	74	205	209	7.1	7.1	8.5	5.0	11.8	103
FEB 04...	1100	83	194	206	7.2	7.0	9.0	15.5	11.4	101
MAR 03...	1015	105	181	189	6.9	6.8	14.0	19.0	--	--
APR 07...	0930	170	178	172	7.0	6.9	13.0	16.0	8.7	84
MAY 05...	0900	52	325	315	--	7.2	18.5	18.0	--	--
JUN 02...	0930	52	255	73	7.6	7.0	18.0	23.0	5.5	59
JUL 07...	0930	46	250	246	--	7.2	25.0	25.0	5.3	65
AUG 04...	0915	45	275	304	--	7.2	25.0	27.0	5.4	67
SEP 01...	0830	53	320	351	--	7.2	22.0	22.5	5.2	60

DATE	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LINITY WAT WH TOT FET LAB MG/L AS CACO3	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)
OCT 01...	7.0	0.7	330	56	2.03	0.030	0.810	8.8
NOV 06...	6.0	1.7	490	64	2.18	0.090	0.740	7.3
DEC 03...	11	1.4	1700	44	1.03	0.040	0.390	8.1
JAN 07...	12	1.0	330	40	0.820	<0.030	0.300	7.0
FEB 04...	9.0	1.1	230	33	0.850	0.110	0.290	3.3
MAR 03...	12	1.2	140	30	0.850	0.070	0.290	4.4
APR 07...	62	2.9	1300	25	0.820	0.100	0.430	8.2
MAY 05...	18	0.9	130	51	1.33	0.070	0.530	8.5
JUN 02...	19	2.7	220	47	1.02	0.230	0.460	6.3
JUL 07...	26	0.8	490	45	1.51	0.050	0.430	5.0
AUG 04...	11	1.3	170	52	1.43	0.070	0.570	7.0
SEP 01...	9.0	2.4	170	65	1.14	0.110	0.480	8.0

APALACHICOLA RIVER BASIN

02339780 CHATTAHOOCHEE RIVER AT LANGDALE, ALA.

LOCATION.--Lat 32°48'50", long 85°10'03", Chambers County, Ala.-Harris County, Ga., Hydrologic Unit 03130002, at right end of Langdale Dam, 0.3 mi upstream from Moores Creek, 2.8 mi downstream from Long Cane Creek, and 0.4 mi south of Langdale.

DRAINAGE AREA.--3,630 mi².

PERIOD OF RECORD.--October 1982 to April 1992 (discontinued).

GAGE.--Water-stage recorder. Datum of gage is 540.01 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Flow regulated by Lake Sidney Lanier since January 1956 and by West Point Lake since October 1974. (See "Lakes and Reservoirs in Apalachicola Basin," stations 02334400 and 02339400.)

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 12.20 ft, Mar. 18, 1990.

EXTREMES FOR CURRENT PERIOD.--October 1991 to April 1992: Maximum recorded gage height, 10.57 ft, Nov. 21.

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.47	8.32	7.90	8.15	--	9.21	9.34	--	--	--	--	--
2	9.48	7.48	9.03	8.34	--	9.36	9.34	--	--	--	--	--
3	9.47	8.20	9.16	8.35	--	9.36	9.34	--	--	--	--	--
4	9.48	8.48	9.20	7.82	--	9.38	8.69	--	--	--	--	--
5	7.30	8.29	9.17	7.13	--	9.39	9.37	--	--	--	--	--
6	6.54	8.35	9.15	8.40	--	9.48	9.33	--	--	--	--	--
7	8.55	8.39	7.77	8.85	--	8.41	7.74	--	--	--	--	--
8	9.29	8.35	7.89	9.18	--	7.98	7.72	--	--	--	--	--
9	9.60	7.60	9.14	9.34	--	8.60	8.11	--	--	--	--	--
10	9.61	7.32	9.37	9.28	--	8.79	8.50	--	--	--	--	--
11	9.59	8.18	9.39	8.34	--	8.84	8.52	--	--	--	--	--
12	7.14	8.43	9.40	7.51	--	8.81	8.34	--	--	--	--	--
13	6.57	8.43	9.42	--	--	8.76	8.52	--	--	--	--	--
14	9.37	8.45	7.73	--	--	7.56	8.10	--	--	--	--	--
15	9.62	8.43	7.08	--	--	7.86	8.30	--	--	--	--	--
16	9.64	7.13	8.42	--	--	8.76	7.82	--	--	--	--	--
17	9.68	6.53	8.89	--	--	8.85	7.96	--	--	--	--	--
18	9.75	8.17	8.90	--	--	8.85	8.61	--	--	--	--	--
19	7.38	8.91	8.90	--	--	8.88	8.59	--	--	--	--	--
20	6.71	8.95	8.89	--	--	8.87	8.57	--	--	--	--	--
21	8.50	9.10	7.38	--	--	7.68	8.44	--	--	--	--	--
22	8.68	8.78	7.19	--	--	7.93	8.16	--	--	--	--	--
23	8.72	8.32	8.51	--	--	9.02	8.27	--	--	--	--	--
24	8.77	8.09	8.75	--	--	9.18	7.66	--	--	--	--	--
25	8.72	9.12	8.79	--	--	9.17	7.46	--	--	--	--	--
26	7.59	9.25	8.75	--	--	9.16	7.78	--	--	--	--	--
27	6.61	9.25	8.76	--	10.11	9.16	--	--	--	--	--	--
28	8.01	9.25	7.57	--	10.37	7.79	--	--	--	--	--	--
29	8.37	9.26	7.57	--	10.19	7.93	--	--	--	--	--	--
30	8.38	8.09	8.44	--	--	9.17	--	--	--	--	--	--
31	8.42	--	8.13	--	--	9.43	--	--	--	--	--	--
MEAN	8.55	8.36	8.54	--	--	8.76	--	--	--	--	--	--
MAX	9.75	9.26	9.42	--	--	9.48	--	--	--	--	--	--
MIN	6.54	6.53	7.08	--	--	7.56	--	--	--	--	--	--
CAL YR 1991	MEAN 8.67		MAX 10.52		MIN 6.24							

APALACHICOLA RIVER BASIN

02341500 CHATTAHOOCHEE RIVER AT COLUMBUS, GA.

LOCATION.--Lat 32°27'45", long 84°59'52", Muscogee County, Ga.-Russell County, Ala., Hydrologic Unit 03130003, on left bank at downstream side of Central of Georgia railway bridge at Columbus, 0.5 mi downstream from Eagle and Phenix Dam, 1.2 mi downstream from City Mills Dam, 2.6 mi downstream from North Highlands Dam, 3.3 mi downstream from Oliver Dam, 17.5 mi downstream from Bartlett's Ferry Dam, and at mile 159.9.

DRAINAGE AREA.--4,670 mi², approximately.

PERIOD OF RECORD.--August 1929 to current year. Records for December 1912, published in WSP 322, have been found to be unreliable and should not be used.

REVISED RECORDS.--WSP 1082: 1943(M). WDR GA-90-1: 1967(M), 1969(M), 1971-72(M). See also period of record.

GAGE.--Water-stage recorder. Datum of gage is 183.14 ft above National Geodetic Vertical Datum of 1929. Dec. 1-31, 1912, nonrecording gage at site 800 ft upstream at datum 2.0 ft higher, and Aug. 23, 1929, to Sept. 30, 1975, recording gage at present site, at datum 2.0 ft higher. Oct. 1, 1963, to Sept. 30, 1966, water-stage recorder at Walter F. George Reservoir, and since Oct. 1, 1966, water-stage recorder at Alabama State Docks used as auxiliary gage for this station.

REMARKS.--Records fair, except those less than 2,500 ft³/s and those for the period of estimated daily discharges, which are poor. Flow regulated by Lake Sidney Lanier since January 1956, West Point Lake since October 1974, and by Lake Harding since 1929. (See "Lakes and Reservoirs in Apalachicola River Basin", stations 02334400, 02339400, and 02341000.) Records of chemical analyses for the period February 1968 to May 1972 are published in reports of the U.S. Geological Survey.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum discharge known since at least 1827, 198,000 ft³/s, Mar. 15, 1929, computation of flow at North Highlands Dam before redevelopment; maximum stage known, 53.2 ft, Mar. 16, 1929, datum in use prior to 1975.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10300	5600	2830	4630	6670	11100	9390	7980	5110	8960	3370	6070
2	11100	2060	e7000	5180	4240	10100	9730	4220	5810	8810	3030	5590
3	e11000	1570	e9000	4410	5840	12200	12200	2010	5970	6830	5360	5670
4	e11000	5130	e9000	2830	7470	12200	2300	4950	7520	4660	4510	5270
5	3760	2510	11200	2380	7820	11000	2950	10100	5560	2620	5010	4260
6	e2650	3660	9540	5900	8700	20200	6390	10700	2400	5360	5660	8880
7	e6100	3680	2960	6110	6990	13700	11100	11000	1920	5940	5270	10700
8	e10000	3450	1790	6450	2250	4540	12500	10800	3940	6880	3860	8310
9	e12500	1500	6080	11200	3190	5140	12300	4770	3910	7070	5080	8760
10	e12000	1160	9870	10100	4860	9670	10400	1590	3630	7130	6730	7540
11	e12000	1790	10600	5940	5810	7100	4670	2070	2620	2990	7010	6600
12	e3800	2650	11600	2230	6470	9040	2140	2810	1960	2080	6880	2560
13	e6000	3380	11400	14700	6630	5420	3520	3140	1970	5220	6290	2330
14	e10000	3570	4750	16800	6980	2210	4370	2430	2110	6050	9430	4340
15	e13000	4570	2190	8280	9540	4090	4670	1330	4190	6880	5630	6890
16	e13500	1240	5630	4290	12400	5680	4170	1490	5330	6910	4350	5910
17	e13500	1320	7080	2760	9510	5960	3820	1290	4420	7310	e4500	5210
18	e12000	3640	7200	2450	15300	8490	2750	1660	5630	2720	e5100	6740
19	e4000	2820	7420	2610	10800	8250	2920	1710	5290	4070	e5800	5700
20	e3300	5590	6390	7230	13600	6420	4330	3570	2540	7590	e5000	3720
21	e12500	9270	2290	8990	11600	3360	6280	3710	2450	7020	e6200	5420
22	e12000	13900	1730	5850	8030	3130	6420	2940	3730	8360	4180	6110
23	e10000	3830	4230	8660	4480	6400	5340	1800	3580	7530	7500	5890
24	7400	3350	4880	12000	10700	8340	6280	1860	4530	8050	10200	7420
25	8550	6350	6620	11400	12300	8690	1990	2870	4970	3260	7130	5660
26	2820	9970	6320	6360	16700	9590	1170	4740	6200	3140	7900	2380
27	1260	7490	6320	9680	22400	9330	3430	5890	1970	7060	9780	3770
28	3490	10200	3600	10900	24000	4020	5760	6350	2050	5630	8360	6610
29	4950	9770	1560	9650	21600	3930	8470	5580	5290	6330	2920	6640
30	5510	2730	4350	10400	---	8990	9020	4490	7170	6220	3060	7590
31	5150	---	3840	7070	---	10500	---	2320	---	6540	6360	---
TOTAL	255140	137750	189270	227440	286880	248790	180780	132170	123770	185220	181460	178540
MEAN	8230	4592	6105	7337	9892	8025	6026	4264	4126	5975	5854	5951
MAX	13500	13900	11600	16800	24000	20200	12500	11000	7520	8960	10200	10700
MIN	1260	1160	1560	2230	2250	2210	1170	1290	1920	2080	2920	2330

e Estimated

APALACHICOLA RIVER BASIN

02341500 CHATTAHOOCHEE RIVER AT COLUMBUS, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1929 - 1992, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	3817	4625	6620	8776	10210	11420	10450	6684	5020	4985	4690	3869
MAX	10480	20100	20090	24030	24380	26140	30030	16020	10330	13200	11660	8369
(WY)	1990	1949	1933	1936	1990	1990	1964	1964	1973	1948	1984	1967
MIN	701	888	1826	1905	3119	3135	3196	2237	1384	1894	1384	938
(WY)	1955	1932	1940	1956	1989	1988	1986	1985	1941	1988	1956	1954

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1929 - 1992	
ANNUAL TOTAL	2781950		2327210		6742	
ANNUAL MEAN	7622		6358		11050	
HIGHEST ANNUAL MEAN	†7826		†6400		1990	
LOWEST ANNUAL MEAN					3507	
HIGHEST DAILY MEAN	32000		24000		120000	
LOWEST DAILY MEAN	1160		1160		480	
ANNUAL SEVEN-DAY MINIMUM	2500		1860		553	
INSTANTANEOUS PEAK FLOW			31600		145000	
INSTANTANEOUS PEAK STAGE			16.80		a47.80	
INSTANTANEOUS LOW FLOW					294	
ANNUAL RUNOFF (CFSM)	1.63		1.36		1.44	
ANNUAL RUNOFF (INCHES)	22.16		18.54		19.62	
10 PERCENT EXCEEDS	12500		11100		12200	
50 PERCENT EXCEEDS	6930		5810		5080	
90 PERCENT EXCEEDS	2660		2300		1830	

† Adjusted for change in contents in Lake Sidney Lanier, West Point Lake, and Lake Harding.

a Datum then in use.

b Oct 23 and Nov 14, 1941.

APALACHICOLA RIVER BASIN

02341500 CHATTAHOOCHEE RIVER AT COLUMBUS, GA.--Continued

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.07	6.44	5.97	5.23	7.86	9.92	8.62	8.21	5.61	7.80	5.68	7.72
2	8.35	4.97	---	5.63	6.99	9.50	8.78	7.08	5.81	7.71	5.52	7.36
3	---	4.79	---	5.01	7.41	10.21	9.92	6.37	5.85	6.79	6.48	7.25
4	---	6.47	---	4.06	7.73	10.10	6.41	6.98	6.60	5.85	6.11	6.94
5	4.68	5.36	9.39	3.84	7.93	9.65	6.22	8.68	5.78	5.01	6.23	6.31
6	---	5.74	8.68	5.60	8.44	13.52	7.42	9.00	4.46	6.10	6.49	8.29
7	---	6.02	6.28	5.86	8.10	11.75	9.29	9.07	4.27	6.29	6.33	9.28
8	---	5.89	5.66	5.99	6.13	7.82	10.20	8.96	5.25	6.70	5.59	8.37
9	---	4.90	7.07	8.44	6.19	7.36	10.08	6.58	5.45	6.76	6.14	8.20
10	---	4.91	8.66	8.06	6.62	9.15	9.36	5.37	5.33	6.80	6.84	8.08
11	---	5.08	9.09	6.02	6.89	8.39	7.64	5.54	4.95	5.11	6.96	7.51
12	---	5.32	9.52	4.01	7.11	8.99	6.75	5.67	4.60	4.65	6.96	5.86
13	---	5.53	9.33	10.38	7.12	7.42	7.16	5.74	4.67	6.11	6.88	5.84
14	---	5.68	6.99	12.94	7.19	5.86	7.36	5.57	4.86	6.35	8.22	6.52
15	---	6.01	6.06	9.16	8.58	6.21	7.62	5.13	5.79	6.74	7.15	7.30
16	---	4.90	7.25	6.81	10.75	6.76	7.38	5.17	6.22	6.77	6.50	6.88
17	---	5.02	7.77	5.48	9.72	6.75	7.22	5.22	6.01	7.00	---	6.48
18	---	5.76	7.69	4.81	12.63	7.95	7.02	5.40	6.47	4.97	---	6.88
19	---	5.37	7.81	5.08	10.51	8.20	6.95	5.44	6.52	5.57	---	6.40
20	---	6.34	7.43	7.36	11.02	7.25	7.36	5.97	5.55	7.10	---	5.57
21	---	8.11	5.74	8.06	10.13	5.98	8.04	6.12	5.64	6.91	---	6.22
22	---	10.80	5.68	6.63	8.46	5.75	8.12	5.85	6.15	7.80	6.18	6.45
23	---	6.62	6.47	7.98	7.43	6.91	7.73	5.45	6.02	7.37	7.65	6.26
24	6.94	6.58	6.56	9.87	9.62	7.82	8.08	5.39	6.27	7.60	8.99	6.71
25	7.26	7.37	7.19	10.04	10.36	7.98	6.73	5.59	6.35	5.49	7.99	5.92
26	4.83	8.92	6.68	7.50	12.00	8.46	6.39	6.02	6.83	5.39	8.14	4.09
27	3.95	7.88	6.51	9.01	14.33	8.31	6.94	6.27	5.12	7.12	8.98	4.76
28	5.04	8.98	5.33	9.57	14.72	6.27	7.43	6.40	5.05	6.49	9.04	6.32
29	5.63	8.80	4.48	9.08	13.88	6.12	8.50	6.01	6.28	6.69	6.74	6.24
30	6.09	6.21	5.66	9.43	---	8.19	8.57	5.55	6.91	6.91	6.74	6.62
31	6.08	---	5.21	8.10	---	9.01	---	4.53	---	6.97	7.90	---
MEAN	---	6.36	---	7.26	9.17	8.18	7.84	6.27	5.69	6.48	---	6.75
MAX	---	10.80	---	12.94	14.72	13.52	10.20	9.07	6.91	7.80	---	9.28
MIN	---	4.79	---	3.84	6.13	5.75	6.22	4.53	4.27	4.65	---	4.09

APALACHICOLA RIVER BASIN

02341800 UPATOI CREEK NEAR COLUMBUS, GA.

LOCATION.--Lat 32°24'48", long 84°49'12", Muscogee-Chattahoochee County line, Hydrologic Unit 03130003, at downstream side of pier near left end of bridge on Red Arrow Road at Fort Benning, 2 mi downstream from Randall Creek, 2 mi upstream from Ochiltee Creek, 8 mi southeast of Columbus, and 12 mi upstream from mouth.

DRAINAGE AREA.--342 mi².

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

GAGE.--Water-stage recorder. Elevation of gage is 230 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

REMARKS.--Records good.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharge 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)
Jan. 13	1745	3,960	10.55	Feb. 17	2100	*4,050	*10.66

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	159	157	187	240	437	527	493	206	135	149	118	276
2	157	178	190	253	391	482	403	199	128	188	112	236
3	158	206	284	405	376	461	357	190	129	170	105	210
4	157	220	468	425	350	449	341	182	173	144	96	222
5	157	204	355	337	345	445	327	172	168	121	90	421
6	160	188	272	295	430	1300	311	168	146	116	89	827
7	158	175	233	263	421	1260	544	176	132	111	111	622
8	152	170	217	245	370	840	763	180	185	106	122	453
9	148	169	216	266	329	641	576	178	364	96	198	336
10	149	188	280	277	302	819	464	171	385	89	131	287
11	149	195	275	252	293	1110	402	164	270	87	109	255
12	147	183	237	238	284	778	405	159	269	101	108	219
13	143	165	227	1940	284	629	401	166	292	96	304	197
14	141	137	230	2850	284	539	359	166	358	91	1140	201
15	157	147	246	1420	1070	503	329	161	318	95	426	182
16	179	148	234	767	1670	462	307	155	241	163	257	165
17	169	176	212	558	1960	431	285	153	187	248	277	158
18	158	178	203	484	2370	427	273	144	163	174	193	154
19	153	125	198	827	1350	626	262	136	149	146	267	177
20	150	117	193	807	918	597	261	133	139	141	977	243
21	152	128	194	603	714	482	438	128	127	153	479	196
22	152	304	195	494	614	424	490	128	117	252	394	169
23	152	336	203	918	1090	454	362	125	110	172	810	175
24	154	256	232	943	1180	439	287	121	105	235	730	291
25	156	209	225	633	914	409	254	119	100	244	459	302
26	154	190	207	511	987	510	234	117	96	182	331	225
27	154	183	205	450	800	472	219	120	94	155	286	394
28	154	181	280	513	660	393	216	123	94	151	1910	903
29	152	179	375	567	583	357	214	157	90	161	892	915
30	151	182	318	539	---	409	210	171	115	151	540	480
31	151	---	268	511	---	607	---	152	---	128	356	---
TOTAL	4783	5574	7659	19831	21776	18282	10787	4820	5379	4616	12417	9891
MEAN	154	186	247	640	751	590	360	155	179	149	401	330
MAX	179	336	468	2850	2370	1300	763	206	385	252	1910	915
MIN	141	117	187	238	284	357	210	117	90	87	89	154
CFSM	.45	.54	.72	1.87	2.20	1.72	1.05	.45	.52	.44	1.17	.96
IN.	.52	.61	.83	2.16	2.37	1.99	1.17	.52	.59	.50	1.35	1.08

APALACHICOLA RIVER BASIN

02341800 UPATOI CREEK NEAR COLUMBUS, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1968 - 1992, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	182	246	428	665	768	1004	733	377	259	259	263	197
MAX	337	538	809	1170	1496	3678	1513	858	524	696	624	409
(WY)	1977	1977	1977	1975	1975	1990	1973	1978	1975	1989	1971	1971
MIN	103	144	164	189	261	336	239	151	98.9	92.9	107	113
(WY)	1988	1970	1989	1981	1989	1985	1985	1986	1988	1986	1988	1987

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1968 - 1992	
ANNUAL TOTAL	144004		125815			
ANNUAL MEAN	395		344		449	
HIGHEST ANNUAL MEAN					750	
LOWEST ANNUAL MEAN					243	
HIGHEST DAILY MEAN	6280	Mar 30	2850	Jan 14	31600	Mar 17 1990
LOWEST DAILY MEAN	117	Nov 20	87	Jul 11	74	Jul 15 1986
ANNUAL SEVEN-DAY MINIMUM	146	Nov 15	94	Jul 9	75	Aug 2 1986
INSTANTANEOUS PEAK FLOW			4050	Feb 17	a46300	Mar 17 1990
INSTANTANEOUS PEAK STAGE			10.66	Feb 17	b32.12	Mar 17 1990
INSTANTANEOUS LOW FLOW			83	Jul 11	72	Jul 16, Aug 7 1986
ANNUAL RUNOFF (CFSM)	1.15		1.01		1.31	
ANNUAL RUNOFF (INCHES)	15.66		13.69		17.85	
10 PERCENT EXCEEDS	667		676		850	
50 PERCENT EXCEEDS	267		226		270	
90 PERCENT EXCEEDS	157		124		136	

a From rating curve extended above 36,000 ft³/s and flow-over-road measurement of peak flow.

b From floodmarks.

APALACHICOLA RIVER BASIN

0234296910 CHATTAHOOCHEE RIVER AT COAST GUARD DOCK AT EUFAULA, ALA.

LOCATION.--Lat 31°54'29", long 85°08'42", in SE 1/4 sec. 29, T. 11 W., R. 29 E., Barbour County, Hydrologic Unit 03130003, at Coast Guard Dock near mouth of Chewalla Creek, 1 mi north of Eufaula, and at mile 97.8.

DRAINAGE AREA.--6,730 mi².

PERIOD OF RECORD.--October 1989 to current year (elevation only). Elevation records from April 1967 to September 1989, in files of U.S. Army Corps of Engineers.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929.

REMARKS.--Gage is in pool of Walter F. George Lake formed by dam at mile 75.0.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation at 0700, 195.60 ft, Mar. 18, 1990; minimum elevation at 0700, 185.10 ft, Nov. 17, 1990.

EXTREMES FOR CURRENT YEAR.--Maximum elevation at 0700, 190.28 ft, Feb. 18; minimum elevation at 0700, 185.73 ft.

ELEVATION, (FEET NGVD), WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY OBSERVATIONS AT 0700

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	188.14	187.46	188.43	186.40	188.87	189.48	188.49	189.26	187.20	187.73	188.06	189.70
2	188.10	187.48	188.26	186.07	188.89	189.64	188.62	189.25	186.97	187.81	188.10	189.50
3	188.18	187.60	188.11	185.74	188.73	189.53	188.70	189.19	186.86	187.77	188.13	189.30
4	188.28	187.66	188.31	185.73	188.49	189.23	188.88	188.92	186.91	187.67	188.06	189.10
5	188.36	187.72	188.44	186.00	188.40	188.98	188.73	188.69	186.96	187.72	187.97	188.90
6	188.27	187.74	188.54	186.05	188.54	189.11	188.65	188.52	187.02	187.70	187.91	189.00
7	188.14	187.82	188.68	185.94	188.81	189.87	188.62	188.42	187.08	187.59	187.96	189.50
8	188.17	187.85	188.56	185.79	188.69	189.76	188.81	188.29	187.20	187.59	187.76	189.20
9	188.52	187.76	188.47	185.73	188.52	189.08	189.10	188.22	187.39	187.60	187.83	188.90
10	188.60	187.86	188.44	185.80	188.34	189.04	189.30	188.17	187.51	187.60	187.79	189.40
11	188.65	187.94	188.49	186.02	188.14	189.38	189.41	188.28	187.54	187.60	187.78	189.10
12	188.68	187.87	188.58	186.34	188.02	189.09	189.48	188.22	187.57	187.55	187.90	188.90
13	188.50	187.84	188.59	186.66	187.93	188.84	189.52	188.25	187.52	187.51	188.10	188.90
14	188.28	187.84	188.61	188.45	187.81	188.50	189.56	188.19	187.69	187.43	188.36	188.90
15	188.35	187.82	188.77	188.84	187.77	188.29	189.60	188.14	187.81	187.37	188.71	188.70
16	188.20	187.86	188.87	188.52	188.84	188.19	189.59	188.05	187.91	187.39	188.74	188.60
17	188.11	187.95	188.81	187.75	189.60	188.06	189.59	188.17	188.05	187.48	188.61	188.40
18	188.03	187.96	188.76	187.20	190.28	188.11	189.60	188.23	188.10	187.55	188.42	188.10
19	187.95	187.79	188.72	187.34	190.05	188.40	189.45	188.24	188.30	187.61	188.29	188.10
20	187.84	187.60	188.75	187.53	189.65	188.35	189.52	188.21	188.36	187.71	188.26	188.10
21	187.62	187.46	188.30	187.63	189.30	188.11	189.59	188.29	188.46	187.73	188.20	188.00
22	187.50	188.12	188.47	187.64	188.80	188.07	189.65	188.32	188.52	187.79	188.40	187.90
23	187.40	188.61	188.52	187.99	188.99	188.02	189.68	188.33	188.49	187.81	188.80	187.70
24	187.35	188.65	188.24	188.37	189.17	187.93	189.62	188.21	188.37	187.82	189.40	187.50
25	187.37	188.61	187.99	188.55	189.32	187.86	189.55	188.06	188.31	187.88	189.40	187.30
26	187.35	188.55	187.70	188.78	189.12	187.91	189.46	187.77	188.22	187.93	189.30	187.00
27	187.20	188.56	187.31	188.91	189.05	187.95	189.37	187.63	188.08	187.95	189.30	187.00
28	187.10	188.49	186.90	188.85	189.08	187.90	189.16	187.51	188.03	187.99	189.50	187.20
29	187.00	188.53	187.19	188.95	189.09	188.16	189.18	187.40	187.10	187.96	189.60	187.11
30	186.85	188.62	187.21	188.96	---	188.04	189.20	187.22	187.86	188.06	189.80	187.06
31	187.25	---	186.82	188.99	---	188.25	---	187.24	---	188.07	189.70	---
MEAN	187.91	187.99	188.25	187.34	188.84	188.62	189.26	188.22	187.71	187.71	188.52	188.40
MAX	188.68	188.65	188.87	188.99	190.28	189.87	189.68	189.26	188.52	188.07	189.80	189.70
MIN	186.85	187.46	186.82	185.73	187.77	187.86	188.49	187.22	186.86	187.37	187.76	187.00
CAL YR 1991	MEAN 188.81		MAX 190.70		MIN 186.50							
WTR YR 1992	MEAN 188.23		MAX 190.28		MIN 185.73							

APALACHICOLA RIVER BASIN

02343801 CHATTAHOOCHEE RIVER NEAR COLUMBIA, ALA.
(National Stream-Quality Accounting Network station)

LOCATION.--Lat 31°15'33", long 85°06'37", Early County, Ga.-Houston County, Ala., Hydrologic Unit 03130004, at left end of George W. Andrews Lock and Dam, 1.3 mi downstream from Omusee Creek, 2.3 mi south of Columbia, Ala., and at mile 46.5.
DRAINAGE AREA.--8,210 mi², approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1975 to current year.

GAGE.--Gate-opening and water-stage recorders. Datum of headwater gage and tailwater gages is National Geodetic Vertical Datum of 1929.

REMARKS.--Records good to fair. Flow regulated by Lake Sidney Lanier, West Point Lake, Lake Harding, Walter F. George Lake, and George W. Andrews Reservoir. (See "Lakes and Reservoir in Apalachicola River Basin," stations 02334400, 02339400, 02341000, and 02343240. No adjustments made for George W. Andrews Reservoir's annual change in contents, which is insignificant).

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Mar. 1929, thought to be the highest since 1827, based on station on Chattahoochee River at Columbia, Ala., 2.4 mi upstream.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12100	4830	6700	14200	9860	11000	11700	9600	10900	10700	3010	9340
2	14300	1640	10100	12800	10000	16400	11200	5310	8730	10900	2750	10300
3	14100	847	10000	10300	14600	17200	11400	8210	9630	10700	6650	9960
4	14300	2910	9400	1280	15600	21700	7830	12500	8140	3730	6730	9690
5	6730	4430	9590	1010	12200	20500	8910	14000	5340	3240	6540	2980
6	8340	3680	10100	10000	18300	23400	11500	14200	1260	8460	6830	2960
7	10300	3500	6150	11200	17300	29400	11900	14200	1240	7550	9630	15000
8	14300	5240	5630	11300	13400	27600	11300	14800	4860	6650	3410	15400
9	15100	1890	10800	11300	11400	22900	10900	6070	4720	7320	5450	6330
10	13200	873	11800	11200	12100	15400	11600	1590	5510	6960	7960	13700
11	13600	3450	11200	1720	12400	18300	4580	3890	5270	3590	5000	10500
12	2020	4040	11800	1320	12000	22100	4200	4410	5490	3030	4800	2810
13	888	4140	11900	14800	12400	20300	7240	4660	1540	6710	3270	2690
14	9170	4280	1580	23500	12400	12900	6330	4820	1250	7280	4330	8130
15	11500	4440	2190	26900	4280	11800	6540	4780	3770	7320	3950	8480
16	11600	1070	9180	26500	10700	11400	6740	1670	4210	7570	7810	8530
17	10900	879	9070	25900	15900	11900	6910	1070	4160	7130	9490	12000
18	8510	6930	9290	10500	29300	11600	7280	2970	4100	3760	9270	10000
19	1700	7900	8830	9460	34700	20400	4370	3470	3910	3310	9820	4960
20	929	8080	13700	13800	27800	20400	9840	3780	1250	8240	11900	5620
21	7570	8320	1850	14100	26700	12100	9660	3960	1270	8760	4510	8780
22	8530	9100	2460	7140	22600	9850	10000	3830	4060	8090	1120	8450
23	8800	7050	10500	14800	15100	14800	9560	5930	6460	8590	1260	10400
24	8370	3660	12700	17900	18400	13500	9630	5830	6300	8340	10400	11200
25	8570	9650	12500	10600	18100	14300	6080	9800	7000	3670	8650	11000
26	1600	10700	15600	9030	27400	13600	5540	9910	9860	3400	8600	3260
27	852	10300	16000	14800	27600	13800	9340	10200	3570	6720	8990	2710
28	1490	10400	1990	16600	26400	2140	9280	9800	3260	7280	10600	9740
29	2790	10400	1110	16700	23200	9720	9580	10200	9930	7320	1270	8510
30	4740	6930	12400	15400	---	12000	9680	4560	11000	7360	5750	7430
31	3510	---	13700	16300	---	12800	---	4170	---	7110	7200	---
TOTAL	250409	161559	279820	402360	512140	495210	260620	214190	157990	210790	196950	250860
MEAN	8078	5385	9026	12980	17660	15970	8687	6909	5266	6800	6353	8362
MAX	15100	10700	16000	26900	34700	29400	11900	14800	11000	10900	11900	15400
MIN	852	847	1110	1010	4280	2140	4200	1070	1240	3030	1120	2690

APALACHICOLA RIVER BASIN

02343801 CHATTAHOOCHEE RIVER NEAR COLUMBIA, ALA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1976 - 1992, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	6572	7396	10770	13860	16100	19130	14870	10360	7837	7128	7327	6488
MAX	16730	16210	24250	31670	29710	45900	33400	19950	13590	15310	14550	10330
(WY)	1976	1978	1984	1978	1990	1990	1979	1980	1976	1989	1984	1991
MIN	2385	2998	4032	4726	4856	7227	5384	4544	3953	2425	2045	2265
(WY)	1987	1982	1982	1981	1989	1981	1986	1985	1986	1988	1988	1986

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1976 - 1992	
ANNUAL TOTAL	3908530		3392898			
ANNUAL MEAN	10710		†10940		10630	
HIGHEST ANNUAL MEAN			9270		15800	
LOWEST ANNUAL MEAN			†9382		5717	
HIGHEST DAILY MEAN	62400		Mar 3		191000	
LOWEST DAILY MEAN	847		Nov 3		a.00	
ANNUAL SEVEN-DAY MINIMUM	2730		Jan 1		1640	
INSTANTANEOUS PEAK FLOW			2830		Oct 26	
INSTANTANEOUS PEAK HEADWATER STAGE			39800		Feb 19	
INSTANTANEOUS PEAK TAILWATER STAGE			103.63		Mar 21	
ANNUAL RUNOFF (CFSM)	1.30		†1.33		94.60	
ANNUAL RUNOFF (INCHES)	17.71		†18.09		1.13	
10 PERCENT EXCEEDS	18300		15700		†1.14	
50 PERCENT EXCEEDS	9930		8870		17.59	
90 PERCENT EXCEEDS	2500		2620		21500	
					8470	
					1400	

† Adjusted for change in contents in Lake Sidney Lanier, West Point Lake, Lake Harding, and Walter F. George Lake.

a Except for an undetermined amount of leakage and due to non-typical operation pattern.

APALACHICOLA RIVER BASIN

02343801 CHATTAHOOCHEE RIVER NEAR COLUMBIA, ALA.--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 1982 to current year.

REMARKS.--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 ($\mu\text{g/L}$). 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 1994.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	TIME	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)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3
NOV 07...	1530	846	88	89	7.7	7.7	16.0	9.8	100	26	22
FEB 06...	1600	23000	64	68	7.2	7.4	10.5	10.6	97	16	13
MAR 26...	1600	21300	63	65	7.2	7.5	14.5	9.5	94	17	14
MAY 21...	1630	8920	76	78	7.3	7.4	23.0	8.5	99	25	21
JUL 30...	1530	12400	85	88	7.0	7.1	28.0	5.7	73	26	21
SEP 03...	1630	18600	87	90	7.1	7.3	28.0	6.7	85	31	25

DATE	ALKA-LINITY WAT.DIS FET LAB CACO3 (MG/L)	TUR-BID-ITY (NTU)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP-TOCOCCEI FECAL, KF AGAR (COLS. PER 100 ML)	HARD-NESS TOTAL (MG/L AS CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM AD-SORP-TION RATIO	POTAS-SIUM, DIS-SOLVED (MG/L AS K)
NOV 07...	24	3.4	K12	K18	22	6.6	1.4	7.0	38	0.6	2.3
FEB 06...	16	27	-	K1100	18	5.5	1.0	4.7	34	0.5	1.9
MAR 26...	15	8.4	77	210	18	5.3	1.2	4.6	33	0.5	1.4
MAY 21...	21	2.6	23	K760	22	6.6	1.4	5.5	33	0.5	1.6
JUL 30...	24	4.0	30	740	22	6.3	1.4	7.8	42	0.7	1.8
SEP 03...	25	2.0	K9	21	10	1.6	1.5	16	73	2	2.2

DATE	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SIO2)	RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	SOLIDS, DIS-SOLVED (TONS PER DAY)	SOLIDS, DIS-SOLVED (TONS PER AC-FT)
NOV 07...	10	5.5	<0.10	5.7	55	54	126	0.08
FEB 06...	7.4	4.0	0.20	7.0	50	42	3110	0.07
MAR 26...	6.9	3.9	0.20	6.5	42	40	2420	0.06
MAY 21...	8.0	4.5	<0.10	5.8	64	47	1540	0.09
JUL 30...	9.2	5.2	<0.10	5.7	45	51	1510	0.06
SEP 03...	9.6	5.2	0.10	6.0	48	58	2410	0.06

APALACHICOLA RIVER BASIN

02343801 CHATTAHOOCHEE RIVER NEAR COLUMBIA, ALA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	PHOS- PHORUS DIS- SOLVED (MG/L AS P)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P)
NOV 07...	<0.010	0.620	0.600	0.030	0.010	<0.010	—	<0.20	0.070	0.070	0.070
FEB 06...	<0.010	0.400	0.410	0.060	0.020	0.050	0.44	0.50	0.070	<0.010	<0.010
MAR 26...	<0.010	0.420	0.440	0.020	0.010	0.020	—	<0.20	0.020	0.020	<0.010
MAY 21...	0.020	0.310	0.290	0.030	0.010	0.030	0.27	0.30	0.040	<0.010	<0.010
JUL 30...	<0.010	0.085	0.088	0.060	<0.010	0.060	0.24	0.30	0.020	<0.010	<0.010
SEP 03...	<0.010	0.054	0.082	0.060	<0.010	0.070	0.24	0.30	<0.010	0.020	<0.010

DATE	ALUM- INUM, DIS- SOLVED (UG/L AS AL)	BARIUM, DIS- SOLVED (UG/L AS BA)	COBALT, DIS- SOLVED (UG/L AS CO)	IRON, DIS- SOLVED (UG/L AS FE)	LITHIUM DIS- SOLVED (UG/L AS LI)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)
NOV 07...	<10	16	<3	64	<4	2
FEB 06...	190	15	<3	190	<4	11
MAY 21...	<10	18	<3	40	<4	3
SEP 03...	<10	15	<3	11	<4	2

DATE	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO)	NICKEL, DIS- SOLVED (UG/L AS NI)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	SILVER, DIS- SOLVED (UG/L AS AG)	STRON- TIUM, DIS- SOLVED (UG/L AS SR)	VANA- DIUM, DIS- SOLVED (UG/L AS V)
NOV 07...	<10	<1	<1	<1.0	32	<6
FEB 06...	<10	<1	<1	<1.0	25	<6
MAY 21...	<10	<1	<1	<1.0	32	<6
SEP 03...	<10	<1	<1	<1.0	33	<6

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND	TEMPER- ATURE WATER (DEG C)	SEDI- MENT, SUS- PENDE (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
NOV 07...	1535	846	16.0	14	32	82
FEB 06...	1605	23000	10.5	29	1800	87
MAR 26...	1605	21300	14.5	15	863	86
MAY 21...	1635	8920	23.0	10	241	77
JUL 30...	1535	12400	28.0	10	335	92
SEP 03...	1635	18600	28.0	6	301	93

APALACHICOLA RIVER BASIN

02344040 CHATTAHOOCHEE RIVER NEAR STEAM MILL, GA.

LOCATION.--Lat 30°58'39", long 85°00'19", Seminole County, Ga.-Jackson County, Fla., Hydrologic Unit 03130004, at Herman E. Talmadge Bridge on State Highway 91, 2 mi northwest of Steam Mill, and at mile 23.7.

PERIOD OF RECORD.--August 1974 to current year.

REMARKS.--Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determinations of Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen are by the U.S. Geological Survey. Flow is regulated by Lake Sidney Lanier, West Point Lake, Lake Harding, Walter F. George Reservoir (see "Lakes and Reservoirs in Apalachicola River Basin", stations 02334400, 02339400, 02341000, 02343240), and by George W. Andrews Reservoir.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	TIME	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)
OCT									
24...	1335	107	104	7.4	7.3	22.0	28.5	11.2	129
NOV									
21...	1325	160	160	7.5	7.8	24.0	24.0	11.0	132
DEC									
19...	1330	95	94	7.3	7.4	13.0	10.0	10.6	100
JAN									
30...	1330	85	85	7.2	7.1	11.0	11.0	11.8	108
FEB									
20...	1305	70	69	7.1	6.9	12.5	17.0	10.3	97
MAR									
19...	1345	107	94	7.3	7.3	16.0	29.0	10.8	112
APR									
22...	1310	132	126	7.4	7.6	22.0	27.0	8.4	97
MAY									
21...	1105	118	110	7.2	7.3	25.0	26.0	7.7	94
JUN									
18...	1130	120	113	7.4	7.5	28.0	29.0	6.0	77
JUL									
23...	1145	116	110	7.4	7.4	29.0	31.0	7.7	101
AUG									
20...	1205	102	97	7.2	7.2	28.0	29.0	7.6	98
SEP									
24...	1210	143	136	7.4	7.6	26.5	19.0	7.8	98

DATE	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LINITY WAT WH TOT 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)
OCT										
24...	30	13	2.4	70	22	—	0.330	<0.030	0.080	3.6
NOV										
21...	30	5.0	0.5	—	56	3	0.870	0.110	0.050	2.9
DEC										
19...	15	5.0	—	<20	24	8	0.370	<0.030	0.110	4.1
JAN										
30...	25	11	1.1	130	18	12	0.550	<0.030	0.060	3.0
FEB										
20...	40	16	1.0	220	14	16	0.470	0.040	0.060	4.8
MAR										
19...	55	19	2.0	2300	39	7	0.640	0.130	0.080	—
APR										
22...	30	8.0	0.8	3000	43	4	1.21	0.170	0.120	3.1
MAY										
21...	20	9.0	2.0	490	33	10	0.440	<0.030	0.100	3.0
JUN										
18...	30	10	2.7	1300	30	7	0.380	0.080	0.070	4.0
JUL										
23...	30	22	3.0	50	28	28	0.190	0.050	0.020	4.0
AUG										
20...	30	5.0	1.5	20	29	4	0.200	<0.030	0.040	4.0
SEP										
24...	30	5.0	1.0	2800	48	4	0.630	0.050	0.090	3.6

APALACHICOLA RIVER BASIN

02344180 FLINT RIVER NEAR JONESBORO, GA.

LOCATION.--Lat 33°32'14", long 84°22'35", Clayton County, Hydrologic Unit 03130005, at bridge on State Highway 138, 0.8 mi west of U.S. Highway 41, 1.5 mi northwest of Jonesboro, and at mile 338.1.

DRAINAGE AREA.--39.1 mi².

PERIOD OF RECORD.--July 1975 to current year.

REMARKS.--Laboratory chemical analyses 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 1991 TO SEPTEMBER 1992

DATE	TIME	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)
OCT										
02...	0930	19	111	108	7.1	7.0	19.0	24.0	8.2	91
NOV										
05...	1230	25	110	104	7.1	6.9	8.0	15.5	8.1	70
DEC										
04...	1050	72	67	67	6.8	6.5	10.0	7.5	8.0	72
JAN										
08...	1050	25	93	96	7.3	7.0	7.0	12.5	10.4	88
FEB										
05...	1050	28	110	113	7.2	6.9	9.0	12.0	8.9	80
MAR										
04...	1045	45	105	108	6.9	6.9	15.0	22.0	7.8	79
APR										
08...	1045	45	90	88	7.1	6.8	13.0	15.0	10.0	97
MAY										
06...	1000	13	—	106	7.2	7.1	16.0	15.5	8.2	—
JUN										
03...	1030	18	100	92	7.1	6.9	20.0	22.0	6.0	68
JUL										
08...	1030	17	112	94	7.1	6.9	25.0	31.5	4.9	61
AUG										
05...	1030	9.4	115	108	7.1	7.1	24.0	26.0	5.3	64
SEP										
02...	1020	17	112	103	6.8	6.9	23.0	26.0	6.4	76

DATE	TUR-BID- ID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LITY WAT WH TOT 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)
OCT									
02...	8.0	0.7	230	34	4	0.280	0.030	0.090	3.7
NOV									
05...	8.0	—	490	33	3	0.130	0.090	0.090	3.2
DEC									
04...	40	2.0	11000	18	5	0.210	<0.030	<0.020	6.5
JAN									
08...	11	0.7	170	31	4	0.380	0.090	0.090	3.8
FEB									
05...	11	1.3	330	32	5	0.630	0.230	0.050	2.7
MAR									
04...	11	0.8	490	32	5	0.480	0.080	<0.020	3.2
APR									
08...	20	2.4	330	22	10	0.540	0.120	0.110	5.3
MAY									
06...	17	1.6	490	36	—	0.390	0.280	0.090	4.4
JUN									
03...	19	0.9	220	31	14	0.340	0.070	0.060	3.7
JUL									
08...	17	0.8	330	27	7	0.390	0.110	0.050	4.0
AUG									
05...	11	1.1	—	34	7	0.160	0.040	0.110	4.0
SEP									
02...	10	0.2	700	37	5	0.270	0.050	0.070	4.0

APALACHICOLA RIVER BASIN

02344190 FLINT RIVER NEAR FAYETTEVILLE, GA.

LOCATION.--Lat 33°29'13", long 84°23'44", Fayette-Clayton County line, Hydrologic Unit 03130005, at bridge on State Highway 54, 200 ft east of Thomas Road, 0.2 mi upstream from Camp Creek, 4.4 mi northeast of Fayetteville, and at mile 333.7.

DRAINAGE AREA.--49 mi².

PERIOD OF RECORD.--July 1975 to current year.

REMARKS.--Laboratory chemical analyses 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 1991 TO SEPTEMBER 1992

DATE	TIME	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)
OCT 02...	0905	21	102	99	7.1	6.9	18.0	23.5	7.5	82
NOV 05...	1400	25	105	103	6.8	7.0	7.5	14.5	7.6	65
DEC 04...	1105	250	60	58	6.7	6.3	10.0	7.5	7.8	71
JAN 08...	1105	17	84	87	7.3	7.1	7.0	7.0	10.6	89
FEB 05...	1105	17	100	104	7.2	7.1	9.0	13.0	10.0	90
MAR 04...	1100	22	96	98	7.0	7.0	15.0	25.0	8.2	83
APR 08...	1100	90	90	90	7.1	6.9	13.0	16.0	9.5	92
MAY 06...	1030	17	—	106	7.5	7.2	16.0	15.5	6.1	—
JUN 03...	1100	13	95	86	7.2	7.0	20.0	22.0	5.7	65
JUL 08...	1045	15	103	82	7.3	6.8	24.0	31.5	5.0	61
AUG 05...	1045	E9.0	107	103	7.4	7.2	26.0	26.0	5.7	72
SEP 02...	1040	22	109	96	7.0	7.0	22.0	26.0	6.1	71

DATE	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LINITY WAT WH TOT 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)
OCT 02...	19	0.5	230	31	12	0.210	<0.030	0.150	3.8
NOV 05...	10	—	170	30	2	0.060	0.070	0.110	2.7
DEC 04...	50	2.4	7900	13	4	0.200	<0.030	<0.020	7.5
JAN 08...	14	0.6	70	28	5	0.310	0.030	0.100	4.3
FEB 05...	12	1.6	50	30	5	0.610	0.100	0.050	3.4
MAR 04...	18	0.7	170	28	10	0.390	0.050	<0.020	3.0
APR 08...	21	1.5	330	24	15	0.570	0.080	0.100	4.8
MAY 06...	42	0.9	230	36	—	0.520	0.090	0.140	4.1
JUN 03...	52	0.8	460	28	34	0.340	0.060	0.090	4.0
JUL 08...	33	0.9	170	23	12	0.330	0.050	0.150	4.0
AUG 05...	19	0.7	4600	32	11	0.180	0.030	0.130	4.0
SEP 02...	19	0.2	220	34	11	0.260	0.050	0.100	4.0

APALACHICOLA RIVER BASIN

02344350 FLINT RIVER NEAR LOVEJOY, GA.

LOCATION.--Lat 33°24'56", long 84°23'05", Clayton County, Hydrologic Unit 03130005, at the downstream side of bridge on Hampton Road, 0.7 mi upstream from Shoal Creek, 4.4 mi southwest of Lovejoy, 4.7 mi southeast of Fayetteville, and at mile 325.7.

DRAINAGE AREA.--130 mi².

PERIOD OF RECORD.--May 1985 to current year.

GAGE.--Water-stage recorder. Datum of gage is 758.75 ft above National Geodetic Vertical Datum of 1929 (levels by Clayton County Water Authority).

REMARKS.--Records good to fair, except those for the period of estimated daily discharges, which are fair. Discharge affected by diversion by the Clayton County Water Authority.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,300 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Nov. 23	0200	1,430	9.88	Aug. 17	2200	1,420	9.87
Jan. 24	1000	1,780	10.64	Sept. 6	1800	*2,440	*11.82

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	53	33	67	104	112	159	173	65	54	41	57	92
2	52	84	68	119	102	134	119	57	37	117	75	79
3	50	119	106	388	98	123	105	53	35	628	46	73
4	48	56	463	614	95	117	98	51	100	598	32	102
5	46	42	400	242	97	113	94	48	514	207	e26	150
6	46	46	135	138	124	205	90	45	274	77	e20	2050
7	51	47	98	111	135	501	120	59	76	81	e17	1340
8	39	48	85	100	101	251	232	62	55	51	e16	375
9	38	48	80	102	90	148	184	59	78	38	e17	217
10	39	48	86	125	85	161	123	55	142	36	e18	134
11	38	48	106	103	82	382	110	47	77	38	e22	183
12	37	47	82	88	82	246	116	43	130	36	37	142
13	35	47	72	101	81	141	145	63	217	e26	205	79
14	34	46	82	139	85	121	137	189	117	e21	913	65
15	35	45	166	122	145	111	99	146	212	56	659	55
16	53	45	142	90	500	104	89	64	356	129	178	49
17	55	44	84	79	451	98	83	52	144	162	761	47
18	37	45	75	78	759	98	80	46	77	65	951	45
19	35	46	69	103	601	137	76	41	63	78	390	45
20	34	48	63	161	232	249	75	38	54	149	196	51
21	30	68	62	166	162	134	108	36	46	51	133	80
22	28	501	63	146	135	107	203	35	38	39	734	48
23	25	1160	64	377	170	298	137	32	34	62	941	48
24	27	377	84	1490	333	596	97	35	33	336	397	80
25	28	138	101	617	256	233	89	27	31	890	197	145
26	30	97	74	237	695	289	80	26	30	233	121	115
27	32	82	67	169	959	265	74	25	59	82	119	72
28	33	76	127	152	348	157	72	25	57	85	317	230
29	31	71	463	161	199	127	71	28	37	113	584	566
30	28	69	362	145	---	127	70	51	29	60	239	387
31	27	---	142	123	---	187	---	102	---	47	115	---
TOTAL	1174	3671	4138	6890	7314	6119	3349	1705	3206	4632	8533	7144
MEAN	37.9	122	133	222	252	197	112	55.0	107	149	275	238
MAX	55	1160	463	1490	959	596	232	189	514	890	951	2050
MIN	25	33	62	78	81	98	70	25	29	21	16	45
CFSM	.29	.94	1.03	1.71	1.94	1.52	.86	.42	.82	1.15	2.12	1.83
IN.	.34	1.05	1.18	1.97	2.09	1.75	.96	.49	.92	1.33	2.44	2.04

e Estimated

APALACHICOLA RIVER BASIN

02344350 FLINT RIVER NEAR LOVEJOY, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1985 - 1992, BY WATER YEAR (WY)

MEAN	172	111	152	251	261	268	171	128	120	157	101	105
MAX	410	153	222	580	614	537	320	340	304	357	275	238
(WY)	1990	1987	1990	1990	1990	1990	1989	1991	1989	1989	1992	1992
MIN	21.6	54.0	53.2	98.7	121	112	76.8	55.0	21.0	30.3	44.8	30.7
(WY)	1988	1988	1989	1986	1989	1988	1986	1992	1988	1986,88	1988	1987

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1985 - 1992	
ANNUAL TOTAL	73387		57875			
ANNUAL MEAN	201		158		167	
HIGHEST ANNUAL MEAN					255	
LOWEST ANNUAL MEAN					102	
HIGHEST DAILY MEAN	2320		2050		5480	
LOWEST DAILY MEAN	25		16		12	
ANNUAL SEVEN-DAY MINIMUM	29		19		15	
INSTANTANEOUS PEAK FLOW			2440		8690	
INSTANTANEOUS PEAK STAGE			11.82		a17.76	
ANNUAL RUNOFF (CFSM)	1.55		1.22		1.28	
ANNUAL RUNOFF (INCHES)	21.00		16.56		17.42	
10 PERCENT EXCEEDS	463		377		346	
50 PERCENT EXCEEDS	115		85		83	
90 PERCENT EXCEEDS	45		35		29	

a From floodmark.

APALACHICOLA RIVER BASIN

02344380 FLINT RIVER NEAR INMAN, GA.

LOCATION.--Lat 33°23'08", long 84°23'24", Fayette-Clayton County line, Hydrologic Unit 03130005, at bridge on Hill Bridge Road, 0.6 mi downstream from Gay Creek, and 1.4 mi east of State Highway 92 at Inman, and at mile 322.3.

DRAINAGE AREA.--158 mi².

PERIOD OF RECORD.--July 1975 to current year.

REMARKS.--Laboratory chemical analyses 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 1991 TO SEPTEMBER 1992

DATE	TIME	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)
OCT										
02...	0845	52	84	79	7.2	7.0	18.0	21.5	8.6	93
NOV										
05...	1505	52	95	93	7.0	6.9	9.5	24.5	8.6	77
DEC										
04...	1130	350	76	74	6.7	6.6	11.0	9.0	8.4	78
JAN										
08...	1135	115	67	67	7.3	7.0	8.0	13.5	12.2	105
FEB										
05...	1145	100	77	80	7.3	7.0	9.0	14.0	10.2	92
MAR										
04...	1130	125	73	72	7.1	7.0	15.0	26.0	9.0	91
APR										
08...	1140	240	70	69	7.3	7.0	13.0	20.0	10.6	103
MAY										
06...	1045	41	--	78	7.4	7.1	17.0	14.0	7.4	--
JUN										
03...	1130	44	86	78	7.3	7.1	20.0	22.0	6.9	78
JUL										
08...	1115	48	100	80	7.3	6.9	25.0	30.0	5.8	72
AUG										
05...	1130	24	99	94	7.0	7.1	24.0	26.5	6.6	80
SEP										
02...	1115	75	90	75	7.2	6.9	22.0	27.0	6.6	77

DATE	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LITY WAT WH TOT 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)
OCT									
02...	14	0.7	200	26	7	0.220	<0.030	0.130	3.9
NOV									
05...	11	--	170	25	2	0.110	0.050	0.130	4.3
DEC									
04...	35	1.8	1700	23	7	0.170	<0.030	0.100	8.0
JAN									
08...	13	0.9	130	25	4	0.260	<0.030	0.110	3.1
FEB									
05...	12	1.1	80	24	7	0.400	0.060	0.140	3.3
MAR									
04...	16	0.7	50	23	5	0.280	0.040	0.060	3.1
APR									
08...	22	0.8	70	22	17	0.240	0.040	0.080	3.7
MAY									
06...	20	0.7	50	28	--	0.350	0.060	0.100	5.1
JUN									
03...	21	0.9	110	25	9	0.390	0.080	0.100	3.7
JUL									
08...	20	0.6	130	24	4	0.430	0.050	0.090	4.0
AUG									
05...	13	0.5	90	29	3	0.240	0.040	0.130	4.0
SEP									
02...	15	0.2	130	27	6	0.210	0.070	0.120	4.0

APALACHICOLA RIVER BASIN

02344400 FLINT RIVER ABOVE GRIFFIN, GA.

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

DRAINAGE AREA.--194 mi².

PERIOD OF RECORD.--July 1975 to current year.

REMARKS.--Laboratory chemical analyses 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 1991 TO SEPTEMBER 1992

DATE	TIME	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)
OCT 02...	0815	E60	84	77	7.2	6.9	19.0	21.5	7.9	88
NOV 05...	1545	E75	100	98	7.3	7.0	10.0	24.5	7.9	71
DEC 04...	1200	E460	81	78	7.0	6.7	12.0	9.0	8.6	82
JAN 08...	1200	205	67	68	7.1	7.1	8.0	13.5	10.7	92
FEB 05...	1205	170	75	77	7.3	7.1	9.0	13.0	9.9	89
MAR 04...	1215	205	65	69	7.2	7.0	15.0	26.0	8.6	87
APR 08...	1200	580	64	53	7.6	6.8	13.0	22.0	10.5	102
MAY 06...	1105	E62	--	76	7.6	7.2	17.0	16.0	7.1	--
JUN 03...	1200	E55	90	80	7.3	7.1	20.0	22.0	6.2	70
JUL 08...	1135	E110	95	75	7.3	6.9	25.0	32.0	5.3	65
AUG 05...	1200	18	98	90	7.2	7.2	25.0	27.0	5.9	73
SEP 02...	1130	E140	86	72	7.0	6.9	22.6	28.0	6.3	73

DATE	TUR- BID- ITY (NTU)	OXYGEN DEMAND, CHEM- ICAL (LOW LEVEL) (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LITY WAT WH TOT FET LAB MG/L AS CaCO3	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDE (MG/L)
OCT 02...	17	6	0.7	130	24	11
NOV 05...	12	28	--	330	23	3
DEC 04...	21	19	1.2	3300	24	12
JAN 08...	13	<5	0.9	65	23	5
FEB 05...	10	6	1.1	130	23	4
MAR 04...	15	10	0.7	150	21	9
APR 08...	27	21	0.9	230	14	26
MAY 06...	24	7	0.6	460	29	--
JUN 03...	24	11	1.0	50	27	17
JUL 08...	21	6	0.5	330	23	6
AUG 05...	15	<5	0.6	270	28	7
SEP 02...	16	15	0.2	490	26	9

APALACHICOLA RIVER BASIN

02344400 FLINT RIVER ABOVE GRIFFIN, GA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	NITRO- GEN, NO ₂ +NO ₃ TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 02...	0.220	<0.030	—	0.20	0.42	0.140	4.7
NOV 05...	0.120	0.070	0.43	0.50	0.62	0.160	5.9
DEC 04...	0.120	<0.030	—	0.20	0.32	0.060	6.4
JAN 08...	0.200	<0.030	—	<0.10	—	0.120	5.1
FEB 05...	0.360	0.060	0.14	0.20	0.56	0.090	3.5
MAR 04...	0.240	0.040	—	—	—	0.060	3.7
APR 08...	0.160	0.030	0.17	0.20	0.36	0.110	4.8
MAY 06...	0.300	0.050	0.35	0.40	0.70	0.090	4.4
JUN 03...	0.350	0.050	0.15	0.20	0.55	0.130	3.6
JUL 08...	0.330	0.060	0.14	0.20	0.53	0.110	4.0
AUG 05...	0.220	0.070	0.13	0.20	0.42	<0.140	4.0
SEP 02...	0.160	0.040	0.26	0.30	0.46	0.080	5.0

APALACHICOLA RIVER BASIN

02344500 FLINT RIVER NEAR GRIFFIN, GA.

LOCATION.--Lat 33°14'39", long 84°25'45", Spalding County, Hydrologic Unit 03130005, at downstream side of bridge pier on State Highway 16, 1.5 mi downstream from Shoal Creek, 5.5 mi upstream from Line Creek, 10 mi west of Griffin, and at mile 304.4.

DRAINAGE AREA.--272 mi².

PERIOD OF RECORD.--March 1937 to current year.

GAGE.--Water-stage recorder. Datum of gage is 711.44 ft above National Geodetic Vertical Datum of 1929 (levels by U.S. Army Corps of Engineers). Prior to Aug. 25, 1938, nonrecording gage at present site at datum 3.00 ft higher. Aug. 25, 1938, to May 5, 1941, nonrecording gage, May 6, 1941, to Aug. 20, 1959, water-stage recorder, and Aug. 21, 1959 to Sept. 13, 1960, nonrecording gage, all at present site and datum.

REMARKS.--Records good. Some diurnal fluctuation at low flow. City of Griffin diverts approximately 8 ft³/s for municipal supply at pumping plant 6 mi upstream from gage. Approximately 1 ft³/s of the diversion discharged as sewage effluent into tributaries of Towaliga River, and approximately 3 ft³/s returned as sewage effluent to Flint River approximately 49 mi downstream. Records of chemical analyses for the water years 1968-69, 1971-72, are published in reports of the U.S. Geological Survey.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Mar. 14 or 15, 1929, reached a stage of 17.9 ft, present datum, from floodmarks located by local resident, discharge, 15,300 ft³/s.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 2,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Sept. 8	0200	*2,170	*10.91	No other peak greater than base discharge.			

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	80	43	125	240	232	384	351	97	110	50	82	166
2	76	61	122	221	208	307	302	95	72	86	68	128
3	73	100	158	414	192	260	232	87	57	164	72	106
4	68	140	269	561	181	238	207	81	91	402	46	98
5	68	83	404	740	185	231	192	79	128	584	33	141
6	67	63	543	480	251	537	181	76	311	292	26	306
7	63	58	240	251	255	754	265	79	309	98	22	1210
8	63	61	170	206	235	731	429	91	110	85	21	1860
9	57	66	150	199	192	515	403	98	79	54	24	980
10	51	69	147	204	173	409	319	93	91	41	25	339
11	50	68	147	210	163	611	238	83	134	42	29	193
12	49	66	158	184	158	607	225	64	137	38	45	212
13	49	66	138	253	156	480	231	67	284	37	204	180
14	46	61	136	398	156	302	235	100	330	33	801	119
15	48	64	153	341	297	258	225	181	312	34	927	100
16	58	69	214	255	640	235	181	149	349	54	978	88
17	60	69	198	197	793	215	163	87	377	127	347	81
18	71	69	142	178	1370	207	152	71	201	148	512	78
19	55	64	126	214	1170	239	142	57	123	86	1030	78
20	46	67	116	264	1090	270	139	52	99	77	606	78
21	46	74	114	302	538	331	161	50	84	120	347	81
22	45	221	111	319	334	245	198	46	70	59	1330	104
23	44	392	115	718	337	272	242	44	51	56	1550	82
24	40	833	122	1120	401	443	185	51	43	66	1300	81
25	41	894	134	1410	486	683	139	51	43	217	785	122
26	43	269	151	1290	770	566	127	43	44	567	291	171
27	43	167	125	540	936	478	113	37	39	473	192	189
28	45	141	168	347	1240	413	103	30	72	169	473	247
29	44	134	278	312	801	288	101	33	78	122	588	325
30	44	128	445	293	---	262	100	43	52	114	645	483
31	43	---	493	265	---	346	---	70	---	76	369	---
TOTAL	1676	4660	6112	12926	13940	12117	6281	2285	4280	4571	13768	8426
MEAN	54.1	155	197	417	481	391	209	73.7	143	147	444	281
MAX	80	894	543	1410	1370	754	429	181	377	584	1550	1860
MIN	40	43	111	178	156	207	100	30	39	33	21	78
CFSM	.20	.57	.72	1.53	1.77	1.44	.77	.27	.52	.54	1.63	1.03
IN.	.23	.64	.84	1.77	1.91	1.66	.86	.31	.59	.63	1.88	1.15

APALACHICOLA RIVER BASIN

02344500 FLINT RIVER NEAR GRIFFIN, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1937 - 1992, BY WATER YEAR (WY)

MEAN	150	225	360	515	605	697	546	310	234	224	169	118
MAX	706	1641	1009	1390	1879	1685	1466	795	928	830	548	323
(WY)	1990	1949	1984	1946	1961	1971	1964	1978	1963	1948	1967	1956
MIN	6.01	45.6	93.2	107	163	174	105	73.7	11.9	12.4	39.0	11.2
(WY)	1955	1942	1961	1956	1941	1988	1986	1992	1988	1988	1986	1954

SUMMARY STATISTICS

FOR 1991 CALENDAR YEAR

FOR 1992 WATER YEAR

WATER YEARS 1937 - 1992

ANNUAL TOTAL	117596		91042			
ANNUAL MEAN	322		249			344
HIGHEST ANNUAL MEAN			573	1975		
LOWEST ANNUAL MEAN			145	1986		
HIGHEST DAILY MEAN	2320	Mar 31	1860	Sep 8	12000	Mar 22 1942
LOWEST DAILY MEAN	40	Oct 24	21	Aug 8	.79	Jul 2,3 1988
ANNUAL SEVEN-DAY MINIMUM	43	Oct 23	26	Aug 5	1.8	Jun 27 1988
INSTANTANEOUS PEAK FLOW			2170	Sep 8	13200	Nov 27 1948
INSTANTANEOUS PEAK STAGE			10.91	Sep 8	18.00	Nov 27 1948
ANNUAL RUNOFF (CFSM)	1.18		.91		1.27	
ANNUAL RUNOFF (INCHES)	16.08		12.45		17.21	
10 PERCENT EXCEEDS	795		572		717	
50 PERCENT EXCEEDS	206		151		188	
90 PERCENT EXCEEDS	60		46		60	

APALACHICOLA RIVER BASIN

02344700 LINE CREEK NEAR SENOIA, GA.

LOCATION.--Lat 33°19'10", long 84°31'25", Coweta-Fayette County line, Hydrologic Unit 03130005, on downstream side of bridge on State Highway 85, 2.2 mi northeast of Senoia, 4.1 mi upstream from Whitewater Creek, and 11.2 mi upstream from mouth.

DRAINAGE AREA.--101 mi², approximately.

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

REVISED RECORDS.--WDR GA-87-1: 1986 (m).

GAGE.--Water-stage recorder. Datum of gage is 729.47 ft above National Geodetic Vertical Datum of 1929 (leveling by global positioning system equipment).

REMARKS.--Records good. Low flow affected by withdrawals and return flow by several municipalities and by regulation of water level of Lake Peachtree.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Jan. 24	1300	1,170	8.84	Aug. 22	2400	*1,710	*9.82
Aug. 14	0300	1,430	9.36				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	20	62	50	81	103	181	218	46	36	30	19	87
2	19	169	51	87	91	150	148	37	27	33	29	73
3	18	110	87	159	86	131	119	33	25	31	25	65
4	16	57	206	222	83	118	102	36	59	57	18	63
5	19	49	161	161	85	112	92	35	148	53	13	120
6	23	48	90	116	127	249	86	33	88	39	11	351
7	21	48	73	96	119	366	146	39	56	35	9.3	258
8	19	47	65	86	99	245	274	43	45	29	8.8	137
9	20	47	61	91	85	169	202	44	60	22	11	95
10	20	42	68	94	77	181	143	42	81	17	7.8	80
11	21	31	67	83	75	244	114	37	70	13	33	79
12	20	28	59	74	72	188	201	29	90	11	20	69
13	19	27	55	109	70	141	252	27	85	8.6	553	59
14	18	26	62	141	72	118	156	38	82	6.0	1230	52
15	21	26	77	102	139	105	114	38	92	9.4	611	46
16	26	26	67	82	284	97	100	29	77	24	253	40
17	29	26	57	73	309	90	90	25	58	25	422	37
18	25	27	51	70	555	88	82	21	49	18	533	36
19	23	28	48	93	538	111	76	18	45	65	260	33
20	22	29	46	114	286	139	75	17	39	84	132	39
21	22	68	45	109	187	111	109	20	32	47	113	35
22	22	403	46	113	148	94	125	19	27	34	711	33
23	23	487	48	337	178	189	94	15	24	31	1110	29
24	24	276	50	1020	209	304	78	13	22	33	406	30
25	26	104	66	631	218	209	69	11	19	60	171	30
26	28	75	58	298	444	204	62	9.9	17	50	111	26
27	28	62	52	194	660	175	57	10	23	49	153	35
28	28	55	107	169	427	135	56	14	63	62	385	215
29	27	51	162	159	243	111	54	17	39	35	412	406
30	27	49	134	136	---	115	52	25	30	29	195	319
31	26	---	95	117	---	226	---	39	---	24	111	---
TOTAL	700	2583	2364	5417	6069	5096	3546	859.9	1608	1064.0	8076.9	2977
MEAN	22.6	86.1	76.3	175	209	164	118	27.7	53.6	34.3	261	99.2
MAX	29	487	206	1020	660	366	274	46	148	84	1230	406
MIN	16	26	45	70	70	88	52	9.9	17	6.0	7.8	26
CFSM	.22	.85	.76	1.73	2.07	1.63	1.17	.27	.53	.34	2.58	.98
IN.	.26	.95	.87	2.00	2.24	1.88	1.31	.32	.59	.39	2.97	1.10

APALACHICOLA RIVER BASIN

02344700 LINE CREEK NEAR SENOIA, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1964 - 1992, BY WATER YEAR (WY)

MEAN	61.7	89.0	141	211	245	260	189	119	74.7	64.0	64.0	37.6
MAX	306	404	425	460	541	597	509	281	192	245	261	99.8
(WY)	1990	1978	1984	1990	1990	1971	1979	1978	1989	1989	1992	1979
MIN	4.12	13.8	45.7	36.0	83.4	71.8	43.7	21.8	4.63	3.15	3.93	5.32
(WY)	1979	1982	1989	1981	1989	1988	1986	1988	1988	1988	1986	1986

SUMMARY STATISTICS

FOR 1991 CALENDAR YEAR

FOR 1992 WATER YEAR

WATER YEARS 1964 - 1992

ANNUAL TOTAL	46364		40360.8			
ANNUAL MEAN	127		110		129	
HIGHEST ANNUAL MEAN					203	1990
LOWEST ANNUAL MEAN					55.5	1986
HIGHEST DAILY MEAN	1290	Mar 30	1230	Aug 14	5490	Nov 5 1977
LOWEST DAILY MEAN	12	Sep 15	6.0	Jul 14	1.0	Oct 7 1986
ANNUAL SEVEN-DAY MINIMUM	13	Sep 13	11	Aug 4	1.3	Oct 1 1986
INSTANTANEOUS PEAK FLOW			1710	Aug 22	9580	Nov 5 1977
INSTANTANEOUS PEAK STAGE			9.82	Aug 22	14.88	Nov 5 1977
ANNUAL RUNOFF (CFSM)	1.26		1.09		1.28	
ANNUAL RUNOFF (INCHES)	17.08		14.87		17.37	
10 PERCENT EXCEEDS	292		246		264	
50 PERCENT EXCEEDS	80		64		69	
90 PERCENT EXCEEDS	23		20		16	

APALACHICOLA RIVER BASIN

02344752 LINE CREEK AT DIGBEY, GA.

LOCATION.--Lat 33°15'23", long 84°29'50", Coweta-Fayette County line, Hydrologic Unit 03130005, at State Highway 16, 2.2 miles downstream from Whitewater Creek, 1.6 miles upstream from Dead Oak Creek, at Digbey.

DRAINAGE AREA.--216 mi².

PERIOD OF RECORD.--August 1991 to current year.

REMARKS.--Laboratory analyses 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 1991 TO SEPTEMBER 1992

DATE	TIME	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)
OCT 02...	0745	200	94	88	6.9	7.0	18.0	19.0	8.8	96
DEC 04...	1230	--	78	77	7.1	6.8	12.0	9.5	9.2	87
FEB 05...	1240	225	60	64	7.1	6.9	9.0	13.0	9.9	89
APR 08...	1230	--	55	64	7.3	7.0	14.0	21.0	10.2	101
JUN 03...	1220	48	87	78	7.4	7.2	20.0	23.0	7.0	79
AUG 05...	1230	31	105	96	7.3	7.2	24.0	29.0	7.0	85

DATE	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LITY WAT WH TOT FET LAB MG/L AS CACO3	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)
OCT 02...	13	0.8	130	24	0.560	<0.030	0.170	4.2
DEC 04...	29	1.3	1100	18	0.190	<0.030	0.070	3.9
FEB 05...	12	1.3	80	17	0.320	0.050	0.130	5.1
APR 08...	18	1.0	220	21	0.200	0.030	0.110	5.1
JUN 03...	17	1.1	70	24	0.360	0.100	0.110	3.1
AUG 05...	8.0	0.7	200	27	0.200	0.040	0.130	4.0

APALACHICOLA RIVER BASIN

02346180 FLINT RIVER NEAR THOMASTON, GA.

LOCATION.--Lat 32°50'20", long 84°25'27", Upson-Talbot County line, Hydrologic Unit 03130005, at downstream end of left bank pier of bridge on State Highway 36, 2.5 mi upstream from Lazar Creek, and 7.8 mi southwest of Thomaston.

DRAINAGE AREA.--1,220 mi², approximately.

PERIOD OF RECORD.--May 1966 to September 1992 (discontinued).

GAGE.--Water-stage recorder. Datum of gage is 490.00 ft above National Geodetic Vertical Datum of 1929 (levels by U.S. Army Corps of Engineers).

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

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Nov. 28, 1948 reached a stage of 19.3 ft, from floodmarks.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 7,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Feb. 18	0100	*6,660	*11.16

REVISIONS.--The maximum discharge and stage for water year 1971 has been revised to 38,100 ft³/s, March 3, 1971, gage height, 19.0 ft. They supercede figures published in the report for 1971.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	388	342	591	1320	1450	2690	2200	e750	546	424	448	967
2	353	370	592	1020	1300	1950	2070	e720	528	409	391	652
3	343	466	811	1300	1190	1710	1710	e690	509	444	339	560
4	332	532	1350	1780	1130	1580	1480	e660	585	510	320	557
5	326	506	1520	1930	1130	1520	1360	e640	644	808	293	704
6	325	446	1500	1840	1500	3000	1270	e610	811	1040	259	1110
7	315	412	1320	1390	1610	4470	1760	e600	925	719	242	2060
8	308	403	908	1060	1470	3780	3250	e610	804	468	242	2810
9	302	404	782	1010	1270	2930	3130	e640	604	395	238	2920
10	305	409	780	1050	1120	2450	2510	e670	606	344	215	1920
11	304	409	778	1020	1030	2810	1960	e650	645	321	337	991
12	301	401	755	958	994	2760	1710	e620	754	275	326	734
13	299	393	731	1880	981	2390	1730	e590	1430	263	415	683
14	296	388	746	3170	988	1960	1880	e560	1830	247	2630	614
15	303	387	828	2720	1980	1680	1660	e570	1600	227	3810	527
16	315	384	854	1910	3720	1530	1440	e590	1320	263	3640	471
17	334	393	852	1470	4540	1430	1290	e610	1120	412	2270	442
18	336	396	779	1250	6540	1390	1190	e620	986	543	1460	422
19	342	400	667	1410	5930	1540	1120	e550	737	545	2030	414
20	332	400	619	1600	4660	1640	1080	e500	594	450	2110	410
21	319	420	597	1640	3480	1590	1270	e460	525	527	1310	425
22	312	1430	592	1650	2290	1520	1440	406	464	525	1850	410
23	315	2260	593	2970	2210	1510	1470	388	422	515	3140	424
24	314	2250	625	4590	2360	1740	1310	365	380	571	3770	415
25	315	2280	638	4710	2370	2130	1110	352	348	546	3400	390
26	318	1690	644	4700	3290	2520	957	337	322	581	1840	426
27	324	909	673	3670	4290	2260	e940	334	392	919	1040	850
28	329	704	848	2240	4120	1960	e850	348	395	845	1310	1030
29	328	623	1330	1910	3880	1700	e800	387	402	645	1920	1280
30	325	597	1520	1750	---	1530	e770	444	453	554	1890	1480
31	328	---	1520	1610	---	1950	---	514	---	506	1560	---
TOTAL	9986	21404	27343	62528	72823	65620	46717	16785	21681	15841	45045	27098
MEAN	322	713	882	2017	2511	2117	1557	541	723	511	1453	903
MAX	388	2280	1520	4710	6540	4470	3250	750	1830	1040	3810	2920
MIN	296	342	591	958	981	1390	770	334	322	227	215	390
CFSM	.26	.58	.72	1.65	2.06	1.74	1.28	.44	.59	.42	1.19	.74
IN.	.30	.65	.83	1.91	2.22	2.00	1.42	.51	.66	.48	1.37	.83

e Estimated

APALACHICOLA RIVER BASIN

02346180 FLINT RIVER NEAR THOMASTON, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1966 - 1992, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	637	953	1718	2404	2699	3096	2386	1457	989	848	804	537
MAX	2196	2688	4314	4461	5361	8277	5716	3079	2250	2676	2263	1334
(WY)	1990	1978	1973	1978	1975	1971	1975	1978	1975	1989	1967	1967
MIN	156	274	630	588	965	965	716	419	158	111	123	193
(WY)	1988	1982	1988	1981	1989	1988	1986	1986	1988	1988	1986	1987

SUMMARY STATISTICS

FOR 1991 CALENDAR YEAR

FOR 1992 WATER YEAR

WATER YEARS 1966 - 1992

ANNUAL TOTAL	516249		432871									
ANNUAL MEAN	1414		1183								1540	
HIGHEST ANNUAL MEAN											2643	1975
LOWEST ANNUAL MEAN											751	1986
HIGHEST DAILY MEAN	8550	May 11	6540	Feb 18							37800	Mar 3 1971
LOWEST DAILY MEAN	272	Sep 18	215	Aug 10							55	Jul 22 1986
ANNUAL SEVEN-DAY MINIMUM	294	Sep 13	258	Aug 4							72	Jul 17 1986
INSTANTANEOUS PEAK FLOW			6660	Feb 18							a38100	Mar 3 1971
INSTANTANEOUS PEAK STAGE			11.16	Feb 18							ab19.00	Mar 3 1971
ANNUAL RUNOFF (CFSM)	1.16		.97								1.26	
ANNUAL RUNOFF (INCHES)	15.74		13.20								17.15	
10 PERCENT EXCEEDS	2880		2470								3160	
50 PERCENT EXCEEDS	1030		779								970	
90 PERCENT EXCEEDS	333		328								299	

a Revised.

b From floodmarks.

APALACHICOLA RIVER BASIN

02347500 FLINT RIVER NEAR CULLODEN, GA.

LOCATION.--Lat 32°43'17", long 84°13'57", Taylor-Upson County line, Hydrologic Unit 03130005, on left bank underneath bridge on U.S. Highway 19, 4 mi upstream from Auchumpkee Creek, 5 mi downstream from Swift Creek, 13 mi southwest of Culloden, and at mile 238.4.

DRAINAGE AREA.--1,850 mi², approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--July 1911 to May 1923, July 1928 to December 1931, March 1937 to current year.

REVISED RECORDS.--WSP 697: 1911-23. WSP 1002: 1943. WSP 1504: 1913, 1916-17, 1918(M), 1919-22, 1923(M), drainage area.

GAGE.--Water-stage recorder. Datum of gage is 334.54 ft above National Geodetic Vertical Datum of 1929. July 1, 1911 to Oct. 11, 1918, nonrecording gage and Oct. 12, 1918 to May 31, 1923, water-stage recorder, at site 2.5 mi downstream at different datum. July 21, 1928 to Dec. 31, 1931, and Mar. 18, 1937 to May 3, 1939, nonrecording gage at present site and datum.

REMARKS.--Records good. Records of chemical analyses for the water years 1968-79 are published in reports of the U.S. Geological Survey.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known since at least 1912, that of Mar. 15, 1929.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 11,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Feb. 18	0200	*12,700	*14.42	No other peak greater than base discharge.			

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JANFEB	MAR	APR	MAY	JUN	JUL	AUG	SEP		
1		583	444	750	1510	1920	3820	2680	996	721	580	661	1410
2		521	490	743	1250	1710	2740	2600	965	690	689	586	973
3		493	524	831	1480	1560	2370	2220	921	675	608	507	785
4		477	637	1600	2030	1460	2170	1890	874	750	625	450	768
5		466	647	1720	2150	1430	2030	1720	836	817	780	427	933
6		456	604	1640	2060	1910	3680	1610	814	856	1110	384	1380
7		444	554	1510	1720	2200	6490	1890	810	945	1060	355	2340
8		429	534	1170	1300	1990	5320	4080	852	986	702	349	2870
9		426	533	967	1170	1710	4090	4130	909	923	560	347	3220
10		419	540	928	1190	1500	3420	3310	903	832	494	334	2490
11		417	550	932	1190	1390	3900	2660	856	870	451	315	1390
12		412	556	904	1120	1310	3780	2570	806	935	410	527	956
13		403	544	876	2820	1270	3270	2250	778	1360	367	468	836
14		394	533	867	6760	1250	2770	2290	789	2190	351	2790	786
15		403	525	939	4490	3240	2340	2140	803	2140	329	4160	694
16		442	522	977	2930	8210	2110	1850	828	1650	378	4250	617
17		443	521	964	2110	7480	1950	1640	848	1390	595	3060	570
18		453	530	943	1720	11700	1850	1510	756	1190	600	1950	544
19		447	537	849	1910	9050	2010	1430	684	990	789	2140	524
20		450	545	789	2300	6650	2230	1350	638	795	678	2710	516
21		436	548	755	2250	5010	2090	1530	610	694	607	2120	513
22		425	924	743	2140	3550	1980	1850	589	619	705	1860	524
23		422	2240	742	3270	3340	1920	1810	567	561	806	3650	514
24		429	2290	756	6040	3890	2040	1620	535	522	993	4030	565
25		429	2340	786	5730	3540	2370	1410	506	480	927	4110	590
26		432	1980	784	5430	3980	2990	1230	486	451	774	2700	586
27		435	1230	793	4680	5270	2970	1130	478	425	927	1530	1310
28		439	902	901	3160	5090	2540	1080	492	590	1140	1950	3340
29		442	808	1390	2600	4790	2230	1050	567	531	901	2320	2880
30		438	769	1650	2370	---	1990	1020	679	563	857	2240	2170
31		432	---	1620	2150	---	2270	---	714	---	722	1940	---
TOTAL	13737	24901	31819	83030	107400	87730	59550	22889	27141	21515	55220	37594	
MEAN	443	830	1026	2678	3703	2830	1985	738	905	694	1781	1253	
MAX	583	2340	1720	6760	11700	6490	4130	996	2190	1140	4250	3340	
MIN	394	444	742	1120	1250	1850	1020	478	425	329	315	513	
CFSM	.24	.45	.55	1.45	2.00	1.53	1.07	.40	.49	.38	.96	.68	
IN.	.28	.50	.64	1.67	2.16	1.76	1.20	.46	.55	.43	1.11	.76	

APALACHICOLA RIVER BASIN
02347500 FLINT RIVER NEAR CULLODEN, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1911 - 1992, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	937	1289	2431	3243	4082	5251	3621	2086	1444	1624	1223	862
MAX	4691	7856	8151	7256	10960	22290	11240	6350	4773	11590	4371	2908
(WY)	1930	1949	1920	1946	1961	1929	1964	1920	1922	1916	1928	1953
MIN	108	247	668	715	1049	1303	1045	524	246	165	174	170
(WY)	1955	1932	1961	1956	1938	1918	1986	1914	1988	1986	1986	1954

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1911 - 1992	
ANNUAL TOTAL	729829		572526			
ANNUAL MEAN	2000		2325			
HIGHEST ANNUAL MEAN					4500	1920
LOWEST ANNUAL MEAN					1043	1941
HIGHEST DAILY MEAN	13200	Jan 31	11700	Feb 18	78900	Mar 16 1929
LOWEST DAILY MEAN	394	Oct 14	315	Aug 11	87	Jul 22 1986
ANNUAL SEVEN-DAY MINIMUM	411	Oct 9	359	Aug 5	98	Jul 18 1986
INSTANTANEOUS PEAK FLOW			12700	Feb 18	92000	Mar 15 1929
INSTANTANEOUS PEAK STAGE			14.42	Feb 18	a38.40	Mar 15 1929
INSTANTANEOUS LOW FLOW			b306	Aug 11	c81	Aug 7 1986
ANNUAL RUNOFF (CFSM)	1.08		.85		1.26	
ANNUAL RUNOFF (INCHES)	14.68		11.51		17.08	
10 PERCENT EXCEEDS	4190		3320		4820	
50 PERCENT EXCEEDS	1420		944		1340	
90 PERCENT EXCEEDS	473		446		450	

a From graph based on gage readings.

b Gage height, 1.54 ft.

c Gage height, 0.83 ft.

APALACHICOLA RIVER BASIN

02347500 FLINT RIVER NEAR CULLODEN, GA.--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--March 1968 to June 1979, July 1990 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: October 1961 to September 1962.

WATER TEMPERATURE: June 1960 to September 1964.

REMARKS.--Laboratory analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen by the U.S. Geological Survey.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily, 138 microsiemens Aug. 14, 1962; minimum daily, 25 microsiemens Feb. 22, 1962.

WATER TEMPERATURE: Maximum, 34°C May 18, 19, 23, 1962; minimum, 0.0°C Jan. 10, 1962.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	TIME	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)
NOV 19...	0840	536	84	84	7.2	7.5	14.0	14.5	9.0	88
JAN 28...	0915	3230	49	48	7.1	7.0	8.5	8.0	11.7	101
MAR 17...	0900	1960	55	61	7.4	7.4	11.0	9.0	10.2	94
MAY 19...	0730	693	77	73	7.3	7.7	22.0	18.5	7.2	84
JUL 21...	0720	578	70	69	7.2	7.3	26.5	25.0	6.5	82
SEP 22...	0735	531	85	82	7.0	7.2	25.0	20.0	6.7	83

DATE	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LITY WAT WH TOT FET LAB MG/L AS CACO3	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)
NOV 19...	—	6.0	0.4	20	28	<0.020	<0.030	0.050	3.0
JAN 28...	—	41	2.5	80	11	0.330	0.070	0.060	4.2
MAR 17...	30	11	0.6	<20	20	0.170	<0.030	0.080	2.5
MAY 19...	35	8.0	0.7	140	26	0.320	<0.030	0.100	2.0
JUL 21...	—	10	1.3	80	23	0.210	<0.030	0.020	3.0
SEP 22...	—	7.0	1.1	130	30	0.110	0.040	0.030	3.4

APALACHICOLA RIVER BASIN

02349500 FLINT RIVER AT MONTEZUMA, GA.

LOCATION.--Lat 32°17'53", long 84°02'38", Macon County, Hydrologic Unit 03130006, near left bank on downstream end of pier of bridge on State Highway 49, 1,000 ft upstream from Central of Georgia Railway bridge, 1,400 ft upstream from Seaboard Coast Line Railroad (formerly Atlanta, Birmingham and Coast) bridge, just upstream from Buck Creek, 1 mi west of Montezuma and at mile 180.6.

DRAINAGE AREA.--2,900 mi², approximately; includes that of Buck Creek.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1904 to December 1912 (published as "near Montezuma"), July 1930 to current year. Monthly discharge only for January to December 1910, published in WSP 1304. Gage-height records collected at same site since 1904 are contained in reports of National Weather Service.

REVISED RECORDS.--WSP 822: Drainage area. WSP 852: 1936(M). WSP 1504: 1905-9, 1911-12, drainage area (at site used prior 1912). WDR GA-82-1: 1981(P).

GAGE.--Water-stage recorder. Datum of gage is 255.83 ft above National Geodetic Vertical Datum of 1929. January 1905 to December 1909, and January 1911 to December 1912, nonrecording gage at site 1.5 mi upstream at same datum. July 1, 1930 to June 30, 1933, and Oct. 1, 1934 to Dec. 12, 1941, nonrecording gage, and Dec. 13, 1941 to Oct. 25, 1955, water-station recorder at site 500 ft downstream at same datum.

REMARKS.--Records good. Records include flow of Buck Creek. Prior to Dec. 31, 1963, when operation was discontinued, moderate diurnal fluctuation at low flow caused by powerplant above station. Periods of monthly discharge only are not included in statistics computations.

FLOODS OUTSIDE PERIOD OF RECORD.--Flood on Mar. 2, 1897, reached a stage of 26.0 ft at former site, from National Weather Service, discharge, 97,000 ft³/s, from rating curve extended above 10,000 ft³/s on basis of peak flows passing upstream and downstream stations. Flood on Mar. 17, 1929, reached a stage of 27.4 ft, at present site, from National Weather Service discharge, 92,300 ft³/s, from rating curve extended above 65,000 ft³/s.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 13,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Feb. 21	2400	*12,600	*13.34

**DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES**

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1460	1020	1540	2360	3520	6370	3280	1720	1300	1120	1410	2610
2	1310	1020	1510	2330	3180	5850	3530	1680	1280	1200	1370	2210
3	1210	1050	1550	2420	2890	4620	3470	1640	1260	1280	1320	1790
4	1170	1090	1830	2580	2670	3740	3200	1590	1320	1280	1200	1550
5	1150	1140	2270	2890	2540	3390	2850	1530	1360	1200	1110	1720
6	1130	1200	2580	2970	2640	3550	2640	1470	1380	1260	1040	2330
7	1110	1220	2450	2840	3060	4410	2590	1470	1370	1470	1010	3150
8	1080	1210	2280	2600	3360	6040	3020	1530	1410	1600	995	3830
9	1050	1190	2070	2250	3160	6920	4370	1520	1770	1400	977	3870
10	1030	1180	1880	2060	2830	6950	5090	1520	2330	1180	954	3890
11	1020	1180	1790	2000	2560	5980	4690	1520	2090	1080	935	3480
12	1010	1180	1740	1970	2400	5420	3890	1470	2440	1030	909	2550
13	1000	1180	1700	1970	2290	5340	3580	1420	2090	1020	933	1910
14	989	1190	1650	4450	2240	4830	3320	1390	2080	978	1100	1650
15	995	1210	1640	6850	2290	4170	3150	1380	2790	938	1880	1570
16	994	1180	1650	7810	3160	3610	3020	1380	2900	1040	3530	1450
17	1010	1170	1690	7390	5860	3260	2750	1380	2470	1090	4110	1330
18	1040	1160	1660	4770	7800	3040	2510	1390	2130	1150	3770	1250
19	1040	1160	1630	3560	8850	3320	2340	1350	1890	1430	2780	1190
20	1030	1170	1560	3620	10100	3580	2240	1260	1720	1470	2520	1140
21	1020	1180	1490	3870	12100	3630	2510	1210	1530	1420	2980	1110
22	1020	1220	1450	3700	12200	3400	2910	1170	1390	1270	2940	1090
23	1010	1300	1440	3540	10600	3130	2960	1140	1290	1270	2550	1080
24	1010	2090	1450	4050	7670	3000	2790	1100	1200	1480	3610	1210
25	1010	2600	1460	5540	6420	3030	2510	1080	1140	1820	4330	1300
26	1010	2680	1470	6370	6180	3350	2250	1040	1090	1760	4630	1320
27	1010	2600	1480	6600	5840	3820	2050	1020	1060	1590	4010	1410
28	1020	2180	1590	6500	6090	3990	1910	1100	1090	1500	2740	1800
29	1020	1790	1870	5690	6420	3610	1820	1210	1090	1650	2770	3350
30	1020	1620	2140	4410	---	3330	1760	1240	1120	1600	3030	3770
31	1020	---	2390	3890	---	3270	---	1280	---	1500	2930	---
TOTAL	32998	42360	54900	124150	150920	131950	89000	42200	49380	41076	70373	61910
MEAN	1064	1412	1771	4005	5204	4256	2967	1361	1646	1325	2270	2064
MAX	1460	2680	2580	7810	12200	6950	5090	1720	2900	1820	4630	3890
MIN	989	1020	1440	1970	2240	3000	1760	1020	1060	938	909	1080
CFSM	.37	.49	.61	1.38	1.79	1.47	1.02	.47	.57	.46	.78	.71
IN.	.42	.54	.70	1.59	1.94	1.69	1.14	.54	.63	.53	.90	.79

APALACHICOLA RIVER BASIN
02349500 FLINT RIVER AT MONTEZUMA, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1905 - 1992, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	1663	2000	3519	4896	5889	6732	5696	3350	2414	2397	2120	1570
MAX	6339	6354	11490	12350	11380	14980	15030	9758	6122	6320	4854	4105
(WY)	1965	1949	1949	1936	1974	1971	1936	1953	1959	1940	1936	1953
MIN	639	837	1306	1443	1962	1953	1736	1106	729	579	623	702
(WY)	1955	1932	1934	1956	1989	1911	1986	1986	1988	1986	1988	1954

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1905 - 1992	
ANNUAL TOTAL	1153698		891217			
ANNUAL MEAN	3161		2435		3534	
HIGHEST ANNUAL MEAN					5593	
LOWEST ANNUAL MEAN					1752	
HIGHEST DAILY MEAN	17700		Mar 6		66000	
LOWEST DAILY MEAN	989		Oct 14		448	
ANNUAL SEVEN-DAY MINIMUM	1000		Oct 11		477	
INSTANTANEOUS PEAK FLOW			12600		Feb 21	
INSTANTANEOUS PEAK STAGE			13.34		Feb 21	
INSTANTANEOUS LOW FLOW			893		Aug 13	
ANNUAL RUNOFF (CFSM)	1.09		.84		1.22	
ANNUAL RUNOFF (INCHES)	14.80		11.43		16.56	
10 PERCENT EXCEEDS	5910		4420		7030	
50 PERCENT EXCEEDS	2380		1730		2350	
90 PERCENT EXCEEDS	1080		1040		1070	

a Gage height, 25.2 ft.

APALACHICOLA RIVER BASIN

02349500 FLINT RIVER AT MONTEZUMA, GA.--Continued

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.17	1.23	2.32	3.77	5.48	8.78	5.15	2.66	1.85	1.45	2.06	4.16
2	1.85	1.23	2.26	3.71	5.01	8.26	5.48	2.60	1.80	1.62	1.99	3.52
3	1.66	1.28	2.35	3.86	4.58	6.86	5.41	2.52	1.77	1.81	1.88	2.79
4	1.56	1.38	2.86	4.12	4.26	5.77	5.03	2.42	1.88	1.81	1.63	2.35
5	1.51	1.48	3.62	4.58	4.06	5.30	4.53	2.31	1.96	1.62	1.42	2.66
6	1.47	1.63	4.12	4.70	4.21	5.51	4.21	2.19	2.01	1.76	1.27	3.70
7	1.43	1.67	3.91	4.51	4.83	6.61	4.13	2.18	1.98	2.19	1.20	4.96
8	1.36	1.64	3.64	4.15	5.26	8.44	4.77	2.30	2.07	2.44	1.16	5.89
9	1.30	1.60	3.29	3.59	4.98	9.29	6.56	2.28	2.75	2.05	1.12	5.94
10	1.25	1.57	2.95	3.27	4.49	9.31	7.42	2.29	3.73	1.59	1.07	5.96
11	1.23	1.57	2.79	3.17	4.09	8.38	6.95	2.29	3.32	1.36	1.02	5.41
12	1.21	1.58	2.70	3.12	3.84	7.80	5.97	2.19	3.90	1.25	.96	4.06
13	1.18	1.59	2.62	3.61	3.66	7.71	5.55	2.09	3.32	1.23	1.02	3.01
14	1.15	1.60	2.54	6.62	3.57	7.12	5.19	2.03	3.30	1.12	1.40	2.53
15	1.17	1.65	2.51	9.21	3.65	6.32	4.96	2.01	4.43	1.03	2.87	2.37
16	1.16	1.59	2.54	10.05	4.93	5.60	4.77	2.01	4.60	1.27	5.48	2.14
17	1.20	1.56	2.60	9.69	8.23	5.12	4.37	2.02	3.95	1.38	6.25	1.89
18	1.26	1.54	2.56	7.02	10.03	4.81	4.01	2.03	3.38	1.51	5.80	1.73
19	1.26	1.54	2.50	5.52	10.88	5.20	3.74	1.95	2.98	2.10	4.41	1.60
20	1.25	1.55	2.37	5.61	11.82	5.56	3.58	1.77	2.67	2.19	4.02	1.50
21	1.23	1.58	2.23	5.94	13.06	5.63	4.00	1.65	2.30	2.08	4.72	1.44
22	1.22	1.67	2.15	5.71	13.13	5.31	4.61	1.57	2.02	1.78	4.65	1.39
23	1.20	1.84	2.12	5.51	12.15	4.94	4.69	1.49	1.81	1.77	4.06	1.35
24	1.19	3.31	2.14	6.16	9.91	4.75	4.43	1.41	1.64	2.20	5.58	1.65
25	1.19	4.15	2.18	7.92	8.82	4.80	4.01	1.35	1.49	2.86	6.52	1.84
26	1.20	4.26	2.20	8.78	8.59	5.24	3.60	1.27	1.38	2.74	6.88	1.87
27	1.21	4.14	2.20	9.00	8.24	5.87	3.26	1.22	1.32	2.43	6.10	2.06
28	1.21	3.46	2.42	8.90	8.50	6.09	3.00	1.41	1.38	2.24	4.36	2.80
29	1.23	2.79	2.94	8.08	8.82	5.59	2.84	1.64	1.38	2.53	4.40	5.23
30	1.23	2.47	3.40	6.61	--	5.21	2.74	1.71	1.46	2.44	4.79	5.80
31	1.23	--	3.82	5.97	--	5.13	--	1.79	--	2.25	4.64	--
MEAN	1.32	2.00	2.74	5.89	7.00	6.33	4.63	1.96	2.46	1.87	3.38	3.12
MAX	2.17	4.26	4.12	10.05	13.13	9.31	7.42	2.66	4.60	2.86	6.88	5.96
MIN	1.15	1.23	2.12	3.12	3.57	4.75	2.74	1.22	1.32	1.03	.96	1.35
CAL YR 1991	MEAN 4.48		MAX 15.74		MIN 1.15							
WTR YR 1992	MEAN 3.55		MAX 13.13		MIN .96							

APALACHICOLA RIVER BASIN

02349500 FLINT RIVER AT MONTEZUMA, GA.--Continued

WATER-QUALITY RECORDS

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

REMARKS.--Laboratory chemical analyses 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 1991 TO SEPTEMBER 1992

DATE	TIME	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)
OCT 22...	1015	1020	57	60	7.3	7.0	18.0	21.5	8.7	93
NOV 19...	1015	1160	57	54	7.1	7.1	15.0	19.5	9.1	91
DEC 15...	1210	1640	55	57	7.1	6.9	10.0	13.5	10.0	89
JAN 28...	1045	6520	44	44	7.0	6.6	8.5	9.5	10.2	88
FEB 18...	1245	7880	38	41	6.8	6.6	12.5	15.5	8.9	85
MAR 17...	1105	3270	48	46	7.0	6.9	12.0	11.0	9.6	90
APR 21...	1110	2480	46	44	6.9	6.7	21.0	25.0	7.6	87
MAY 19...	0845	1370	62	52	7.1	7.1	22.5	24.5	7.4	87
JUN 16...	1115	2950	50	47	7.0	6.9	24.0	27.5	7.1	86
JUL 21...	0855	1440	47	—	7.1	7.0	26.0	26.0	7.1	89
AUG 18...	1120	3850	42	41	7.0	6.7	24.0	30.0	6.5	79
SEP 22...	0850	1100	68	63	7.0	6.8	25.0	25.5	7.4	91

DATE	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	OXYGEN DEMAND, CHEM- ICAL (LOW LEVEL) (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LINITY WAT WH TOT FET LAB MG/L AS CACO3	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L)
OCT 22...	20	6.0	—	0.6	460	18	5
NOV 19...	20	6.0	—	0.4	<20	17	10
DEC 15...	40	12	—	0.4	110	14	14
JAN 28...	100	40	—	2.7	330	7	34
FEB 18...	90	82	—	1.4	2300	8	71
MAR 17...	40	18	—	0.3	40	13	—
APR 21...	50	22	—	1.3	700	12	29
MAY 19...	40	13	—	0.6	90	16	4
JUN 16...	60	38	—	1.3	260	13	46
JUL 21...	—	20	1	1.2	110	14	>22
AUG 18...	90	46	7	1.8	490	7	47
SEP 22...	40	12	12	1.7	170	16	6

APALACHICOLA RIVER BASIN

02349500 FLINT RIVER AT MONTEZUMA, GA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	NITRO- GEN, NO ₂ +NO ₃ TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 22...	0.240	0.040	-	-	-	<0.020	3.0
NOV 19...	0.120	<0.030	-	-	-	0.030	2.5
DEC 15...	0.220	0.040	-	-	-	0.050	3.2
JAN 28...	0.480	0.120	-	-	-	<0.020	4.8
FEB 18...	0.240	<0.030	-	-	-	0.070	7.7
MAR 17...	0.220	<0.030	-	-	-	0.090	3.5
APR 21...	0.420	0.030	-	-	-	0.100	5.8
MAY 19...	0.350	<0.030	-	-	-	0.170	2.0
JUN 16...	0.370	0.030	-	-	-	0.090	4.0
JUL 21...	0.220	<0.030	-	0.10	0.32	0.030	3.0
AUG 18...	0.310	0.060	0.24	0.30	0.61	0.080	6.0
SEP 22...	1.28	0.050	0.15	0.20	1.5	0.020	4.1

APALACHICOLA RIVER BASIN

02349900 TURKEY CREEK AT BYROMVILLE, GA.

LOCATION.--Lat 32°11'44", long 83°54'03", Dooly County, Hydrologic Unit 03130006, on downstream side of bridge pier on State Highway 90, 0.5 mi southwest of Byromville, 1.1 mi downstream from Rogers Branch, and 11 mi upstream from mouth.

DRAINAGE AREA.--45 mi², approximately.

PERIOD OF RECORD.--Water years 1951-58 (annual maximum), June 1958 to current year.

REVISED RECORDS.--WDR GA-90-1: 1967-69.

GAGE.--Water-stage recorder. Elevation of gage is 286 ft above National Geodetic Vertical Datum of 1929 (from topographic map). Prior to June 19, 1958, crest-stage gage at site 50 ft upstream at same datum.

REMARKS.--Records fair.

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

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Jan. 14	2100	400	9.35	Feb. 24	0300	*994	*10.76
Feb. 16	1100	637	10.05	Mar. 7	0300	601	9.96
Feb. 18	0800	811	10.44	Mar. 19	2400	424	9.44

REVISIONS.--The maximum discharge for water year 1968 is 58 ft³/s, January 11, gage height 7.40 ft, and the minimum discharge has been revised to 1.9 ft³/s on Aug. 9, and Sept. 7 and 16, 1968, and revised daily discharges in cubic feet per second, for water year 1968 are given below. These figures supercede those published in the annual reports for 1968 and 1990 and WSP-2106.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1967 TO SEPTEMBER 1968
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.9	10	4.4	16	18	24	12	6.4	6.0	6.2	7.7	4.4
2	8.2	20	4.0	27	19	19	12	7.2	6.6	6.0	5.7	4.0
3	7.9	30	7.0	29	22	18	13	6.4	8.6	6.2	3.5	4.0
4	7.7	27	13	25	20	17	12	7.2	6.2	9.6	4.4	3.8
5	7.0	18	9.0	22	18	16	20	7.0	5.3	7.2	5.7	3.5
6	6.6	12	6.0	18	21	16	14	7.2	5.5	6.6	5.1	4.0
7	6.0	8.0	5.7	18	20	16	13	7.0	11	5.1	4.5	4.0
8	6.8	5.6	5.3	17	18	15	13	7.0	8.6	5.1	4.2	2.8
9	8.4	5.6	5.3	16	17	15	13	7.2	4.9	8.8	4.5	4.7
10	6.8	5.6	28	39	18	18	14	7.0	4.0	7.0	3.5	4.0
11	6.0	5.8	25	55	17	26	18	7.0	3.6	6.6	4.4	2.8
12	6.0	6.0	15	37	17	40	16	7.0	3.8	4.0	4.7	2.5
13	6.0	5.8	11	30	16	38	13	6.6	3.6	5.3	11	2.2
14	6.6	5.8	9.5	27	15	26	12	12	3.6	7.2	10	2.4
15	7.7	5.6	11	25	17	21	15	7.2	4.7	6.4	6.6	2.4
16	10	5.6	9.9	23	18	20	11	8.4	4.7	4.5	6.0	2.2
17	7.5	5.6	9.3	21	18	20	7.7	6.2	4.9	4.7	5.3	2.4
18	10	5.6	9.1	21	17	19	7.2	5.5	5.7	4.5	4.9	3.3
19	15	5.6	8.9	20	17	18	6.0	5.3	5.7	4.5	3.3	3.3
20	12	5.6	9.9	19	17	26	6.2	4.9	5.1	4.9	4.2	3.3
21	6.4	6.0	12	18	16	17	6.2	4.7	4.5	4.7	3.8	2.5
22	5.3	11	13	18	17	15	6.4	4.9	5.3	6.0	3.6	2.2
23	6.6	20	10	19	18	19	6.8	4.9	6.8	5.3	3.8	2.6
24	5.1	18	8.6	28	21	18	8.4	4.0	7.0	5.1	3.5	3.3
25	7.7	12	8.7	27	20	17	7.2	3.8	5.7	4.9	4.0	3.3
26	6.8	13	8.9	23	18	16	6.8	5.1	4.5	5.1	5.1	4.2
27	7.5	15	9.5	20	18	16	7.0	5.5	6.0	4.2	4.7	5.1
28	8.4	10	38	18	17	15	6.6	6.2	6.4	3.3	4.0	5.1
29	11	6.0	28	18	24	20	7.5	5.5	6.8	3.3	2.8	4.9
30	9.6	5.0	17	19	---	14	7.9	5.1	6.4	3.1	3.0	4.7
31	7.9	---	14	18	---	14	---	5.7	---	3.3	3.3	---
TOTAL	242.4	314.8	374.0	731	529	609	318.9	195.1	171.5	168.7	150.8	103.9
MEAN	7.82	10.5	12.1	23.6	18.2	19.6	10.6	6.29	5.72	5.44	4.86	3.46
MAX	15	30	38	55	24	40	20	12	11	9.6	11	5.1
MIN	5.1	5.0	4.0	16	15	14	6.0	3.8	3.6	3.1	2.8	2.2
CFSM	.17	.23	.27	.52	.41	.44	.24	.14	.13	.12	.11	.08
IN.	.20	.26	.31	.60	.44	.50	.26	.16	.14	.14	.12	.09
CAL YR 1967	TOTAL 10688.8			MEAN 29.3			MAX 390			MIN 4.0		
WTR YEAR 1968	TOTAL 3909.1			MEAN 10.7			MAX 55			MIN 2.2		
										CFSM .65		
										CFSM .24		
										IN. 8.84		
										IN. 3.23		

APALACHICOLA RIVER BASIN

02349900 TURKEY CREEK AT BYROMVILLE, GA.--Continued

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.4	6.2	8.4	9.8	60	91	89	16	14	50	17	8.0
2	5.8	6.2	8.4	13	50	82	80	15	10	72	14	7.7
3	6.0	6.2	16	16	45	74	67	14	9.5	35	13	7.6
4	6.2	6.3	18	14	42	68	59	13	13	27	11	8.0
5	6.1	6.3	12	12	42	65	53	12	10	21	11	19
6	5.8	6.4	9.2	10	73	245	48	11	8.4	18	20	41
7	5.5	6.4	8.3	9.5	127	445	52	11	7.6	32	101	21
8	5.5	6.3	8.1	8.9	92	217	68	12	7.5	26	37	32
9	5.3	6.4	8.2	9.4	66	149	53	12	24	19	18	23
10	5.3	6.6	12	10	55	163	45	11	39	16	13	15
11	5.2	6.9	9.7	8.7	50	271	41	10	34	13	10	12
12	5.1	6.4	8.6	8.4	45	156	39	9.6	210	16	9.0	10
13	5.0	6.3	8.4	57	43	120	35	9.3	88	33	10	9.3
14	4.9	6.3	8.9	273	43	107	33	9.5	125	21	14	8.7
15	8.7	6.3	8.6	203	110	93	31	9.2	132	16	13	8.2
16	9.7	6.4	7.8	75	477	81	28	9.0	45	20	11	8.0
17	6.7	6.4	7.5	50	315	71	26	9.0	31	18	10	8.0
18	6.1	6.5	7.3	42	627	67	24	8.5	25	20	9.3	7.9
19	5.7	7.0	7.1	74	306	261	23	8.0	20	32	24	7.7
20	5.7	7.0	7.0	89	196	310	24	7.7	17	20	39	7.6
21	5.8	7.6	7.2	60	146	161	81	7.5	14	15	33	7.3
22	6.0	9.7	7.3	48	124	118	81	7.3	13	16	21	7.3
23	5.9	8.9	8.1	91	345	104	42	7.1	12	23	17	18
24	6.1	8.0	9.8	171	663	88	30	6.8	12	29	14	41
25	6.3	7.5	8.4	89	263	82	25	6.7	11	21	15	17
26	6.2	7.3	7.9	63	186	112	21	6.7	10	17	13	12
27	6.2	7.2	8.5	53	143	89	19	6.8	13	17	12	15
28	6.3	7.3	23	55	118	70	19	22	41	22	11	16
29	6.0	7.4	24	73	103	62	18	18	27	21	9.9	12
30	6.1	7.4	15	72	---	74	17	18	25	17	8.9	9.9
31	6.2	---	11	69	---	132	---	34	---	16	8.2	---
TOTAL	186.8	207.1	319.7	1836.7	4955	4228	1271	357.7	1048.0	739	567.3	425.2
MEAN	6.03	6.90	10.3	59.2	171	136	42.4	11.5	34.9	23.8	18.3	14.2
MAX	9.7	9.7	24	273	663	445	89	34	210	72	101	41
MIN	4.9	6.2	7.0	8.4	42	62	17	6.7	7.5	13	8.2	7.3
CFSM	.13	.15	.23	1.32	3.80	3.03	.94	.26	.78	.53	.41	.31
IN.	.15	.17	.26	1.52	4.10	3.50	1.05	.30	.87	.61	.47	.35

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1958 - 1992, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	9.99	12.6	33.9	76.1	108	102	72.2	35.7	28.2	31.6	21.4	9.99
MAX	45.7	50.6	202	235	223	260	191	166	142	164	76.3	33.9
(WY)	1965	1977	1965	1964	1983	1966	1981	1976	1973	1964	1969	1964
MIN	3.45	4.16	3.96	5.29	7.74	15.6	10.6	5.45	3.69	2.62	3.36	2.86
(WY)	1969	1989	1989	1989	1989	1989	1968	1988	1988	1988	1988	1990

SUMMARY STATISTICS

FOR 1991 CALENDAR YEAR

FOR 1992 WATER YEAR

WATER YEARS 1958 - 1992

ANNUAL TOTAL	17726.3	16141.5	
ANNUAL MEAN	48.6	44.1	44.8
HIGHEST ANNUAL MEAN			97.9
LOWEST ANNUAL MEAN			9.87
HIGHEST DAILY MEAN	1110	Mar 3	2570
LOWEST DAILY MEAN	4.9	Oct 14	2.0
ANNUAL SEVEN-DAY MINIMUM	5.2	Oct 8	2.1
INSTANTANEOUS PEAK FLOW			4820
INSTANTANEOUS PEAK STAGE			13.82
INSTANTANEOUS LOW FLOW			1.9
ANNUAL RUNOFF (CFSM)	1.08		1.00
ANNUAL RUNOFF (INCHES)	14.65		13.54
10 PERCENT EXCEEDS	103		107
50 PERCENT EXCEEDS	20		15
90 PERCENT EXCEEDS	6.1		4.8

a Oct 5, 1968, June 1, 1974 and July 11-15, 1986.

APALACHICOLA RIVER BASIN

02350001 FLINT RIVER NEAR VIENNA, GA.

LOCATION.--Lat 32°03'38", long 83°58'36", Dooly County, Hydrologic Unit 03130006, at bridge on State Route 27, 0.2 mi downstream of Turkey Creek, 12 mi west of Vienna, and at mile 154.1.

DRAINAGE AREA.--3,390 mi².

PERIOD OF RECORD.--July 1979 to current year.

REMARKS.--Laboratory chemical analyses 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. Records of discharge for the water years 1927-30 are published in reports of the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	TIME	GAGE HEIGHT (FEET)	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)
OCT 22...	0930	5.46	95	90	7.3	7.1	18.0	21.0	8.1	87
NOV 19...	1120	5.71	84	83	7.1	7.1	15.5	23.0	9.1	92
DEC 15...	1130	6.73	90	88	7.2	7.0	14.0	9.0	9.0	87
JAN 28...	1200	8.21	59	59	7.0	6.7	8.5	9.5	9.8	85
FEB 18...	1140	8.23	54	53	6.6	6.6	13.0	15.0	8.9	86
MAR 17...	1220	7.08	73	72	7.1	6.8	13.0	19.0	9.4	90
APR 21...	1015	8.11	78	72	7.0	6.9	21.5	24.0	7.1	82
MAY 19...	0955	7.91	90	84	7.1	7.0	24.0	26.0	6.4	77
JUN 16...	1020	8.11	78	76	6.9	6.9	23.5	27.0	6.2	74
JUL 21...	1020	7.53	76	75	7.0	6.9	26.5	29.5	6.8	86
AUG 18...	1035	8.17	75	73	7.0	6.8	25.5	29.0	6.6	82
SEP 22...	1055	7.92	85	80	7.0	6.8	26.5	27.0	6.8	86

DATE	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LITY WAT WH TOT FET LAB MG/L AS CACO3	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)
OCT 22...	20	8.0	0.4	<20	22	0.280	0.080	<0.020	4.5
NOV 19...	30	11	0.6	50	22	0.230	0.030	0.050	3.6
DEC 15...	50	11	0.4	50	20	0.270	0.140	0.040	5.1
JAN 28...	60	50	2.2	170	12	0.390	0.060	0.100	13
FEB 18...	200	120	1.3	17000	10	0.330	<0.030	0.070	9.0
MAR 17...	45	21	1.0	110	18	0.330	0.040	0.080	4.0
APR 21...	50	16	0.5	330	16	0.270	0.040	0.130	3.5
MAY 19...	50	12	0.8	20	21	0.380	0.060	0.100	3.0
JUN 16...	60	39	1.3	490	16	0.340	<0.030	0.110	4.0
JUL 21...	110	23	2.1	230	17	0.340	0.030	0.020	5.0
AUG 18...	150	37	1.0	170	3	0.310	<0.030	0.110	6.0
SEP 22...	40	10	1.1	130	21	0.250	0.050	<0.020	3.6

APALACHICOLA RIVER BASIN

02350512 FLINT RIVER AT STATE HIGHWAY 32 NEAR OAKFIELD, GA.

LOCATION.--Lat 31°43'30", long 84°01'07", Worth-Lee County line. Hydrologic Unit 03130006, on downstream end of pier of bridge on State Highway 32, 5 mi southwest of Oakfield, 3.2 mi downstream from Jones Creek, 13.9 mi downstream from Crisp County damsite, and at river mile 120.8.

DRAINAGE AREA.--3,880 mi², approximately.

PERIOD OF RECORD.--October 1929 to December 1958, May 1987 to current year. Monthly discharge only, October 1929 to January 1930 and June 1933 to October 1934 (published in WSP 1304). Prior to May 1987, published as "at Oakfield" (station 02350500).

GAGE.--Water-stage recorder. Elevation of gage is 190 ft above National Geodetic Vertical Datum of 1929 (from topographic map). January 9, 1930 to June 23, 1933 and October 1, 1934 to December 31, 1958, recording gage at site 4.2 mi upstream at datum 193.29 ft above National Geodetic Vertical Datum of 1929, supplementary adjustment of 1936.

REMARKS.--Records good, except those for the period Sept. 11-14, which are fair. Flow regulated by powerplant at Warwick Reservoir since 1930, capacity about 35,000 acre-ft. Normal operation of powerplant does not materially affect figures of monthly runoff.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known since at least 1898, 35.1 ft, Jan. 20, 1925, from floodmarks, 90,000 ft³/s. Flood in March 1929 reached a stage of 34.0 ft, from floodmarks, 85,000 ft³/s.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	983	977	1260	3250	5600	9080	6280	2260	1820	1720	1830	4080
2	1730	1570	2250	3250	5070	8410	6420	2860	1680	2930	1870	2750
3	1890	1310	2340	3270	3620	7970	5130	1900	1850	1740	1950	1900
4	2840	2460	2620	3280	4280	5960	4400	2400	2230	2770	2210	2810
5	2330	1400	2740	3710	3280	4620	5560	1970	1700	1610	1560	1910
6	1710	811	2150	4050	5220	7890	3610	2290	2220	1470	1310	2640
7	1420	811	3380	3760	6010	9900	4800	2260	1740	2900	1060	3920
8	1000	1170	3210	3530	6020	10400	3590	2010	1750	2390	1190	4330
9	1680	1160	2590	3230	5810	11200	5200	1420	3050	2640	1800	4360
10	1180	1370	3200	3240	4870	10500	5690	2040	3780	2860	2600	4380
11	881	1380	2270	3410	4400	9860	6510	2560	2280	1640	2590	4950
12	1320	1390	2050	1860	3830	9970	6030	3350	5460	1140	1320	5400
13	1460	1700	2130	4920	3590	9550	5650	1900	3560	2790	1040	4700
14	845	1700	3140	6370	3450	7970	4430	1260	6000	2800	1070	4100
15	1660	1690	2030	8090	4240	7110	4660	1290	3850	1790	1040	1500
16	1410	1420	2450	7760	5530	5730	4050	1600	3640	1280	1080	1390
17	1080	1340	2880	9390	9010	5660	4030	1790	4210	1130	2270	1720
18	840	1060	1710	8650	14800	4350	4180	2220	3990	1130	5250	1340
19	1450	851	3290	7580	15700	6650	3420	2020	2780	1140	5240	1410
20	1700	858	4400	5380	13700	8720	2950	1590	2730	1680	3250	1630
21	1000	864	2100	3340	12700	9180	3750	1090	1890	1680	2920	1730
22	1460	1200	1140	3960	13400	7680	5020	1510	2260	1490	4210	1270
23	1400	1590	1080	5370	16000	5850	4680	1620	2280	1300	4150	1670
24	988	1020	1050	5930	18500	4840	3730	1430	2070	1360	2630	1690
25	1370	2290	1050	7140	16300	5210	4530	1300	1400	1170	4660	1890
26	1080	2610	1220	7450	13100	5720	3320	1360	1230	1620	5090	1590
27	1590	1310	2040	7190	7940	4390	3280	1730	1090	3130	4740	2600
28	1040	1100	3130	7300	8260	5650	2930	1130	1420	1930	5080	2920
29	1330	897	2450	9330	9450	5640	2900	1380	1690	2000	3180	2370
30	1210	893	2970	6670	---	5730	1630	2120	1560	1890	3370	3410
31	981	---	3240	6500	---	7210	---	1990	---	2240	3530	---
TOTAL	42858	40202	73560	168160	243680	228600	132360	57650	77210	59360	85090	82360
MEAN	1383	1340	2373	5425	8403	7374	4412	1860	2574	1915	2745	2745
MAX	2840	2610	4400	9390	18500	11200	6510	3350	6000	3130	5250	5400
MIN	840	811	1050	1860	3280	4350	1630	1090	1090	1130	1040	1270
CFSM	.36	.35	.61	1.40	2.17	1.90	1.14	.48	.66	.49	.71	.71
IN.	.41	.39	.71	1.61	2.34	2.19	1.27	.55	.74	.57	.82	.79

APALACHICOLA RIVER BASIN

02350512 FLINT RIVER AT STATE HIGHWAY 32 NEAR OAKFIELD, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1930 - 1992, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	2313	2495	4309	5943	6610	8222	6960	3983	2774	3229	2626	2038
MAX	10690	7848	17020	14120	14320	16130	18880	11000	5543	7112	5760	4501
(WY)	1930	1931	1949	1936	1936	1952	1936	1953	1934	1940	1936	1953
MIN	858	1105	1568	1705	2524	3048	3587	1825	1111	774	683	933
(WY)	1956	1934	1991	1956	1989	1955	1932	1941	1988	1988	1988	1954

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1930 - 1992	
ANNUAL TOTAL	1586948		1291090			
ANNUAL MEAN	4348		3528		4298	
HIGHEST ANNUAL MEAN					6918	
LOWEST ANNUAL MEAN					2456	
HIGHEST DAILY MEAN	29700		18500		60000	
LOWEST DAILY MEAN	811		811		152	
ANNUAL SEVEN-DAY MINIMUM	1060		1060		589	
INSTANTANEOUS PEAK FLOW			19300		60500	
INSTANTANEOUS PEAK STAGE			14.91		30.10	
ANNUAL RUNOFF (CFSM)	1.12		.91		1.11	
ANNUAL RUNOFF (INCHES)	15.22		12.38		15.05	
10 PERCENT EXCEEDS	7830		7240		8420	
50 PERCENT EXCEEDS	3330		2600		3000	
90 PERCENT EXCEEDS	1240		1140		1220	

APALACHICOLA RIVER BASIN

02350600 KINCHAFOONEE CREEK AT PRESTON, GA.

LOCATION.--Lat 32°03'09", long 84°32'54", Webster County, Hydrologic Unit 03130007, at bridge on State Highway 41, 1.0 mi southwest of Preston, and 1.0 mi upstream from Harrel Mill Creek.

DRAINAGE AREA.--197 mi².

PERIOD OF RECORD.-- December 1969 to September 1970, November 1971 to current year.

REMARKS.--Laboratory analyses are provided by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	TIME	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)
NOV 19...	1225	95	32	33	7.0	6.6	24.5	15.5	8.7	106
JAN 28...	1305	238	32	32	6.9	6.4	9.5	10.0	10.0	89
MAR 17...	1350	209	34	33	7.0	6.6	12.0	21.0	9.5	90
MAY 19...	1055	57	35	32	6.8	6.7	20.0	30.0	7.5	84
JUL 21...	1155	58	34	34	7.0	6.7	23.5	31.0	7.4	89
SEP 22...	1235	46	33	33	6.9	6.6	23.0	30.0	7.5	90

DATE	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LITY WAT WH TOT FET LAB MG/L AS CACO3	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)
NOV 19...	55	9.0	0.7	170	9	0.060	<0.030	<0.020	5.2
JAN 28...	50	10	2.1	110	6	0.120	0.040	<0.020	7.7
MAR 17...	60	10	0.7	170	8	0.100	<0.030	0.050	4.6
MAY 19...	110	22	0.9	20	9	0.240	0.070	0.060	4.0
JUL 21...	120	19	1.5	70	10	0.210	<0.030	<0.020	4.0
SEP 22...	90	15	0.8	220	9	0.150	<0.030	0.020	4.1

APALACHICOLA RIVER BASIN

02350900 KINCHAFOONEE CREEK NEAR DAWSON, GA.

LOCATION.--Lat 31°45'52", long 84°15'12", Lee County, Hydrologic Unit 03130007, on downstream end of bridge pier on Prison Farm Road, 3.6 mi west of U.S. Highway 19, and 5.2 mi northwest of Leesburg.

DRAINAGE AREA.--527 mi², approximately.

PERIOD OF RECORD.--Water years 1949-65 (annual maximum), March 1985 to current year.

GAGE.--Water-stage recorder. Datum of gage is 211.74 ft above National Geodetic Vertical Datum of 1929 (Georgia State Highway Commission benchmark). April 6, 1949 to September 30, 1965, crest-stage gage at site 1,500 ft upstream at same datum.

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

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in 1943 or 1944 is believed to have reached an elevation of about 23 ft from information by local resident. Maximum stage of 20.46 was reached March 5, 1966.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,600 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Jan. 18	0500	1,820	10.24	Feb. 25	0800	2,100	11.17
Feb. 18	0300	*2,340	*11.79	Mar. 11	0400	1,650	9.92

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	170	179	251	361	764	1040	1020	309	210	114	163	167
2	169	179	257	328	687	870	1120	297	177	220	160	145
3	169	181	278	345	608	752	1200	289	161	315	140	132
4	169	185	461	407	549	698	939	273	200	327	124	143
5	169	194	546	411	520	678	705	255	265	275	113	174
6	233	196	545	381	807	966	631	236	235	213	104	e200
7	240	197	521	344	1290	1290	610	230	202	175	97	e260
8	229	197	426	316	1270	1520	622	233	173	146	99	e390
9	214	197	349	317	1040	1530	643	238	217	126	160	e620
10	196	197	341	350	847	1460	674	235	447	121	230	e640
11	187	198	396	361	669	1600	667	227	405	109	182	e400
12	181	200	408	350	586	1360	597	213	477	105	146	e195
13	180	202	391	549	549	1190	563	203	615	e101	132	169
14	177	202	360	926	534	1080	532	195	565	e95	130	152
15	171	203	363	1120	636	894	499	189	605	e93	144	139
16	180	205	368	1310	1180	751	468	184	472	92	158	134
17	182	206	357	1600	1660	685	442	177	346	97	157	131
18	185	208	327	1760	2280	649	420	172	274	150	148	124
19	184	208	303	1450	2250	982	398	163	233	196	142	118
20	179	208	285	1110	2010	1390	393	156	205	228	e160	116
21	176	209	276	986	1830	1540	527	148	184	183	e180	116
22	176	230	271	899	1660	1570	721	144	169	176	e170	115
23	176	323	271	907	1820	1550	783	137	155	200	e170	113
24	176	381	279	935	1890	1240	724	131	137	245	e160	125
25	176	378	293	890	2020	879	537	125	123	243	e170	159
26	178	335	300	885	1620	867	434	122	115	212	e190	144
27	179	282	298	872	1390	872	378	121	118	195	e220	163
28	179	259	318	750	1240	843	344	124	144	175	e230	e210
29	179	254	409	730	1070	761	328	165	123	170	e220	e380
30	179	250	429	752	---	737	316	200	113	170	e200	e430
31	179	---	400	784	---	878	---	247	---	163	e190	---
TOTAL	5717	6843	11077	23486	35276	33122	18235	6138	7865	5430	4989	6504
MEAN	184	228	357	758	1216	1068	608	198	262	175	161	217
MAX	240	381	546	1760	2280	1600	1200	309	615	327	230	640
MIN	169	179	251	316	520	649	316	121	113	92	97	113
CFSM	.35	.43	.68	1.44	2.31	2.03	1.15	.38	.50	.33	.31	.41
IN.	.40	.48	.78	1.66	2.49	2.34	1.29	.43	.56	.38	.35	.46

e Estimated

APALACHICOLA RIVER BASIN

02350900 KINCHAFOONEE CREEK NEAR DAWSON, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1985 - 1992, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	193	293	466	779	813	973	538	401	289	323	204	181
MAX	458	519	852	1502	1216	1447	705	1176	589	820	568	217
(WY)	1990	1990	1990	1990	1992	1990	1987	1991	1991	1989	1991	1992
MIN	103	160	208	277	323	506	257	139	97.1	62.4	70.2	73.9
(WY)	1991	1991	1989	1989	1989	1989	1986	1986	1988	1986	1988	1990

SUMMARY STATISTICS

FOR 1991 CALENDAR YEAR

FOR 1992 WATER YEAR

WATER YEARS 1985 - 1992

ANNUAL TOTAL	230375	164682	
ANNUAL MEAN	631	450	456
HIGHEST ANNUAL MEAN			612
LOWEST ANNUAL MEAN			294
HIGHEST DAILY MEAN	5380	Mar 5	2280
LOWEST DAILY MEAN	139	Sep 18	92
ANNUAL SEVEN-DAY MINIMUM	151	Sep 13	99
INSTANTANEOUS PEAK FLOW			2340
INSTANTANEOUS PEAK STAGE			11.79
INSTANTANEOUS LOW FLOW			91
ANNUAL RUNOFF (CFSM)	1.20	.85	.86
ANNUAL RUNOFF (INCHES)	16.26	11.62	11.75
10 PERCENT EXCEEDS	1140	1070	961
50 PERCENT EXCEEDS	463	252	278
90 PERCENT EXCEEDS	183	133	108

APALACHICOLA RIVER BASIN

02351890 MUCKALEE CREEK AT STATE HIGHWAY 195, NEAR LEESBURG, GA.

LOCATION.--Lat 31°46'34", long 84°08'22", Lee County, Hydrologic Unit 03130007, on downstream end of bridge pier on State Highway 195, 75 ft downstream from White Oak Branch, 3.3 mi downstream from Muckaloochee Creek, and 4.0 mi northeast of Leesburg.

DRAINAGE AREA.--362 mi².

PERIOD OF RECORD.--December 1979 to current year.

REVISED RECORDS.--WRD GA-82-1: 1980(P), 1981(P).

GAGE.--Water-stage recorder, Elevation of gage is 220 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

REMARKS.--Records good. Discharges during growing season affected by undetermined amount of irrigation withdrawal.

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

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Feb. 18	1100	*2,510	*11.81	Mar. 21	1400	1,540	10.75
Feb. 25	1800	2,280	11.61	Apr. 2	0200	1,200	10.11
Mar. 8	2100	1,530	10.72				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	116	136	179	297	570	756	1000	207	182	108	119	104
2	115	138	182	263	580	632	1140	199	155	175	107	94
3	119	137	200	265	491	557	946	191	137	269	101	87
4	122	139	260	274	384	530	742	179	161	277	98	93
5	127	143	293	300	360	518	573	170	179	227	90	115
6	162	149	335	312	553	726	484	162	186	177	93	146
7	217	150	362	319	812	1130	462	175	162	144	97	226
8	210	152	340	305	1050	1440	466	201	141	125	105	313
9	181	153	260	293	1070	1430	457	193	207	109	113	539
10	161	155	240	286	860	1250	484	177	334	95	141	566
11	148	157	247	273	599	1330	502	170	336	85	142	398
12	141	157	265	254	469	1280	444	153	371	77	125	217
13	134	158	270	416	428	1140	391	146	425	76	118	163
14	130	156	258	563	410	950	369	139	673	75	116	140
15	132	155	244	590	470	830	353	133	751	77	115	127
16	138	156	235	889	761	659	330	132	597	77	121	125
17	139	156	230	1090	1210	591	310	126	347	91	124	116
18	142	157	222	1080	2430	521	293	118	234	119	121	105
19	143	159	206	945	2320	721	278	107	185	156	115	103
20	137	160	196	693	2040	1030	271	108	161	302	138	100
21	131	163	191	630	1630	1480	334	103	138	224	157	97
22	132	178	190	651	1300	1440	479	96	122	181	147	92
23	135	197	192	711	1430	1200	598	94	112	182	153	90
24	136	214	202	727	1660	935	611	93	103	201	137	120
25	136	220	204	678	2060	721	535	90	92	178	145	129
26	145	221	212	678	1910	653	347	81	83	157	168	121
27	150	197	213	630	1400	647	270	73	98	173	159	145
28	138	182	239	558	1070	655	239	80	140	161	138	258
29	137	177	284	489	849	666	221	101	129	142	131	340
30	136	177	309	501	---	591	214	132	110	137	124	374
31	136	---	318	554	---	634	---	169	---	130	117	---
TOTAL	4426	4949	7578	16514	31176	27643	14143	4298	7051	4707	3875	5643
MEAN	143	165	244	533	1075	892	471	139	235	152	125	188
MAX	217	221	362	1090	2430	1480	1140	207	751	302	168	566
MIN	115	136	179	254	360	518	214	73	83	75	90	87
CFSM	.39	.46	.68	1.47	2.97	2.46	1.30	.38	.65	.42	.35	.52
IN.	.45	.51	.78	1.70	3.20	2.84	1.45	.44	.72	.48	.40	.58

APALACHICOLA RIVER BASIN

02351890 MUCKALEE CREEK AT STATE HIGHWAY 195, NEAR LEESBURG, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1980 - 1992, BY WATER YEAR (WY)

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	128	206	339	543	709	687	448	326	215	247	201	139
MAX	255	329	774	1169	1349	1306	877	957	475	720	552	217
(WY)	1990	1984	1984	1990	1983	1983	1980	1991	1991	1989	1984	1983
MIN	83.5	129	145	183	196	281	169	87.2	65.3	35.1	49.8	57.7
(WY)	1988	1991	1989	1989	1989	1989	1986	1986	1988	1986	1990	1990

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1980 - 1992	
ANNUAL TOTAL	170913		132003			
ANNUAL MEAN	468		361		347	
HIGHEST ANNUAL MEAN					513	
LOWEST ANNUAL MEAN					211	
HIGHEST DAILY MEAN	4820		2430		5150	
LOWEST DAILY MEAN	99		73		12	
ANNUAL SEVEN-DAY MINIMUM	104		80		16	
INSTANTANEOUS PEAK FLOW			2510		6290	
INSTANTANEOUS PEAK STAGE			11.81		13.91	
INSTANTANEOUS LOW FLOW			a72		12	
ANNUAL RUNOFF (CFSM)	1.29		1.00		.96	
ANNUAL RUNOFF (INCHES)	17.56		13.56		13.04	
10 PERCENT EXCEEDS	792		836		739	
50 PERCENT EXCEEDS	337		192		212	
90 PERCENT EXCEEDS	138		105		81	

a Gage height, 3.11 ft.

APALACHICOLA RIVER BASIN

02352500 FLINT RIVER AT ALBANY, GA.

LOCATION.--Lat 31°35'39", long 84° 08'39", Dougherty County, Hydrologic Unit 03130008, on right bank at downstream side of Georgia Northern Railway bridge in Albany, 0.5 mi downstream from Muckafoonee Creek, and at mile 103.4.

DRAINAGE AREA.--5,310 mi², approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--February 1897 to September 1901 (gage heights only), October 1901 to June 1921, October 1929 to current year.

Gage-height records collected at site 1 mi downstream since 1893 are contained in reports of National Weather Service.

REVISED RECORDS.--WSP 1504: 1902, 1913(M), 1916-17, 1919- 21, 1930(m), 1934(m), drainage area.

GAGE.--Water-stage recorder. Datum of gage is 150.03 ft above National Geodetic Vertical Datum of 1929. Prior to Jan. 1, 1902, nonrecording gage at site 1 mi downstream at datum 1.3 ft lower. Jan. 1, 1902 to June 30, 1921, nonrecording gage at site 1 mi downstream at datum 2.0 ft lower.

REMARKS.--Records good. Flow regulated by powerplants at Flint River Reservoir since 1921, capacity, 7,500 acre-ft; and at Warwick Reservoir since 1930, capacity about 35,000 acre-ft. Normal operation of powerplants does not materially affect figures of monthly runoff.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since at least 1893, 37.84 ft Jan. 21, 1925, from floodmarks, present site and datum, discharge, 92,000 ft³/s, from rating curve extended above 75,000 ft³/s.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 20,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Feb. 19	1445	*25,200	*18.77	Feb. 24	1515	25,200	18.74

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1470	1570	1660	3730	8040	13400	9770	2860	2150	1900	2250	4490
2	2150	1730	2640	3940	7660	11500	9990	3720	2210	3300	2330	3430
3	2150	1850	2950	3700	5240	10600	8580	2540	2240	2430	2140	2340
4	3410	2060	2870	3950	5970	8530	6920	3060	2730	3020	2550	2940
5	2520	2610	3560	3910	4860	6680	7730	2860	2110	2680	2010	2180
6	2070	1240	3110	6080	6500	10800	5750	2490	2680	1770	1730	2940
7	2210	1510	4270	5330	9510	14200	6060	2790	2190	2890	1370	4120
8	1700	1610	4030	4710	10400	14600	5420	2770	2180	2800	1470	4770
9	2050	1650	3420	4600	9900	15800	6520	1960	3250	2830	1680	5160
10	1970	1890	3220	4310	8000	15600	7190	2730	4520	3060	2940	5120
11	1620	1810	3090	3980	7200	14500	8670	2790	3220	2360	2900	5770
12	1510	1840	2920	3140	5370	15400	7290	3740	6020	1480	2260	4710
13	1980	2140	2690	6240	4370	13800	7670	2890	4720	2220	1420	3320
14	1280	2200	3400	8580	3920	12000	6620	1790	7720	3070	1490	3150
15	1980	2170	2950	10500	3850	11300	5630	1810	4510	2320	1420	2380
16	1860	1910	2700	10200	7120	8120	4550	1990	5230	1790	1530	1710
17	1680	1860	3570	12200	11500	8020	5250	2190	5020	1530	2380	1890
18	1370	1690	2440	12300	20800	6070	5020	2480	5080	1490	5680	1780
19	1780	1370	3200	12300	24000	9660	4520	2330	3260	1510	5200	1710
20	2180	1340	4450	8750	21900	13000	4720	1890	2710	1930	4470	1760
21	2220	1370	3590	5970	18900	14500	3400	1460	2760	2390	3010	2090
22	1570	1480	1660	5670	18300	13000	6650	1750	2990	2260	4680	1570
23	1140	2220	1680	8010	20300	9900	6570	1810	1880	1950	4540	1660
24	1970	1560	1500	8720	23800	8730	5440	1730	2500	1910	3680	1980
25	1600	3210	1630	9740	23600	7930	5940	1830	1800	1760	4730	2210
26	1520	2780	1670	10400	20200	8560	4700	1590	1490	1970	5700	1920
27	2060	2040	2140	10100	15000	6940	4040	1980	1450	3250	5210	2580
28	1470	1760	3980	9190	13100	8340	3760	1350	1740	2570	5330	3400
29	1740	1540	2920	11800	13300	8070	3750	1640	1880	2400	4010	3290
30	1700	1450	3440	9470	---	8010	2470	2530	2030	2300	3650	3660
31	1430	---	3900	9570	---	10300	---	2550	---	2570	3540	---
TOTAL	57360	55460	91250	231090	352610	337860	180590	71900	94270	71710	97300	90030
MEAN	1850	1849	2944	7455	12160	10900	6020	2319	3142	2313	3139	3001
MAX	3410	3210	4450	12300	24000	15800	9990	3740	7720	3300	5700	5770
MIN	1140	1240	1500	3140	3850	6070	2470	1350	1450	1480	1370	1570
CFSM	.35	.35	.55	1.40	2.29	2.05	1.13	.44	.59	.44	.59	.57
IN.	.40	.39	.64	1.62	2.47	2.37	1.27	.50	.66	.50	.68	.63

APALACHICOLA RIVER BASIN

02352500 FLINT RIVER AT ALBANY, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1902 - 1992, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	3069	3296	5986	8457	10420	11730	9570	5792	4075	4494	4186	2872
MAX	13970	10520	22210	18590	20680	27180	25500	15410	9722	22490	18950	8704
(WY)	1930	1931	1949	1964	1908	1913	1944	1920	1973	1916	1919	1903
MIN	1175	1428	1993	2306	3252	3053	2984	1683	1482	814	907	1111
(WY)	1955	1932	1989	1956	1989	1911	1986	1986	1988	1986	1988	1968

SUMMARY STATISTICS

FOR 1991 CALENDAR YEAR

FOR 1992 WATER YEAR

WATER YEARS 1902 - 1992

ANNUAL TOTAL	2250220	1731430	
ANNUAL MEAN	6165	4731	6158
HIGHEST ANNUAL MEAN			10910
LOWEST ANNUAL MEAN			2894
HIGHEST DAILY MEAN	40400	24000	75200
LOWEST DAILY MEAN	1140	1140	a327
ANNUAL SEVEN-DAY MINIMUM	1570	1570	735
INSTANTANEOUS PEAK FLOW		25200	77000
INSTANTANEOUS PEAK STAGE		18.77	34.72
ANNUAL RUNOFF (CFSM)	1.16	.89	1.16
ANNUAL RUNOFF (INCHES)	15.76	12.13	15.76
10 PERCENT EXCEEDS	11600	10300	13000
50 PERCENT EXCEEDS	4610	3000	4140
90 PERCENT EXCEEDS	1700	1600	1780

a Due to regulation.

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.78	3.01	3.12	4.80	7.23	10.40	8.16	4.15	3.59	3.33	3.60	5.23
2	3.58	3.13	4.00	4.93	7.03	9.19	8.28	4.71	3.61	4.44	3.72	4.55
3	3.61	3.30	4.20	4.78	5.68	8.63	7.51	3.95	3.67	3.84	3.56	3.74
4	4.49	3.27	4.13	4.94	6.10	7.50	6.62	4.30	4.08	4.28	3.92	4.16
5	3.88	3.82	4.68	4.91	5.46	6.49	7.06	4.08	3.57	3.96	3.37	3.57
6	3.47	2.58	4.34	6.15	6.38	8.75	5.98	3.68	4.04	3.23	3.10	4.18
7	3.56	2.91	5.06	5.72	8.01	10.79	6.12	4.11	3.63	4.08	2.70	5.02
8	3.06	2.98	4.95	5.33	8.48	11.04	5.76	4.10	3.61	3.94	2.81	5.39
9	3.48	3.09	4.54	5.31	8.22	11.94	6.40	3.33	4.47	4.02	3.10	5.62
10	3.38	3.35	4.37	5.15	7.21	11.79	6.78	4.07	5.27	4.19	4.23	5.60
11	3.04	3.24	4.37	4.96	6.78	11.05	7.57	3.95	4.41	3.56	4.08	5.98
12	2.85	3.27	4.23	4.32	5.76	11.63	6.84	4.71	6.12	2.80	3.50	5.37
13	3.30	3.60	4.06	6.16	5.18	10.57	7.04	4.03	5.38	3.44	2.85	4.43
14	2.59	3.65	4.58	7.52	4.92	9.37	6.47	3.24	7.05	4.10	2.92	4.37
15	3.40	3.62	4.22	8.56	4.88	9.00	5.73	3.27	5.21	3.58	2.83	3.59
16	3.32	3.37	4.01	8.37	6.72	7.27	5.29	3.44	5.59	3.23	2.95	3.16
17	3.12	3.31	4.69	9.56	9.37	7.22	5.69	3.65	5.52	2.93	3.79	3.30
18	2.69	3.14	3.85	9.59	15.72	6.15	5.56	3.75	5.59	2.87	5.91	3.12
19	3.15	2.78	4.29	9.61	17.99	8.11	5.27	3.73	4.27	2.88	5.65	3.15
20	3.59	2.73	5.21	7.61	16.49	9.99	5.35	3.24	4.07	3.34	5.20	3.16
21	3.53	2.79	4.48	6.10	14.25	11.01	4.36	2.86	4.00	3.79	4.26	3.50
22	3.00	2.91	3.10	5.91	13.85	10.04	6.46	3.16	4.10	3.67	5.36	2.98
23	2.45	3.66	3.14	7.21	15.33	8.24	6.43	3.21	3.06	3.38	5.26	3.03
24	3.35	2.99	2.92	7.59	17.86	7.60	5.80	3.11	3.88	3.33	4.71	3.41
25	2.98	4.32	3.07	8.15	17.71	7.17	6.06	3.26	3.19	3.19	5.37	3.66
26	2.96	3.82	3.13	8.51	15.26	7.51	5.34	3.01	2.85	3.40	5.95	3.39
27	3.52	3.50	3.60	8.34	11.53	6.62	4.96	3.42	2.82	4.40	5.67	3.90
28	2.86	3.22	4.95	7.84	10.09	7.39	4.82	2.67	3.17	3.90	5.73	4.55
29	3.20	2.97	4.23	9.30	10.22	7.25	4.81	3.07	3.30	3.82	4.91	4.44
30	3.15	2.87	4.59	8.00	---	7.22	3.88	3.93	3.47	3.72	4.73	4.73
31	2.85	---	4.91	8.05	---	8.47	---	3.87	---	3.97	4.63	---
MEAN	3.23	3.24	4.16	6.88	9.99	8.88	6.08	3.65	4.22	3.63	4.21	4.14
MAX	4.49	4.32	5.21	9.61	17.99	11.94	8.28	4.71	7.05	4.44	5.95	5.98
MIN	2.45	2.58	2.92	4.32	4.88	6.15	3.88	2.67	2.82	2.80	2.70	2.98

WTR YR 1992

MEAN 5.18

MAX 17.99

MIN 2.45

APALACHICOLA RIVER BASIN

02352500 FLINT RIVER AT ALBANY, GA.--Continued

WATER-QUALITY RECORDS

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

REMARKS.--Laboratory chemical analyses 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 1991 TO SEPTEMBER 1992

DATE	TIME	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)
OCT 22...	0815	726	102	98	7.4	7.5	20.0	18.0	8.0	89
FEB 18...	1015	20500	75	74	6.8	6.9	13.5	15.5	10.6	103
JUN 16...	0915	1600	102	121	7.3	7.4	25.5	25.5	6.7	83
AUG 18...	0935	6230	100	97	7.2	7.5	27.0	29.0	7.4	94

DATE	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LITY WAT WH TOT FET LAB MG/L AS CACO3	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)
OCT 22...	25	7.0	0.8	20	32	0.400	0.050	0.040	4.0
FEB 18...	80	32	1.0	1800	18	0.450	<0.030	0.050	5.9
JUN 16...	35	10	1.2	330	31	0.460	0.060	0.070	2.0
AUG 18...	20	7.0	0.6	40	80	0.320	<0.030	0.070	4.0

APALACHICOLA RIVER BASIN

02352790 FLINT RIVER NEAR PUTNEY, GA.

LOCATION.--Lat 31°26'39", long 84°08'16", Dougherty County, Hydrologic Unit 03130008, at Plant Mitchell intake, 2.5 mi south of Putney, and at mile 90.8.

DRAINAGE AREA.--5,340 mi², approximately.

PERIOD OF RECORD.--August 1974 to current year.

PERIOD OF DAILY RECORD.--

WATER TEMPERATURES: July 1979 to June 1984.

REMARKS.--Flow regulated by powerplants at Flint River and Warwick Reservoirs (see remarks for station 02352500). Laboratory chemical analyses 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.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURES: Maximum recorded, 31.0°C July 15-18, 1980, July 26-29, 1981; minimum, 4.5°C Jan. 1-3, 1984.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	TIME	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)
OCT 24...	1515	1480	142	139	7.5	7.6	27.5	21.0	8.5	109
NOV 21...	1510	1190	150	153	7.6	7.6	19.0	27.0	7.9	87
DEC 19...	1500	2140	125	124	7.4	7.5	12.0	9.0	9.4	87
JAN 30...	1510	8490	88	89	7.2	7.1	11.0	11.5	11.0	101
FEB 20...	1440	23300	73	72	7.0	7.0	14.0	17.0	10.0	98
MAR 19...	1515	8430	88	83	7.3	7.1	16.0	28.0	9.2	95
APR 22...	1500	6670	100	95	7.2	7.2	22.0	29.0	7.8	90
MAY 21...	1325	2080	154	146	7.3	7.5	23.5	28.0	7.3	87
JUN 18...	1305	5180	110	103	7.3	7.5	27.0	29.0	7.3	93
JUL 23...	1330	2490	130	126	7.5	7.4	28.0	31.0	6.8	88
AUG 20...	1330	5140	100	86	7.3	7.3	28.0	28.0	6.8	88
SEP 24...	1335	2080	116	111	7.1	7.4	26.0	18.5	7.0	88

DATE	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	OXYGEN DEMAND, CHEM- ICAL (LOW LEVEL) (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LITY WAT WH TOT FET LAB MG/L AS CACO3	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDE (MG/L)
OCT 24...	30	6.0	—	0.8	50	45	5
NOV 21...	35	6.0	—	0.6	20	49	2
DEC 19...	40	6.0	—	—	50	38	2
JAN 30...	65	17	—	1.3	1700	24	8
FEB 20...	120	28	—	1.1	2300	19	9
MAR 19...	55	15	—	1.1	4900	26	5
APR 22...	40	9.0	—	0.5	330	31	3
MAY 21...	30	6.0	—	1.3	20	49	1
JUN 18...	30	11	—	1.0	140	31	4
JUL 23...	25	3.0	8	1.2	1700	41	3
AUG 20...	35	9.0	6	0.5	1100	11	6
SEP 24...	15	7.0	11	1.0	4900	35	4

APALACHICOLA RIVER BASIN

02352790 FLINT RIVER NEAR PUTNEY, GA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	NITRO- GEN, NO ₂ +NO ₃ TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 24...	0.560	0.090	-	-	-	0.130	3.3
NOV 21...	0.590	0.070	-	-	-	0.090	3.5
DEC 19...	0.500	0.030	-	-	-	0.150	4.1
JAN 30...	0.520	0.040	-	-	-	0.100	5.0
FEB 20...	0.430	0.050	-	-	-	0.070	6.2
MAR 19...	0.580	0.070	-	-	-	0.070	5.0
APR 22...	0.540	0.050	-	-	-	0.100	3.8
MAY 21...	0.670	0.150	-	-	-	0.120	3.0
JUN 18...	0.440	0.030	-	-	-	0.100	3.0
JUL 23...	0.510	0.070	0.23	0.30	0.81	0.060	4.0
AUG 20...	0.250	0.030	0.27	0.30	0.55	0.070	5.0
SEP 24...	0.360	0.050	0.25	0.30	0.66	0.100	4.6

APALACHICOLA RIVER BASIN

02353000 FLINT RIVER AT NEWTON, GA.
(National Stream-Quality Accounting Network station)

LOCATION.--Lat 31°18'34", long 84°20'06", Baker-Mitchell County line, Hydrologic Unit 03130008, on downstream side of pier of bridge on State Highway 37 at Newton, 1 mi downstream from Coolewahee Creek, and at mile 69.5.

DRAINAGE AREA.--5,740 mi², approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--April 1938 to September 1950 (monthly discharge only for October 1945 to September 1946, October 1947 to December 1948, published in WSP 1304), October 1956 to current year.

GAGE.--Water-stage recorder. Datum of gage is 110.20 ft above National Geodetic Vertical Datum of 1929 (levels by U.S. Army Corps of Engineers). Prior to Nov. 12, 1956, nonrecording gage at same site and datum.

REMARKS.--Records good. Flow regulated by powerplants at Flint River Reservoir since 1921, capacity, 7,500 acre-ft; and at Warwick Reservoir since 1930, capacity, about 35,000 acre-ft. Normal operation of powerplants does not materially affect figures of monthly runoff. Periods of monthly discharge only are not included in statistics computations.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharge greater than base discharge of 20,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Feb. 25	2200	*24,700	*19.04	No other peak greater than base discharge.			

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2100	2060	1940	4220	9140	14500	10600	3720	2660	2610	3320	4580
2	2390	1940	2390	4210	8530	12600	10200	4130	2930	3090	2930	4620
3	2800	2460	3510	4330	7280	12000	10100	3950	2780	4000	2710	3500
4	3400	2070	2990	4220	6720	11200	8420	3590	3160	3230	2990	3040
5	3550	3370	3860	4340	6470	9280	8700	3690	3150	4010	3040	3610
6	3090	2270	3670	5100	6240	9410	7890	3330	2970	2780	2540	3280
7	2780	1960	3910	5840	8910	12800	6690	3620	3190	2560	2190	3660
8	2640	1940	4540	4890	10100	14300	7420	3670	2730	3990	2060	4760
9	2420	2180	4420	5320	10200	14900	6720	3440	3330	3460	2000	5400
10	2790	2240	3870	5000	9440	15600	7990	2920	4670	3550	2650	5520
11	2370	2310	3870	4530	8450	15200	8600	3590	4710	3630	3560	5880
12	2260	2340	3670	4470	7370	14800	8530	3920	4860	2520	3460	5930
13	2270	2500	3330	4260	6120	14600	8430	4210	6180	2010	2210	4730
14	2390	2680	3530	8010	5250	13000	7860	2790	6350	3500	2040	3540
15	2090	2720	4010	9060	4990	12300	6900	2510	6320	3380	2040	4000
16	2650	2630	2970	9380	6020	10400	6250	2610	6210	2640	1970	2470
17	2410	2460	3870	10500	8860	9410	6590	2710	5810	2320	2250	2400
18	2180	2350	3590	11300	16700	8740	5470	3080	5440	2180	4240	2630
19	1980	2050	2870	11700	21500	8620	6250	2940	4700	2110	5430	2130
20	2590	1880	4590	9880	23100	11800	5020	3020	4170	2200	5840	2220
21	2870	1850	4930	7980	21500	13600	5260	2250	3930	2790	3780	2560
22	2400	1860	2760	6440	19100	13400	6310	2180	3000	3010	4480	2340
23	2200	2220	2290	7980	19400	12000	7100	2320	3350	2690	5180	2070
24	1820	2440	2230	8700	21700	10100	7170	2540	3340	2700	4880	2350
25	2330	2250	2040	9060	24100	9770	6040	2350	2970	2540	4030	2460
26	2310	3430	2120	10000	23800	9220	6190	2200	2490	2330	6020	2570
27	2230	3320	2280	10000	20300	9280	5410	2210	2220	2810	5920	3340
28	2440	2520	3270	9520	14800	8340	4890	2490	2140	3840	5370	4270
29	2150	2240	3760	10500	14100	9180	4610	2010	2410	3160	5830	4180
30	2280	2050	3600	10700	---	8940	4160	2540	2720	3090	4160	3840
31	2100	---	4110	9680	---	9620	---	3410	---	3120	4190	---
TOTAL	76280	70590	104790	231120	370190	358910	211770	93940	114890	91850	113310	107880
MEAN	2461	2353	3380	7455	12770	11580	7059	3030	3830	2963	3655	3596
MAX	3550	3430	4930	11700	24100	15600	10600	4210	6350	4010	6020	5930
MIN	1820	1850	1940	4210	4990	8340	4160	2010	2140	2010	1970	2070
CFSM	.43	.41	.59	1.30	2.22	2.02	1.23	.53	.67	.52	.64	.63
IN.	.49	.46	.68	1.50	2.40	2.33	1.37	.61	.74	.60	.73	.70

APALACHICOLA RIVER BASIN
02353000 FLINT RIVER AT NEWTON, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1938 - 1992, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	3183	3359	5421	8860	10920	13010	11030	6562	4889	4714	4173	3124
MAX	10440	6093	12470	18990	19270	25680	28750	14770	10300	9803	8194	5186
(WY)	1965	1958	1984	1964	1973	1966	1944	1964	1973	1989	1964	1964
MIN	1566	1881	2243	2768	3457	5322	3943	2222	2064	1144	1173	1611
(WY)	1988	1991	1991	1981	1989	1981	1986	1986	1988	1986	1986	1990

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1938 - 1992	
ANNUAL TOTAL	2528560		1945520		6538	
ANNUAL MEAN	6928		5316		10610	
HIGHEST ANNUAL MEAN					3647	
LOWEST ANNUAL MEAN					65800	
HIGHEST DAILY MEAN	35400	Mar 7	24100	Feb 25	840	Mar 9 1966
LOWEST DAILY MEAN	1820	Oct 24	1820	Oct 24	993	Oct 20 1940
ANNUAL SEVEN-DAY MINIMUM	2080	Nov 19	2080	Nov 19	66600	Aug 9 1986
INSTANTANEOUS PEAK FLOW			24700	Feb 25	34.90	Mar 9 1966
INSTANTANEOUS PEAK STAGE			19.04	Feb 25	790	Mar 9 1966
INSTANTANEOUS LOW FLOW			a1600	Oct 24, Nov 4	1.14	b
ANNUAL RUNOFF (CFSM)	1.21		.93		15.48	
ANNUAL RUNOFF (INCHES)	16.39		12.61		13100	
10 PERCENT EXCEEDS	12500		10300		4710	
50 PERCENT EXCEEDS	5830		3670		2190	
90 PERCENT EXCEEDS	2300		2200			

a Gage height, 4.11 ft.

b Oct 20 and Nov 10, 1940, due to regulation.

APALACHICOLA RIVER BASIN

02353000 FLINT RIVER AT NEWTON, GA.--Continued

WATER-QUALITY RECORDS

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

REMARKS.--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 1994.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	TIME	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)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CaCO3
NOV 07...	1300	2180	163	162	7.9	7.8	16.5	8.2	84	73	60
FEB 06...	1315	6090	110	114	7.4	7.4	12.0	10.0	95	39	32
MAR 26...	1330	9390	108	112	7.3	7.6	15.0	8.8	88	46	38
MAY 21...	1330	2180	140	146	7.7	7.8	24.0	7.3	86	63	52
JUL 30...	1230	3280	136	141	7.6	7.7	29.0	7.1	93	58	48
SEP 03...	1330	3450	128	129	7.4	7.5	28.0	6.8	86	58	48

DATE	ALKA-LINITY WAT.DIS FET LAB CaCO3 (MG/L)	TUR-BID-ITY (NTU)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP-TOCOC CI, KF AGAR (COLS. PER 100 ML)	HARD-NESS TOTAL (MG/L AS CaCO3)	CALCIUM DIS-SOLVED (MG/L AS Ca)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM AD-SORP-TION RATIO	POTAS-SIUM, DIS-SOLVED (MG/L AS K)
NOV 07...	64	4.4	K14	K27	60	22	1.3	8.6	23	0.5	1.4
FEB 06...	40	12	400	K1300	42	15	1.0	4.9	20	0.3	1.4
MAR 26...	39	9.8	K2400	48	42	15	1.2	5.3	21	0.4	1.2
MAY 21...	55	2.8	26	180	55	20	1.3	7.1	21	0.4	1.1
JUL 30...	52	2.4	K820	65	50	18	1.3	7.9	25	0.5	1.2
SEP 03...	46	6.4	61	69	42	15	1.2	8.6	30	0.6	1.8

DATE	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	SOLIDS, DIS-SOLVED (TONS PER DAY)	SOLIDS, DIS-SOLVED (TONS PER AC-FT)
NOV 07...	6.7	7.1	<0.10	8.4	93	93	547	0.13
FEB 06...	5.3	5.6	0.20	8.4	73	64	1200	0.10
MAR 26...	4.5	5.3	<0.10	7.0	63	65	1600	0.09
MAY 21...	5.7	6.1	<0.10	7.7	91	83	536	0.12
JUL 30...	6.7	6.4	<0.10	8.0	80	80	708	0.11
SEP 03...	8.3	6.2	<0.10	9.7	79	82	736	0.11

APALACHICOLA RIVER BASIN

02353000 FLINT RIVER AT NEWTON, GA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N)	NITRO- GEN, NO ₂ +NO ₃ TOTAL (MG/L AS N)	NITRO- GEN, NO ₂ +NO ₃ DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	PHOS- PHORUS DIS- SOLVED (MG/L AS P)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P)
NOV 07...	0.010	0.270	0.250	0.020	0.010	<0.010	0.38	0.40	0.030	<0.010	0.020
FEB 06...	<0.010	0.560	0.580	0.060	0.010	0.060	0.24	0.30	0.040	0.010	0.020
MAR 26...	0.010	0.620	0.630	0.040	0.010	0.040	0.96	1.0	0.060	0.010	0.010
MAY 21...	0.020	0.670	0.650	0.030	<0.010	0.030	0.17	0.20	0.050	0.030	0.010
JUL 30...	<0.010	0.500	0.510	0.020	<0.010	0.010	0.18	0.20	0.030	<0.010	<0.010
SEP 03...	<0.010	0.440	0.440	0.030	<0.010	0.030	0.17	0.20	0.020	0.040	0.010

DATE	ALUM- INUM, DIS- SOLVED (UG/L AS AL)	BARIUM, DIS- SOLVED (UG/L AS BA)	COBALT, DIS- SOLVED (UG/L AS CO)	IRON, DIS- SOLVED (UG/L AS FE)	LITHIUM DIS- SOLVED (UG/L AS LI)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)
NOV 07...	30	18	<3	270	<4	10
FEB 06...	90	19	<3	300	<4	23
MAR 26...	-	-	-	-	-	-
MAY 21...	40	19	<3	250	<4	11
JUL 30...	-	-	-	-	-	-
SEP 03...	50	18	<3	330	<4	11

DATE	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO)	NICKEL, DIS- SOLVED (UG/L AS NI)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	SILVER, DIS- SOLVED (UG/L AS AG)	STRON- TIUM, DIS- SOLVED (UG/L AS SR)	VANA- DIUM, DIS- SOLVED (UG/L AS V)
NOV 07...	<10	<1	<1	<1.0	34	<6
FEB 06...	<10	<1	<1	<1.0	25	<6
MAR 26...	-	-	-	-	-	-
MAY 21...	<10	<1	<1	<1.0	33	<6
JUL 30...	-	-	-	-	-	-
SEP 03...	<10	<1	<1	<1.0	31	<6

APALACHICOLA RIVER BASIN

02353000 FLINT RIVER AT NEWTON, GA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND	TEMPER- ATURE WATER (DEG C)	SEDI- MENT, SUS- PENDED (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (T/DAY)
OCT					
09...	1433	2170	20.0	5	29
09...	1438	2170	20.0	5	29
NOV					
07...	1305	2180	16.5	2	12
DEC					
06...	1244	3710	14.0	4	40
06...	1249	3710	14.0	3	30
JAN					
24...	1442	8880	9.5	19	456
24...	1447	8880	9.5	18	432
FEB					
06...	1320	6100	12.0	11	181
MAR					
09...	1322	15200	19.0	13	532
09...	1327	15200	19.0	12	491
26...	1335	9390	15.0	10	254
APR					
16...	1240	5970	21.0	4	64
16...	1245	5970	21.0	3	48
MAY					
21...	1335	2180	24.0	10	59
JUN					
01...	1331	2360	24.0	6	38
01...	1336	2360	24.0	7	45
JUL					
09...	1318	4110	30.0	6	67
09...	1323	4110	30.0	7	78
30...	1235	3280	29.0	8	71
AUG					
11...	0958	3980	29.5	5	54
SEP					
03...	1335	3460	28.0	8	75
15...	1235	4620	26.5	7	87
15...	1240	4620	26.5	5	62

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
NOV			
07...	1305	2180	96
FEB			
06...	1320	6100	80
MAR			
26...	1335	9390	88
MAY			
21...	1335	2180	88
JUL			
30...	1235	3280	84
SEP			
03...	1335	3460	92

APALACHICOLA RIVER BASIN

02353000 FLINT RIVER AT NEWTON, GA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND	BED MAT. SIEVE DIAM. % FINER THAN .062 MM	BED MAT. SIEVE DIAM. % FINER THAN .125 MM	BED MAT. SIEVE DIAM. % FINER THAN .250 MM	BED MAT. SIEVE DIAM. % FINER THAN .500 MM	BED MAT. SIEVE DIAM. % FINER THAN 1.00 MM	BED MAT. SIEVE DIAM. % FINER THAN 2.00 MM	BED MAT. SIEVE DIAM. % FINER THAN 4.00 MM	BED MAT. SIEVE DIAM. % FINER THAN 8.00 MM	BED MAT. SIEVE DIAM. % FINER THAN 16.0 MM
AUG											
29...	0940	6360	<1	3	11	16	27	68	90	97	100
29...	0941	6360	<1	<1	1	4	32	78	95	99	100
29...	0942	6360	<1	<1	3	24	49	84	98	100	100
29...	0943	6360	<1	1	4	28	59	92	100	100	100
SEP											
14...	0810	3340	<1	<1	<1	8	56	90	97	99	100
14...	0811	3340	1	4	6	8	25	93	100	100	100
14...	0812	3340	<1	2	5	31	69	94	100	100	100
14...	0813	3340	<1	1	6	32	51	82	97	99	100

APALACHICOLA RIVER BASIN

02353400 PACHITLA CREEK NEAR EDISON, GA.

LOCATION.--Lat 31°33'17", long 84°40'43", Calhoun County, Hydrologic Unit 03130009, on downstream side of bridge pier on State Highway 37, 2.2 mi upstream from Neals Creek, 3.6 mi east of Edison, and 8.5 mi upstream from mouth.

DRAINAGE AREA.--188 mi².

PERIOD OF RECORD.--Annual maximum, water years 1950-59 and occasional low-flow measurements, 1951-58, 1972-81. June 1959 to September 1971, March 1988 to current year.

REVISED RECORDS.--WDR GA-71-1: 1960 (M).

GAGE.--Water-stage recorder. Datum of gage is 212.64 ft above National Geodetic Vertical Datum of 1929. Mar. 17, 1949 to Mar. 16, 1955, crest-stage at same site and datum. Mar. 17, 1955 to June 9, 1959, crest-stage gage at site 200 ft downstream at same datum.

REMARKS.--Records good.

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. 14	1300	*1,600	*6.82	Feb. 24	1400	1,410	6.65
Feb. 18	2100	1,330	6.57				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	105	126	151	151	325	326	398	153	131	116	89	94
2	110	127	155	155	251	307	334	155	115	153	80	85
3	116	128	186	175	221	296	286	149	130	194	74	80
4	120	127	359	177	209	289	267	136	271	138	73	85
5	122	130	459	161	215	295	253	128	348	112	68	126
6	123	129	241	153	488	657	232	118	203	92	66	282
7	124	132	172	148	848	942	231	122	147	86	164	275
8	113	133	163	143	742	747	294	129	123	78	183	178
9	109	132	163	149	447	526	283	127	215	80	127	145
10	108	133	186	183	317	437	259	115	343	80	124	124
11	109	132	240	169	262	570	247	106	345	77	101	110
12	107	131	198	146	239	623	224	116	244	73	89	100
13	106	129	168	774	228	431	208	113	296	80	89	92
14	103	131	166	1480	226	347	219	119	279	78	106	86
15	124	132	176	1110	313	323	213	112	319	71	119	80
16	232	133	175	701	888	305	204	99	310	75	112	77
17	291	134	154	399	1200	289	196	99	253	93	103	77
18	158	136	147	286	1210	283	190	109	183	142	98	77
19	133	138	145	546	1150	635	187	102	151	179	101	75
20	126	141	141	811	798	980	208	91	138	136	183	74
21	123	142	141	639	545	809	305	85	116	128	265	75
22	122	192	144	390	415	510	472	82	100	140	272	74
23	125	300	151	394	607	394	401	81	93	134	191	73
24	128	243	169	563	1270	348	250	76	86	131	236	78
25	133	164	176	520	964	326	210	77	80	117	170	82
26	132	148	157	334	644	377	181	75	75	99	133	85
27	130	144	149	262	519	401	168	85	84	87	133	110
28	133	142	161	269	414	321	161	99	93	83	150	232
29	129	143	198	371	353	289	159	110	86	93	152	252
30	126	145	185	400	---	315	155	162	89	110	122	150
31	127	---	161	364	---	411	---	174	---	99	105	---
TOTAL	4047	4397	5737	12523	16308	14109	7395	3504	5446	3354	4078	3533
MEAN	131	147	185	404	562	455	246	113	182	108	132	118
MAX	291	300	459	1480	1270	980	472	174	348	194	272	282
MIN	103	126	141	143	209	283	155	75	75	71	66	73
CFSM	.69	.78	.98	2.15	2.99	2.42	1.31	.60	.97	.58	.70	.63
IN.	.80	.87	1.14	2.48	3.23	2.79	1.46	.69	1.08	.66	.81	.70

APALACHICOLA RIVER BASIN

02353400 PACHITLA CREEK NEAR EDISON, GA.—Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1959 - 1992, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	152	161	240	372	374	395	318	202	202	214	154	129
MAX	372	273	706	708	563	776	679	533	445	465	313	229
(WY)	1965	1990	1965	1962	1966	1966	1960	1971	1965	1989	1991	1969
MIN	48.1	111	114	128	157	205	127	92.1	53.3	104	62.0	52.4
(WY)	1969	1991	1989	1989	1968	1989	1968	1968	1988	1968	1988	1968

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1959 - 1992	
ANNUAL TOTAL	99101		84431			
ANNUAL MEAN	272		231		245	
HIGHEST ANNUAL MEAN					369	
LOWEST ANNUAL MEAN					139	
HIGHEST DAILY MEAN	3340		1480		9060	
LOWEST DAILY MEAN	74		66		33	
ANNUAL SEVEN-DAY MINIMUM	78		75		36	
INSTANTANEOUS PEAK FLOW			1600		Not Determined	
INSTANTANEOUS PEAK STAGE			6.82		10.34	
INSTANTANEOUS LOW FLOW			64		32	
ANNUAL RUNOFF (CFSM)	1.44		1.23		1.30	
ANNUAL RUNOFF (INCHES)	19.61		16.71		17.70	
10 PERCENT EXCEEDS	520		440		455	
50 PERCENT EXCEEDS	186		151		162	
90 PERCENT EXCEEDS	114		85		80	

APALACHICOLA RIVER BASIN

02353500 ICHAWAYNOCHAWAY CREEK AT MILFORD, GA.

LOCATION.--Lat 31°22'58", long 84°32'52", Baker County, Hydrologic Unit 03130009, on downstream end of left bank pier of bridge on State Highway 216 at Milford, 2.2 mi upstream from Alligator Creek, and 5.5 mi upstream from Chickasawhatchee Creek.

DRAINAGE AREA.--620 mi², approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--September 1905 to December 1907, October 1939 to current year. GAGE.--Water-stage recorder. Datum of gage is 150.3 ft above National Geodetic Vertical Datum of 1929 (levels by Georgia Department of Transportation). Aug. 29, 1905 to Dec. 31, 1907, nonrecording gage at several sites within 450 ft of present site at various datums. Oct. 1, 1939 to Nov. 10, 1941, nonrecording gage at site 100 ft downstream at present datum.

REMARKS.--Records good. Discharges during growing season affected by undetermined amount of irrigation withdrawal. Moderate diurnal fluctuation at low flow.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in July 1916 reached a stage of 17.2 ft, from information by local resident, discharge, 15,500 ft³/s.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 3,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Jan. 16	0100	3,220	6.34	Feb. 26	1600	3,770	7.16
Feb. 19	1400	*5,760	*9.58				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	271	316	354	507	1240	1490	1280	481	412	310	225	258
2	270	310	360	471	1170	1320	1210	466	385	389	213	225
3	279	310	378	466	1050	1220	1180	458	348	451	193	207
4	289	314	476	494	939	1140	1120	440	450	481	171	204
5	296	322	620	505	880	1100	947	404	599	441	164	213
6	309	332	717	490	1170	1630	816	383	646	373	172	278
7	309	338	708	467	1600	2160	803	379	533	309	278	444
8	313	346	610	447	1860	2590	806	380	427	276	513	574
9	315	347	530	432	2000	2720	841	380	425	248	436	462
10	295	350	488	435	1820	2610	835	373	674	239	376	375
11	285	351	506	476	1510	2280	799	357	837	242	335	313
12	281	351	554	485	1220	2040	765	340	937	227	289	282
13	277	350	548	712	1020	1790	746	328	892	204	257	264
14	271	344	506	1530	942	1690	747	319	786	215	265	249
15	280	341	485	2740	952	1510	719	313	767	223	284	228
16	370	349	479	2950	1350	1330	683	303	831	231	303	210
17	460	352	482	2260	1920	1110	648	288	752	234	303	199
18	483	356	462	1750	3450	1040	624	285	616	267	278	196
19	392	356	436	1560	5580	1280	602	287	496	371	257	194
20	345	359	419	1620	4970	2090	597	272	435	430	257	194
21	325	360	409	1750	3620	2730	715	255	396	375	353	189
22	315	382	405	1760	2700	2580	950	235	378	329	499	185
23	311	460	409	1610	2310	2280	1060	228	356	311	560	187
24	312	538	435	1520	2630	1750	1060	224	314	307	444	188
25	315	550	468	1460	3080	1400	943	211	278	341	452	192
26	320	482	473	1420	3630	1240	777	211	253	319	414	202
27	321	415	451	1290	3140	1220	616	204	282	273	337	426
28	320	372	448	1200	2300	1210	554	235	366	233	316	653
29	321	355	490	1200	1710	1150	522	271	352	222	335	702
30	315	351	538	1240	---	1100	494	302	311	226	343	746
31	314	---	540	1280	---	1230	---	372	---	239	305	---
TOTAL	9879	11059	15184	36527	61763	52030	24459	9984	15534	9336	9927	9239
MEAN	319	369	490	1178	2130	1678	815	322	518	301	320	308
MAX	483	550	717	2950	5580	2730	1280	481	937	481	560	746
MIN	270	310	354	432	880	1040	494	204	253	204	164	185
CFSM	.51	.59	.79	1.90	3.44	2.71	1.31	.52	.84	.49	.52	.50
IN.	.59	.66	.91	2.19	3.71	3.12	1.47	.60	.93	.56	.60	.55

APALACHICOLA RIVER BASIN

02353500 ICHAWAYNOCHAWAY CREEK AT MILFORD, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1905 - 1992, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	437	481	801	1093	1259	1348	1118	722	569	596	502	410
MAX	1359	1461	2547	2383	2891	3073	3094	1871	1837	1767	1270	804
(WY)	1965	1948	1949	1964	1973	1966	1944	1971	1906	1948	1948	1946
MIN	141	215	241	304	414	315	374	208	147	96.6	140	145
(WY)	1969	1956	1956	1956	1989	1955	1968	1986	1988	1986	1986	1954

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1905 - 1992	
ANNUAL TOTAL	287235		264921			
ANNUAL MEAN	787		724		773	
HIGHEST ANNUAL MEAN					1391	
LOWEST ANNUAL MEAN					340	
HIGHEST DAILY MEAN	9500		5580		11600	
LOWEST DAILY MEAN	218		164		48	
ANNUAL SEVEN-DAY MINIMUM	233		190		54	
INSTANTANEOUS PEAK FLOW			5760		11900	
INSTANTANEOUS PEAK STAGE			9.58		15.08	
INSTANTANEOUS LOW FLOW			158		45	
ANNUAL RUNOFF (CFSM)	1.27		1.17		1.25	
ANNUAL RUNOFF (INCHES)	17.23		15.90		16.94	
10 PERCENT EXCEEDS	1350		1620		1530	
50 PERCENT EXCEEDS	599		435		547	
90 PERCENT EXCEEDS	302		235		242	

APALACHICOLA RIVER BASIN

02353500 ICHAWAYNOCHAWAY CREEK AT MILFORD, GA.--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 1970 to current year.

REMARKS.--Laboratory analyses are provided by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determinations of Discharge, Specific Conductance, pH, Water Temperature, and Dissolved Oxygen are by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	TIME	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)
NOV 19...	1400	356	63	63	7.2	7.1	16.5	27.0	9.1	94
JAN 28...	1440	1200	32	32	6.8	6.1	11.0	10.0	10.0	92
MAR 17...	1525	1100	31	31	6.9	6.8	12.0	24.0	9.7	91
MAY 19...	1215	287	86	79	7.2	7.3	23.0	32.0	7.1	84
JUL 21...	1320	375	70	70	7.2	7.1	26.5	31.0	7.2	91
SEP 22...	1350	186	83	80	7.3	7.1	26.0	30.0	7.7	97

DATE	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LINITY WAT WH TOT FET LAB MG/L AS CACO3	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)
NOV 19...	40	9.0	0.5	90	17	0.700	<0.030	0.040	4.3
JAN 28...	50	7.0	2.2	230	4	0.640	0.040	0.050	3.7
MAR 17...	45	11	0.4	70	6	0.520	0.040	0.060	5.0
MAY 19...	50	11	0.8	20	29	0.860	<0.030	0.070	2.0
JUL 21...	110	11	1.7	<20	21	0.560	<0.030	<0.020	5.0
SEP 22...	70	7.0	0.9	140	28	0.780	<0.030	0.030	3.3

APALACHICOLA RIVER BASIN

02356000 FLINT RIVER AT BAINBRIDGE, GA.

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

DRAINAGE AREA.--7,570 mi², approximately.

PERIOD OF RECORD.--Discharge: October 1907 to December 1913, October 1928 to September 1971. Gage-height records collected at same site since 1904 are contained in reports of National Weather Service.

Chemical analyses: February 1968 to September 1973.

Annual peaks: Water years 1972-76, 1978-88.

Continuous gage-height record: August 1977 to current year.

GAGE.--Water-stage recorder. Datum of gage is 58.06 ft above National Geodetic Vertical Datum of 1929. Prior to Dec. 31, 1913, nonrecording gage at same site at datum 0.3 ft higher. Oct. 1, 1928 to Jan. 14, 1929, nonrecording gage at present site and datum. Auxiliary water-stage recorder at site 6.4 mi upstream Jan. 15, 1957 to September 1971.

REMARKS.--Flow regulated by powerplants at Flint River Reservoir since 1921, capacity, 7,500 acre-ft; and at Warwick Reservoir since 1930, capacity, about 35,000 acre-ft. Normal operation of powerplants does not materially affect figures of monthly runoff.

AVERAGE DISCHARGE.--49 years (water years 1908-13, 1929-71), 8,740 ft³/s, 15.68 in./yr.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known since at least 1893, 40.9 ft, present datum, Jan. 24, 1925, discharge 101,000 ft³/s, from rating curve extended above 70,000 ft³/s on basis of slope-conveyance studies.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 29,600 ft³/s, Feb. 26, gage height, 23.98 ft.

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	18.11	18.51	18.61	18.86	20.22	21.40	20.24	18.82	18.88	18.60	18.93	18.96
2	18.15	18.53	18.47	19.19	19.88	20.99	20.45	18.68	19.05	18.89	18.76	19.07
3	18.38	18.40	18.66	19.51	19.58	20.67	20.62	18.44	19.20	19.16	18.63	19.16
4	18.62	18.30	18.85	19.50	19.33	20.55	20.53	18.16	19.52	19.28	18.66	19.20
5	18.90	18.30	18.85	19.04	19.39	20.36	20.11	18.22	19.54	19.09	18.65	19.22
6	18.53	18.40	18.98	18.71	19.54	20.40	19.89	18.33	19.39	18.95	18.59	18.95
7	18.09	18.38	19.00	18.93	20.12	21.07	19.65	18.62	19.13	18.94	18.53	18.70
8	17.98	18.42	18.88	19.09	20.48	21.62	19.67	18.90	19.00	19.04	18.64	19.08
9	18.31	18.56	18.79	19.25	20.48	21.83	19.70	19.02	19.14	19.15	18.45	19.45
10	18.64	18.54	18.94	19.44	20.30	21.89	19.89	19.01	19.34	19.15	18.40	19.26
11	18.90	18.44	19.05	19.41	20.05	21.65	20.06	18.89	19.54	19.10	18.64	19.52
12	18.99	18.48	19.16	18.98	19.81	21.49	20.06	18.98	19.49	18.82	18.82	19.71
13	18.49	18.55	19.29	18.82	19.54	21.50	19.94	19.10	19.73	18.50	19.02	19.43
14	18.03	18.65	19.31	19.58	19.35	21.39	19.94	19.07	19.69	18.44	18.91	19.09
15	18.05	18.75	18.88	19.82	19.36	20.95	19.84	19.03	19.81	18.51	18.72	19.04
16	18.21	18.79	18.56	20.24	19.21	20.47	19.71	19.02	19.69	18.53	18.45	19.05
17	18.51	18.67	18.51	20.40	19.67	19.99	19.61	18.83	19.59	18.54	18.45	19.04
18	18.75	18.61	18.56	20.53	20.84	19.87	19.56	18.66	19.63	18.50	18.64	19.23
19	18.91	18.67	18.44	20.28	22.24	19.89	19.41	18.66	19.63	18.26	19.03	19.31
20	18.60	18.60	18.49	20.20	23.24	20.60	19.23	18.68	19.44	18.14	19.26	19.07
21	18.29	18.61	18.83	20.03	23.51	21.18	19.32	18.73	19.15	18.27	19.50	18.91
22	18.38	18.78	18.49	19.73	23.11	21.39	19.34	18.76	18.83	18.45	19.40	18.92
23	18.48	18.84	18.10	19.51	22.72	21.29	19.56	18.75	18.68	18.63	19.26	18.90
24	18.56	18.81	18.20	19.67	22.87	21.01	19.66	18.80	18.61	18.80	19.12	18.90
25	18.64	18.55	18.36	19.81	23.42	20.71	19.67	18.78	18.58	18.87	19.35	19.07
26	18.71	18.61	18.50	19.73	23.87	20.44	19.50	18.69	18.55	18.72	19.49	19.25
27	18.54	18.69	18.80	19.59	23.69	20.23	19.25	18.66	18.61	18.58	19.69	19.12
28	18.45	18.75	19.08	19.65	22.73	19.89	19.13	18.75	18.33	18.69	19.78	19.13
29	18.33	18.79	18.78	19.78	21.81	19.48	19.02	18.95	18.12	18.76	19.78	19.33
30	18.35	18.79	18.40	20.16	--	19.56	18.97	19.09	18.33	18.84	19.37	19.41
31	18.47	--	18.58	20.23	--	19.80	--	19.00	--	18.89	19.04	--
MEAN	18.46	18.59	18.72	19.60	21.05	20.76	19.72	18.78	19.14	18.74	18.97	19.15
MAX	18.99	18.84	19.31	20.53	23.87	21.89	20.62	19.10	19.81	19.28	19.78	19.71
MIN	17.98	18.30	18.10	18.71	19.21	19.48	18.97	18.16	18.12	18.14	18.40	18.70
CAL YR 1991	MEAN 19.66		MAX 26.49		MIN 17.86							
WTR YR 1992	MEAN 19.30		MAX 23.87		MIN 17.98							

APALACHICOLA RIVER BASIN

02356015 FLINT RIVER BELOW BAINBRIDGE, GA.

LOCATION.--Lat 30°53'34", long 84°36'38", Decatur County, Hydrologic Unit 03130008, at Bainbridge, 0.8 mi downstream from State Docks, and at mile 26.5.

DRAINAGE AREA.--7,570 mi², approximately.

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

REMARKS.--Laboratory chemical analyses 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 1991 TO SEPTEMBER 1992

DATE	TIME	GAGE HEIGHT (FEET)	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)
OCT 24...	1230	18.52	158	156	7.6	7.8	22.0	27.0	8.1	93
NOV 21...	1245	18.55	162	163	—	7.8	20.0	26.0	9.2	103
DEC 19...	1145	18.31	142	141	7.4	7.6	13.0	9.0	8.5	80
JAN 30...	1145	20.17	95	98	7.1	7.2	11.0	11.0	10.4	95
FEB 20...	1155	23.26	73	72	7.0	7.0	14.0	18.0	8.9	87
MAR 19...	1220	19.81	132	121	7.2	7.5	16.5	29.0	8.8	92
APR 22...	1130	19.29	160	148	7.4	7.4	21.0	26.0	7.7	87
MAY 21...	1005	18.75	165	151	7.7	7.8	23.5	27.5	7.2	85
JUN 18...	1025	19.64	134	121	7.4	7.6	25.0	30.0	6.4	78
JUL 23...	1020	18.57	165	161	7.7	7.8	27.5	31.0	7.5	96
AUG 20...	1050	19.21	140	135	7.3	7.5	26.0	28.0	6.6	82
SEP 24...	1055	18.87	162	155	7.2	7.7	26.0	20.0	7.2	90

DATE	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	OXYGEN DEMAND, CHEM- ICAL (LOW LEVEL) (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LINITY WAT WH TOT FET LAB MG/L AS CACO3	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L)
OCT 24...	15	3.0	<5	0.8	80	56	3
NOV 21...	25	5.0	<5	0.6	50	60	2
DEC 19...	30	6.0	7	—	20	49	5
JAN 30...	70	23	14	1.4	7000	26	14
FEB 20...	140	44	15	1.5	3300	21	24
MAR 19...	50	14	13	1.3	3300	47	6
APR 22...	25	6.0	9	0.7	220	55	4
MAY 21...	20	4.0	6	1.3	80	61	2
JUN 18...	30	12	9	1.5	360	42	9
JUL 23...	10	3.0	—	1.9	50	62	4
AUG 20...	40	5.0	—	0.9	230	47	—
SEP 24...	20	3.0	—	0.7	<20	64	3

APALACHICOLA RIVER BASIN
02356015 FLINT RIVER BELOW BAINBRIDGE, GA.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	NITRO- GEN, NO ₂ +NO ₃ TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 24...	0.980	0.160	0.24	0.40	1.4	0.120	2.1
NOV 21...	1.00	0.120	—	—	—	<0.020	3.1
DEC 19...	0.840	0.140	—	—	—	0.130	3.8
JAN 30...	0.720	0.220	0.48	0.70	1.4	0.100	5.3
FEB 20...	0.460	0.080	0.32	0.40	0.86	0.080	7.8
MAR 19...	1.22	0.460	0.14	0.60	1.8	0.100	4.4
APR 22...	1.84	0.340	0.06	0.40	2.2	0.140	2.8
MAY 21...	1.00	0.100	0.10	0.20	1.2	0.090	2.0
JUN 18...	1.14	0.480	0.32	0.80	1.9	0.100	3.0
JUL 23...	0.950	0.060	—	—	—	0.020	2.0
AUG 20...	0.700	0.100	—	—	—	0.070	3.0
SEP 24...	0.880	0.060	—	—	—	0.080	3.0

APALACHICOLA RIVER BASIN

02357000 SPRING CREEK NEAR IRON CITY, GA.

LOCATION.--Lat 31°02'23", long 84°44'18", Decatur County, Hydrologic Unit 03130010, on right bank 25 ft downstream from county bridge, 1.5 mi downstream from Aycock Creek, 1.5 mi upstream from Dry Creek, 5.0 mi north of Brinson, and 5.5 mi northeast of Iron City.

DRAINAGE AREA.--485 mi², approximately.

PERIOD OF RECORD.--November 1920 to June 1921, June 1937 to April 1971, water years 1972-76 (annual maximum), December 1976 to September 1978, June 1982 to current year. Monthly discharge only for November 1920 to June 1921, published in WSP 1304.

REVISED RECORDS.--WDR GA-91-1: 1983-84.

GAGE.--Water-stage recorder. Datum of gage is 85.7 ft above National Geodetic Vertical Datum of 1929. Oct. 21, 1920 to June 30, 1921, nonrecording gage at site 125 ft upstream at different datum, June 11, 1937 to Oct. 17, 1952, nonrecording gage at site 125 ft upstream at present datum, Oct. 18, 1952 to April 1971, recording gage at same site and datum as present, May 1971 to Dec. 1976, nonrecording gage at same site and datum as present.

REMARKS.--Records good. Discharges during growing season affected by undetermined amount of irrigation withdrawal.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges above base of 2,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Feb. 9	2300	2,410	12.36	Mar. 8	0400	*6,940	*16.74
Feb. 20	2000	5,470	15.68	Mar. 23	0300	2,610	12.70
Feb. 26	1000	4,690	15.04				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	125	74	72	85	1130	2010	1220	361	172	178	240	126
2	125	74	71	85	1200	1680	1290	341	182	223	253	116
3	130	73	75	84	1110	1440	1220	318	178	270	241	108
4	132	72	83	84	1010	1280	1100	301	204	297	208	102
5	131	72	94	84	931	1180	968	281	228	315	177	112
6	129	73	105	84	980	1600	865	261	288	288	158	138
7	123	72	111	83	1180	4700	801	245	317	244	154	169
8	119	71	118	79	1800	6720	762	236	338	215	160	202
9	115	70	118	77	2280	5480	726	225	339	192	198	214
10	112	71	113	74	2290	4070	698	215	416	172	197	199
11	109	70	103	72	1880	3170	672	204	430	153	181	167
12	105	69	100	71	1440	2690	651	190	422	138	162	143
13	100	67	97	104	1180	2350	620	175	434	125	147	125
14	96	65	94	226	1060	2100	633	165	446	115	147	113
15	94	64	91	284	997	1860	657	156	438	110	150	104
16	91	63	91	431	1000	1560	593	147	419	112	160	96
17	89	63	89	757	1210	1350	546	140	376	122	166	90
18	92	62	85	1120	1980	1210	508	134	356	124	165	86
19	93	62	81	992	3830	1250	481	127	337	143	192	83
20	92	63	78	776	5300	1570	465	118	335	185	201	79
21	91	63	76	679	5040	1980	474	109	299	181	178	76
22	87	69	75	697	3820	2330	555	100	252	177	186	73
23	85	74	75	854	3070	2490	786	90	217	197	196	70
24	84	79	75	970	3510	1970	874	82	188	205	190	69
25	82	83	77	941	4290	1590	785	77	170	196	169	74
26	80	80	77	881	4620	1480	637	74	165	174	158	77
27	79	79	77	838	3970	1400	517	71	146	156	155	81
28	78	78	82	875	3110	1270	452	81	141	149	150	103
29	77	75	86	892	2500	1150	412	108	152	150	145	306
30	75	73	87	898	---	1080	383	138	201	156	141	583
31	75	---	87	984	---	1100	---	165	---	186	135	---
TOTAL	3095	2123	2743	15161	67718	67110	21351	5435	8586	5648	5460	4084
MEAN	99.8	70.8	88.5	489	2335	2165	712	175	286	182	176	136
MAX	132	83	118	1120	5300	6720	1290	361	446	315	253	583
MIN	75	62	71	71	931	1080	383	71	141	110	135	69
CFSM	.21	.15	.18	1.01	4.81	4.46	1.47	.36	.59	.38	.36	.28
IN.	.24	.16	.21	1.16	5.19	5.15	1.64	.42	.66	.43	.42	.31

APALACHICOLA RIVER BASIN

02357000 SPRING CREEK NEAR IRON CITY, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1937 - 1992, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	196	181	373	691	921	1233	875	442	304	285	275	200
MAX	1364	1042	2101	2251	2515	3315	2577	2165	1325	1194	1291	1133
(WY)	1958	1948	1949	1946	1983	1948	1944	1946	1989	1989	1939	1937
MIN	10.8	14.0	24.0	42.8	108	78.6	186	70.6	29.7	10.5	9.12	17.5
(WY)	1955	1955	1955	1955	1951	1955	1968	1986	1986	1986	1986	1990

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1937 - 1992	
ANNUAL TOTAL	238617		208514		493	
ANNUAL MEAN	654		570		1096	
HIGHEST ANNUAL MEAN					98.8	
LOWEST ANNUAL MEAN					12500	
HIGHEST DAILY MEAN	8760	Mar 5	6720	Mar 8	5.1	Jan 28 1978
LOWEST DAILY MEAN	27	Jan 1	62	Nov 18	5.5	Aug 14 1986
ANNUAL SEVEN-DAY MINIMUM	36	Jan 1	63	Nov 15	a17700	Aug 13 1986
INSTANTANEOUS PEAK FLOW			6940	Mar 8	19.90	Apr 12 1975
INSTANTANEOUS PEAK STAGE			16.74	Mar 8	5.0	Apr 2 1948
INSTANTANEOUS LOW FLOW			62	Nov 18, 19	1.02	b
ANNUAL RUNOFF (CFSM)	1.35		1.17		13.81	
ANNUAL RUNOFF (INCHES)	18.30		15.99		1190	
10 PERCENT EXCEEDS	1260		1450		236	
50 PERCENT EXCEEDS	467		171		54	
90 PERCENT EXCEEDS	74		75			

a Gage height, 19.43 ft.

b Aug 14, 15, 18, and 19, 1986 and Aug 22, 23, 1990.

LAKES IN APALACHICOLA RIVER BASIN

02334400 LAKE SIDNEY LANIER NEAR BUFORD, GA.

LOCATION.--Lat 34°04'30", long 84°04'20", Forsyth County, Hydrologic Unit 03130001, at forebay of dam on Chattahoochee River, 2.5 mi upstream from bridge on State Highway 20, 4.5 mi northwest of Buford, Ga., and at mile 348.3.

DRAINAGE AREA.--1,040 mi², approximately.

PERIOD OF RECORD.--January 1956 to current year.

GAGE.--Water-stage recorder. Datum of gage is at National Geodetic Vertical Datum of 1929 (levels by U.S. Army Corps of Engineers).

REMARKS.--Lake is formed by a rolled-fill earth dam. Storage began in January 1956; dam completed in June 1957. Usable capacity, 1,686,000 acre-ft between elevations 1,035 ft and 1,085 ft. Dead storage, 868,000 acre-ft. Lake is used for flood control and power. Records furnished by U.S. Army Corps of Engineers.

EXTREMES FOR PERIOD OF RECORD: Maximum contents, 2,205,200 acre-ft Apr. 14, 1964, elevation, 1,077.20 ft; minimum, after beginning operation, 1,329,300 acre-ft Dec. 23, 24, 1981, elevation, 1,052.66 ft.

EXTREMES FOR CURRENT YEAR: Maximum contents, 1,983,700 acre-ft Mar. 30, elevation, 1,071.73 ft; minimum, 1,645,900 acre-ft Nov. 21, elevation, 1,062.50 ft.

MONTHEND ELEVATION AND CONTENTS AT 2400, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

Date	Elevation (feet)	Contents (acre-feet)	Change in contents (equivalent in cubic (acre-feet) feet per second)	
			(acre-feet)	feet per second)
Sept. 30.....	1068.96	1877700	-	-
Oct. 31.....	1063.70	1687500	-190200	-3093
Nov. 30.....	1063.24	1671400	-16100	-271
Dec. 31.....	1064.67	1721500	+50100	+815
CAL YR 1991	-	-	+128500	+177
Jan. 31.....	1066.17	1775200	+53700	+873
Feb. 29.....	1069.41	1894700	+119500	+2077
Mar. 31.....	1071.56	1977000	+82300	+1338
Apr. 30.....	1071.41	1971200	-5800	-97
May 31.....	1070.12	1921600	-49600	-807
June 30.....	1070.69	1943300	+21700	+365
July 31.....	1068.80	1871800	-71500	-1163
Aug. 31.....	1069.20	1886700	+14900	+242
Sept. 30.....	1069.92	1914000	+27300	+459
WTR YR 1992	-	-	+36300	+50

LAKES IN APALACHICOLA RIVER BASIN--Continued

02339400 WEST POINT LAKE NEAR WEST POINT, GA.

LOCATION.--Lat 32°55'05", long 85°11'17", Troup County, Hydrologic Unit 03130002, at forebay of dam on Chattahoochee River, 2.3 mi upstream from Osellgee Creek, 3.0 mi north of West Point, Ga., 3.2 mi upstream from bridge on U.S. Highway 29, and at mile 201.4.

DRAINAGE AREA, 3,440 mi², approximately.

PERIOD OF RECORD.--October 1974 to current year.

GAGE.--Water-stage recorder. Datum of gage is at National Geodetic Vertical Datum of 1929 (levels by U.S. Army Corps of Engineers).

REMARKS.--Lake is formed by concrete gravity dam with earth dikes at either side. Spillway (crest elevation, 597 ft) is equipped with six tainter gates 50 ft wide by 41 ft high. Storage began Oct. 16, 1974; lake reached maximum power pool, 635 ft, on June 10, 1975. Total capacity at elevation, 641 ft; maximum flood control pool, 774,800 acre-ft. Capacity at elevation, 635 ft, maximum power pool, 604,500 acre-ft. Dead storage below elevation 620 ft, minimum power pool, 298,400 acre-ft. Lake is used for flood control and power. Records furnished by U.S. Army Corps of Engineers.

EXTREMES FOR PERIOD OF RECORD: Maximum contents, 690,700 acre-ft April 16, 1979, elevation, 638.17 ft; minimum, since first filling, 295,200 acre-ft, Nov. 8, 1985, elevation, 619.80 ft.

EXTREMES FOR CURRENT YEAR: Maximum contents, 561,100 acre-ft Sept. 8, elevation, 636.27 ft; minimum, 322,200 acre-ft Jan. 26, elevation, 624.49 ft.

MONTHEND ELEVATION AND CONTENTS AT 2400, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

Date	Elevation (feet)	Contents (acre-feet)	Change in contents (equivalent in cubic feet per second)	
			(acre-feet)	
Sept. 30.....	633.75	501700	-	-
Oct. 31.....	627.72	378400	-123300	-2005
Nov. 30.....	628.80	398600	+20200	+339
Dec. 31.....	624.49	322200	-76400	-1243
CAL YR 1991	-	-	+19200	+27
Jan. 31.....	627.94	382400	+60200	+979
Feb. 29.....	629.78	417700	+35300	+614
Mar. 31.....	631.98	462900	+45200	+735
Apr. 30.....	633.60	498300	+35400	+595
May 31.....	633.71	500800	+2500	+41
June 30.....	634.39	516300	+15500	+260
July 31.....	633.82	503300	-13000	-211
Aug. 31.....	635.70	547200	+43900	+714
Sept. 30.....	633.49	495900	-51300	-862
WTR YR 1992	-	-	-5800	-8

LAKES IN APALACHICOLA RIVER BASIN--Continued

02341000 LAKE HARDING NEAR COLUMBUS, GA.

LOCATION.--Lat 32°39'46", long 85°05'27", Harris County, Hydrologic Unit 03130002, at forebay of dam on Chattahoochee River, 3.3 mi upstream from Mulberry Creek, 15 mi northwest of Columbus, Ga., and at mile 178.0.

DRAINAGE AREA.--4,240 mi², approximately.

PERIOD OF RECORD.--October 1929 to current year.

GAGE.--Water-stage recorder. Datum of gage is at National Geodetic Vertical Datum of 1929 (levels by Georgia Power Company).

REMARKS.--Reservoir is formed by concrete gravity dam with earth fill abutments. Spillway (crest elevation, 500.0 ft) is equipped with 19 tainter gates 25 ft wide by 21 ft high and two trash gates 11 ft wide by 9 ft high. Storage began in 1926; water in reservoir first reached minimum pool elevation in 1926. Total capacity at elevation 521.0 ft, top of gates, is 181,000 acre-ft, of which 136,000 acre-ft is usable storage. Reservoir is used for power development. Capacity curve and month-end elevations furnished by Georgia Power Company.

MONTHEND ELEVATION AND CONTENTS, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

Date	Elevation (feet)*	Contents (acre-feet)	Change in contents (equivalent in cubic feet per second)	
			(acre-feet)	
Sept. 30.....	520.2	176000	-	-
Oct. 31.....	515.5	150000	-26000	-423
Nov. 30.....	520.1	176000	+26000	+437
Dec. 31.....	520.4	177000	+1000	+16
CAL YR 1991	-	-	0	0
Jan. 31.....	520.2	176000	-1000	-16
Feb. 29.....	520.2	176000	0	0
Mar. 31.....	519.7	173000	-3000	-49
Apr. 30.....	520.4	177000	+4000	+67
May 31.....	520.2	176000	-1000	-16
June 30.....	520.6	179000	+3000	+50
July 31.....	520.6	179000	0	0
Aug. 31.....	520.2	176000	-3000	-49
Sept. 30.....	520.1	176000	0	0
WTR YR 1992	-	-	0	0

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

LAKES IN APALACHICOLA RIVER BASIN--Continued

02343240 WALTER F. GEORGE LAKE NEAR FORT GAINES, GA.

LOCATION.--Lat 31°37'27", long 85°04'03", Clay County, Hydrologic Unit 03130003, at forebay of dam on Chattahoochee River, 1.6 mi upstream from bridge on State Highway 37, 1 mi north of Ft. Gaines, Ga., and at mile 75.0.

DRAINAGE AREA.--7,460 mi², approximately.

PERIOD OF RECORD.--May 1962 to current year.

GAGE.--Water-stage recorder. Datum of gage is at National Geodetic Vertical Datum of 1929 (levels by U.S. Army Corps of Engineers).

REMARKS.--Reservoir is formed by concrete gravity dam and navigation lock with earth dikes on either side. The nonoverflow section at the dam includes a powerhouse. Filling began in May 1962. Power operations commenced on Mar. 13, 1963. The spillway (crest elevation, 163.0 ft) is equipped with 14 tainter gates 42 ft wide by 29 ft high. Total capacity at elevation 190.0 ft, full summer pool, 934,400 acre-ft, of which 244,400 acre-ft between elevations 190.0 and 184.0 ft, minimum pool, is controlled storage. Lake is used for navigation and power. Records furnished by U.S. Army Corps of Engineers.

EXTREMES FOR PERIOD OF RECORD: Maximum contents, 1,160,900 acre-ft Mar. 19, 1990, elevation, 194.60 ft; minimum, after first filling, 660,400 acre-ft Apr. 23, 1965, elevation, 183.17 ft.

EXTREMES FOR CURRENT YEAR: Maximum contents, 928,300 acre-ft Jan. 26, elevation, 189.86 ft; minimum, 762,600 acre-ft Jan. 9, elevation, 185.92 ft.

MONTHEND ELEVATION AND CONTENTS AT 2400, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

Date	Elevation (feet)	Contents (acre-feet)	Change in contents (equivalent in cubic feet per second)	
			(acre-feet)	
Sept. 30.....	185.79	757600	-	-
Oct. 31.....	187.37	820900	+63300	+1029
Nov. 30.....	188.65	875000	+54100	+909
Dec. 31.....	186.78	796800	-78200	-1272
CAL YR 1991	-	-	+16300	+23
Jan. 31.....	188.83	882700	+85900	+1397
Feb. 29.....	189.49	911800	+29100	+506
Mar. 31.....	188.56	871100	-40700	-662
Apr. 30.....	189.25	901100	+30000	+504
May 31.....	187.38	821400	-79700	-1296
June 30.....	187.60	830500	+9100	+153
July 31.....	188.20	855700	+25200	+410
Aug. 31.....	189.64	918500	+62800	+1021
Sept. 30.....	187.06	808100	-110400	-1855
WTR YR 1992	-	-	+50500	+70

LAKES IN APALACHICOLA RIVER BASIN--Continued

02357500 LAKE SEMINOLE NEAR CHATTAHOOCHEE, FL.

LOCATION.--Lat 30°42'33", long 84°51'45", Gadsden County, Fla., Hydrologic Unit 03130004, on right upstream lock wall of Jim Woodruff

Dam on Chattahoochee River, 0.6 mi upstream from bridge on U.S. Highway 90, and 1.5 mi northwest of Chattahoochee, Fla.

DRAINAGE AREA.--17,100 mi², approximately.

PERIOD OF RECORD.--October 1954 to current year. Prior to October 1959, published as Jim Woodruff Reservoir at Chattahoochee.

REVISIONS.--WSP 1554: 1955-57.

GAGE.--Water-stage recorder. Datum of gage is at National Geodetic Vertical Datum of 1929 (levels by U.S. Army Corps of Engineers).

Prior to July 22, 1957, non-recording gage at same site at datum 53.96 ft higher; gage readings have been reduced to elevation above mean sea level.

REMARKS.--Lake is formed by earthfill dam with concrete fixed-crest spillway, a center channel spillway with 16 vertical lift gates 40 ft long by 30.5 ft high, and a side channel navigation lock 82 ft wide. Gates closed on May 20, 1954; filling of pool accomplished in several stages between that date and Feb. 4, 1957, when the pool first reached normal operating level, 77.0 ft. Total capacity at elevation 77.0 ft, normal pool, is 367,300 acre-ft, of which 36,170 acre-ft between elevations 77.0 and 76.0 ft is used for pondage. Lake is used for navigation and power. Records furnished by U.S. Army Corps of Engineers.

EXTREMES FOR PERIOD OF RECORD: Maximum contents, 433,000 acre-ft Apr. 7, 8, 1960, elevation, 78.66 ft; minimum after Feb. 4, 1957, 272,100 acre-ft Nov. 27, 1978, elevation 74.18.

EXTREMES FOR CURRENT YEAR: Maximum contents 397,300 acre-ft Mar. 9, elevation, 77.77 ft; minimum, 334,400 acre-ft May 4, elevation 76.09 ft.

MONTHEND ELEVATION AND CONTENTS AT 2400, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

Date	Elevation (feet)	Contents (acre-feet)	Change in contents (equivalent in cubic feet per second)	
			(acre-feet)	
Sept. 30.....	76.25	340100	-	-
Oct. 31.....	76.57	351700	+11600	+189
Nov. 30.....	76.83	361100	+9400	+158
Dec. 31.....	76.81	360400	-700	-11
CAL YR 1991	-	-	+10800	+15
Jan. 31.....	77.51	387100	+26700	+434
Feb. 29.....	77.26	377400	-9700	-169
Mar. 31.....	77.06	369600	-7800	-127
Apr. 30.....	76.77	359000	-10600	-178
May 31.....	76.97	366200	+7200	+117
June 30.....	76.47	348100	-18100	-304
July 31.....	76.96	365800	+17700	+288
Aug. 31.....	76.94	365100	-700	-11
Sept. 30.....	77.42	383600	+18500	+311
WTR YR 1992	-	-	+43500	+60

MOBILE RIVER BASIN

02379500 CARTECAY RIVER NEAR ELLIJAY, GA.

LOCATION.--Lat 34°40'53", long 84°27'20", Gilmer County, Hydrologic Unit 03150102, on right bank adjacent to State Highway 52, 0.8 mi downstream from Owl Town Creek, 2 mi upstream from confluence with Ellijay River, and 2 mi southeast of Ellijay.

DRAINAGE AREA.--134 mi².

PERIOD OF RECORD.--September 1972 to May 1974 and July 1991 to current year.

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

REMARKS.--Laboratory analyses 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-discharge records for the water years 1937-77 are published in reports of the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	TIME	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)
NOV 18...	0600	130	22	21	6.8	6.5	12.0	12.5	9.5	92
JAN 13...	0630	220	22	21	7.4	6.6	8.0	11.0	15.2	135
FEB 25...	0630	320	23	21	7.2	6.7	12.0	10.5	9.8	95
MAR 24...	0630	625	24	21	--	6.6	8.0	-1.0	12.0	105
MAY 26...	0515	210	23	20	--	6.8	17.0	12.5	8.0	87
JUL 28...	0530	215	26	22	7.5	6.7	22.0	21.0	7.3	88
SEP 29...	0510	180	30	23	7.4	6.8	18.0	15.0	7.2	79

DATE	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	HARD- NESS TOTAL (MG/L AS CaCO3)	ALKA- LINITY WAT WH TOT FET LAB MG/L AS CaCO3	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)
NOV 18...	1.0	0.8	280	4	4	0.100	<0.030	0.050	1.2
JAN 13...	2.0	--	130	10	6	0.240	<0.030	0.120	1.2
FEB 25...	9.0	0.8	110	6	7	0.240	<0.030	0.080	2.4
MAR 24...	12	0.5	1700	8	8	0.280	<0.030	0.070	3.0
MAY 26...	7.0	0.6	310	4	8	0.180	<0.030	0.060	1.4
JUL 28...	7.0	0.9	2300	4	6	0.180	0.030	0.050	2.0
SEP 29...	5.0	0.7	490	4	10	0.180	<0.030	0.060	1.6

MOBILE RIVER BASIN

02380500 COOSAWATTEE RIVER NEAR ELLIJAY, GA.

LOCATION.--Lat 34°40'18", long 84°30'31", Gilmer County, Hydrologic Unit 03150102, on right bank 0.5 mi downstream from State Highway 5, 2 mi southwest of Ellijay, and 2.2 mi downstream from confluence of Cartecay and Ellijay Rivers.

DRAINAGE AREA.--236 mi².

PERIOD OF RECORD.--October 1938 to December 1949, June 1963 to current year. Occasional low-flow measurements 1959, 1961-62.

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

GAGE.--Water-stage recorder. Datum of gage is 1,216.04 ft above National Geodetic Vertical Datum of 1929. Prior to June 10, 1940, nonrecording gage at site 0.5 mi upstream at datum 8.04 ft higher.

REMARKS.--Records good.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known since at least 1938, 20.7 ft, Mar. 19, 1951, from floodmark.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 3,500 ft³/s, and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
July 2	1300	*4,430	*6.25	No other peak greater than base discharge.			

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	231	247	343	510	391	737	799	534	351	469	316	317
2	229	295	719	480	378	666	752	520	345	2650	271	356
3	228	236	1580	778	369	620	717	506	405	2060	249	388
4	223	220	977	656	361	583	694	486	729	1310	241	457
5	222	214	613	572	360	561	662	479	664	927	237	528
6	219	213	495	526	355	663	638	471	463	824	234	419
7	208	213	440	489	346	755	645	500	416	589	240	425
8	208	217	408	460	337	622	629	567	577	494	238	382
9	208	218	461	455	327	568	606	571	710	452	231	389
10	207	214	709	439	321	1220	590	492	611	423	233	349
11	208	210	521	415	318	918	649	461	554	414	226	326
12	204	205	462	405	317	736	617	447	893	391	222	301
13	199	205	430	437	329	662	578	443	821	370	780	292
14	197	204	665	469	341	614	559	434	717	360	501	283
15	217	202	569	421	1140	579	615	424	621	364	352	279
16	221	202	489	397	847	550	581	413	552	375	322	270
17	202	202	442	381	630	531	550	404	498	380	348	265
18	199	202	410	377	612	717	538	396	465	456	462	271
19	198	209	382	368	585	1920	545	393	489	369	338	306
20	197	223	365	359	518	1230	700	455	438	334	305	293
21	195	803	358	355	472	947	1540	403	416	317	394	335
22	195	1550	364	352	449	1120	1160	382	398	313	517	398
23	197	671	532	1180	811	1980	819	371	386	322	479	415
24	197	440	819	910	796	1200	713	370	379	307	372	325
25	195	359	553	631	1600	1030	662	373	372	298	326	289
26	194	319	472	537	2580	1050	616	367	421	297	303	295
27	191	298	439	484	1400	928	592	363	390	306	329	330
28	189	286	794	474	1070	846	581	359	366	321	1320	307
29	187	278	896	444	858	800	564	377	357	280	653	286
30	183	277	665	423	---	886	552	385	375	265	415	267
31	184	---	563	408	---	898	---	370	---	283	353	---
TOTAL	6332	9632	17935	15592	19218	27137	20463	13516	15179	17320	11807	10143
MEAN	204	321	579	503	663	875	682	436	506	559	381	338
MAX	231	1550	1580	1180	2580	1980	1540	571	893	2650	1320	528
MIN	183	202	343	352	317	531	538	359	345	265	222	265
CFSM	.87	1.36	2.45	2.13	2.81	3.71	2.89	1.85	2.14	2.37	1.61	1.43
IN.	1.00	1.52	2.83	2.46	3.03	4.28	3.23	2.13	2.39	2.73	1.86	1.60

MOBILE RIVER BASIN

02380500 COOSAWATTEE RIVER NEAR ELLIJAY, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 1992, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	266	335	455	645	790	855	757	620	475	404	329	259
MAX	765	880	968	1351	2148	1953	1441	1283	1052	871	851	483
(WY)	1965	1978	1968	1947	1990	1990	1977	1973	1973	1976	1967	1967
MIN	107	144	176	188	231	280	263	204	119	117	105	129
(WY)	1988	1988	1989	1981	1941	1988	1986	1986	1988	1988	1988	1987

SUMMARY STATISTICS

FOR 1991 CALENDAR YEAR

FOR 1992 WATER YEAR

WATER YEARS 1939 - 1992

ANNUAL TOTAL	213323		184274			
ANNUAL MEAN	584		503		514	
HIGHEST ANNUAL MEAN					835	1990
LOWEST ANNUAL MEAN					207	1988
HIGHEST DAILY MEAN	3320	Feb 20	2650	Jul 2	9870	Feb 16 1990
LOWEST DAILY MEAN	183	Oct 30	183	Oct 30	69	Sep 2 1988
ANNUAL SEVEN-DAY MINIMUM	189	Oct 25	189	Oct 25	75	Aug 28 1988
INSTANTANEOUS PEAK FLOW			4430	Jul 2	17000	Oct 4 1964
INSTANTANEOUS PEAK STAGE			6.25	Jul 2	17.63	Oct 4 1964
INSTANTANEOUS LOW FLOW			179	Oct 30	65	Sep 3 1988
ANNUAL RUNOFF (CFSM)	2.48		2.13		2.18	
ANNUAL RUNOFF (INCHES)	33.63		29.05		29.57	
10 PERCENT EXCEEDS	961		822		925	
50 PERCENT EXCEEDS	518		415		392	
90 PERCENT EXCEEDS	216		216		186	

MOBILE RIVER BASIN

02381600 FAUSETT CREEK NEAR TALKING ROCK, GA.

LOCATION.--Lat 34°34'13", long 84°28'08", Gilmer County, Hydrologic Unit 03150102, on right bank 25 ft upstream from culvert on County Road 1011, 3.6 mi upstream from mouth, and 4.5 mi northeast of Talking Rock.

DRAINAGE AREA.--9.99 mi².

PERIOD OF RECORD.--Annual maximum, water years 1966-74, October 1974 to current year.

GAGE.--Water-stage recorder. Datum of gage is 1,311.14 ft above National Geodetic Vertical Datum of 1929 (leveling by global positioning system equipment).

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

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 300 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Feb. 26	0200	326	3.86	July 2	0830	*936	*6.98

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.7	9.6	8.4	11	10	22	24	15	9.5	14	8.5	8.8
2	6.7	7.4	12	11	9.9	21	22	15	9.3	179	7.9	15
3	6.8	6.6	48	22	9.7	19	22	14	13	e48	7.6	12
4	6.6	6.4	17	16	9.6	19	21	14	27	e25	7.4	24
5	6.7	6.4	12	14	9.6	18	20	14	17	e18	7.3	17
6	6.3	6.4	11	12	9.4	24	19	14	12	e18	7.5	12
7	6.4	6.4	9.7	11	9.3	29	20	16	11	e17	7.5	15
8	6.5	6.4	9.1	11	9.0	22	19	18	13	e13	7.4	13
9	6.5	6.4	18	11	8.6	21	18	17	15	e12	7.2	12
10	6.5	6.4	20	10	8.5	e63	18	14	13	e11	7.0	10
11	6.5	6.0	14	9.7	8.5	e32	20	13	13	e11	6.7	9.5
12	6.3	6.0	12	9.5	8.5	25	19	13	14	e11	7.2	9.0
13	6.2	6.0	11	11	8.8	21	17	13	13	e11	50	8.7
14	6.2	6.0	22	10	8.9	20	17	13	13	11	13	8.7
15	7.7	6.0	14	9.4	58	18	17	12	17	11	9.9	8.6
16	6.6	6.0	12	9.0	27	17	17	12	14	11	10	8.2
17	6.4	6.0	11	8.9	23	17	16	11	12	11	10	8.2
18	6.4	6.0	10	9.0	20	32	16	11	17	13	9.3	8.7
19	6.4	6.2	9.4	8.6	18	51	20	11	20	10	8.3	8.7
20	6.4	6.4	9.0	8.5	15	33	23	11	13	9.8	7.9	8.4
21	6.4	35	9.0	8.5	15	26	58	11	11	9.6	11	11
22	6.1	45	9.0	8.5	14	59	34	10	10	9.5	9.8	13
23	6.0	14	14	41	23	88	25	9.9	9.7	9.5	8.8	10
24	6.0	10	18	21	18	40	22	10	9.3	9.5	7.9	8.5
25	6.0	8.7	13	15	79	33	21	10	9.4	9.0	7.5	8.0
26	6.0	8.1	11	13	122	33	19	10	10	8.9	7.3	8.8
27	6.0	7.7	11	12	45	28	18	9.9	9.6	9.8	14	9.3
28	6.0	7.5	24	13	32	25	17	9.9	8.7	9.5	50	8.9
29	5.9	7.2	19	12	26	24	16	11	8.5	8.5	14	8.2
30	5.8	7.2	14	11	---	29	16	10	14	8.2	10	7.7
31	6.0	---	12	11	---	26	---	9.8	---	9.0	9.2	---
TOTAL	197.0	279.4	443.6	388.6	663.3	935	631	382.5	386.0	565.8	357.1	318.9
MEAN	6.35	9.31	14.3	12.5	22.9	30.2	21.0	12.3	12.9	18.3	11.5	10.6
MAX	7.7	45	48	41	122	88	58	18	27	179	50	24
MIN	5.8	6.0	8.4	8.5	8.5	17	16	9.8	8.5	8.2	6.7	7.7
CFSM	.64	.93	1.43	1.25	2.29	3.02	2.11	1.24	1.29	1.83	1.15	1.06
IN.	.73	1.04	1.65	1.45	2.47	3.48	2.35	1.42	1.44	2.11	1.33	1.19

e Estimated

MOBILE RIVER BASIN

02381600 FAUSETT CREEK NEAR TALKING ROCK, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1975 - 1992, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	8.76	12.5	15.3	21.6	29.4	34.4	29.3	21.1	14.6	11.9	9.38	8.19
MAX	19.5	29.7	35.7	42.2	129	78.3	61.9	47.1	28.5	24.7	15.3	19.0
(WY)	1990	1978	1984	1990	1990	1980	1979	1984	1989	1976	1989	1989
MIN	3.10	4.92	6.14	6.00	9.52	9.48	8.67	5.65	2.92	3.47	2.76	3.08
(WY)	1988	1988	1989	1981	1988	1988	1986	1986	1988	1988	1988	1987

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1975 - 1992	
ANNUAL TOTAL	6558.1		5548.2		18.0	
ANNUAL MEAN	18.0		15.2		32.9	
HIGHEST ANNUAL MEAN					7.15	
LOWEST ANNUAL MEAN					831	
HIGHEST DAILY MEAN	183	May 5	179	Jul 2	Feb 16 1990	
LOWEST DAILY MEAN	5.8	Oct 30	5.8	Oct 30	1.1	
ANNUAL SEVEN-DAY MINIMUM	6.0	Oct 24	6.0	Oct 24	1.2	
INSTANTANEOUS PEAK FLOW			936	Jul 2	3160	
INSTANTANEOUS PEAK STAGE			6.98	Jul 2	a16.96	
INSTANTANEOUS LOW FLOW			5.6	b	1.1	
ANNUAL RUNOFF (CFSM)	1.80		1.52		1.80	
ANNUAL RUNOFF (INCHES)	24.42		20.66		24.46	
10 PERCENT EXCEEDS	31		25		32	
50 PERCENT EXCEEDS	13		11		12	
90 PERCENT EXCEEDS	6.4		6.4		5.2	

a From floodmarks.

b Oct 29, 30 and Nov 19.

MOBILE RIVER BASIN

02382200 TALKING ROCK CREEK NEAR HINTON, GA.

LOCATION.--Lat 34°31'22", long 84°36'40", Pickens County, Hydrologic Unit 03150102, on left bank, 300 ft downstream from Scarecorn Creek, and 3.3 mi northwest of Hinton.

DRAINAGE AREA.--119 mi².

PERIOD OF RECORD.--November 1973 to current year.

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

GAGE.--Water-stage recorder. Datum of gage is 893.69 ft above National Geodetic Vertical Datum of 1929 (levelling by global positioning system equipment).

REMARKS.--Records good.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of May 28, 1973, reached a stage of 15.45 ft, from floodmarks; discharge 18,400 ft³/s from rating curve extended above 3,100 ft³/s on basis of slope-area measurements of gage heights 8.66 and 15.45 ft.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 2,500 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
July 2	1145	3,800	6.97	No other peak greater than base discharge.			

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	70	82	96	153	110	201	228	168	98	158	85	92
2	69	92	153	147	105	182	212	162	95	1530	71	104
3	67	67	566	384	103	171	201	157	113	622	65	122
4	66	62	279	261	101	164	195	149	246	352	62	222
5	66	61	179	206	100	157	185	145	213	185	60	211
6	64	61	148	177	95	190	179	143	133	169	58	150
7	62	61	131	160	93	301	187	157	111	164	60	126
8	62	62	121	147	90	201	182	183	126	134	59	117
9	62	62	153	143	87	178	173	198	192	117	56	107
10	63	61	267	135	85	651	167	156	167	108	56	106
11	62	61	182	126	83	367	192	146	131	110	55	96
12	63	61	155	123	84	265	202	140	180	99	56	89
13	62	60	141	128	86	223	185	139	157	101	719	85
14	62	60	216	136	87	199	172	133	148	112	221	82
15	69	60	182	121	585	185	171	128	134	99	126	81
16	70	60	155	113	338	170	167	122	127	102	125	77
17	64	60	140	111	249	163	166	120	131	104	119	76
18	63	59	131	112	226	230	163	118	113	130	126	77
19	62	67	118	108	196	858	162	117	271	103	100	84
20	61	65	112	106	166	453	217	119	136	90	91	82
21	61	426	109	105	148	308	867	116	123	83	118	250
22	61	809	109	105	138	403	517	109	106	94	150	146
23	61	248	124	434	262	1080	306	104	101	96	144	136
24	61	158	243	286	235	467	249	102	97	90	112	100
25	60	128	169	192	882	348	229	102	97	85	95	87
26	59	115	143	159	1320	346	206	105	121	80	89	91
27	58	106	133	142	468	284	195	100	122	84	93	109
28	58	98	321	139	309	248	187	97	101	90	737	100
29	57	94	306	129	242	229	179	105	95	76	208	92
30	56	93	211	122	---	265	173	111	97	70	127	83
31	55	---	173	116	---	259	---	106	---	79	103	---
TOTAL	1936	3559	5666	5026	7073	9746	6814	4057	4082	5516	4346	3380
MEAN	62.5	119	183	162	244	314	227	131	136	178	140	113
MAX	70	809	566	434	1320	1080	867	198	271	1530	737	250
MIN	55	59	96	105	83	157	162	97	95	70	55	76
CFSM	.52	1.00	1.54	1.36	2.05	2.64	1.91	1.10	1.14	1.50	1.18	.95
IN.	.61	1.11	1.77	1.57	2.21	3.05	2.13	1.27	1.28	1.72	1.36	1.06

MOBILE RIVER BASIN

02382200 TALKING ROCK CREEK NEAR HINTON, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1974 - 1992, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	93.3	132	180	258	309	373	312	223	155	121	90.6	82.2
MAX	260	344	439	500	895	964	697	455	322	264	188	178
(WY)	1990	1978	1984	1974	1990	1980	1979	1984	1989	1984	1984	1989
MIN	20.7	36.1	49.8	70.5	100	89.8	75.5	53.5	23.5	26.2	21.4	23.5
(WY)	1988	1988	1989	1981	1988	1988	1986	1988	1988	1988	1988	1987

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1974 - 1992	
ANNUAL TOTAL	70273		61201			
ANNUAL MEAN	193		167		190	
HIGHEST ANNUAL MEAN					323	
LOWEST ANNUAL MEAN					62.7	
HIGHEST DAILY MEAN	1850	Mar 29	1530	Jul 2	6890	Mar 4 1979
LOWEST DAILY MEAN	55	Oct 31	55	Oct 31, Aug 11	6.1	Jul 11 1988
ANNUAL SEVEN-DAY MINIMUM	58	Oct 25	57	Aug 6	9.7	Aug 31 1987
INSTANTANEOUS PEAK FLOW			3800	Jul 2	14100	Mar 4 1979
INSTANTANEOUS PEAK STAGE			6.97	Jul 2	14.18	Mar 4 1979
INSTANTANEOUS LOW FLOW			49	Aug 12	5.7	Jul 11,12 1988
ANNUAL RUNOFF (CFSM)	1.62		1.41		1.60	
ANNUAL RUNOFF (INCHES)	21.97		19.13		21.72	
10 PERCENT EXCEEDS	327		268		355	
50 PERCENT EXCEEDS	140		123		127	
90 PERCENT EXCEEDS	63		62		47	

MOBILE RIVER BASIN

02382500 COOSAWATTEE RIVER AT CARTERS, GA.

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

DRAINAGE AREA.--521 mi².

PERIOD OF RECORD.--September 1896 to December 1908, October 1918 to September 1923, October 1961 to September 1972, October 1974 to current year. Monthly discharge only for October to November 1918 published in WSP 1304.

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

GAGE.--Water-stage recorder. Datum of gage is 650.67 ft above National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to September 1923, nonrecording gage at site 0.2 mi upstream at datum 2.00 ft higher.

REMARKS.--Records good. Flow regulated by Carters Lake and Carters re-regulation dam since November 1974. (See "Lakes and Reservoirs in Mobile River Basin," stations 02381400 and 02382400.) Records of chemical analyses for the water years 1968-74 are published in reports of the U.S. Geological Survey.

AVERAGE DISCHARGE.--45 years (water years 1897-1908, 1919-23, 1962-71, 1975-92), 1,185 ft³/s, 30.88 in/yr, adjusted for storage since 1975.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Mar. 29 or 30, 1951, reached a stage of about 36 ft, from floodmarks; discharge 57,000 ft³/s, from rating curve extended above 24,000 ft³/s.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	734	735	378	873	1160	2950	2110	1500	673	734	341	1130
2	717	736	436	882	765	2790	1780	1510	824	854	308	1010
3	726	713	576	889	711	2780	1460	1400	836	1530	448	968
4	734	732	764	861	730	2510	1420	1260	769	2150	653	987
5	733	763	1030	830	626	1820	1420	840	841	2190	899	942
6	710	772	1020	822	561	1110	1530	775	901	2560	971	899
7	695	780	971	835	581	1010	1720	780	881	2700	991	1330
8	706	873	953	845	578	1000	1840	561	804	2690	847	1610
9	718	943	835	854	555	1010	1830	399	1020	2060	614	1630
10	727	954	703	862	581	1200	1640	390	1230	1710	637	1640
11	738	936	721	839	715	1760	883	457	1280	1210	686	1490
12	735	953	684	796	774	2540	674	649	1310	659	706	747
13	709	956	544	815	785	2530	781	903	1290	660	748	449
14	693	953	406	862	794	1750	921	930	1190	680	827	427
15	706	970	395	908	918	1550	907	949	1460	781	833	420
16	718	1180	407	928	998	1350	843	977	2250	979	765	410
17	727	1190	428	940	1040	1290	719	950	2220	909	726	406
18	735	1270	440	918	1270	1360	739	949	1960	776	942	403
19	737	1250	434	847	1470	1740	716	1050	1760	622	1000	393
20	711	1190	548	819	1460	2020	842	950	1510	414	1040	415
21	698	1080	553	801	1390	1890	1350	837	1220	406	990	397
22	709	1010	556	821	1000	1710	2070	616	1220	353	978	403
23	723	1160	585	852	962	2320	2460	490	1390	354	937	419
24	728	1180	741	1160	1120	2710	2220	480	1370	346	946	481
25	734	837	839	1530	1700	2810	1920	455	885	240	979	446
26	730	710	954	1470	1900	3030	1790	463	642	281	988	437
27	704	725	1010	1790	2000	2860	1740	460	617	269	875	422
28	688	724	1040	2140	2250	2070	1900	468	556	285	867	548
29	702	725	1170	2030	2830	1450	1260	479	568	303	1360	688
30	713	572	1410	2000	---	1570	1150	501	658	361	1280	699
31	723	---	1200	1860	---	2160	---	492	---	369	1200	---
TOTAL	22261	27572	22731	33679	32224	60650	42635	23920	34135	30435	26382	22646
MEAN	718	919	733	1086	1111	1956	1421	772	1138	982	851	755
MAX	738	1270	1410	2140	2830	3030	2460	1510	2250	2700	1360	1640
MIN	688	572	378	796	555	1000	674	390	556	240	308	393
MEAN†	424	685	1190	1096	1470	1899	1387	857	984	984	835	637
CFSM†	.81	1.31	2.28	2.10	2.82	3.64	2.66	1.64	1.89	1.89	1.60	1.22
IN.†	.94	1.46	2.63	2.42	3.04	4.19	2.96	1.89	2.10	2.17	1.84	1.36

† Adjusted for change in contents in Carters Lake and Carters Re-regulation Dam.

MOBILE RIVER BASIN

02382500 COOSAWATTEE RIVER AT CARTERS, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1975 - 1992, BY WATER YEAR (WY) (SINCE REGULATION)

MEAN	643	794	967	1260	1418	1842	1714	1252	969	840	707	601
MAX	1852	2008	2211	2384	4651	4861	4004	2217	1573	2247	1219	871
(WY)	1990	1978	1983	1978	1990	1990	1977	1984	1989	1976	1984	1990
MIN	260	267	289	309	594	369	530	407	330	328	323	339
(WY)	1979	1982	1989	1988	1988	1988	1986	1986	1988	1988	1981	1988

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1975 - 1992	
ANNUAL TOTAL	417998		379270			
ANNUAL MEAN	1145	†1194	1036	†1036	1082	†1111
HIGHEST ANNUAL MEAN					1945	1990
LOWEST ANNUAL MEAN					399	1988
HIGHEST DAILY MEAN	4420	Apr 2	3030	Mar 26	6580	Feb 16 1990
LOWEST DAILY MEAN	378	Dec 1	240	Jul 25	122	Nov 15 1974
ANNUAL SEVEN-DAY MINIMUM	436	Dec 13	297	Jul 23	172	Nov 13 1974
INSTANTANEOUS PEAK FLOW			3540	Sep 24	8370	Feb 16 1990
INSTANTANEOUS PEAK STAGE			9.92	Sep 24	18.94	Feb 16 1990
ANNUAL RUNOFF (CFSM)	2.20	†2.29	1.99	†1.99	2.08	†2.13
ANNUAL RUNOFF (INCHES)	29.85	†31.12	27.08	†27.08	28.22	†28.96
10 PERCENT EXCEEDS	1930		1890		2200	
50 PERCENT EXCEEDS	936		862		808	
90 PERCENT EXCEEDS	606		444		323	

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1896 - 1972, BY WATER YEAR (WY) (PRIOR TO REGULATION)

MEAN	627	685	1208	1421	1907	2137	1855	1410	1054	903	887	645
MAX	2159	2142	2979	2961	3449	4288	4409	2412	1955	1507	3033	1759
(WY)	1899	1907	1962	1922	1899	1964	1920	1923	1923	1906	1920	1901
MIN	187	215	374	566	600	699	323	566	459	408	350	220
(WY)	1905	1905	1966	1966	1898	1898	1904	1898	1898	1904	1902	1904

SUMMARY STATISTICS WATER YEARS 1896 - 1972

ANNUAL MEAN	1226	
HIGHEST ANNUAL MEAN	1948	1920
LOWEST ANNUAL MEAN	571	1904
HIGHEST DAILY MEAN	21300	Mar 26 1964
LOWEST DAILY MEAN	173	Sep 19 1896
ANNUAL SEVEN-DAY MINIMUM	184	a
INSTANTANEOUS PEAK FLOW	b28500	Nov 19 1906
INSTANTANEOUS PEAK STAGE	c30.60	Nov 19 1906
ANNUAL RUNOFF (CFSM)	2.35	
ANNUAL RUNOFF (INCHES)	31.96	
10 PERCENT EXCEEDS	2210	
50 PERCENT EXCEEDS	888	
90 PERCENT EXCEEDS	377	

† Adjusted for change in contents in Carters Lake and Carters Re-regulation Dam.

a Oct 9-28 and Nov 11-15, 1904.

b Observed.

c Present datum.

MOBILE RIVER BASIN

02383500 COOSAWATTEE RIVER NEAR PINE CHAPEL, GA.

LOCATION.--Lat 34°33'51", long 84°49'59", Gordon County, Hydrologic Unit 03150102, on right bank at downstream side of Owens Bridge on Owens Gin Road, 1.4 mi downstream from Sallacoa Creek, 8.7 mi upstream from confluence with Conasauga River, and 2.4 mi east of Pine Chapel.

DRAINAGE AREA.--831 mi².

PERIOD OF RECORD.--October 1938 to current year. Prior to October 1976, published as Coosawattee River at Pine Chapel, Ga. Monthly discharge only for October to November 1938, published in WSP 1304.

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

GAGE.--Water-stage recorder. Datum of gage is 616.16 above ft National Geodetic Vertical Datum of 1929 (levels by U.S. Army Corps of Engineers). Since October 1, 1976, auxiliary water-stage recorder at highway bridge 2.2 mi downstream. Prior to Feb. 23, 1940, nonrecording gage at current auxiliary gage site and same datum. Feb. 23, 1940, to April 8, 1975, water-station recorder at current auxiliary gage site and same datum. Feb. 23, 1940, to April 8, 1975 auxiliary water-stage recorder at current gage site. April 9, 1975, to Sept. 30, 1976, water-stage recorder on Oostanaula River at Resaca used as auxiliary gage, due to bridge construction.

REMARKS.--Records good, except those for the periods of estimated daily discharges, which are fair. Flow regulated by Carters Lake and Carters Re-regulation Dam. (See "Lakes and Reservoirs in Mobile River Basin," stations 02381400 and 02382400. Periods of monthly discharge only are not included in statistics computations.

AVERAGE DISCHARGE.--53 years, 1,499 ft³/s, 24.49 in/yr, unadjusted.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Apr. 8, 1938, reached a stage of 30.0 ft from gage reading at current auxiliary gage discharge 34,000 ft³/s.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	881	874	634	1430	1790	3750	2960	1670	697	872	503	1480
2	827	925	919	1340	1180	3540	2470	1800	943	1220	456	1250
3	837	887	1930	3470	1050	3420	2010	1700	993	1660	471	1270
4	845	848	2140	3050	1030	3240	1920	1580	1210	2410	694	1360
5	854	898	1550	1860	998	2570	1820	1190	1250	2380	907	1690
6	830	904	1470	1540	843	1910	1910	1020	1170	2620	1050	1400
7	806	910	1350	1440	852	1660	2090	1010	1100	2870	1070	1440
8	812	966	1240	1340	847	1630	2290	1000	1010	2860	1060	1930
9	823	1080	1270	1300	809	1520	2260	761	1250	2720	754	1900
10	833	1120	1300	1280	787	2320	2170	699	1510	2220	726	1890
11	843	1090	1200	1230	896	3310	1520	638	1520	1570	775	e1800
12	853	1100	1070	1170	984	3300	1230	854	1890	899	831	e1250
13	830	1110	1000	1170	996	3300	1130	950	1750	760	2070	e650
14	801	1110	983	1340	1010	2710	1290	1100	1500	862	2460	589
15	813	1110	984	1300	1940	2160	1260	1140	1610	826	1300	574
16	827	1260	819	1260	2780	1930	1230	1180	2360	1040	1130	555
17	844	1360	783	1250	1900	1730	1070	1060	2520	1070	1200	543
18	848	1410	778	1230	2010	2000	1060	1050	2270	982	1250	583
19	856	1440	704	1160	2240	4890	1030	1190	2100	873	1230	592
20	838	1390	793	1100	2070	4430	1060	1170	1810	675	1220	578
21	809	1510	806	1070	1970	3390	1940	1060	1520	515	1220	684
22	818	2830	808	1070	1580	2850	3160	897	1320	501	2100	677
23	829	2850	827	2880	2340	4460	3190	679	1470	482	1860	648
24	843	1660	1440	2900	2630	4580	2900	660	1550	489	1380	628
25	849	1340	1440	2430	3520	3860	2440	635	1260	417	1290	632
26	859	955	1330	2140	7560	3930	2290	641	820	385	1230	578
27	841	937	1370	2080	4990	3750	2040	636	792	405	1240	574
28	811	926	2460	2570	3650	3060	2310	636	711	424	2870	591
29	816	904	3180	2530	3870	2260	1790	651	679	425	2390	832
30	827	844	2390	2360	---	2120	1410	678	734	465	1780	842
31	836	---	1980	2350	---	2850	---	672	---	493	1510	---
TOTAL	25839	36548	40948	54640	59122	92430	57250	30607	41319	36390	40027	30010
MEAN	834	1218	1321	1763	2039	2982	1908	987	1377	1174	1291	1000
MAX	881	2850	3180	3470	7560	4890	3190	1800	2520	2870	2870	1930
MIN	801	844	634	1070	787	1520	1030	635	679	385	456	543

e Estimated

MOBILE RIVER BASIN

02383500 COOSAWATTEE RIVER NEAR PINE CHAPEL, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1975 - 1992, BY WATER YEAR (WY) (SINCE REGULATION)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	806	1095	1436	2033	2282	2884	2412	1613	1193	1019	844	730
MAX	2717	2653	3629	3883	6921	6657	5219	3191	2558	2706	1664	1200
(WY)	1990	1978	1983	1978	1990	1990	1977	1984	1989	1976	1984	1989
MIN	296	340	409	438	922	642	688	502	353	349	368	414
(WY)	1979	1988	1988	1981	1988	1988	1986	1986	1988	1988	1981	1978

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1975 - 1992	
ANNUAL TOTAL	585115		545130			
ANNUAL MEAN	1603		1489		1525	
HIGHEST ANNUAL MEAN	†1652		†1489		2741	
LOWEST ANNUAL MEAN					562	
HIGHEST DAILY MEAN	7760		7560		17900	
LOWEST DAILY MEAN	576		385		188	
ANNUAL SEVEN-DAY MINIMUM	650		430		242	
INSTANTANEOUS PEAK FLOW			7670		24900	
INSTANTANEOUS PEAK STAGE			21.14		30.07	
ANNUAL RUNOFF (CFSM)	1.93		1.79		1.84	
ANNUAL RUNOFF (INCHES)	26.19		24.40		24.94	
10 PERCENT EXCEEDS	2950		2840		3320	
50 PERCENT EXCEEDS	1290		1220		1050	
90 PERCENT EXCEEDS	812		668		402	

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 1974, BY WATER YEAR (WY) (PRIOR TO REGULATION)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	595	842	1402	2057	2650	2752	2300	1676	1129	1005	800	620
MAX	1689	2965	4578	4937	5269	6502	4565	3906	2771	1892	2239	1688
(WY)	1965	1949	1962	1947	1946	1964	1964	1973	1973	1967	1967	1950
MIN	246	343	426	541	678	1121	838	464	463	568	439	276
(WY)	1955	1940	1966	1956	1941	1941	1941	1941	1941	1960	1957	1954

SUMMARY STATISTICS WATER YEARS 1939 - 1974

ANNUAL MEAN	1485
HIGHEST ANNUAL MEAN	2143
LOWEST ANNUAL MEAN	717
HIGHEST DAILY MEAN	31500
LOWEST DAILY MEAN	220
ANNUAL SEVEN-DAY MINIMUM	229
INSTANTANEOUS PEAK FLOW	40200
INSTANTANEOUS PEAK STAGE	a34.20
ANNUAL RUNOFF (CFSM)	1.79
ANNUAL RUNOFF (INCHES)	24.28
10 PERCENT EXCEEDS	2740
50 PERCENT EXCEEDS	1000
90 PERCENT EXCEEDS	425

† Adjusted for change in contents in Carters Lake and Carters Re-regulation Dam.

a At current base gage, 30.8 ft at current auxiliary gage.

MOBILE RIVER BASIN

02383540 COOSAWATTEE RIVER NEAR CALHOUN, GA.

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

DRAINAGE AREA.--861 mi².

PERIOD OF RECORD.--August 1974 to current year.

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

REMARKS.--Laboratory chemical analyses 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. Flow regulated by Carters Lake and Carters reregulation reservoir (see "Lakes and Reservoirs in Mobile River Basin", stations 02381400 and 02382400). Discharge obtained from gaging station 02383500, Coosawattee River near Pine Chapel, Ga.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	TIME	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)
OCT 29...	0945	822	61	64	7.5	7.0	19.0	19.5	7.9	86
NOV 18...	0815	1390	47	47	7.7	7.1	13.5	15.0	9.9	97
DEC 16...	0915	823	97	91	7.6	7.3	9.0	1.0	9.8	86
JAN 13...	0930	1150	77	75	7.6	7.2	8.0	9.5	13.8	120
FEB 25...	0930	2430	73	69	7.4	7.1	13.0	13.0	11.2	109
MAR 24...	0905	4750	64	60	7.8	7.1	10.0	6.0	10.6	95
APR 28...	1030	2410	63	54	—	7.2	14.0	14.5	9.4	93
MAY 26...	0730	663	71	70	7.8	7.3	17.0	16.0	8.4	89
JUN 23...	0750	1510	65	57	7.8	7.1	19.0	19.5	8.0	88
JUL 28...	0745	450	85	86	8.5	7.4	23.0	21.5	7.0	83
AUG 25...	0815	1330	67	64	8.5	7.4	23.0	24.0	7.6	90
SEP 29...	0745	844	85	144	7.5	7.4	21.0	15.0	7.5	86

DATE	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	HARD- NESS TOTAL (MG/L AS CaCO3)	ALKA- LITY WAT WH TOT FET LAB MG/L AS CaCO3	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)
OCT 29...	4.0	1.6	65	22	20	0.150	<0.030	0.080	2.2
NOV 18...	6.0	1.6	130	16	17	0.130	<0.030	0.050	1.7
DEC 16...	10	1.4	490	38	33	0.330	<0.030	<0.020	2.2
JAN 13...	5.0	—	75	30	29	0.380	<0.030	0.130	2.3
FEB 25...	20	1.0	1100	30	23	0.320	0.050	0.080	2.3
MAR 24...	44	0.8	2200	26	21	0.330	0.080	0.100	4.4
APR 28...	13	0.8	110	20	21	0.180	<0.030	0.070	2.6
MAY 26...	6.0	1.0	20	28	27	0.260	<0.030	0.060	1.5
JUN 23...	20	1.2	170	14	20	0.250	0.030	0.080	1.0
JUL 28...	8.0	1.8	220	38	31	0.300	<0.030	0.060	2.0
AUG 25...	15	0.5	310	24	23	0.190	<0.030	0.020	3.0
SEP 29...	17	0.8	330	48	50	0.250	<0.030	0.080	1.9

MOBILE RIVER BASIN

02384500 CONASAUGA RIVER NEAR ETON, GA.

LOCATION.--Lat 34°49'40", long 84°51'03", Murray-Whitfield County line, Hydrologic Unit 03150101, at downstream side of right bank pier of bridge on State Highway 286, 3.4 mi upstream from Mill Creek, 5.2 mi west of Eton, and at mile 42.7.

DRAINAGE AREA.--252 mi².

PERIOD OF RECORD.--Water years 1954-58, 1963-81 (annual maximum), October 1981 to current year.

GAGE.--Water-stage recorder. Datum of gage is 672.64 ft above National Geodetic Vertical Datum of 1929. June 26, 1953, to September 30, 1958 and August 16, 1962 to September 30, 1981, crest-stage gage at site 75 ft downstream at datum 3.00 ft higher.

REMARKS.--Records good.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than a base discharge of 3,800 ft³/s, and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec. 3	0600	*6,790	*13.16	Feb. 26	2200	6,190	12.85
Jan. 4	0500	4,390	11.69				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	83	61	1320	617	379	668	601	237	146	181	189	188
2	81	81	4650	552	353	572	544	221	134	203	155	156
3	86	113	6150	2950	337	508	489	209	136	504	118	143
4	90	72	5190	4080	324	467	455	197	308	412	108	251
5	78	59	1190	2490	316	435	422	190	662	265	103	484
6	74	55	648	1090	309	454	387	187	387	567	101	354
7	74	59	514	792	299	804	401	185	278	481	100	262
8	71	60	437	643	287	602	396	311	222	413	102	213
9	69	66	491	571	272	503	358	490	284	289	97	181
10	69	67	1680	512	259	1030	339	356	467	228	93	169
11	70	59	955	450	254	1120	331	276	304	197	91	280
12	66	54	646	414	249	757	349	235	1120	175	88	180
13	64	54	522	418	251	619	315	215	1040	160	107	141
14	60	51	1460	650	273	521	303	210	1100	147	107	126
15	61	50	1620	506	901	467	304	196	1190	138	103	118
16	65	49	797	431	1300	422	315	181	635	164	88	110
17	67	49	603	386	723	389	291	170	446	172	129	104
18	62	47	499	379	689	466	276	160	357	152	160	102
19	59	49	424	354	578	1570	266	153	338	144	176	107
20	58	50	377	334	495	1170	285	320	291	129	125	108
21	57	89	352	320	435	838	946	289	260	118	108	108
22	57	957	346	312	398	708	1540	222	224	157	180	107
23	57	890	443	1370	879	1460	662	189	202	226	297	241
24	59	374	920	2090	1060	1170	462	169	188	268	271	190
25	59	263	717	987	1570	819	383	203	177	219	190	128
26	59	208	550	713	5130	992	330	186	180	156	148	112
27	59	180	464	577	4040	823	302	162	185	145	133	125
28	58	162	1450	519	1170	682	284	150	158	156	490	162
29	55	151	3110	473	840	591	266	148	146	134	816	131
30	52	146	1170	431	---	655	249	164	152	116	372	113
31	51	---	766	406	---	723	---	168	---	113	248	---
TOTAL	2030	4625	40461	26817	24370	23005	12851	6749	11717	6929	5593	5194
MEAN	65.5	154	1305	865	840	742	428	218	391	224	180	173
MAX	90	957	6150	4080	5130	1570	1540	490	1190	567	816	484
MIN	51	47	346	312	249	389	249	148	134	113	88	102
CFSM	.26	.61	5.18	3.43	3.33	2.94	1.70	.86	1.55	.89	.72	.69
IN.	.30	.68	5.97	3.96	3.60	3.40	1.90	1.00	1.73	1.02	.83	.77

MOBILE RIVER BASIN

02384500 CONASAUGA RIVER NEAR ETON, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1982 - 1992, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	231	354	733	764	1083	810	520	467	292	211	153	172
MAX	1239	877	1643	1424	2803	1957	1006	1360	1222	503	351	699
(WY)	1990	1990	1983	1982	1990	1990	1983	1984	1989	1984	1984	1989
MIN	43.4	56.7	101	153	214	244	146	108	46.6	51.3	51.5	40.2
(WY)	1988	1988	1988	1986	1988	1988	1986	1986	1988	1988	1987	1987

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1982 - 1992	
ANNUAL TOTAL	202464		170341			
ANNUAL MEAN	555		465		480	
HIGHEST ANNUAL MEAN					848	
LOWEST ANNUAL MEAN					158	
HIGHEST DAILY MEAN	7250		Feb 20		17400	
LOWEST DAILY MEAN	47		Nov 18		24	
ANNUAL SEVEN-DAY MINIMUM	49		Nov 14		29	
INSTANTANEOUS PEAK FLOW			6790		Dec 3	
INSTANTANEOUS PEAK STAGE			13.16		Dec 3	
INSTANTANEOUS LOW FLOW			44		Nov 18	
ANNUAL RUNOFF (CFSM)	2.20		1.85		1.90	
ANNUAL RUNOFF (INCHES)	29.89		25.15		25.86	
10 PERCENT EXCEEDS	1050		966		957	
50 PERCENT EXCEEDS	309		271		230	
90 PERCENT EXCEEDS	67		67		66	

MOBILE RIVER BASIN

02384540 MILL CREEK NEAR CRANDALL, GA.

LOCATION.--Lat 34°52'19", long 84°43'17", Murray County, Hydrologic Unit 03150101, on right bank 100 ft south of Forest Service Road 630, 2.1 mi from Crandall, 1.3 mi upstream from Cohorn Creek, and 1.4 mi northeast of Crandall.
 DRAINAGE AREA.--8.27 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--January 1985 to current year.

GAGE.--Water-stage recorder. Datum of gage is 888.98 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Records good, except those for the period Jan. 27 to Feb. 4, which are fair.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 300 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec. 1	2030	469	3.98	June 14	0600	*687	*4.52

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
 DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.8	6.3	128	45	14	24	23	11	5.1	7.4	5.1	11
2	2.7	4.1	158	43	13	20	21	9.6	4.8	12	3.2	9.1
3	2.6	2.4	167	190	12	18	20	8.9	5.8	14	2.6	9.4
4	2.4	2.0	67	143	12	16	18	8.2	18	8.7	2.4	24
5	2.3	1.9	34	79	10	15	16	8.1	12	15	2.4	25
6	2.3	2.0	22	55	9.8	17	15	7.7	8.1	15	2.4	17
7	2.0	2.1	17	49	9.3	16	15	8.4	6.7	9.8	2.8	14
8	2.0	3.0	14	38	8.6	14	13	16	9.0	7.5	2.4	12
9	1.9	2.5	38	26	7.9	13	12	14	15	6.1	2.3	9.9
10	1.8	2.3	75	22	7.7	30	12	11	18	5.5	2.2	11
11	1.8	2.3	37	19	7.5	28	13	9.2	61	5.3	1.9	13
12	1.7	2.2	25	18	7.3	22	13	8.5	105	4.5	1.8	9.0
13	1.5	2.1	20	18	7.8	19	11	8.5	66	4.1	3.6	7.7
14	1.5	2.0	100	20	7.6	17	11	8.1	236	3.8	3.0	6.8
15	2.0	2.0	54	18	50	15	11	7.4	74	9.0	2.6	6.0
16	1.9	2.0	33	16	40	13	14	6.7	38	7.7	7.5	5.5
17	1.7	2.0	23	15	29	13	11	6.1	24	5.8	11	5.2
18	1.6	1.9	19	14	25	26	10	5.8	18	5.3	12	6.1
19	1.5	2.2	15	12	22	100	10	8.1	16	4.1	6.9	6.2
20	1.6	2.3	14	11	19	71	12	7.5	13	3.3	4.9	5.5
21	1.7	17	13	11	17	51	95	6.0	11	3.0	7.1	5.0
22	1.8	95	12	11	15	49	65	5.3	9.5	5.3	11	11
23	1.9	31	28	91	28	87	34	5.2	8.7	5.0	10	12
24	1.9	16	40	66	32	60	25	6.1	8.0	3.7	7.8	9.6
25	2.0	11	30	38	111	48	20	6.9	7.7	3.2	6.2	8.4
26	2.0	8.4	22	27	136	44	17	6.0	9.7	5.4	6.5	8.5
27	2.0	7.2	19	22	69	33	15	5.5	7.2	6.9	10	12
28	2.0	6.2	105	19	43	27	14	5.3	6.0	4.9	154	9.9
29	2.0	5.6	85	17	31	24	12	6.2	5.7	3.3	46	8.8
30	1.9	5.4	46	16	---	26	11	7.0	6.3	2.7	23	8.0
31	1.9	---	38	15	---	24	---	5.8	---	4.8	15	---
TOTAL	60.7	252.4	1498	1184	801.5	980	589	244.1	833.3	202.1	379.6	306.6
MEAN	1.96	8.41	48.3	38.2	27.6	31.6	19.6	7.87	27.8	6.52	12.2	10.2
MAX	2.8	95	167	190	136	100	95	16	236	15	154	25
MIN	1.5	1.9	12	11	7.3	13	10	5.2	4.8	2.7	1.8	5.0
CFSM	.24	1.02	5.84	4.62	3.34	3.82	2.37	.95	3.36	.79	1.48	1.24
IN.	.27	1.14	6.74	5.33	3.61	4.41	2.65	1.10	3.75	.91	1.71	1.38

MOBILE RIVER BASIN

02384540 MILL CREEK NEAR CRANDALL, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1985 - 1992, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	9.47	19.2	24.8	30.5	40.6	31.9	19.4	13.5	17.0	11.9	7.72	10.1
MAX	30.0	35.9	48.3	50.3	108	71.6	38.6	24.4	57.3	43.6	12.2	32.0
(WY)	1990	1990	1992	1990	1990	1990	1991	1991	1989	1990	1992	1989
MIN	1.26	1.52	3.95	7.30	11.8	12.5	5.91	3.48	1.49	1.75	2.25	1.73
(WY)	1988	1988	1988	1986	1988	1988	1986	1986	1988	1986	1987	1987

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR	FOR 1992 WATER YEAR	WATER YEARS 1985 - 1992
ANNUAL TOTAL	7716.5	7331.3	
ANNUAL MEAN	21.1	20.0	20.1
HIGHEST ANNUAL MEAN			34.3
LOWEST ANNUAL MEAN			8.37
HIGHEST DAILY MEAN	265	Feb 20	236
LOWEST DAILY MEAN	1.5	Oct 13,14,19	1.5
ANNUAL SEVEN-DAY MINIMUM	1.7	Oct 13	1.7
INSTANTANEOUS PEAK FLOW			687
INSTANTANEOUS PEAK STAGE			4.52
ANNUAL RUNOFF (CFSM)	2.56	2.42	2.43
ANNUAL RUNOFF (INCHES)	34.71	32.98	33.03
10 PERCENT EXCEEDS	47	47	41
50 PERCENT EXCEEDS	12	11	10
90 PERCENT EXCEEDS	2.1	2.1	2.0

a From rating curve extended above 430 ft³/s on basis of slope-conveyance study.

MOBILE RIVER BASIN

02384748 CONASAUGA RIVER NEAR DALTON, GA.

LOCATION.--Lat 34°47'20", long 84°52'30", Whitfield-Murray County line, Hydrologic Unit 03150101, at Dalton waterworks intake, 0.4 mi upstream from U.S. Highway 76, and 5.5 mi east of Dalton.

DRAINAGE AREA.--308 mi².

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

REMARKS.--Laboratory chemical analyses 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 1991 TO SEPTEMBER 1992

DATE	TIME	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)
OCT 29...	0800	E15	155	151	7.9	7.4	18.0	21.5	6.6	71
NOV 18...	0630	27	140	138	7.2	7.7	12.0	14.5	9.3	88
DEC 16...	0730	1100	80	73	7.9	7.2	8.0	2.0	10.6	91
JAN 13...	0730	440	109	112	6.9	7.1	8.0	8.0	--	--
FEB 25...	0740	900	83	80	6.8	7.3	13.0	12.0	9.7	95
MAR 24...	0715	1800	60	58	7.3	7.2	9.0	2.5	11.2	98
APR 28...	1320	330	110	98	7.6	7.6	13.0	19.0	9.6	93
MAY 26...	0550	225	95	91	7.4	7.5	19.0	14.5	7.8	87
JUN 23...	0600	205	120	112	8.1	7.6	21.0	14.5	7.4	85
JUL 28...	0600	115	109	110	7.2	7.5	25.0	20.0	6.6	82
AUG 25...	0630	220	80	75	--	7.5	23.0	20.0	7.3	86
SEP 29...	0600	98	115	112	7.2	7.6	20.0	14.5	7.5	84

DATE	TUR- BID- ITY (NTU)	OXYGEN DEMAND, CHEM- ICAL (LOW LEVEL) (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	HARD- NESS TOTAL (MG/L AS CaCO3)	ALKA- LITY WAT WH TOT FET LAB MG/L AS CaCO3	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L)
OCT 29...	5.0	--	1.5	50	76	66	5
NOV 18...	4.0	--	0.7	80	58	61	4
DEC 16...	12	--	0.6	1700	30	27	16
JAN 13...	5.0	--	--	50	54	48	4
FEB 25...	17	--	0.8	270	40	33	17
MAR 24...	19	--	0.5	790	22	23	28
APR 28...	6.0	--	0.4	70	46	44	7
MAY 26...	9.0	--	0.6	180	40	40	15
JUN 23...	9.0	--	1.1	110	45	50	14
JUL 28...	11	<5	0.8	790	48	45	15
AUG 25...	17	7	0.2	80	32	31	28
SEP 29...	11	<5	0.5	130	52	53	--

MOBILE RIVER BASIN

02384748 CONASAUGA RIVER NEAR DALTON, GA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 29...	<0.020	0.080	-	-	-	0.070	3.0
NOV 18...	<0.020	<0.030	-	-	-	0.050	1.3
DEC 16...	0.240	<0.030	-	-	-	<0.020	2.5
JAN 13...	0.390	<0.030	-	-	-	0.120	1.9
FEB 25...	0.210	<0.030	-	-	-	0.050	3.5
MAR 24...	0.160	<0.030	-	-	-	0.050	4.4
APR 28...	0.200	<0.030	-	-	-	0.050	1.9
MAY 26...	0.210	<0.030	-	-	-	0.050	1.3
JUN 23...	0.260	<0.030	-	-	-	0.090	1.0
JUL 28...	0.210	0.030	0.17	0.20	0.41	0.060	2.0
AUG 25...	0.110	<0.030	-	0.10	0.21	<0.020	3.0
SEP 29...	0.150	<0.030	-	0.30	0.45	0.050	2.0

MOBILE RIVER BASIN

02385800 HOLLY CREEK NEAR CHATSWORTH, GA.

LOCATION.--Lat 34°43'00", long 84°46'12", Murray County, Hydrologic Unit 03150101, on right bank 100 ft upstream from bridge on Smyrna-Ramhurst Road, 3 mi upstream from Rock Creek, and 3.3 mi south of Chatsworth.

DRAINAGE AREA.--64.0 mi².

PERIOD OF RECORD.--June 1960 to current year.

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

GAGE.--Water-stage recorder. Datum of gage is 689.25 ft above National Geodetic Vertical Datum of 1929 (leveling by global positioning system equipment).

REMARKS.--Records good, except those for the period of estimated daily discharges, which are fair. Low flow affected by withdrawals and return flow by the city of Chatsworth. Records of chemical analyses for the water years 1968-74 are published in reports of the U.S. Geological Survey.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,500 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Feb. 26	0500	1,800	8.67	June 12	1700	2,420	9.05
Mar. 19	1100	2,280	8.97	June 14	1800	*3,540	*9.65

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12	21	121	126	84	150	151	63	28	77	42	47
2	11	36	714	117	78	129	133	58	26	231	27	41
3	12	19	754	1170	75	115	120	54	28	120	22	49
4	11	14	565	1010	72	106	114	50	100	83	20	154
5	12	13	147	598	71	98	104	49	69	61	20	152
6	12	13	97	277	68	112	96	48	41	72	23	78
7	10	12	74	184	66	110	99	48	35	55	29	61
8	9.6	14	61	142	62	97	93	74	59	48	24	53
9	10	18	109	127	59	87	87	87	87	42	21	46
10	10	16	380	111	57	317	82	56	111	39	20	e65
11	10	14	160	97	55	220	90	49	247	39	18	e50
12	11	14	106	90	54	146	95	45	2030	37	17	e43
13	9.5	15	82	99	55	122	80	45	821	32	31	e37
14	8.3	13	509	144	57	106	74	45	1790	30	34	e34
15	8.7	13	289	104	435	97	73	42	974	38	29	e31
16	12	13	140	89	334	88	72	40	211	49	39	e29
17	12	12	101	83	176	83	68	38	131	37	65	e32
18	11	12	82	82	159	218	65	36	103	42	54	e33
19	11	11	67	76	132	1770	62	35	108	33	35	e31
20	10	12	59	71	111	729	73	33	82	28	27	e29
21	10	72	54	68	98	312	469	34	81	25	30	e31
22	9.5	460	55	67	89	260	453	32	65	38	75	e56
23	10	117	94	927	315	793	144	31	58	35	58	e47
24	11	54	198	751	305	425	109	30	54	29	38	e30
25	10	38	122	264	663	251	102	32	51	26	30	e25
26	10	31	90	173	1440	283	84	32	58	39	26	e26
27	11	29	76	134	569	204	77	31	52	56	42	e37
28	12	27	584	120	274	165	73	29	46	38	683	e31
29	10	25	939	107	194	146	68	32	47	28	207	e26
30	10	25	277	97	---	188	65	35	57	24	82	e25
31	10	---	165	91	---	188	---	33	---	25	57	---
TOTAL	326.6	1183	7271	7596	6207	8115	3475	1346	7650	1556	1925	1429
MEAN	10.5	39.4	235	245	214	262	116	43.4	255	50.2	62.1	47.6
MAX	12	460	939	1170	1440	1770	469	87	2030	231	683	154
MIN	8.3	11	54	67	54	83	62	29	26	24	17	25
CFSM	.16	.62	3.66	3.83	3.34	4.09	1.81	.68	3.98	.78	.97	.74
IN.	.19	.69	4.23	4.42	3.61	4.72	2.02	.78	4.45	.90	1.12	.83

e Estimated

MOBILE RIVER BASIN

02385800 HOLLY CREEK NEAR CHATSWORTH, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1960 - 1992, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	47.5	90.2	157	213	245	252	173	117	76.2	54.0	37.7	36.7
MAX	234	292	469	450	919	590	397	285	549	217	224	170
(WY)	1990	1978	1983	1974	1990	1980	1977	1984	1989	1967	1967	1989
MIN	3.36	7.93	14.1	16.6	57.7	64.6	33.0	16.8	5.75	6.15	7.67	5.17
(WY)	1988	1979	1966	1981	1988	1988	1986	1986	1988	1969	1980	1964

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1960 - 1992	
ANNUAL TOTAL	51427.6		48079.6		124	
ANNUAL MEAN	141		131		226	
HIGHEST ANNUAL MEAN					41.9	
LOWEST ANNUAL MEAN					9890	
HIGHEST DAILY MEAN	2490	Feb 20	2030	Jun 12	1.2	Oct 10 1987
LOWEST DAILY MEAN	8.3	Oct 14	8.3	Oct 14	1.6	Oct 6 1987
ANNUAL SEVEN-DAY MINIMUM	9.6	Oct 9	9.6	Oct 9	a20600	Feb 16 1990
INSTANTANEOUS PEAK FLOW			3540	Jun 14	14.87	Feb 16 1990
INSTANTANEOUS PEAK STAGE			9.65	Jun 14	1.95	
ANNUAL RUNOFF (CFSM)	2.20		2.05		26.43	
ANNUAL RUNOFF (INCHES)	29.89		27.95		256	
10 PERCENT EXCEEDS	315		277		54	
50 PERCENT EXCEEDS	67		59		10	
90 PERCENT EXCEEDS	12		13			

a From rating curve extended above 11,000 ft³/s on basis of contracted-opening measurement of peak flow.

MOBILE RIVER BASIN

02387000 CONASAUGA RIVER AT TILTON, GA.

LOCATION.--Lat 34°40'00", long 84°55'42", Whitfield-Murray County line, Hydrologic Unit 03150101, on left bank 250 ft downstream from Tilton Road bridge, 0.2 mi downstream from Swamp Creek, 0.5 mi northeast of Tilton, and 12 mi upstream from confluence with Coosawattee River.

DRAINAGE AREA.--687 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--June 1937 to current year.

REVISED RECORDS.--WRD GA-80-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 622.28 ft above National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers).

Prior to Aug. 24, 1940, nonrecording gage at site 150 ft upstream at same datum. Since Oct. 1, 1979, auxiliary water-stage recorder at Sloan Road bridge, 3.2 mi downstream. Water-stage recorder on Oostanaula River at Resaca used as auxiliary gage during 1961-79 water years.

REMARKS.--Records good. Flow affected by withdrawals and return flow by the city of Dalton, Ga.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 5,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec. 5	0600	8,400	17.46	Feb. 28	0900	*8,850	*18.32
Dec. 30	1100	6,240	14.39	Mar. 20	1100	6,260	14.77
Jan. 5	1600	7,530	16.28	June 14	1200	5,260	12.77
Jan. 24	2200	5,700	13.51				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	184	214	1120	1650	894	1980	1690	565	342	393	317	444
2	170	300	4900	1390	811	1550	1380	544	286	840	368	376
3	156	240	6650	4970	740	1320	1210	519	303	1090	308	381
4	159	216	7980	6670	692	1160	1100	480	1030	1410	245	1030
5	171	151	8080	7420	675	1060	1010	430	1500	787	225	1590
6	181	137	3360	5740	645	1070	906	415	1110	710	214	1070
7	174	130	1260	2380	622	1470	881	408	636	971	229	701
8	145	133	1000	1710	603	1560	943	547	493	804	245	523
9	131	158	886	1440	570	1160	842	1010	638	583	242	432
10	127	179	2180	1300	536	1630	768	994	1020	456	237	389
11	125	183	3050	1140	493	3250	764	668	1580	401	200	401
12	133	155	1610	1010	485	2120	798	516	3230	376	192	535
13	148	141	1160	992	488	1490	745	464	4570	354	285	370
14	155	137	1960	1480	520	1240	643	444	5010	325	331	322
15	127	134	3860	1610	2050	1090	607	432	4250	310	280	284
16	115	139	2570	1120	4070	956	633	415	3230	329	247	266
17	111	163	1450	920	2730	846	786	401	1320	355	257	251
18	123	163	1130	859	1960	1210	677	367	910	362	322	253
19	125	143	930	814	1660	5640	576	331	1490	371	346	298
20	144	133	792	743	1340	6060	590	329	925	329	308	279
21	148	362	725	688	1110	3910	1480	482	800	272	268	278
22	133	2020	690	682	980	2200	3770	415	670	260	399	257
23	112	2760	761	3230	2040	3410	2590	387	524	377	590	333
24	117	1270	1890	5470	3790	4090	1270	372	474	401	553	546
25	108	613	1970	4590	4110	2670	1270	354	447	433	415	397
26	121	437	1350	2140	6790	2400	919	395	534	401	329	304
27	150	362	1060	1540	7980	2430	769	358	492	394	291	342
28	160	330	2550	1290	8580	1850	690	312	440	355	996	359
29	130	305	5550	1170	4390	1530	636	294	391	307	1920	325
30	110	293	5940	1040	---	1490	599	336	354	264	1120	278
31	114	---	2750	962	---	2030	---	366	---	275	608	---
TOTAL	4307	12101	81164	68160	62354	65872	31542	14350	38999	15295	12887	13614
MEAN	139	403	2618	2199	2150	2125	1051	463	1300	493	416	454
MAX	184	2760	8080	7420	8580	6060	3770	1010	5010	1410	1920	1590
MIN	108	130	690	682	485	846	576	294	286	260	192	251
CFSM	.20	.59	3.81	3.20	3.13	3.09	1.53	.67	1.89	.72	.61	.66
IN.	.23	.66	4.39	3.69	3.38	3.57	1.71	.78	2.11	.83	.70	.74

MOBILE RIVER BASIN

02387000 CONASAUGA RIVER AT TILTON, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1938 - 1992, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	412	788	1375	2094	2558	2503	1743	1077	656	613	401	396
MAX	2996	4022	4761	6499	7419	6672	4596	3308	3203	2347	1899	1763
(WY)	1990	1958	1962	1947	1990	1980	1977	1984	1989	1967	1967	1975
MIN	77.3	112	196	176	356	592	308	211	54.0	111	69.5	66.3
(WY)	1988	1979	1966	1981	1941	1988	1986	1986	1988	1988	1987	1987

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1938 - 1992	
ANNUAL TOTAL	497943		420645			
ANNUAL MEAN	1364		1149		1212	
HIGHEST ANNUAL MEAN					2147	
LOWEST ANNUAL MEAN					392	
HIGHEST DAILY MEAN	13800		8580		32800	
LOWEST DAILY MEAN	108		108		12	
ANNUAL SEVEN-DAY MINIMUM	126		126		24	
INSTANTANEOUS PEAK FLOW			8850		a36800	
INSTANTANEOUS PEAK STAGE			18.32		b30.2	
ANNUAL RUNOFF (CFSM)	1.99		1.67		1.76	
ANNUAL RUNOFF (INCHES)	26.96		22.78		23.96	
10 PERCENT EXCEEDS	3070		2750		2810	
50 PERCENT EXCEEDS	745		601		541	
90 PERCENT EXCEEDS	155		159		149	

a Gage height, 29.89 ft.

b Backwater from the Coosawatee River.

MOBILE RIVER BASIN

02387000 CONASAUGA RIVER AT TILTON, GA.--Continued

WATER-QUALITY RECORDS

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

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: October 1975 to current year.

pH: October 1975 to current year.

WATER TEMPERATURE: October 1975 to current year.

DISSOLVED OXYGEN: October 1975 to current year.

INSTRUMENTATION.--Water-quality monitor. Specific Conductance, pH, Water Temperature, and Dissolved Oxygen recorded hourly.
 REMARKS.--Laboratory analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen by the U.S. Geological Survey.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum recorded, 646 microsiemens Oct. 26, 1987; minimum recorded, 34 microsiemens Mar. 23, 1980.

pH: Maximum recorded, 10.7 units Feb. 13, 1988; minimum recorded, 6.3 units July 5, 6, 1976, Jan. 8, 1992.

WATER TEMPERATURE: Maximum recorded, 33.0°C July 21, 1986; minimum recorded, 0.0°C Dec. 19, 20, 1981, Dec. 23, 24, 1989.

DISSOLVED OXYGEN: Maximum recorded, 15.7 mg/L June 12, 1988; minimum recorded, 0.2 mg/L May 13, 1987.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 396 microsiemens Nov. 2; minimum, 65 microsiemens Feb. 27, 28.

pH: Maximum, 8.2 units Nov. 5, 12, Aug. 2; minimum, 6.3 units Jan. 8.

WATER TEMPERATURE: Maximum recorded, 29.0°C July 14; minimum, 2.5°C Jan 20.

DISSOLVED OXYGEN: Maximum, 12.6 mg/L on several days in Jan. and Feb.; minimum, 4.3 mg/L Sept. 20.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	TIME	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)
OCT 29...	0845	135	337	334	7.4	7.3	19.0	20.0	4.6	50
NOV 18...	0705	164	319	319	7.5	7.5	12.5	15.0	8.6	82
DEC 16...	0815	2840	112	104	7.4	7.2	9.0	-1.5	10.5	92
JAN 13...	0815	968	151	147	7.6	7.2	7.5	10.0	11.3	97
FEB 25...	0830	2820	117	112	7.3	7.3	13.0	13.0	9.5	92
MAR 24...	0805	4290	100	95	7.6	7.3	10.0	5.5	10.4	93
APR 28...	1140	689	157	153	7.8	7.5	14.0	15.0	9.1	90
MAY 26...	0630	385	185	180	7.7	7.4	20.0	15.5	6.5	73
JUN 23...	0645	544	180	173	7.6	7.4	21.5	15.5	7.4	86
JUL 28...	0640	383	223	216	7.5	7.5	26.0	21.5	6.0	76
AUG 25...	0715	439	185	181	7.5	7.5	23.0	22.0	6.0	71
SEP 29...	0645	336	230	226	7.6	7.5	20.0	14.5	6.5	73

MOBILE RIVER BASIN

02387000 CONASAUGA RIVER AT TILTON, GA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	TUR- BID- ITY (NTU)	OXYGEN DEMAND, CHEM- ICAL (LOW LEVEL) (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	HARD- NESS TOTAL (MG/L AS CACO3)	ALKA- LITY WAT WH TOT FET LAB MG/L AS CACO3	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDE (MG/L)
OCT 29...	15	27	2.6	490	110	90	18
NOV 18...	14	28	2.2	790	94	82	14
DEC 16...	28	11	0.8	4100	44	35	33
JAN 13...	6.0	14	—	790	64	53	6
FEB 25...	40	20	1.5	2200	46	41	46
MAR 24...	40	19	0.8	3300	42	36	48
APR 28...	12	9	1.1	490	56	54	12
MAY 26...	16	15	0.8	130	70	61	24
JUN 23...	26	15	1.7	230	56	62	25
JUL 28...	23	11	1.1	35000	74	62	26
AUG 25...	30	15	0.7	1300	68	58	37
SEP 29...	21	13	0.8	700	70	67	30

DATE	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 29...	0.620	0.130	0.47	0.60	1.2	2.16	9.9
NOV 18...	0.590	0.050	0.45	0.50	1.1	2.36	9.9
DEC 16...	0.330	0.230	0.47	0.70	1.0	0.180	5.3
JAN 13...	0.510	<0.030	—	—	—	0.310	2.3
FEB 25...	0.350	0.050	0.25	0.30	0.65	0.290	6.3
MAR 24...	0.280	0.050	0.35	0.40	0.68	0.220	6.8
APR 28...	0.460	0.030	0.17	0.20	0.66	0.450	3.6
MAY 26...	0.600	0.050	0.25	0.30	0.90	0.650	3.6
JUN 23...	0.650	<0.030	—	0.50	1.2	0.450	4.0
JUL 28...	0.580	0.030	0.27	0.30	0.88	0.850	5.0
AUG 25...	0.540	0.060	0.34	0.40	0.94	0.720	5.0
SEP 29...	0.680	0.030	0.47	0.50	1.2	1.19	5.2

MOBILE RIVER BASIN

02387000 CONASAUGA RIVER AT TILTON, GA.--Continued

SPECIFIC CONDUCTANCE, MICROSIEMENS PER CENTIMETER AT 25, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	284	264	394	274	208	140	125	115	160	154	117	108
2	291	269	396	296	152	95	132	125	161	153	124	117
3	311	292	306	--	94	84	129	93	160	156	137	125
4	304	282	--	224	84	80	92	76	178	160	141	134
5	310	304	225	223	91	77	77	74	191	172	149	137
6	308	287	253	223	124	93	101	78	185	181	159	145
7	286	275	286	257	139	124	113	101	189	177	162	143
8	303	274	282	272	148	140	121	113	187	181	156	130
9	341	305	311	285	166	148	132	121	181	173	136	131
10	340	312	304	290	178	129	141	133	182	174	157	136
11	320	312	304	269	127	98	153	140	195	175	139	114
12	343	313	268	254	125	112	154	148	--	--	118	111
13	355	324	308	268	137	126	162	150	--	--	119	113
14	323	285	316	310	165	135	173	154	--	--	129	119
15	289	281	322	308	132	90	163	152	--	--	134	127
16	314	279	325	310	110	98	154	145	--	--	143	133
17	363	315	312	302	125	111	152	145	--	--	153	141
18	362	351	319	302	138	126	153	147	--	--	156	118
19	356	322	304	289	151	138	151	146	140	137	124	102
20	324	303	300	290	160	150	157	152	143	139	--	--
21	316	299	333	274	167	155	189	157	152	144	--	--
22	314	295	267	176	176	164	190	172	152	146	--	--
23	340	314	172	115	189	169	170	111	150	132	--	--
24	357	341	132	118	192	147	109	84	130	118	--	--
25	361	355	138	129	147	126	96	84	121	102	--	--
26	356	339	172	139	129	124	111	97	101	75	--	--
27	343	336	172	166	142	130	123	111	74	65	--	--
28	345	338	196	173	147	123	137	124	86	65	120	117
29	341	320	200	193	125	82	144	137	110	89	121	117
30	320	308	205	193	101	79	148	143	--	--	136	118
31	333	315	--	--	115	103	159	146	--	--	136	130
MONTH	363	264	396	115	208	77	190	74	195	65	162	102

[illegible]

MOBILE RIVER BASIN

02387000 CONASAUGA RIVER AT TILTON, GA.--Continued

PH (STANDARD UNITS), WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	7.7	7.6	7.7	7.5	7.8	7.5	7.8	7.6	7.9	7.8	7.6	7.5
2	7.7	7.6	7.7	7.5	7.7	7.4	7.8	7.8	8.0	7.9	7.6	7.6
3	7.8	7.6	7.8	7.7	7.4	7.4	7.7	7.5	8.0	8.0	7.6	7.6
4	7.8	7.6	7.9	7.9	7.4	7.3	7.5	7.3	8.0	7.9	7.6	7.6
5	7.7	7.6	8.2	7.9	7.4	7.2	7.3	7.3	8.0	7.9	7.6	7.6
6	7.8	7.6	8.1	7.9	7.4	7.3	7.3	7.2	8.0	7.9	7.7	7.6
7	7.8	7.6	8.0	7.8	7.6	7.4	7.5	7.3	8.0	7.9	7.7	7.6
8	7.9	7.6	8.0	7.9	7.6	7.5	7.5	6.3	8.0	7.9	7.7	7.5
9	7.8	7.5	7.9	7.8	7.6	7.5	7.6	7.3	8.1	7.9	7.6	7.5
10	7.9	7.5	8.1	7.9	7.8	7.7	7.6	7.6	8.1	7.9	7.7	7.5
11	8.1	7.5	8.1	7.9	7.7	7.4	7.7	7.6	8.1	7.9	7.6	7.5
12	8.1	7.6	8.2	7.9	7.5	7.4	7.8	7.7	--	--	7.6	7.5
13	7.9	7.6	8.1	7.9	7.6	7.5	7.8	7.7	--	--	7.7	7.6
14	8.0	7.7	8.1	7.8	7.8	7.6	7.8	7.8	--	--	7.7	7.7
15	8.1	7.7	8.1	7.8	7.8	7.4	7.8	7.8	--	--	7.8	7.7
16	8.1	7.8	8.0	7.8	7.5	7.4	7.8	7.8	--	--	7.8	7.8
17	8.1	7.8	8.0	7.7	7.6	7.4	7.9	7.8	--	--	7.8	7.8
18	7.9	7.7	7.8	7.6	7.6	7.4	7.9	7.9	--	--	7.8	7.3
19	8.0	7.6	7.8	7.6	7.6	7.5	8.0	7.9	7.7	7.6	--	--
20	8.0	7.7	7.8	7.7	7.6	7.5	8.0	8.0	7.8	7.7	--	--
21	7.9	7.6	7.8	7.6	7.6	7.5	8.0	7.9	7.8	7.7	--	--
22	7.9	7.6	7.8	7.5	8.0	7.6	8.0	7.9	7.9	7.8	--	--
23	7.8	7.6	7.7	7.4	7.9	7.7	8.0	7.6	7.8	7.7	--	--
24	7.7	7.6	7.4	7.4	8.1	7.9	7.6	7.5	7.7	7.6	--	--
25	7.7	7.5	7.4	7.3	7.9	7.8	7.6	7.5	7.6	7.5	--	--
26	7.7	7.5	7.4	7.2	7.8	7.7	7.7	7.6	7.5	7.3	--	--
27	7.7	7.6	7.3	7.1	7.8	7.7	7.8	7.8	7.3	7.1	7.6	7.6
28	7.7	7.6	7.3	7.1	7.8	7.7	7.8	7.8	7.3	7.2	7.6	7.6
29	7.8	7.6	7.3	7.2	7.8	7.4	7.9	7.8	7.5	7.2	7.6	7.6
30	7.7	7.6	7.5	7.4	7.5	7.5	7.8	7.8	--	--	7.7	7.6
31	7.7	7.6	--	--	7.7	7.5	7.9	7.8	--	--	7.7	7.7
MONTH	8.1	7.5	8.2	7.1	8.1	7.2	8.0	6.3	8.1	7.1	7.8	7.3

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MOBILE RIVER BASIN

02387000 CONASAUGA RIVER AT TILTON, GA.--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	21.0	19.0	17.5	15.5	15.0	12.0	8.5	8.0	9.5	8.5	12.0	10.5
2	21.0	19.5	15.0	13.0	17.0	15.0	9.0	8.0	8.5	7.5	12.0	10.5
3	22.0	19.5	13.0	—	17.0	16.0	10.0	9.0	8.0	7.0	13.0	11.0
4	22.5	20.0	—	9.0	15.5	11.5	10.0	9.5	8.5	7.0	14.5	12.5
5	22.5	21.0	10.5	8.0	11.5	9.0	10.5	10.0	8.5	8.0	14.5	13.5
6	20.5	17.5	9.5	7.0	9.0	7.5	10.5	10.0	9.0	8.0	15.5	14.5
7	18.0	16.0	10.0	7.5	8.0	7.0	10.0	9.0	9.5	8.0	16.5	15.0
8	17.5	14.5	9.5	8.0	9.0	7.5	9.0	8.0	8.5	7.5	16.5	15.0
9	17.0	14.0	8.5	7.0	10.5	9.0	9.0	8.5	7.5	6.0	16.0	15.0
10	17.5	14.5	9.0	7.5	11.5	10.5	9.0	8.5	6.5	5.0	16.0	14.5
11	18.0	15.0	9.0	7.0	11.0	10.5	8.5	8.0	7.5	5.5	14.5	11.5
12	18.0	15.0	9.0	7.0	10.5	10.0	8.0	7.0	—	—	11.5	9.5
13	18.0	15.0	9.0	6.5	11.5	10.5	8.5	7.5	—	—	9.5	8.5
14	17.0	14.5	9.5	7.5	13.0	11.5	8.5	8.5	—	—	10.0	8.0
15	17.0	15.5	10.5	7.5	13.0	10.5	8.5	7.5	—	—	10.0	9.0
16	17.0	14.5	12.0	9.0	10.5	8.0	7.0	4.5	—	—	10.0	8.5
17	16.5	13.5	13.0	10.5	8.0	7.0	4.5	3.5	—	—	11.0	8.5
18	16.0	13.0	13.0	12.5	7.5	6.5	3.5	3.0	—	—	12.0	10.5
19	16.5	13.0	13.5	12.5	6.5	5.5	3.5	3.0	—	—	—	12.0
20	16.5	14.0	15.0	13.5	5.5	4.5	3.5	2.5	11.5	10.0	—	—
21	17.0	15.0	16.0	15.0	6.0	5.0	4.5	3.0	11.0	10.0	—	—
22	17.5	15.5	16.0	15.5	7.0	6.0	5.5	4.0	11.0	9.5	—	—
23	18.5	16.5	15.5	14.0	8.5	7.0	7.5	5.5	13.0	11.0	—	—
24	19.0	17.0	14.0	11.5	9.5	8.5	7.5	7.0	13.5	13.0	—	—
25	20.0	17.5	11.5	9.0	9.5	8.0	7.0	6.5	13.5	13.0	—	—
26	19.5	18.0	9.0	7.5	8.0	7.0	7.0	6.0	13.0	11.5	—	—
27	21.0	18.5	8.0	6.0	8.0	7.5	7.0	6.5	11.5	10.0	12.5	—
28	21.0	18.5	8.0	6.0	8.5	8.0	8.5	7.0	10.5	10.0	12.5	11.5
29	20.5	18.5	10.0	7.5	9.0	8.5	10.0	8.5	11.5	10.5	12.0	11.5
30	19.5	17.0	12.0	10.0	9.0	8.5	10.5	9.5	—	—	11.5	11.5
31	19.0	16.5	—	—	9.0	8.5	10.5	9.0	—	—	12.0	11.5
MONTH	22.5	13.0	17.5	6.0	17.0	4.5	10.5	2.5	13.5	5.0	16.5	8.0

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MOBILE RIVER BASIN

02387000 CONASAUGA RIVER AT TILTON, GA.--Continued

OXYGEN, DISSOLVED (MG/L), WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	7.7	7.0	6.9	5.2	10.8	10.0	11.4	11.2	10.5	10.1	10.6	10.4
2	7.9	6.7	6.7	5.5	10.0	8.7	11.4	11.1	10.9	10.4	10.8	10.6
3	8.1	6.5	6.9	6.7	8.7	7.3	11.1	10.5	11.2	10.8	10.7	10.3
4	8.3	6.6	9.1	---	8.3	7.6	10.4	10.0	11.2	10.9	10.3	9.9
5	7.3	6.3	10.0	9.2	9.2	8.4	10.4	9.8	10.8	10.5	9.9	9.5
6	7.8	6.5	10.5	9.5	10.9	8.7	10.8	10.1	10.7	10.3	9.5	9.1
7	8.4	6.9	10.4	9.7	11.1	10.9	11.0	10.5	10.8	10.3	9.0	8.8
8	9.7	7.8	9.9	9.4	11.0	10.8	11.0	10.5	11.4	10.5	8.9	8.6
9	10.0	8.0	9.9	9.1	10.8	10.0	10.9	10.7	12.1	11.0	8.8	8.6
10	10.4	7.9	10.4	9.8	10.0	9.6	10.7	10.6	12.6	11.5	8.6	8.2
11	10.6	7.8	10.8	9.8	9.9	9.7	11.0	10.7	12.6	11.7	9.1	8.4
12	10.3	7.6	11.2	10.1	10.3	10.0	11.4	11.0	12.6	11.4	10.1	9.2
13	9.2	7.5	11.2	10.2	10.3	10.2	11.4	11.0	---	---	10.6	10.2
14	9.4	7.5	11.0	10.1	10.1	9.7	11.0	10.5	---	---	10.6	10.5
15	9.2	7.3	11.2	9.9	10.7	9.9	11.0	10.6	---	---	10.6	10.5
16	9.0	7.0	10.6	9.3	10.8	10.5	11.8	11.1	---	---	10.8	10.5
17	9.2	7.2	10.1	8.5	11.0	10.3	12.3	11.9	---	---	10.8	10.3
18	9.2	7.0	9.2	7.7	11.5	10.9	12.5	12.3	---	---	10.3	9.2
19	9.6	6.9	8.2	7.2	11.9	11.0	12.6	12.5	10.3	10.2	9.2	8.7
20	9.4	7.2	7.1	6.6	12.0	11.9	12.6	12.5	10.4	10.1	---	---
21	9.2	7.2	7.0	6.3	12.0	11.6	12.6	12.1	10.6	10.3	---	---
22	8.7	6.7	7.4	6.9	11.5	11.3	12.3	11.9	10.9	10.5	---	---
23	7.8	6.3	8.3	7.4	11.3	10.7	11.9	10.7	10.6	9.5	---	---
24	7.2	5.5	9.3	8.3	10.6	10.2	10.9	10.6	9.6	9.4	---	---
25	6.6	5.0	10.5	9.4	10.9	10.3	11.1	10.9	9.7	9.4	---	---
26	5.8	4.6	11.2	10.5	11.6	10.9	11.4	11.1	9.4	9.2	---	---
27	5.9	4.5	11.8	11.2	11.8	11.6	11.5	11.4	9.7	9.2	10.1	9.9
28	5.9	4.5	11.9	11.6	11.7	10.9	11.4	10.9	9.9	9.5	9.9	9.8
29	6.2	4.9	11.9	11.6	10.9	10.3	10.9	10.4	10.4	9.4	9.9	9.8
30	6.4	4.8	11.6	10.8	10.7	10.2	10.4	10.1	---	---	9.9	9.5
31	6.7	5.1	---	---	11.2	10.2	10.1	10.0	---	---	9.5	9.4
MONTH	10.6	4.5	11.9	5.2	12.0	7.3	12.6	9.8	12.6	9.2	10.8	8.2

MOBILE RIVER BASIN

02387050 CONASAUGA RIVER NEAR RESACA, GA.

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

DRAINAGE AREA.--706 mi².

PERIOD OF RECORD.--August 1974 to current year.

REMARKS.--Laboratory chemical analyses 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 1991 TO SEPTEMBER 1992

DATE	TIME	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)
OCT 29...	0915	E140	320	336	7.5	7.4	19.0	20.0	4.5	49
NOV 18...	0730	E170	300	310	7.6	7.5	12.0	14.5	8.4	79
DEC 16...	0830	3200	110	96	7.4	7.1	9.0	2.0	9.3	81
JAN 13...	0845	1150	142	148	7.7	7.4	7.5	9.5	13.2	114
FEB 25...	0845	3200	115	81	7.4	7.3	13.0	13.5	10.8	105
MAR 24...	0830	5300	100	98	7.8	7.3	10.0	5.0	10.4	93
APR 28...	1110	840	162	149	7.5	7.5	14.0	14.5	8.2	81
MAY 26...	0700	390	180	178	7.8	7.4	20.0	17.0	6.1	69
JUN 23...	0700	580	175	166	7.8	7.5	22.0	17.0	6.3	74
JUL 28...	0700	400	189	201	8.0	7.5	26.0	21.5	5.5	69
AUG 25...	0740	480	180	178	8.4	7.6	24.0	23.0	6.2	75
SEP 29...	0715	E340	218	236	7.4	7.4	21.0	15.0	6.0	69

DATE	TUR-BID- IDITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	HARD- NESS TOTAL (MG/L AS CaCO3)	ALKA- LITY WAT WH TOT FET LAB MG/L AS CaCO3	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)
OCT 29...	17	2.5	170	110	92	0.530	0.050	1.93	9.0
NOV 18...	10	2.0	1100	92	84	0.460	0.040	1.97	9.8
DEC 16...	32	1.3	4900	46	33	0.310	<0.030	0.160	5.4
JAN 13...	7.0	—	490	66	53	0.530	<0.030	0.360	2.9
FEB 25...	40	1.8	1700	46	39	0.340	0.050	0.350	7.7
MAR 24...	44	0.7	2300	46	36	0.290	0.060	0.140	6.4
APR 28...	12	0.5	80	58	53	0.500	0.030	0.400	3.5
MAY 26...	17	0.8	70	62	56	0.530	<0.030	0.500	3.0
JUN 23...	29	1.3	1100	62	62	0.610	<0.030	0.440	4.0
JUL 28...	25	1.2	3300	70	56	0.590	0.040	0.780	5.0
AUG 25...	24	0.6	600	70	64	0.420	0.040	0.500	5.0
SEP 29...	22	0.8	170	74	67	0.670	0.030	1.19	5.4

MOBILE RIVER BASIN

02387500 OOSTANAULA RIVER AT RESACA, GA.

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

DRAINAGE AREA.--1,600 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1892 to current year. Monthly discharge only for October, 1892, published in WSP 1304. Gage-height records collected at same site since 1892 are contained in reports of National Weather Service.

REVISED RECORDS.--WSP 697: 1896-1928. WSP 1504: 1897-1903, 1905-07, 1909, 1912-13, 1914-15(M), 1916-18, 1919(M), 1920-22, 1923(M), 1924, 1927, 1929-30, 1932, 1933(M), 1936(M), 1938(M), 1946-47(M). WDR GA-80-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 604.14 ft above National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Since June 1, 1979, auxiliary water-stage recorder at Calhoun waterworks intake 6.5 mi downstream. Oct. 28, 1948, to May 31, 1979, nonrecording auxiliary gage located at State Highway 136 connector 7.1 mi downstream.

REMARKS.--Records good. Flow regulated by Carters Lake and re-regulation dam. (See "Lakes and Reservoirs in Mobile River Basin," stations 02381400 and 02382400). Periods of monthly discharge only are not included in statistics computations.

AVERAGE DISCHARGE.--99 years, 2,819 ft³/s, 23.93 in/yr, unadjusted.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known since at least 1834, 36.6 ft Apr. 1, 1886, from information by Georgia Department of Archives; discharge, 68,600 ft³/s.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1070	978	1280	3310	2850	6650	4760	2230	1100	1280	927	2050
2	993	1210	5000	2750	2200	5270	3960	2410	1280	1840	901	1770
3	976	1130	7480	7490	1940	4740	3370	2330	1350	2640	852	1740
4	975	1050	9460	9700	1840	4440	3100	2170	2090	3540	945	2410
5	996	1040	9590	9320	1820	3760	2930	1850	2820	3250	1090	3450
6	996	1040	7680	8710	1670	3150	2880	1550	2580	3060	1280	2790
7	975	1020	2870	4880	1620	2980	2920	1510	1980	3650	1320	2260
8	943	1030	2320	3140	1600	3360	3190	1610	1700	3540	1370	2510
9	932	1160	2190	2780	1540	2830	3120	1830	1850	3320	1150	2440
10	929	1240	2800	2610	1480	3450	3000	1930	2390	2780	1010	2370
11	936	1230	4220	2450	1480	6080	2570	1580	2850	2210	1010	2310
12	946	1200	2970	2270	1560	5610	2150	1460	4580	1540	1030	2080
13	961	1190	2310	2210	1580	4830	2060	1490	5690	1220	2090	1320
14	938	1180	2560	2600	1610	4150	2040	1620	6320	1220	2940	1040
15	927	1190	4410	2940	3320	3300	2030	1660	5870	1210	1870	950
16	905	1240	3980	2490	6640	3010	1990	1670	5690	1370	1480	904
17	918	1450	2460	2240	5360	2670	1940	1640	4100	1490	1520	865
18	929	1450	2080	2150	4010	2990	1970	1460	3250	1450	1570	881
19	941	1510	1840	2080	3960	9770	1770	1580	3380	1380	1670	954
20	958	1470	1720	1950	3460	11300	1750	1600	3020	1170	1610	940
21	936	1680	1680	1860	3080	9160	2810	1590	2450	879	1560	959
22	930	4380	1640	1840	2680	5550	6100	1500	2180	847	2260	1050
23	909	5820	1670	5270	3990	7370	6100	1220	2040	865	2800	1020
24	914	3560	2820	8510	6530	8920	4320	1150	2090	965	2150	1140
25	924	2270	3530	7780	7480	7150	3680	1100	1890	968	1860	1270
26	928	1540	2760	4970	13300	6320	3290	1100	1530	894	1680	978
27	949	1390	2470	3660	14300	6320	2880	1110	1430	901	1600	980
28	940	1340	4080	3780	13400	5210	2940	1030	1310	912	3300	1020
29	919	1290	8540	3730	11500	4030	2660	1010	1200	816	4130	1170
30	900	1270	8330	3370	---	3560	2150	1060	1160	784	3340	1190
31	901	---	6120	3290	---	4590	---	1120	---	790	2360	---
TOTAL	29294	48548	122860	126130	127800	162520	90430	48170	81170	52781	54675	46811
MEAN	945	1618	3963	4069	4407	5243	3014	1554	2706	1703	1764	1560
MAX	1070	5820	9590	9700	14300	11300	6100	2410	6320	3650	4130	3450
MIN	900	978	1280	1840	1480	2670	1750	1010	1100	784	852	865

MOBILE RIVER BASIN

02387500 OOSTANAULA RIVER AT RESACA, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1975 - 1992, BY WATER YEAR (WY) (SINCE REGULATION)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	1444	2071	3062	4407	4959	5758	4448	2862	2006	1684	1230	1286
MAX	5843	5560	8388	8517	15450	13530	10630	6948	6110	5327	2735	2732
(WY)	1990	1978	1983	1982	1990	1980	1977	1984	1989	1976	1984	1975
MIN	396	462	629	830	1539	1314	1060	751	397	452	511	542
(WY)	1979	1988	1988	1981	1988	1988	1986	1988	1988	1988	1986	1978

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1975 - 1992	
ANNUAL TOTAL	1112482		991189			
ANNUAL MEAN	3048		2708		2925	
HIGHEST ANNUAL MEAN	†3097		†2708		5056	
LOWEST ANNUAL MEAN					978	
HIGHEST DAILY MEAN	16700		Feb 23		44400	
LOWEST DAILY MEAN	720		Sep 17		330	
ANNUAL SEVEN-DAY MINIMUM	784		Sep 11		352	
INSTANTANEOUS PEAK FLOW			14300		Feb 18 1990	
INSTANTANEOUS PEAK STAGE			784		Oct 16 1987	
ANNUAL RUNOFF (CFSM)	1.90		1.69		32.59	
ANNUAL RUNOFF (INCHES)	25.83		†26.25		1.83	
10 PERCENT EXCEEDS	6210		5690		24.81	
50 PERCENT EXCEEDS	2060		1960		6590	
90 PERCENT EXCEEDS	977		944		1770	
					606	

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1893 - 1974, BY WATER YEAR (WY) (PRIOR TO REGULATION)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	1052	1533	2900	4190	5129	5260	4218	2851	1987	1891	1487	1099
MAX	5149	9206	13060	12390	10740	13070	10310	8421	6379	7892	6890	4319
(WY)	1907	1930	1933	1947	1946	1917	1936	1929	1909	1916	1920	1898
MIN	260	331	625	958	1027	1268	1487	707	634	562	292	257
(WY)	1905	1905	1918	1956	1941	1918	1941	1941	1925	1925	1925	1925

SUMMARY STATISTICS WATER YEARS 1893 - 1974

ANNUAL MEAN	2795	
HIGHEST ANNUAL MEAN	4471	1920
LOWEST ANNUAL MEAN	1246	1941
HIGHEST DAILY MEAN	50000	Mar 31 1951
LOWEST DAILY MEAN	180	Sep 7 1925
ANNUAL SEVEN-DAY MINIMUM	203	Sep 4 1925
INSTANTANEOUS PEAK FLOW	54800	Mar 31 1951
INSTANTANEOUS PEAK STAGE	34.60	Mar 31 1951
INSTANTANEOUS LOW FLOW	a180	Sep 7,8 1925
ANNUAL RUNOFF (CFSM)	1.74	
ANNUAL RUNOFF (INCHES)	23.71	
10 PERCENT EXCEEDS	5850	
50 PERCENT EXCEEDS	1700	
90 PERCENT EXCEEDS	610	

†Adjusted for change in contents in Carters Lake and Carters Re-regulation Dam.

a Observed, gage height, 0.5 ft.

MOBILE RIVER BASIN

02387500 OOSTANAULA RIVER AT RESACA, GA.--Continued

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.43	3.22	3.83	7.40	6.72	11.41	9.09	5.39	3.33	3.68	2.97	5.08
2	3.25	3.73	9.37	6.56	5.59	9.72	8.05	5.69	3.67	4.70	2.91	4.60
3	3.22	3.57	12.36	12.36	5.11	9.06	7.24	5.55	3.80	6.07	2.81	4.54
4	3.21	3.39	14.50	14.74	4.92	8.68	6.84	5.29	5.14	7.48	3.01	5.68
5	3.26	3.37	14.63	14.37	4.88	7.79	6.55	4.73	6.38	7.06	3.30	7.35
6	3.26	3.36	12.59	13.76	4.58	6.91	6.48	4.20	5.98	6.77	3.69	6.32
7	3.21	3.33	6.73	9.41	4.49	6.64	6.55	4.12	4.96	7.63	3.76	5.44
8	3.14	3.33	5.83	7.18	4.46	7.22	6.98	4.29	4.46	7.48	3.85	5.85
9	3.11	3.62	5.58	6.61	4.35	6.39	6.86	4.70	4.74	7.17	3.43	5.73
10	3.11	3.79	6.59	6.33	4.22	7.29	6.67	4.87	5.66	6.30	3.14	5.63
11	3.12	3.77	8.62	6.05	4.22	10.72	5.96	4.24	6.42	5.35	3.16	5.53
12	3.15	3.71	6.89	5.73	4.37	10.15	5.25	4.02	8.86	4.17	3.19	5.13
13	3.18	3.69	5.80	5.62	4.41	9.17	5.11	4.07	10.24	3.57	5.11	3.75
14	3.13	3.68	6.20	6.31	4.48	8.31	5.06	4.31	11.02	3.57	6.58	3.21
15	3.10	3.68	8.86	6.87	7.20	7.14	5.06	4.40	10.46	3.56	4.76	3.02
16	3.05	3.80	8.29	6.12	11.53	6.69	4.98	4.42	10.24	3.85	4.06	2.92
17	3.08	4.22	6.06	5.68	10.00	6.12	4.90	4.36	8.22	4.08	4.13	2.83
18	3.10	4.24	5.38	5.51	8.36	6.58	4.94	4.03	7.06	3.99	4.22	2.87
19	3.14	4.36	4.92	5.37	8.29	14.75	4.59	4.25	7.24	3.88	4.40	3.03
20	3.18	4.27	4.68	5.14	7.64	16.27	4.56	4.29	6.68	3.47	4.30	3.00
21	3.12	4.63	4.60	4.96	7.09	14.17	6.28	4.27	5.76	2.86	4.22	3.04
22	3.11	8.56	4.53	4.92	6.45	10.06	10.75	4.10	5.30	2.79	5.43	3.23
23	3.06	10.40	4.58	9.68	8.18	12.25	10.75	3.56	5.07	2.83	6.33	3.16
24	3.07	7.48	6.62	13.57	11.40	13.95	8.52	3.43	5.16	3.05	5.26	3.40
25	3.09	5.58	7.72	12.81	12.35	12.00	7.68	3.33	4.80	3.06	4.76	3.66
26	3.10	4.40	6.58	9.54	18.54	11.02	7.13	3.33	4.15	2.90	4.42	3.08
27	3.16	4.10	6.08	7.90	19.79	11.02	6.47	3.36	3.96	2.91	4.27	3.08
28	3.13	4.00	8.24	8.07	18.86	9.64	6.57	3.19	3.74	2.94	7.04	3.16
29	3.08	3.90	13.60	7.99	16.80	8.14	6.10	3.16	3.52	2.72	8.28	3.46
30	3.04	3.85	13.39	7.52	---	7.51	5.25	3.25	3.44	2.65	7.16	3.51
31	3.04	---	10.89	7.40	---	8.88	---	3.38	---	2.66	5.61	---
MEAN	3.14	4.37	7.89	8.11	8.25	9.54	6.57	4.18	5.98	4.36	4.50	4.14
MAX	3.43	10.40	14.63	14.74	19.79	16.27	10.75	5.69	11.02	7.63	8.28	7.35
MIN	3.04	3.22	3.83	4.92	4.22	6.12	4.56	3.16	3.33	2.65	2.81	2.83
CAL YR 1991	MEAN 6.38		MAX 22.07		MIN 2.67							
WTR YR 1992	MEAN 5.91		MAX 19.79		MIN 2.65							

MOBILE RIVER BASIN

02387500 OOSTANLA RIVER AT RESACA, GA.--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--November 1969 to June 1974, April 1981 to current year.

PERIOD OF DAILY RECORD.--

WATER TEMPERATURES: July 1967 to September 1984.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURES: Maximum recorded, 28.5°C Aug. 21, 1980; minimum recorded, 1.0°C Jan. 9-14, 1970, Jan. 16, 17, 21-24, Feb. 1, 1977, Jan. 12, 13, 1981, Dec. 31, 1983.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND	TEMPER- ATURE WATER (DEG C)	SEDI- MENT, SUS- PENDED (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (T/DAY)
OCT					
10...	0849	923	17.0	12	30
10...	0854	923	17.0	12	30
NOV					
21...	0937	1500	15.5	22	89
21...	0942	1500	15.5	32	130
JAN					
14...	1254	2600	—	26	183
14...	1259	2600	—	25	176
FEB					
06...	1032	1650	8.0	11	49
06...	1037	1650	8.0	13	58
25...	1604	8230	—	124	2760
25...	1609	8230	—	119	2640
26...	1432	13700	—	125	4620
27...	1229	14400	—	90	3500
27...	1234	14400	—	85	3300
MAR					
02...	1133	5260	—	50	710
02...	1138	5260	—	43	611
04...	1135	4480	—	44	532
04...	1140	4480	—	42	508
APR					
02...	0933	4010	10.5	19	206
02...	0938	4010	10.5	18	195
MAY					
13...	0904	1400	19.0	15	57
13...	0909	1400	19.0	15	57
JUN					
24...	0815	2200	20.0	26	154
24...	0820	2200	20.0	22	131
JUL					
29...	0824	772	21.0	15	31
29...	0829	772	21.0	9	19
SEP					
10...	0822	2310	23.5	24	150
10...	0827	2310	23.5	22	137

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM	SED. SUSP. SIEVE DIAM. % FINER THAN .125 MM	SED. SUSP. SIEVE DIAM. % FINER THAN .250 MM	SED. SUSP. SIEVE DIAM. % FINER THAN .500 MM	SED. SUSP. SIEVE DIAM. % FINER THAN 1.00 MM
FEB							
26...	1427	13700	78	89	94	98	99
26...	1432	13700	17	—	—	—	—
MAR							
02...	1133	5260	28	—	—	—	—

MOBILE RIVER BASIN

02387500 OOSTANAULA RIVER AT RESACA, GA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND	BED MAT. SIEVE DIAM. % FINER THAN .062 MM	BED MAT. SIEVE DIAM. % FINER THAN .125 MM	BED MAT. SIEVE DIAM. % FINER THAN .250 MM	BED MAT. SIEVE DIAM. % FINER THAN .500 MM	BED MAT. SIEVE DIAM. % FINER THAN 1.00 MM	BED MAT. SIEVE DIAM. % FINER THAN 2.00 MM	BED MAT. SIEVE DIAM. % FINER THAN 4.00 MM	BED MAT. SIEVE DIAM. % FINER THAN 8.00 MM	BED MAT. SIEVE DIAM. % FINER THAN 16.0 MM
SEP											
28...	0947	1030	—	1	4	6	11	41	87	99	100
28...	0948	1030	1	5	10	34	91	99	100	100	100
28...	0949	1030	—	2	9	53	97	100	100	100	100
28...	0950	1030	1	2	8	56	99	100	100	100	100
29...	1039	1200	2	6	37	91	99	100	100	100	100
29...	1040	1200	—	2	10	53	97	100	100	100	100
29...	1041	1200	1	6	12	50	96	100	100	100	100
29...	1042	1200	—	2	4	37	94	99	100	100	100

MOBILE RIVER BASIN

02387502 OOSTANAULA RIVER BELOW RESACA, GA.

LOCATION.--Lat 34°34'17", long 84°56'49", Gordon County, Hydrologic Unit 03150103, at bridge on Interstate Highway 75, 0.4 mi west of Resaca, and 0.4 mi upstream from Camp Creek.

DRAINAGE AREA.--1,600 mi².

PERIOD OF RECORD.--August 1974 to current year.

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

REMARKS.--Laboratory chemical analyses 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. Flow regulated by Carters Lake and Carters re-regulation reservoir (see "Lakes and Reservoirs in Mobile River Basin", stations 02381400 and 02382400). Discharge obtained from gaging station 02387500, Oostanaula River at Resaca, Ga.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	TIME	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)
OCT 29...	0930	904	110	105	7.7	7.2	19.0	19.5	7.4	81
NOV 18...	0800	1440	88	90	7.8	7.3	13.0	14.5	9.2	89
DEC 16...	0900	4370	100	93	7.5	7.2	10.0	1.0	9.3	83
JAN 13...	0910	2170	110	107	7.6	7.3	8.0	9.5	14.8	129
FEB 25...	0900	5690	100	95	7.4	7.4	14.0	13.5	11.2	111
MAR 24...	0855	9170	80	76	7.9	7.2	10.0	5.0	11.8	106
APR 28...	1050	2970	87	77	7.5	7.3	14.5	13.0	8.9	89
MAY 26...	0720	1080	120	118	7.7	7.4	18.0	16.5	7.3	79
JUN 23...	0730	2080	96	89	7.9	7.3	20.0	15.5	7.5	84
JUL 28...	0730	928	145	154	8.0	7.4	25.0	21.5	6.3	78
AUG 25...	0805	1920	107	102	—	7.4	23.0	25.0	7.2	85
SEP 29...	0730	1160	140	83	7.5	7.4	21.0	15.0	7.2	82

DATE	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	HARD- NESS TOTAL (MG/L AS CaCO3)	ALKA- LITY WAT WH TOT FET LAB MG/L AS CaCO3	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)
OCT 29...	6.0	1.7	110	35	32	0.200	<0.030	0.330	2.8
NOV 18...	3.0	1.1	130	26	25	0.200	<0.030	0.300	3.5
DEC 16...	34	0.9	3300	40	28	0.280	0.030	0.230	5.0
JAN 13...	7.0	—	490	54	41	0.450	<0.030	0.240	2.3
FEB 25...	39	1.5	3000	40	34	0.330	0.040	0.160	3.4
MAR 24...	44	0.8	1700	30	29	0.310	0.050	0.110	5.9
APR 28...	13	1.4	80	30	29	0.260	<0.030	0.150	1.9
MAY 26...	10	1.1	50	42	40	0.400	<0.030	0.270	2.1
JUN 23...	21	1.3	300	38	32	0.340	<0.030	0.150	2.0
JUL 28...	27	0.9	28000	52	44	0.510	0.050	0.520	4.0
AUG 25...	20	1.1	330	60	37	0.260	<0.030	0.150	3.0
SEP 29...	9.0	0.9	330	34	35	0.420	0.030	0.440	3.1

MOBILE RIVER BASIN

02388320 HEATH CREEK BELOW ROCKY MOUNTAIN DAMSITE, NEAR ARMUCHEE, GA.

LOCATION.--Lat 34°21'18", long 85°15'50", Floyd County, Hydrologic Unit 03150103, on right bank 0.6 mi downstream from bridge on Antioch Road, 3.4 mi upstream from Little Armuchee Creek, 5.2 mi west of Armuchee, and 9.7 mi northwest of Rome.

DRAINAGE AREA.--16.6 mi².

PERIOD OF RECORD.--March 1982 to current year.

GAGE.--Water-stage recorder. Datum of gage is 637.00 ft above National Geodetic Vertical Datum of 1929 (levels by Georgia Power Company).

REMARKS.--Records good to fair, except those for the periods of estimated daily discharges, which are fair to poor. Peak flow regulated by power company cofferdam since early 1970's, and low flows regulated by power company dam since November 1991.

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

Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Feb. 26	0100	*220	*3.89

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e4.4	e5.3	7.1	27	22	33	e29	e6.2	2.8	4.0	7.2	14
2	e4.4	e4.5	7.4	30	20	29	e24	e5.4	2.6	5.7	7.1	11
3	e4.4	e3.5	13	96	19	24	e21	e4.7	3.3	5.9	6.8	15
4	e4.5	e3.3	14	109	17	20	e19	e4.3	4.8	6.1	6.8	47
5	e4.5	e3.0	18	77	16	17	e17	e3.8	6.3	6.4	6.6	66
6	e4.4	e2.9	17	57	15	15	e14	e3.5	7.7	6.3	6.7	44
7	e4.2	e2.9	15	43	14	14	e14	e3.4	7.5	6.0	6.7	31
8	e4.1	e3.3	13	34	13	13	e14	e3.6	9.2	5.9	6.2	26
9	e3.9	e2.8	12	29	12	13	e13	e4.2	13	5.6	6.0	21
10	e3.7	e3.3	10	26	11	20	e12	e4.3	14	5.8	6.1	19
11	e3.6	e3.4	8.7	22	11	15	e12	e4.1	10	5.6	5.9	18
12	e3.5	e3.0	7.8	20	10	17	e11	e3.9	10	5.5	6.1	14
13	e3.4	e2.8	8.3	19	9.9	21	e10	4.2	9.4	5.4	8.6	12
14	e3.4	e2.8	12	20	9.6	23	e9.8	4.1	9.5	5.2	7.8	11
15	e3.4	e2.9	13	19	20	24	e9.4	4.1	9.4	5.4	7.7	9.6
16	e3.6	e2.9	14	16	17	21	e9.3	4.2	7.2	6.0	7.7	9.0
17	e3.5	e3.2	13	14	21	17	e11	4.1	7.0	7.4	7.5	8.5
18	e3.5	e3.1	12	13	22	31	e12	3.8	7.0	12	7.2	6.5
19	e3.5	e2.8	11	13	21	e108	e12	3.7	6.9	26	7.2	7.0
20	e3.7	e2.9	10	13	18	e94	e11	3.8	6.5	18	6.9	7.2
21	e3.8	6.2	8.3	13	17	e62	e20	3.6	6.1	12	19	7.1
22	e3.8	22	7.8	13	15	e55	e31	3.5	5.6	10	16	6.4
23	e3.9	28	7.6	80	27	e85	e27	3.5	5.2	9.2	39	4.0
24	e4.1	20	7.6	121	30	e76	e20	3.5	4.9	8.6	31	4.7
25	e3.9	14	7.1	77	109	e59	e15	3.4	4.4	8.1	23	8.5
26	e4.2	10	6.8	55	143	e50	e13	3.3	4.3	7.6	17	8.2
27	e4.2	9.2	7.5	44	72	e41	e11	3.1	3.6	7.4	18	7.4
28	e3.8	8.5	32	37	51	e35	e9.2	3.0	3.4	7.5	54	7.5
29	e3.6	7.9	65	34	40	e30	e8.0	3.0	3.5	7.3	41	7.4
30	e3.5	7.4	50	29	---	e31	e7.2	3.0	3.7	7.1	25	8.0
31	e3.5	---	36	26	---	e32	---	2.9	---	7.8	18	---
TOTAL	119.9	197.8	472.0	1226	822.5	1125	445.9	119.2	198.8	246.8	439.8	466.0
MEAN	3.87	6.59	15.2	39.5	28.4	36.3	14.9	3.85	6.63	7.96	14.2	15.5
MAX	4.5	28	65	121	143	108	31	6.2	14	26	54	66
MIN	3.4	2.8	6.8	13	9.6	13	7.2	2.9	2.6	4.0	5.9	4.0
CFSM	.23	.40	.92	2.38	1.71	2.19	.90	.23	.40	.48	.85	.94
IN.	.27	.44	1.06	2.75	1.84	2.52	1.00	.27	.45	.55	.99	1.04

e Estimated

MOBILE RIVER BASIN

02388320 HEATH CREEK BELOW ROCKY MOUNTAIN DAMSITE, NEAR ARMUCHEE, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1982 - 1992, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	7.51	22.6	37.4	44.7	56.6	51.6	37.3	23.4	13.8	12.1	8.36	6.31
MAX	37.7	60.9	115	83.7	157	132	87.5	74.5	73.3	55.9	39.1	23.7
(WY)	1990	1990	1984	1990	1990	1990	1982	1984	1989	1989	1984	1989
MIN	1.84	2.24	3.73	7.69	15.4	14.8	5.99	2.57	1.39	1.52	1.26	1.94
(WY)	1988	1988	1988	1986	1988	1985	1986	1986	1988	1988	1988	1987

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1982 - 1992	
ANNUAL TOTAL	9649.8		5879.7			
ANNUAL MEAN	26.4		16.1		26.5	
HIGHEST ANNUAL MEAN					47.2	1990
LOWEST ANNUAL MEAN					6.71	1986
HIGHEST DAILY MEAN	500	Feb 20	143	Feb 26	762	Feb 16 1990
LOWEST DAILY MEAN	2.8	Aug 28	2.6	Jun 2	.65	Aug 19 1988
ANNUAL SEVEN-DAY MINIMUM	2.9	Nov 13	2.9	May 27	.74	Dec 7 1987
INSTANTANEOUS PEAK FLOW			220	Feb 26	944	Feb 16 1990
INSTANTANEOUS PEAK STAGE			3.89	Feb 26	8.32	Feb 16 1990
ANNUAL RUNOFF (CFSM)	1.59		.97		1.60	
ANNUAL RUNOFF (INCHES)	21.62		13.18		21.69	
10 PERCENT EXCEEDS	63		34		62	
50 PERCENT EXCEEDS	12		9.2		8.4	
90 PERCENT EXCEEDS	3.5		3.5		2.3	

MOBILE RIVER BASIN

02388500 OOSTANAULA RIVER NEAR ROME, GA.

LOCATION.--Lat 34°18'02", long 85°08'30", Floyd County, Hydrologic Unit 03150103, on left bank 1.2 mi upstream from Dry Creek, 4.5 mi north of Rome, 4.5 mi upstream from confluence with Etowah River, and 6.5 mi downstream from Armuchee Creek.

DRAINAGE AREA.--2,120 mi².

PERIOD OF RECORD.--October 1939 to current year. Gage-height records collected at site 4.2 mi downstream since 1890 are contained in reports of National Weather Service.

GAGE.--Water-stage recorder. Datum of gage is 561.70 ft above National Geodetic Vertical Datum of 1929. Oct. 1, 1939, to Dec. 7, 1950, water-stage recorder at site 3.2 mi downstream at same datum. Since Oct. 1, 1939, auxiliary water-stage recorder at Fifth Avenue Bridge, 4.2 mi downstream. Nonrecording gage at site of auxiliary gage used as base gage for records published as Coosa River at Rome, Jan. 1, 1897, to Dec. 31, 1903.

REMARKS.--Records good to fair, except those for the period of estimated daily discharges, which are fair. Flow regulated by Carters Lake and Carters Re-regulation Dam since 1975. (See "Lakes and Reservoirs in Mobile River Basin," stations 02381400 and 02382400.) Records of chemical analyses for the water years 1968-74, are published in reports of the U.S. Geological Survey.

AVERAGE DISCHARGE.--53 years, 3,622 ft³/s, 23.27 in/yr unadjusted.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known since at least 1834, 40.3 ft in April 1886, at site of present auxiliary gage, from information by Georgia Department of Archives.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e1200	1040	1380	5550	3980	12500	5750	2250	1180	1320	1020	2480
2	e1200	1190	3210	3800	3340	7850	5330	2520	1150	1540	1050	2170
3	e1100	1220	7200	9720	2560	6130	4500	2660	1310	2290	981	2100
4	e1100	1060	9420	13300	2330	5500	4000	2500	1550	2900	932	2940
5	e1100	1050	9850	12300	2220	4980	3860	2240	2860	3710	1020	4920
6	e1100	1100	9620	10900	2140	4260	3560	1840	2940	3400	1160	4550
7	e1050	1060	6010	9000	1970	3890	3400	1630	2600	3420	1350	3420
8	e1000	1040	3190	5060	1970	4090	3580	1630	2150	3770	1520	2800
9	948	1090	2560	3890	1910	3960	3680	1800	1980	3640	1420	2890
10	953	1160	2750	3510	1790	4500	3520	2070	2180	3370	1190	2710
11	968	1170	3800	3260	1710	6460	3330	2000	2940	2840	1190	2630
12	960	1150	4210	3160	1740	7440	2920	1590	3960	2150	1110	2510
13	955	1150	2930	2720	1810	6390	2610	1560	5360	1530	4470	2200
14	942	1140	2910	2960	1830	5700	2370	1560	6470	1280	4450	1440
15	969	1140	4130	3470	3730	4800	2390	1680	6770	1290	3540	1230
16	968	1180	5030	3440	7450	3990	2460	1700	6270	1300	2050	1150
17	951	1270	3670	2890	8130	3440	2310	1740	5610	1770	1670	1110
18	955	1350	2610	2810	6250	3710	2260	1640	4130	1990	1660	1090
19	956	1380	2240	2660	5030	11900	2210	1500	3670	1790	1720	1130
20	940	1470	1970	2400	4710	15300	2070	1690	3650	e1550	1740	1120
21	931	1580	1940	2260	4090	14100	2760	1640	3080	e1250	2320	1090
22	971	4330	1910	2200	3820	10300	5640	1620	2640	e1000	3440	1140
23	984	6140	1870	6160	4870	9840	7510	1450	2330	e980	4230	1210
24	972	5350	2410	11200	8030	10800	6230	1240	2230	e1000	3270	1180
25	975	3180	3920	10700	9990	10500	4730	1190	2200	e1100	2420	1340
26	981	2140	3670	8700	16800	8510	4240	1120	1960	e1100	2000	1330
27	928	1680	3000	5540	20600	7880	3720	1170	1650	e990	1830	1130
28	927	1530	4330	4630	18300	7330	3200	1130	1550	1050	3500	1140
29	975	1470	9720	4680	15800	6090	3250	1090	1400	1020	4710	1140
30	972	1490	9910	4370	---	5010	2710	1080	1280	922	4840	1270
31	968	---	8860	4030	---	5130	---	1150	---	1010	3560	---
TOTAL	30899	52300	140230	171270	168900	222280	110100	51680	89050	58272	71363	58560
MEAN	997	1743	4524	5525	5824	7170	3670	1667	2968	1880	2302	1952
MAX	1200	6140	9910	13300	20600	15300	7510	2660	6770	3770	4840	4920
MIN	927	1040	1380	2200	1710	3440	2070	1080	1150	922	932	1090

e Estimated

MOBILE RIVER BASIN

02388500 OOSTANAULA RIVER NEAR ROME, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1975 - 1992, BY WATER YEAR (WY) (SINCE REGULATION)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	1760	2531	3840	5857	6626	7761	5832	3552	2385	2033	1494	1540
MAX	7212	7437	11120	12030	21170	17900	14380	9076	7410	6904	3926	4071
(WY)	1990	1978	1983	1982	1990	1980	1977	1984	1989	1976	1984	1975
MIN	498	549	762	868	2059	1814	1217	797	544	584	592	676
(WY)	1988	1988	1988	1981	1988	1988	1986	1986	1988	1988	1986	1987

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1975 - 1992	
ANNUAL TOTAL	1345129		1224904			
ANNUAL MEAN	3685		3347		3754	
HIGHEST ANNUAL MEAN	†3734		†3347		6472	
LOWEST ANNUAL MEAN					1301	
HIGHEST DAILY MEAN	23000		20600		42300	
LOWEST DAILY MEAN	850		922		390	
ANNUAL SEVEN-DAY MINIMUM	901		953		428	
INSTANTANEOUS PEAK FLOW			21200		a42600	
INSTANTANEOUS PEAK STAGE			26.69		b36.47	
ANNUAL RUNOFF (CFSM)	1.74		1.58		1.77	
ANNUAL RUNOFF (INCHES)	23.66		21.54		24.12	
10 PERCENT EXCEEDS	8370		7240		8820	
50 PERCENT EXCEEDS	2420		2310		2100	
90 PERCENT EXCEEDS	1050		1040		705	

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1940 - 1974, BY WATER YEAR (WY) (PRIOR TO REGULATION)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	1148	1877	3678	5824	7201	7121	5758	3570	2086	1923	1462	1214
MAX	2848	7483	12610	16640	15340	17270	13620	9041	6932	5600	4561	6283
(WY)	1965	1958	1962	1947	1946	1964	1951	1973	1973	1967	1967	1950
MIN	531	584	788	1156	1446	2613	1720	853	1016	881	721	530
(WY)	1955	1940	1966	1956	1941	1941	1941	1941	1948	1960	1957	1954

SUMMARY STATISTICS WATER YEARS 1940 - 1974

ANNUAL MEAN	3554	
HIGHEST ANNUAL MEAN	5251	1946
LOWEST ANNUAL MEAN	1626	1941
HIGHEST DAILY MEAN	45700	Jan 23 1947
LOWEST DAILY MEAN	408	Oct 25 1954
ANNUAL SEVEN-DAY MINIMUM	444	Oct 20 1941
INSTANTANEOUS PEAK FLOW	47000	Jan 23 1947
INSTANTANEOUS PEAK STAGE	35.13	Jan 22 1937
ANNUAL RUNOFF (CFSM)	1.68	
ANNUAL RUNOFF (INCHES)	22.83	
10 PERCENT EXCEEDS	8040	
50 PERCENT EXCEEDS	1890	
90 PERCENT EXCEEDS	743	

† Adjusted for change in contents in Carters Lake and Carters Re-regulation Dam.

a Gage height, 35.70 ft.

b Backwater from Coosa River.

MOBILE RIVER BASIN

02388520 OOSTANAULA RIVER AT ROME, GA.

LOCATION.--Lat 34°16'13", long 85°10'24", Floyd County, Hydrologic Unit 03150103, at Southern Railway bridge at pumping station at City of Rome waterworks, 1.2 mi upstream from confluence with Etowah River.

DRAINAGE AREA.--2,150 mi², approximately.

PERIOD OF RECORD.--August 1974 to current year.

REMARKS.--Flow regulated by Carters Lake and Carters Re-regulation Dam (see "Lakes and Reservoirs in Mobile River Basin," stations 02381400 and 02382400). Laboratory analyses are provided 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. Discharge obtained from gaging station 02388500, Oostanula River near Rome, Ga.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	TIME	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)
OCT 30...	0810	930	135	129	7.5	7.3	19.0	13.5	6.5	71
NOV 19...	0715	1340	94	95	7.5	7.3	13.0	14.5	9.5	92
DEC 17...	0645	4250	110	101	7.4	7.2	9.0	-2.5	10.6	93
JAN 14...	0640	2670	128	124	7.6	7.2	8.5	7.5	11.6	103
FEB 26...	0805	15200	79	74	7.2	7.1	13.0	10.0	10.2	100
MAR 25...	1230	11000	84	82	7.4	7.2	10.0	9.5	10.6	95
APR 29...	0910	2990	105	94	7.4	7.3	14.0	17.5	9.0	89
MAY 27...	1130	1180	137	136	8.1	7.6	19.0	25.0	7.8	86
JUN 24...	1030	2260	117	105	7.8	7.3	22.0	27.5	7.2	84
JUL 29...	1125	1090	170	170	8.2	7.7	26.0	29.0	6.3	79
AUG 26...	1200	2110	130	123	8.1	7.4	24.0	28.0	6.6	79
SEP 30...	1100	1250	170	174	8.0	7.5	20.0	14.0	6.8	76

DATE	TUR- BID- ITY (NTU)	OXYGEN DEMAND, CHEM- ICAL (LOW LEVEL) (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	HARD- NESS TOTAL (MG/L AS CaCO3)	ALKA- LITY WAT WH TOT FET LAB MG/L AS CaCO3	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDE (MG/L)
OCT 30...	12	—	0.9	20	44	44	3
NOV 19...	8.0	—	0.8	1300	34	31	18
DEC 17...	38	—	1.2	1700	46	36	51
JAN 14...	11	—	—	1100	56	45	12
FEB 26...	50	—	1.6	7900	31	26	56
MAR 25...	32	—	0.9	4900	38	31	36
APR 29...	13	—	2.1	—	44	35	15
MAY 27...	11	—	0.5	20	50	47	15
JUN 24...	22	—	1.2	130	38	39	31
JUL 29...	10	7	1.3	140	72	60	14
AUG 26...	15	10	0.9	790	54	46	24
SEP 30...	14	8	0.6	80	64	59	17

MOBILE RIVER BASIN

02388520 OOSTANAULA RIVER AT ROME, GA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	NITRO- GEN, NO ₂ +NO ₃ TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 30...	0.250	0.070	-	-	0.360	3.0
NOV 19...	0.210	<0.030	-	-	0.380	2.6
DEC 17...	0.300	<0.030	-	-	0.120	4.2
JAN 14...	0.500	<0.030	-	-	0.210	2.1
FEB 26...	0.290	0.030	-	-	0.200	7.6
MAR 25...	0.320	0.050	-	-	0.100	5.4
APR 29...	0.310	<0.030	-	-	0.150	2.2
MAY 27...	0.460	<0.030	-	-	0.250	2.3
JUN 24...	0.400	<0.030	-	-	0.300	2.0
JUL 29...	0.530	<0.030	0.20	0.73	0.330	3.0
AUG 26...	0.360	<0.030	0.20	0.56	0.200	4.0
SEP 30...	0.520	<0.030	0.30	0.82	0.470	3.2

MOBILE RIVER BASIN

02388530 OOSTANULA RIVER AT 5TH AVENUE, AT ROME, GA.

LOCATION.--Lat 34°15'24", long 85°10'18", Floyd County, Hydrologic Unit 03150103, at Fifth Avenue Bridge at Rome, and 0.3 mi upstream from confluence with Etowah River.

DRAINAGE AREA.--2,150 mi², approximately.

PERIOD OF RECORD.--October 1939 to current year. October 1971 to current year in reports of U.S. Geological Survey. Gage-height records since 1890 are contained in reports of National Weather Service.

GAGE.--Water-stage recorder. Datum of gage is 561.70 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Flow regulated by Carters Lake and re-regulation dam since 1975. (See "Lakes and Reservoirs in Mobile River Basin," stations 02381400 and 02382400).

EXTREMES FOR PERIOD OF RECORD.--Since October 1939, maximum gage height, 34.5 ft, Jan. 22, 1947. From 1890 to September 1939, maximum gage height, 37.2, Jan. 15, 1892.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum gage height since at least 1834, 40.3 ft in April 1886, from information by Georgia Department of Archives.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 23.65 ft, Feb. 26.

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992 DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.39	5.30	4.33	10.38	8.25	19.07	10.62	6.83	3.90	4.42	4.49	6.63
2	5.40	5.51	6.19	8.96	6.31	14.80	9.87	7.75	4.50	4.79	3.65	6.85
3	5.33	4.36	11.90	14.36	5.82	12.36	9.20	5.54	4.68	5.53	3.52	6.96
4	5.32	4.78	14.25	16.49	6.00	11.67	8.43	5.35	5.24	7.88	4.30	8.19
5	5.31	5.80	14.05	14.00	5.89	11.19	6.69	5.91	6.32	8.08	4.40	10.39
6	3.71	6.02	13.74	12.81	5.84	10.66	6.52	5.59	7.78	7.13	4.50	8.05
7	3.61	5.82	10.86	12.06	5.69	10.06	8.13	5.40	5.37	7.40	4.90	6.66
8	3.97	5.84	6.31	9.73	5.40	7.37	8.40	5.44	4.94	8.06	5.41	7.24
9	3.51	5.73	6.03	8.72	4.80	7.02	8.47	5.20	6.54	7.95	4.49	7.59
10	4.89	3.85	8.73	8.33	4.80	8.51	8.29	4.97	7.05	7.71	4.35	7.46
11	4.95	4.08	9.63	7.89	5.05	10.24	8.00	4.92	7.61	6.60	4.76	7.34
12	4.95	5.43	9.03	6.43	5.05	10.79	6.15	4.96	8.35	6.03	4.67	7.06
13	3.55	5.51	9.01	6.25	5.12	10.42	5.68	4.96	9.74	5.07	10.24	5.06
14	3.47	5.49	8.57	7.58	5.16	9.44	5.81	5.04	8.68	4.89	9.65	4.33
15	4.91	5.50	6.98	8.00	7.18	7.59	5.78	5.78	8.94	4.88	7.45	5.75
16	4.95	5.25	8.18	7.84	10.95	7.11	5.84	5.03	9.34	4.93	5.07	5.68
17	4.92	3.90	8.21	7.41	10.99	7.87	5.70	4.62	9.19	5.48	4.67	5.62
18	4.92	4.29	7.19	6.81	10.24	8.21	5.61	4.53	7.60	5.96	5.13	5.59
19	4.95	6.10	6.79	5.55	11.42	14.96	5.14	5.15	7.24	4.69	5.10	5.56
20	3.53	5.91	6.51	5.64	10.69	16.99	5.06	5.32	8.16	4.28	5.05	5.02
21	3.44	5.72	6.10	6.11	9.92	15.68	6.58	5.31	5.73	4.61	7.09	4.91
22	5.05	10.55	4.79	5.93	8.92	12.39	9.28	5.26	5.21	4.44	9.81	4.27
23	5.14	13.34	4.78	10.02	8.09	12.92	10.45	5.12	5.66	4.37	8.85	4.34
24	5.14	10.00	6.41	14.41	11.00	15.44	9.53	4.07	5.59	5.46	7.52	4.46
25	5.16	7.03	7.78	14.05	14.71	15.02	8.27	3.97	5.57	5.52	6.49	3.99
26	5.18	7.89	7.70	11.05	23.08	13.64	6.94	4.33	5.79	3.85	6.77	3.93
27	3.52	7.33	7.06	9.02	22.21	12.97	6.45	3.89	5.06	3.72	6.65	3.68
28	3.46	7.16	8.19	9.56	20.51	11.97	7.37	4.29	4.12	4.65	8.48	3.67
29	5.10	7.07	11.77	9.58	20.62	8.74	7.46	4.24	3.96	4.52	9.25	4.42
30	5.16	6.66	12.27	9.29	---	8.14	7.05	4.28	4.27	4.40	7.39	4.28
31	5.16	---	12.76	8.98	---	9.44	---	3.87	---	4.52	6.19	---
MEAN	4.61	6.24	8.58	9.46	9.65	11.38	7.43	5.06	6.40	5.54	6.14	5.83
MAX	5.40	13.34	14.25	16.49	23.08	19.07	10.62	7.75	9.74	8.08	10.24	10.39
MIN	3.44	3.85	4.33	5.55	4.80	7.02	5.06	3.87	3.90	3.72	3.52	3.67
CAL YR 1991	MEAN 7.77		MAX 22.27		MIN 3.44							
WTR YR 1992	MEAN 7.19		MAX 23.08		MIN 3.44							

MOBILE RIVER BASIN

02389000 ETOWAH RIVER NEAR DAWSONVILLE, GA.

LOCATION.--Lat 34°22'57", long 84°03'21", Dawson County, Hydrologic Unit 03150104, at bridge on State Highway 53, 4 mi southeast of Dawsonville. The stilling well for the discontinued gage is located on the left bank, 0.5 mi upstream from the bridge.

DRAINAGE AREA.--107 mi².

PERIOD OF RECORD.--November 1970 to current year. Water-discharge records for water years 1940-76 are published in reports of the U.S. Geological Survey.

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

REMARKS.--Laboratory chemical analyses 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 1991 TO SEPTEMBER 1992

DATE	TIME	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)
NOV 12...	0600	140	23	21	7.0	6.7	6.5	-1.0	--	--
JAN 15...	1700	200	20	20	6.7	6.5	6.5	5.0	11.2	95
MAR 10...	0600	350	20	19	6.7	6.7	13.0	14.5	10.4	103
MAY 19...	0500	170	21	19	6.9	6.9	19.0	16.0	8.1	90
JUL 14...	0510	175	25	20	7.0	6.7	23.0	21.0	7.5	91
SEP 08...	0500	185	34	21	7.2	6.7	20.0	19.5	8.6	98

DATE	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LINITY WAT WH TOT FET LAB MG/L AS CaCO3	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)
NOV 12...	2.0	0.3	130	2	0.090	<0.030	0.040	<1.0
JAN 15...	3.0	0.7	90	7	0.140	0.200	0.160	<1.0
MAR 10...	8.0	0.5	170	6	0.170	<0.030	0.060	1.4
MAY 19...	7.0	0.5	490	9	0.120	<0.030	0.040	1.0
JUL 14...	7.0	1.0	330	7	0.110	0.100	0.050	2.0
SEP 08...	11	0.2	1700	8	0.090	<0.030	0.040	<1.0

MOBILE RIVER BASIN

02392000 ETOWAH RIVER AT CANTON, GA.

LOCATION.--Lat 34°14'23", long 84°29'47", Cherokee County, Hydrologic Unit 03150104, on left bank 100 ft downstream from bridge on State Highway 5 spur and 140 at Canton, 0.8 mi upstream from Canton Creek, and 1.8 mi downstream from Hickory Log Creek.
DRAINAGE AREA.--613 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--March 1892 to September 1905 (prior to October 1896, gage heights only), October 1936 to current year. Monthly discharge only for January to March 1896, published in WSP 1304. Gage heights collected at same site since 1892 are contained in reports of National Weather Service.

REVISED RECORDS.--WSP 1906: 1946(M). WDR GA-80-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 844.55 ft above National Geodetic Vertical Datum of 1929. March 1892 to December 1905, nonrecording gage at site 100 ft upstream at datum 2.0 ft higher. Mar. 16, 1937 to Jan. 17, 1939, nonrecording gage at site 100 ft upstream at present datum. Water-stage recorder at Allatoona Reservoir is used as an auxiliary gage for this station during periods of backwater caused by Allatoona Reservoir.

REMARKS.--Records good.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 6,500 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Feb. 26	1000	6,770	12.79	July 3	0900	*7,660	*13.88

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	732	701	810	1210	1080	1910	1880	1310	937	922	659	963
2	716	1150	969	1140	1040	1740	1770	1280	895	3120	616	857
3	732	872	1620	2010	1020	1650	1710	1250	912	6500	567	828
4	724	711	2380	2190	1010	1580	1670	1200	1710	2880	542	877
5	709	667	1560	1600	1000	1520	1630	1170	2090	2160	523	1500
6	707	649	1280	1400	988	1690	1580	1160	1470	1700	509	1360
7	677	645	1130	1280	969	3060	1590	1190	1200	1480	516	1080
8	660	635	1030	1190	950	2470	1610	1350	1090	1230	548	1010
9	662	634	983	1170	919	1990	1560	1470	1770	1050	549	1010
10	668	627	1180	1170	901	2250	1520	1350	1530	950	520	897
11	663	635	1130	1080	883	2620	1540	1210	1300	996	533	841
12	658	615	991	1020	888	2110	1720	1150	1430	880	508	765
13	638	603	939	1020	894	1880	1660	1130	1630	812	1090	722
14	629	603	1010	1280	919	1740	1540	1140	1550	778	2000	696
15	686	600	1210	1260	2180	1660	1490	1080	1540	759	1090	673
16	817	599	1020	1100	3690	1590	1650	1050	1470	999	1090	651
17	717	596	949	1030	2190	1530	1510	1030	1290	1030	893	636
18	670	589	909	1010	2050	1550	1460	992	1160	1240	948	633
19	656	587	869	995	1940	3120	1430	977	1200	1110	892	670
20	643	597	835	964	1810	2840	1540	1040	1170	879	707	689
21	635	1040	818	938	1560	2240	1870	1070	1020	789	669	685
22	636	3520	823	930	1430	2060	2060	973	944	934	1260	1780
23	649	2530	846	2160	1950	3350	1700	926	898	976	1230	1430
24	646	1530	1270	2600	2850	2710	1540	902	871	874	1090	1010
25	643	1200	1180	1740	2760	2280	1480	876	843	795	855	819
26	644	1010	987	1450	6150	2260	1420	877	846	743	736	745
27	639	919	918	1320	3470	2160	1390	866	878	717	713	759
28	627	862	1190	1310	2520	1960	1370	848	820	734	2310	894
29	622	822	2220	1270	2180	1870	1340	874	789	709	2370	1040
30	603	803	1660	1190	---	1900	1330	1110	785	625	1440	895
31	601	---	1350	1130	---	2130	---	1090	---	604	1130	---
TOTAL	20709	27551	36066	41157	52191	65420	47560	33941	36038	39975	29103	27415
MEAN	668	918	1163	1328	1800	2110	1585	1095	1201	1290	939	914
MAX	817	3520	2380	2600	6150	3350	2060	1470	2090	6500	2370	1780
MIN	601	587	810	930	883	1520	1330	848	785	604	508	633
CFSM	1.09	1.50	1.90	2.17	2.94	3.44	2.59	1.79	1.96	2.10	1.53	1.49
IN.	1.26	1.67	2.19	2.50	3.17	3.97	2.89	2.06	2.19	2.43	1.77	1.66

MOBILE RIVER BASIN

02392000 ETOWAH RIVER AT CANTON, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1897 - 1992, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	696	783	1112	1526	1817	2090	1879	1382	1096	964	848	653
MAX	3302	2461	3258	3939	3933	5163	5262	2889	3391	1853	2534	1964
(WY)	1990	1978	1962	1946	1903	1980	1964	1973	1900	1900	1901	1898
MIN	214	294	415	425	612	620	542	457	280	212	198	230
(WY)	1955	1982	1956	1956	1941	1988	1986	1941	1988	1986	1986	1954

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1897 - 1992	
ANNUAL TOTAL	486054		457126		1234	
ANNUAL MEAN	1332		1249		1979	
HIGHEST ANNUAL MEAN					510	
LOWEST ANNUAL MEAN					1901	
HIGHEST DAILY MEAN	5050		May 6		22700	
LOWEST DAILY MEAN	587		Nov 19		122	
ANNUAL SEVEN-DAY MINIMUM	596		Nov 14		145	
INSTANTANEOUS PEAK FLOW			7660		32300	
INSTANTANEOUS PEAK STAGE			13.88		26.70	
INSTANTANEOUS LOW FLOW			a487		b120	
ANNUAL RUNOFF (CFSM)	2.17		2.04		2.01	
ANNUAL RUNOFF (INCHES)	29.50		27.74		27.36	
10 PERCENT EXCEEDS	2130		2100		2160	
50 PERCENT EXCEEDS	1180		1040		925	
90 PERCENT EXCEEDS	669		639		420	

a Gage height, 2.25 ft.

b Gage height, .94 ft.

MOBILE RIVER BASIN

02392000 ETOWAH RIVER AT CANTON, GA.--Continued

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.59	2.50	2.70	3.33	3.14	4.65	4.60	3.51	2.91	2.88	2.60	2.95
2	2.56	3.24	2.96	3.22	3.07	4.35	4.40	3.45	2.84	6.71	2.52	2.78
3	2.59	2.80	4.13	4.87	3.04	4.18	4.29	3.39	2.87	12.34	2.42	2.73
4	2.57	2.52	5.61	5.21	3.03	4.06	4.22	3.32	4.28	6.76	2.37	2.81
5	2.54	2.44	4.02	4.09	3.02	3.94	4.15	3.27	4.99	5.30	2.33	3.89
6	2.54	2.41	3.45	3.69	3.00	4.26	4.06	3.25	3.83	4.45	2.30	3.62
7	2.48	2.40	3.21	3.46	2.96	7.06	4.07	3.30	3.31	4.03	2.31	3.13
8	2.44	2.38	3.06	3.30	2.93	5.77	4.11	3.58	3.15	3.55	2.38	3.03
9	2.45	2.38	2.99	3.27	2.88	4.80	4.01	3.85	4.39	3.27	2.38	3.03
10	2.45	2.36	3.28	3.27	2.85	5.34	3.94	3.59	3.95	3.11	2.32	2.85
11	2.44	2.38	3.20	3.13	2.82	6.10	3.98	3.34	3.50	3.18	2.35	2.75
12	2.43	2.34	3.00	3.05	2.83	5.02	4.31	3.24	3.75	2.99	2.30	2.62
13	2.40	2.32	2.92	3.05	2.84	4.60	4.20	3.21	4.14	2.87	3.34	2.54
14	2.38	2.32	3.02	3.47	2.88	4.35	3.97	3.22	3.99	2.82	4.93	2.50
15	2.49	2.31	3.33	3.42	5.29	4.19	3.87	3.13	3.97	2.78	3.24	2.45
16	2.73	2.31	3.05	3.17	8.22	4.06	4.19	3.09	3.84	3.18	3.23	2.41
17	2.55	2.31	2.93	3.06	5.19	3.96	3.91	3.06	3.47	3.22	2.93	2.38
18	2.45	2.29	2.87	3.02	4.92	3.99	3.82	3.00	3.26	3.57	3.01	2.38
19	2.42	2.29	2.80	3.01	4.71	7.19	3.77	2.98	3.33	3.35	2.92	2.45
20	2.40	2.31	2.74	2.95	4.47	6.58	3.97	3.07	3.27	2.99	2.60	2.48
21	2.38	3.10	2.72	2.91	4.01	5.28	4.59	3.12	3.05	2.84	2.53	2.48
22	2.38	8.01	2.72	2.90	3.77	4.94	4.94	2.97	2.92	3.07	3.55	4.42
23	2.41	5.94	2.76	5.24	4.76	7.68	4.28	2.89	2.85	3.15	3.45	3.74
24	2.40	3.95	3.46	6.07	6.61	6.30	3.97	2.85	2.80	2.98	3.24	3.02
25	2.40	3.31	3.30	4.34	6.34	5.36	3.86	2.82	2.75	2.84	2.86	2.71
26	2.40	3.03	2.99	3.79	11.97	5.32	3.74	2.81	2.76	2.75	2.66	2.58
27	2.39	2.88	2.88	3.54	7.85	5.11	3.68	2.80	2.81	2.71	2.61	2.61
28	2.36	2.79	3.35	3.51	5.89	4.76	3.64	2.76	2.72	2.74	5.56	2.84
29	2.36	2.72	5.26	3.42	5.15	4.58	3.58	2.81	2.66	2.69	5.60	3.07
30	2.32	2.69	4.19	3.29	---	4.63	3.55	3.18	2.65	2.53	3.78	2.84
31	2.32	---	3.60	3.22	---	5.05	---	3.15	---	2.49	3.21	---
MEAN	2.45	2.90	3.31	3.59	4.50	5.08	4.06	3.16	3.37	3.68	3.03	2.87
MAX	2.73	8.01	5.61	6.07	11.97	7.68	4.94	3.85	4.99	12.34	5.60	4.42
MIN	2.32	2.29	2.70	2.90	2.82	3.94	3.55	2.76	2.65	2.49	2.30	2.38
CAL YR 1991	MEAN 3.73		MAX 10.46		MIN 2.29							
WTR YR 1992	MEAN 3.50		MAX 12.34		MIN 2.29							

MOBILE RIVER BASIN

02392000 ETOWAH RIVER AT CANTON, GA.--Continued

WATER-QUALITY RECORDS

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

PERIOD OF DAILY RECORD.--

WATER TEMPERATURES: June 1971 to September 1976.

REMARKS.--Laboratory chemical analyses 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.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURES: Maximum, 26.0°C July 24, 1972; minimum recorded, 2.5°C Dec. 26, 1975.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	TIME	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)
OCT 29...	1215	625	44	43	7.5	7.4	17.5	19.5	8.5	91
NOV 18...	1045	588	40	41	--	7.1	12.0	13.0	10.2	97
DEC 16...	1145	1020	41	40	--	7.0	7.0	7.5	10.6	89
JAN 13...	0600	996	38	35	7.1	7.0	7.0	9.5	--	--
FEB 25...	0600	2200	35	33	6.8	6.8	13.0	12.5	10.2	100
MAR 24...	0600	2870	33	36	7.1	6.9	10.0	0.0	11.3	103
APR 28...	0840	1380	40	34	7.3	7.0	12.0	14.5	8.3	79
MAY 26...	0500	890	36	33	6.8	7.0	19.0	15.0	8.2	92
JUN 23...	1000	895	45	35	7.8	7.0	20.0	23.0	7.8	88
JUL 28...	0500	712	44	38	7.3	6.9	24.0	22.0	7.2	88
AUG 25...	0500	906	40	40	7.2	7.0	22.0	20.5	7.8	91
SEP 29...	0500	951	46	38	7.4	7.0	19.0	16.0	8.0	89

DATE	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	HARD- NESS TOTAL (MG/L AS CaCO3)	ALKA- LITY WAT WH TOT FET LAB MG/L AS CaCO3	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)
OCT 29...	3.0	1.7	50	20	15	0.100	0.060	0.090	2.2
NOV 18...	2.0	0.6	110	--	14	0.180	<0.030	0.040	1.1
DEC 16...	9.0	1.0	330	--	15	0.270	0.040	<0.020	1.4
JAN 13...	5.0	--	20	--	12	0.340	0.050	0.130	1.1
FEB 25...	40	1.2	700	--	8	0.380	<0.030	0.080	3.7
MAR 24...	54	1.0	3300	--	13	0.350	0.050	0.110	5.6
APR 28...	9.0	0.5	50	--	12	0.250	0.030	0.070	<1.0
MAY 26...	10	0.7	230	--	10	0.260	<0.030	0.070	1.2
JUN 23...	13	1.2	50	--	13	0.250	<0.030	0.140	2.0
JUL 28...	8.0	0.6	50	--	13	0.220	0.050	0.050	2.0
AUG 25...	20	0.4	330	--	13	0.240	<0.030	0.050	3.0
SEP 29...	14	0.6	310	--	17	0.200	<0.030	0.080	2.0

MOBILE RIVER BASIN

02394000 ETOWAH RIVER AT ALLATOONA DAM, ABOVE CARTERSVILLE, GA.

LOCATION.--Lat 34°09'47", long 84°44'28", Bartow County, Hydrologic Unit 03150104, on right bank 0.8 mi downstream from Allatoona Dam, 2 mi upstream from Nashville, Chattanooga, & St. Louis Railway bridge, and 3 mi east of Cartersville.

DRAINAGE AREA.--1,120 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--September 1938 to current year. Prior to October 1949, published as Etowah River above Cartersville.

REVISED RECORDS.--WSP 1032: 1944. WDR GA-80-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 686.92 ft above National Geodetic Vertical Datum of 1929 (levels by U.S. Army Corps of Engineers). Prior to Dec. 19, 1938, nonrecording gage at same site and datum.

REMARKS.--Records good. Flow regulated by Allatoona Reservoir since December 1949. (See "Lakes and Reservoirs in Mobile River Basin," station 02393500.)

AVERAGE DISCHARGE.--54 years, 1,902 ft³/s, 23.06 in/yr, adjusted for storage since 1950.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2430	2540	305	3260	321	7650	2930	4100	1140	800	231	3050
2	2440	799	4120	3280	318	5700	2920	310	1140	796	223	3060
3	2430	1240	4170	3270	1270	5220	2930	307	1150	3730	1430	3050
4	2420	3150	4150	327	1290	5260	291	1450	1140	2850	1450	3060
5	329	3760	4140	320	1290	5290	289	1450	3500	2000	1450	232
6	321	3200	4140	1910	1290	5280	2920	1450	263	2220	1450	222
7	776	3200	328	2880	1300	431	2940	1460	265	2880	1450	2100
8	316	3200	328	2910	312	282	2920	871	2600	2900	809	2740
9	2110	330	4810	2900	307	1330	2930	304	3190	3200	833	2510
10	2120	328	4840	2910	947	1080	2930	307	3200	2020	1420	2980
11	2110	2460	3190	1190	931	1160	309	857	2550	2040	1430	2750
12	326	2580	4870	309	934	2390	298	858	3480	1420	1430	233
13	322	2570	4910	2570	929	2390	876	859	240	1600	1430	217
14	2150	2570	319	2590	932	284	864	2020	235	1580	1420	2750
15	2150	2580	316	2590	311	282	881	854	1690	1580	233	2760
16	2150	317	2480	2600	292	2380	874	294	2260	1580	248	2770
17	2150	316	2480	2610	913	2380	872	295	1710	1580	1150	2770
18	2160	3170	2510	312	4050	2400	309	1430	1660	233	1150	2780
19	321	3190	2540	312	4050	2370	305	1450	3140	232	1150	1880
20	328	1920	2500	1610	4050	2380	1470	1440	238	1110	1150	1810
21	2480	335	316	1610	4050	284	1480	1420	234	1120	1160	833
22	2490	3520	316	958	291	293	1460	1420	1390	1110	242	837
23	2500	1900	1940	973	287	4440	1460	285	1390	2670	232	837
24	2520	319	1960	3220	2100	4420	1500	285	1390	2630	1460	230
25	2500	4080	1950	751	3450	4420	313	853	2030	226	2730	230
26	330	4070	1940	301	306	4440	308	286	1390	223	2750	231
27	333	4080	1950	3190	1760	4440	2330	844	236	1430	2750	231
28	2520	4100	329	3220	5500	281	2340	853	231	1440	2750	1160
29	2530	4120	324	3250	7630	294	2340	847	798	1410	236	838
30	2520	308	3240	3260	---	2450	2340	272	797	1430	229	830
31	2520	---	3250	3270	---	3660	---	278	---	1440	2080	---
TOTAL	53102	70252	74961	64663	51411	85361	46929	30009	44677	51480	38156	49981
MEAN	1713	2342	2418	2086	1773	2754	1564	968	1489	1661	1231	1666
MAX	2530	4120	4910	3280	7630	7650	2940	4100	3500	3730	2750	3060
MIN	316	308	305	301	287	281	289	272	231	223	223	217
MEAN†	887	1576	1823	2231	3169	3274	2147	1292	1388	1585	1311	1135
CFSM†	.79	1.41	1.63	1.99	2.83	2.92	1.92	1.15	1.24	1.42	1.17	1.01
IN.†	.91	1.57	1.87	2.29	3.04	3.36	2.13	1.33	1.38	1.63	1.35	1.13

† Adjusted for change in contents in Allatoona Reservoir.

MOBILE RIVER BASIN

02394000 ETOWAH RIVER AT ALLATOONA DAM, ABOVE CARTERSVILLE, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1950 - 1992, BY WATER YEAR (WY) (SINCE REGULATION)

MEAN	1508	1824	2147	2209	2016	2443	2705	2398	1636	1481	1432	1248
MAX	5880	5316	5447	4724	5256	6533	9407	7214	4847	3789	3524	3685
(WY)	1990	1978	1984	1972	1982	1990	1964	1964	1973	1989	1984	1967
MIN	448	667	332	476	268	596	360	288	736	430	423	399
(WY)	1987	1985	1955	1956	1956	1986	1988	1988	1985	1986	1986	1986

SUMMARY STATISTICS FOR 1991 CALENDAR YEAR FOR 1992 WATER YEAR WATER YEARS 1950 - 1992

ANNUAL TOTAL	806807		660982									
ANNUAL MEAN	2210	†2178	1806	†1813						1921	†1932	
HIGHEST ANNUAL MEAN										3233	1990	
LOWEST ANNUAL MEAN										808	1988	
HIGHEST DAILY MEAN	6080	May 30	7650	Mar 1						13600	Apr 10 1964	
LOWEST DAILY MEAN	253	May 22	217	Sep 13						152	Oct 15 1966	
ANNUAL SEVEN-DAY MINIMUM	753	Feb 15	490	Sep 21						235	Mar 20 1955	
INSTANTANEOUS PEAK FLOW			8420	Dec 10						22600	Mar 22 1964	
INSTANTANEOUS PEAK STAGE			6.93	Dec 10						15.00	Mar 22 1964	
ANNUAL RUNOFF (CFSM)	1.98	†1.94	1.61	†1.62						1.72	†1.72	
ANNUAL RUNOFF (INCHES)	26.82	†26.41	21.97	†21.98						23.32	†24.43	
10 PERCENT EXCEEDS	4190		3510							4610		
50 PERCENT EXCEEDS	2150		1460							1420		
90 PERCENT EXCEEDS	318		285							269		

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1938 - 1949, BY WATER YEAR (WY) (PRIOR TO REGULATION)

MEAN	643	1174	1491	2426	3215	3290	2490	1911	1328	1505	1152	875
MAX	1021	4157	2984	6792	6642	6355	3729	4201	2315	2557	2175	2085
(WY)	1943	1949	1943	1946	1946	1946	1946	1946	1941	1941	1948	1949
MIN	347	474	637	1018	1012	1593	1181	687	613	814	681	420
(WY)	1942	1940	1940	1942	1941	1941	1941	1941	1941	1947	1947	1941

SUMMARY STATISTICS WATER YEARS 1938 - 1949

ANNUAL MEAN	1786											
HIGHEST ANNUAL MEAN	3110	1946										
LOWEST ANNUAL MEAN	1072	1941										
HIGHEST DAILY MEAN	37100	Jan 8 1946										
LOWEST DAILY MEAN	270	Oct 26 1941										
ANNUAL SEVEN-DAY MINIMUM	299	Oct 3 1941										
INSTANTANEOUS PEAK FLOW	a40400	Jan 8 1946										
INSTANTANEOUS PEAK STAGE	20.80	Jan 8 1946										
INSTANTANEOUS LOW FLOW	270	b										
ANNUAL RUNOFF (CFSM)	1.60											
ANNUAL RUNOFF (INCHES)	21.69											
10 PERCENT EXCEEDS	3310											
50 PERCENT EXCEEDS	1210											
90 PERCENT EXCEEDS	555											

† Adjusted for change in contents in Allatoona Reservoir.

a From rating curve extended above 26,000 ft³/s.

b Oct 8, 9, 26, 27, 1941.

MOBILE RIVER BASIN

02394000 ETOWAH RIVER AT ALLATOONA DAM, ABOVE CARTERSVILLE, GA.--Continued

WATER-QUALITY RECORDS

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

REMARKS.--Laboratory chemical analyses 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 1991 TO SEPTEMBER 1992

DATE	TIME	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)
OCT 29...	1040	333	56	53	7.4	6.9	18.5	20.5	7.2	78
NOV 18...	0910	7990	55	55	7.3	7.0	14.0	14.0	8.4	83
DEC 16...	1000	8240	55	54	—	6.8	11.0	6.0	8.0	73
JAN 13...	1030	8110	54	52	—	6.8	8.5	10.5	—	—
FEB 25...	1035	7700	47	48	7.4	7.1	10.0	14.0	11.4	104
MAR 24...	1000	7400	47	44	7.6	6.8	11.0	11.5	10.6	98
APR 28...	0730	316	50	42	6.9	6.9	11.5	10.0	10.4	97
MAY 26...	0825	293	37	44	—	6.7	13.0	16.5	7.5	73
JUN 23...	0830	232	56	49	—	6.8	16.0	19.5	6.0	62
JUL 28...	0835	190	56	49	—	6.7	20.0	22.5	4.2	47
AUG 25...	0905	234	52	47	—	6.7	22.0	25.0	4.5	52
SEP 29...	0830	232	60	51	—	6.9	22.0	17.0	5.3	62

DATE	TUR-BID-ITY (NTU)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, FECAL, EC BROTH (MPN)	ALKA-LINITY WAT WH TOT 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)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)
OCT 29...	4.0	0.8	80	10	1	0.140	0.070	0.050	2.8	190	46
NOV 18...	6.0	1.0	130	18	6	0.120	0.060	0.040	8.0	240	28
DEC 16...	14	0.8	<20	16	9	0.320	0.170	<0.020	2.3	—	—
JAN 13...	7.0	—	20	16	4	0.360	0.060	0.140	2.0	140	10
FEB 25...	10	0.9	50	14	5	0.560	0.050	0.080	2.8	550	19
MAR 24...	11	0.5	<20	13	5	0.440	0.030	0.060	3.3	400	<10
APR 28...	6.0	1.0	50	14	6	0.400	0.030	0.070	1.5	250	<10
MAY 26...	2.0	0.4	50	15	2	0.420	<0.030	0.050	1.2	90	<10
JUN 23...	2.0	1.0	80	15	1	0.360	<0.030	0.090	1.0	50	28
JUL 28...	2.0	0.5	220	14	2	0.320	<0.030	0.050	2.0	150	84
AUG 25...	4.0	0.3	20	17	3	0.060	0.090	<0.020	2.0	—	—
SEP 29...	2.0	0.5	20	21	1	0.070	0.110	0.060	1.9	200	95

MOBILE RIVER BASIN

02394670 ETOWAH RIVER NEAR CARTERSVILLE, GA.

LOCATION.--Lat 34°08'34", long 84°50'20", Bartow County, Hydrologic Unit 03150104, on downstream side of bridge pier on State Highway 61, 3 mi southwest of Cartersville, 9.6 mi downstream from Allatoona Reservoir Dam, and at mile 38.22.

DRAINAGE AREA.--1,345 mi².

PERIOD OF RECORD.--November 1985 to current year (gage heights only). Gage-height records collected from May 1937 to Nov. 22, 1939 at site 200 ft upstream and from Nov. 1939 until at least 1961 at same site are contained in reports of National Weather Service. Gage-height records collected at same site since December 1949 and discharge measurements for the period August 1945 to May 1975 in files of the U.S. Army Corps of Engineers.

GAGE.--Water-stage recorder. Datum of gage is 650.81 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Stage affected by Allatoona Reservoir Dam since December 1949.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in April 1886 reached a stage of 37.0 ft, information supplied by U.S. Weather Service; flood of Dec. 19, 1919 reached a stage of 31.0 ft, information supplied by local resident; flood of Nov. 29, 1948 reached a stage of 30.0 ft from U.S. Weather Service stage records; minimum observed, 3.8 ft, Sept. 25, 1939, from U.S. Weather Service stage records.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 16.63 ft, Feb. 25; minimum, 4.62 ft, July 28, Aug. 7.

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.53	---	4.90	8.92	5.47	13.72	8.72	9.64	6.01	5.66	4.81	8.33
2	---	---	9.06	8.90	5.01	11.95	8.65	5.34	6.03	6.06	4.68	8.67
3	---	---	10.42	10.24	6.32	11.14	8.66	4.90	6.18	8.32	6.35	8.74
4	---	---	10.50	6.40	6.32	11.15	5.49	6.47	6.53	8.89	6.39	8.77
5	---	---	10.06	5.45	6.32	11.22	5.06	6.46	8.63	7.65	6.39	5.59
6	---	---	9.94	7.32	6.34	11.21	8.15	6.49	5.35	7.22	6.38	5.21
7	---	---	5.75	8.33	6.35	6.71	8.61	6.53	4.83	8.66	6.38	7.31
8	---	---	5.00	8.52	4.96	5.41	8.68	5.84	7.57	8.67	5.57	8.26
9	---	---	9.95	8.52	4.95	6.41	8.65	4.97	8.59	9.34	5.64	7.70
10	---	---	10.44	8.54	5.86	7.19	8.60	4.91	8.62	7.24	6.37	8.93
11	---	---	9.01	6.70	5.86	6.89	5.54	5.73	7.97	7.17	6.52	8.28
12	---	---	10.04	5.01	5.84	8.13	5.10	5.73	9.09	6.68	6.36	5.26
13	---	---	10.45	7.66	5.85	8.06	5.75	5.79	5.23	6.61	6.93	4.77
14	---	---	5.51	8.19	5.86	5.36	5.90	7.22	4.92	6.64	7.24	7.95
15	---	7.84	5.18	8.19	6.21	5.12	5.92	5.76	6.81	6.63	4.95	8.22
16	---	5.16	7.78	8.13	6.23	7.56	5.89	4.86	7.54	6.65	5.04	8.21
17	---	4.71	7.89	8.12	6.53	7.95	5.89	4.84	6.82	6.70	6.19	8.22
18	---	8.09	7.89	5.39	9.90	8.00	5.17	6.39	6.76	5.05	6.21	8.22
19	---	8.55	7.91	4.97	10.41	9.06	4.96	6.42	8.44	4.82	6.12	7.21
20	---	6.84	7.88	6.69	10.26	8.45	6.18	6.42	5.10	6.01	6.06	6.88
21	---	5.94	5.07	6.83	10.02	5.71	7.06	6.42	4.78	6.06	6.37	5.75
22	---	12.44	4.90	6.06	5.93	5.31	6.91	6.40	6.36	6.08	6.80	5.64
23	---	9.29	6.74	7.73	5.68	10.62	6.67	4.82	6.40	7.58	8.08	5.83
24	---	5.93	7.29	9.87	7.79	10.80	7.01	4.78	6.42	8.20	7.49	5.00
25	---	9.22	7.22	6.63	10.79	10.53	5.02	5.64	7.16	5.40	7.90	4.77
26	---	9.88	7.17	5.29	10.27	10.55	4.98	4.80	6.38	4.70	8.70	4.74
27	---	9.80	7.21	8.50	8.39	10.50	7.16	5.62	4.76	6.33	8.46	4.72
28	---	9.78	5.76	8.95	11.16	5.88	7.58	5.67	4.74	6.47	8.94	6.04
29	---	9.79	5.84	8.93	13.78	5.19	7.57	5.67	5.61	6.48	5.56	5.68
30	---	5.65	8.66	8.90	---	7.78	7.57	4.83	5.61	6.40	5.00	5.63
31	---	---	8.93	8.88	---	9.56	---	4.79	---	6.41	7.37	---
MEAN	---	---	7.75	7.64	7.40	8.49	6.77	5.81	6.51	6.80	6.49	6.82
MAX	---	---	10.50	10.24	13.78	13.72	8.72	9.64	9.09	9.34	8.94	8.93
MIN	---	---	4.90	4.97	4.95	5.12	4.96	4.78	4.74	4.70	4.68	4.72

MOBILE RIVER BASIN

02394969 ETOWAH RIVER AT EUHARLEE, GA.

LOCATION.--Lat 34°08'52", long 84°55'15", Bartow County, Hydrologic Unit 03150104, on downstream end of pier of bridge on Chulio Road, 0.32 mi downstream from Euharlee Creek, 0.75 mi east of Euharlee, 7.5 mi west of Cartersville, and 17.26 mi downstream from Allatoona Reservoir Dam.

DRAINAGE AREA.--1,598 mi².

PERIOD OF RECORD.--December 1985 to current year (gage height only). Gage-height records since January 1980 in files of the U.S. Army Corps of Engineers.

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

GAGE.--Water-stage recorder. Datum of gage is 638.11 ft above National Geodetic Vertical Datum of 1929 (leveling by global positioning system equipment).

REMARKS.--Stage affected by Allatoona Reservoir Dam since December 1949.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 12.72 ft, Feb. 25; minimum, 2.97 ft, Aug. 8.

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.60	4.59	3.34	5.25	3.92	8.17	5.20	5.66	3.74	3.59	3.35	4.74
2	4.59	3.76	5.00	5.22	3.43	7.07	5.13	3.86	3.80	3.97	3.13	4.98
3	4.59	3.63	6.28	6.46	3.98	6.59	5.13	3.35	3.90	4.72	3.79	5.05
4	4.60	4.79	6.34	4.66	3.97	6.57	3.93	4.01	4.12	5.33	3.88	5.10
5	3.62	5.33	5.94	3.87	3.98	6.59	3.45	4.05	4.97	4.61	3.87	3.98
6	3.23	5.01	5.85	4.40	4.01	6.61	4.58	4.07	3.80	4.28	3.91	3.58
7	3.53	5.00	4.15	4.91	4.01	4.68	5.10	4.11	3.26	4.92	3.89	4.32
8	3.23	5.02	3.46	5.08	3.38	3.76	5.15	3.79	4.36	4.93	3.56	4.90
9	3.88	3.88	5.64	5.08	3.35	3.89	5.11	3.43	5.28	5.38	3.50	4.64
10	4.40	3.22	6.18	5.08	--	4.69	5.07	3.33	5.18	4.33	3.85	5.19
11	4.37	4.09	5.67	4.49	--	4.53	3.99	3.66	4.88	4.26	3.91	4.89
12	3.68	4.62	5.70	3.43	3.71	4.98	3.62	3.69	5.44	4.18	3.78	3.74
13	3.18	4.62	6.16	4.39	3.71	4.91	3.63	3.76	3.74	3.98	4.20	3.28
14	3.99	4.64	4.00	4.87	3.72	3.83	3.83	4.45	3.35	4.04	4.45	4.49
15	4.40	4.63	3.54	4.86	4.25	3.53	3.84	3.73	4.16	4.04	3.42	4.83
16	4.39	3.67	4.55	4.80	4.38	4.36	3.81	3.35	4.59	4.06	3.40	4.82
17	4.37	3.18	4.74	4.81	4.31	4.77	3.82	3.30	4.23	4.08	3.84	4.82
18	4.38	4.46	4.73	3.81	5.77	4.79	3.66	3.93	4.19	3.49	3.87	4.83
19	3.58	4.99	4.72	3.39	6.21	5.78	3.40	4.01	4.96	3.26	3.81	4.43
20	3.21	4.19	4.70	3.99	6.05	5.20	3.69	4.02	3.65	3.67	3.77	4.18
21	4.14	4.22	3.58	4.19	5.86	4.12	4.55	4.02	3.26	3.80	4.03	3.79
22	4.55	8.85	3.34	3.96	4.24	3.67	4.56	4.02	3.90	3.84	4.53	3.65
23	4.56	5.98	3.88	4.95	3.84	6.26	4.28	3.37	3.98	4.40	4.99	3.72
24	4.57	4.28	4.43	5.77	4.62	6.48	4.58	3.27	4.00	4.80	4.54	3.46
25	4.57	5.17	4.39	4.58	7.41	6.25	3.54	3.56	4.35	3.79	4.54	3.26
26	3.59	5.79	4.37	3.67	8.50	6.22	3.42	3.32	3.94	3.25	5.05	3.21
27	3.19	5.71	4.37	4.83	5.41	6.18	4.16	3.52	3.30	3.92	4.93	3.21
28	4.17	5.70	4.05	5.29	6.84	4.24	4.65	3.64	3.20	4.01	5.26	3.71
29	4.56	5.68	3.91	5.28	8.32	3.57	4.64	3.63	3.54	3.91	3.87	3.68
30	4.56	4.08	4.93	5.24	--	4.54	4.63	3.35	3.57	3.93	3.38	3.61
31	4.57	--	5.25	5.22	--	5.57	--	3.25	--	3.91	4.28	--
MEAN	4.09	4.76	4.75	4.70	--	5.24	4.27	3.76	4.09	4.15	4.02	4.20
MAX	4.60	8.85	6.34	6.46	--	8.17	5.20	5.66	5.44	5.38	5.26	5.19
MIN	3.18	3.18	3.34	3.39	--	3.53	3.40	3.25	3.20	3.25	3.13	3.21

MOBILE RIVER BASIN

02394980 ETOWAH RIVER NEAR EUHARLEE, GA.

LOCATION.--Lat 34°11'28", long 84°55'44", Bartow County, Hydrologic Unit 03150104, at bridge on Hardin Bridge Road, 1,000 ft downstream from Ashpole Creek, and 3 mi north of Euharlee.

DRAINAGE AREA.--1,610 mi².

PERIOD OF RECORD.--August 1974 to current year.

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

REMARKS.--Laboratory chemical analyses 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. Flow regulated by Allatoona Reservoir (see "Lakes and Reservoirs in Mobile River Basin", station 02393500).

WATER-QUALITY DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	TIME	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)
OCT 29...	1115	340	90	89	7.1	7.3	18.5	24.5	7.9	85
NOV 18...	0945	310	155	157	7.5	7.7	14.5	14.5	9.0	90
DEC 16...	1030	800	140	138	7.0	7.4	10.0	8.0	9.7	87
JAN 13...	1100	960	145	149	7.4	7.5	10.0	12.5	—	—
FEB 25...	1110	2150	90	87	7.3	7.3	13.0	15.0	8.0	78
MAR 24...	1035	2400	84	83	7.4	7.2	11.0	12.5	10.4	96
APR 29...	0810	1200	90	79	7.3	7.2	12.0	12.5	10.0	95
MAY 26...	0930	720	100	101	7.5	7.4	26.0	25.5	8.7	110
JUN 23...	0900	660	107	100	7.5	7.3	17.0	24.5	7.8	83
JUL 28...	0915	780	95	89	—	7.1	21.0	25.0	6.2	71
AUG 25...	0940	900	94	91	—	7.3	22.0	25.0	7.0	81
SEP 29...	0900	530	100	98	7.2	7.3	22.0	17.0	6.9	81

DATE	TUR- BID- ITY (NTU)	OXYGEN DEMAND, CHEM- ICAL (LOW LEVEL) (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	HARD- NESS TOTAL (MG/L AS CaCO3)	ALKA- LITY WAT WH TOT FET LAB MG/L AS CaCO3	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L)
OCT 29...	5.0	<5	0.9	130	34	31	1
NOV 18...	4.0	12	0.6	170	60	56	4
DEC 16...	13	<5	0.7	330	62	49	7
JAN 13...	5.0	15	—	460	80	55	3
FEB 25...	72	11	1.7	13000	36	30	113
MAR 24...	33	9	0.5	790	30	30	29
APR 29...	7.0	9	1.9	—	40	27	5
MAY 26...	4.0	5	0.6	490	21	34	4
JUN 23...	4.0	6	1.4	170	34	36	3
JUL 28...	9.0	—	0.5	280	32	31	4
AUG 25...	21	—	0.6	330	40	37	19
SEP 29...	4.0	—	0.8	700	38	37	1

MOBILE RIVER BASIN

02394980 ETOWAH RIVER NEAR EUHARLEE, GA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	NITRO- GEN, NO ₂ +NO ₃ TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 29...	0.210	0.050	0.05	0.10	0.31	0.050	2.3
NOV 18...	0.360	<0.030	--	<0.10	--	0.080	2.0
DEC 16...	0.480	0.040	--	<0.10	--	<0.020	1.8
JAN 13...	0.590	<0.030	--	0.20	0.79	0.150	1.5
FEB 25...	0.620	0.090	0.11	0.20	0.82	0.140	5.2
MAR 24...	0.460	0.040	0.26	0.30	0.76	0.070	4.5
APR 29...	0.450	0.040	0.06	0.10	0.55	0.060	1.8
MAY 26...	0.480	<0.030	--	0.10	0.58	0.060	1.3
JUN 23...	0.460	<0.030	--	0.20	0.66	0.080	1.0
JUL 28...	0.360	<0.030	--	--	--	0.050	2.0
AUG 25...	0.250	0.080	--	--	--	0.030	3.0
SEP 29...	0.220	0.060	--	--	--	0.080	1.9

MOBILE RIVER BASIN

02395000 ETOWAH RIVER NEAR KINGSTON, GA.

LOCATION.--Lat 34°12'24", long 84°58'44", Bartow County, Hydrologic Unit 03150104, on downstream side of center pier of bridge on U.S. Highway 411, 1 mi upstream from Two Run Creek, 1.5 mi upstream from Connesena Creek, and 2.5 mi southwest of Kingston.
DRAINAGE AREA.--1,630 mi², approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--July 1928 to December 1931, October 1936 to current year. Monthly discharge only for July 1928, published in WSP 1304, 1734.

REVISED RECORDS.--WSP 1304: 1929-30.

GAGE.--Water-stage recorder. Datum of gage is 609.97 ft above National Geodetic Vertical Datum of 1929 (Dixie Construction Co. benchmark). Prior to Aug. 11, 1928, nonrecording gage, Aug. 11, 1928 to Dec. 28, 1931, water-stage recorder, Nov. 16, 1936 to June 15, 1937, nonrecording gage, and June 16, 1937 to June 27, 1960, water-stage recorder, all 500 ft upstream at same datum.

REMARKS.--Records good, except those for the periods of estimated daily discharges, which are fair. Flow regulated by Allatoona Reservoir since December 1949. (See "Lakes and Reservoirs in Mobile River Basin," station 02393500.) Records of chemical analyses for the water years 1970-74 are published in reports of the U.S. Geological Survey.

AVERAGE DISCHARGE.--59 years (water years 1929-31, 1937-92), 2,564 ft³/s, 21.32 in/yr, unadjusted.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known, about 31 ft, Dec. 11, 1919, from information by local resident, discharge, 52,000 ft³/s.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2730	2710	732	3850	2270	8640	4160	4570	1050	1210	1370	2970
2	2710	2010	2810	3820	951	6920	3840	2460	1530	1740	554	3420
3	2750	1100	5270	5810	1840	6150	3810	912	1660	2480	1090	3530
4	2730	2960	5670	3560	1850	6120	2360	1650	2030	3960	1690	3620
5	1920	3780	4930	1660	1850	6120	1080	1980	3020	3120	1700	2360
6	595	3400	4780	2280	1900	6160	2230	2010	2320	2290	1690	1160
7	858	3370	2590	2940	1910	3790	3740	2050	693	3300	1720	1780
8	767	3410	928	3620	908	1600	3840	1580	1700	3310	1340	3270
9	1070	1950	3580	3620	834	1580	3810	1230	3840	3840	1110	2860
10	2390	574	5220	3630	1450	2960	3720	e820	3720	2530	1500	3750
11	2360	1760	5010	3270	1460	2950	2590	e1020	3260	2260	1770	3260
12	1830	2670	3980	968	1450	3560	1360	1370	4130	2240	1580	1970
13	527	2770	5220	2170	1450	3470	1160	1460	2150	1770	2320	653
14	1060	2780	2590	3260	1460	1940	1670	2550	809	1920	2670	2020
15	2400	2780	1040	3280	2050	1220	1660	1460	1560	1920	1370	3140
16	2400	1540	2450	3170	2700	2290	1620	1120	2760	1950	848	3130
17	2370	528	2980	3180	2370	3220	1630	e700	2220	1970	1310	3130
18	2380	2020	2960	1870	4170	3240	1600	e1200	2140	1480	1640	3140
19	1850	3350	2950	865	5740	4830	976	1860	3130	721	1540	2620
20	546	1940	2920	1780	5390	4110	980	1890	2040	897	1490	2080
21	1270	2490	1370	2150	5050	2460	2680	1880	678	1510	1820	1610
22	2650	8650	741	1830	2980	1440	2950	1880	1270	1570	3110	1210
23	2670	5400	1090	3090	1580	4940	2420	1260	1800	2320	3380	1280
24	2680	2860	2460	4420	2750	6140	2940	714	1830	3080	2550	1300
25	2680	2980	2430	3470	6920	5700	1580	815	2380	2020	2640	632
26	1900	4650	2400	1360	10600	5640	1000	1130	1770	670	3560	552
27	531	4530	2370	2770	4170	5570	1470	767	1180	1190	3340	557
28	1300	4530	2270	4010	6470	3080	2970	1260	616	1940	3860	911
29	2670	4490	1650	4010	8890	1290	2950	1260	834	1690	2190	1340
30	2670	2640	2810	3940	---	2690	2950	1160	1170	1670	844	1180
31	2690	---	3880	3910	---	4050	---	676	---	1760	1790	---
TOTAL	59954	90622	92081	93563	93413	123870	71746	46694	59290	64328	59386	64435
MEAN	1934	3021	2970	3018	3221	3996	2392	1506	1976	2075	1916	2148
MAX	2750	8650	5670	5810	10600	8640	4160	4570	4130	3960	3860	3750
MIN	527	528	732	865	834	1220	976	676	616	670	554	552

e Estimated

MOBILE RIVER BASIN

02395000 ETOWAH RIVER NEAR KINGSTON, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1950 - 1992, BY WATER YEAR (WY) (SINCE REGULATION)

MEAN	1829	2181	2724	3129	3164	3827	3895	3147	2139	1914	1769	1559
MAX	7038	6314	7316	6981	7844	9467	12070	8562	5735	4837	4281	4267
(WY)	1990	1978	1984	1972	1982	1990	1964	1964	1973	1989	1984	1967
MIN	561	859	580	737	1198	1046	754	502	823	518	525	550
(WY)	1987	1989	1955	1956	1986	1986	1988	1988	1988	1986	1986	1986

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1950 - 1992		
ANNUAL TOTAL	1068410		919382				
ANNUAL MEAN	2927	†2895	2512	†2519	2604		
HIGHEST ANNUAL MEAN					4331		1990
LOWEST ANNUAL MEAN					1044		1988
HIGHEST DAILY MEAN	8650	Nov 22	10600	Feb 26	26600		Mar 30 1977
LOWEST DAILY MEAN	527	Oct 13	527	Oct 13	327		Aug 28 1988
ANNUAL SEVEN-DAY MINIMUM	1310	Aug 4	920	Sep 22	428		Dec 22 1954
INSTANTANEOUS PEAK FLOW			16000	Feb 26	27700		Mar 4 1979
INSTANTANEOUS PEAK STAGE			14.80	Feb 26	22.30		Mar 4 1979
ANNUAL RUNOFF (CFSM)	1.79	†1.78	1.54	†1.55	1.59		
ANNUAL RUNOFF (INCHES)	24.32	†24.12	20.93	†20.99	21.65		
10 PERCENT EXCEEDS	5260		4170		5590		
50 PERCENT EXCEEDS	2650		2270		1940		
90 PERCENT EXCEEDS	1070		923		753		

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1928 - 1949, BY WATER YEAR (WY) (PRIOR TO REGULATION)

MEAN	1030	1661	2145	3173	4003	4644	3810	2730	1797	1869	1561	1293
MAX	2029	5853	4398	8424	8844	10120	7740	6283	3221	3007	2811	2936
(WY)	1938	1949	1932	1946	1946	1929	1938	1929	1929	1941	1948	1929
MIN	352	601	822	1364	1299	1810	1615	958	838	1019	765	562
(WY)	1932	1932	1940	1942	1938	1931	1941	1941	1941	1931	1930	1931

SUMMARY STATISTICS WATER YEARS 1928 - 1949

ANNUAL MEAN	2456	
HIGHEST ANNUAL MEAN	4037	1946
LOWEST ANNUAL MEAN	1438	1941
HIGHEST DAILY MEAN	40900	Apr 9 1938
LOWEST DAILY MEAN	268	Oct 19 1931
ANNUAL SEVEN-DAY MINIMUM	284	Oct 16 1931
INSTANTANEOUS PEAK FLOW	42700	Apr 9 1938
INSTANTANEOUS PEAK STAGE	27.70	Apr 9 1938
ANNUAL RUNOFF (CFSM)	1.50	
ANNUAL RUNOFF (INCHES)	20.42	
10 PERCENT EXCEEDS	4500	
50 PERCENT EXCEEDS	1640	
90 PERCENT EXCEEDS	772	

† Adjusted for change in contents in Allatoona Reservoir.

MOBILE RIVER BASIN

02395120 TWO RUN CREEK NEAR KINGSTON, GA.

LOCATION.--Lat 34°14'34", long 84°53'23", Bartow County, Hydrologic Unit 03150104, on right bank 200 ft upstream from bridge on State Highway 293, 1.9 mi upstream from Limekiln Branch, and 3 mi east of Kingston.

DRAINAGE AREA.--33.1 mi².

PERIOD OF RECORD.--May 1980 to current year.

GAGE.--Water-stage recorder. Datum of gage is 723.10 ft above National Geodetic Vertical Datum of 1929 (leveling by global positioning equipment system).

REMARKS.--Records good to fair.

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

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Nov. 22	0730	621	4.82	Aug. 13	1630	1,280	6.13
Feb. 25	2100	1,470	6.37	Aug. 22	0400	*1,510	*6.42

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15	22	23	48	37	82	54	28	e16	19	16	48
2	17	18	28	50	35	75	50	26	e15	23	14	49
3	15	14	95	302	35	65	48	25	e24	18	16	88
4	15	14	65	134	32	59	45	26	e110	19	14	88
5	15	15	46	91	35	55	42	26	49	16	14	125
6	14	14	39	73	30	64	42	24	31	17	14	87
7	16	13	36	61	30	73	43	26	28	17	14	72
8	15	14	32	50	28	55	40	28	32	15	13	65
9	14	13	36	49	27	54	36	28	37	15	17	55
10	14	12	38	47	29	138	35	24	29	16	19	51
11	14	15	32	39	26	91	38	26	e130	17	20	48
12	13	12	30	37	27	72	35	23	97	14	21	43
13	13	13	29	41	26	62	34	24	52	14	580	40
14	15	12	38	38	25	54	33	23	45	16	99	43
15	16	10	35	33	249	50	33	21	42	15	57	38
16	14	9.5	34	31	135	49	32	e20	33	47	82	36
17	14	8.9	30	34	114	45	34	e19	30	85	59	36
18	14	11	28	29	102	68	31	e18	26	91	40	35
19	14	9.4	26	28	101	258	31	e17	26	38	32	34
20	13	11	24	27	74	113	37	e18	26	29	29	36
21	16	92	25	31	62	82	85	e17	25	23	207	38
22	17	346	23	26	56	88	62	e17	25	22	610	30
23	14	73	26	133	144	236	48	e16	21	22	147	31
24	14	47	43	102	120	114	40	e16	20	20	83	31
25	13	41	33	74	632	90	34	e15	21	19	65	29
26	13	34	31	61	688	85	32	e15	21	17	54	26
27	12	30	31	55	219	72	33	e15	21	18	64	26
28	15	27	110	57	140	63	32	e16	20	17	213	29
29	13	25	106	50	103	56	29	e17	20	16	85	25
30	13	25	74	43	---	67	29	e18	17	16	64	24
31	13	---	60	43	---	61	---	e17	---	16	56	---
TOTAL	443	1000.8	1306	1917	3361	2596	1197	649	1089	747	2818	1406
MEAN	14.3	33.4	42.1	61.8	116	83.7	39.9	20.9	36.3	24.1	90.9	46.9
MAX	17	346	110	302	688	258	85	28	130	91	610	125
MIN	12	8.9	23	26	25	45	29	15	15	14	13	24
CFSM	.43	1.01	1.27	1.87	3.50	2.53	1.21	.63	1.10	.73	2.75	1.42
IN.	.50	1.12	1.47	2.15	3.78	2.92	1.35	.73	1.22	.84	3.17	1.58

e Estimated

MOBILE RIVER BASIN

02395120 TWO RUN CREEK NEAR KINGSTON, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1980 - 1992, BY WATER YEAR (WY)

MEAN	21.2	22.4	45.2	57.5	92.8	82.2	59.5	38.7	25.1	21.2	24.5	20.3
MAX	112	59.1	164	140	247	213	156	84.9	60.2	57.9	90.9	57.9
(WY)	1990	1990	1984	1990	1990	1990	1982	1984	1989	1989	1992	1989
MIN	7.25	9.28	8.93	11.5	18.9	24.9	15.4	11.4	7.97	8.27	7.72	8.39
(WY)	1988	1988	1989	1981	1986	1988	1986	1986	1988	1986	1988	1986

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1980 - 1992	
ANNUAL TOTAL	15686.8		18529.8			
ANNUAL MEAN	43.0		50.6		42.3	
HIGHEST ANNUAL MEAN					86.2	
LOWEST ANNUAL MEAN					12.9	
HIGHEST DAILY MEAN	551	Mar 29	688	Feb 26	1740	Feb 3 1982
LOWEST DAILY MEAN	8.9	Nov 17	8.9	Nov 17	4.5	Oct 12 1988
ANNUAL SEVEN-DAY MINIMUM	10	Nov 14	10	Nov 14	5.2	Oct 7 1988
INSTANTANEOUS PEAK FLOW			1510	Aug 22	3180	Feb 3 1982
INSTANTANEOUS PEAK STAGE			6.42	Aug 22	7.91	Feb 3 1982
ANNUAL RUNOFF (CFSM)	1.30		1.53		1.28	
ANNUAL RUNOFF (INCHES)	17.63		20.83		17.37	
10 PERCENT EXCEEDS	76		91		81	
50 PERCENT EXCEEDS	30		31		22	
90 PERCENT EXCEEDS	14		14		8.9	

MOBILE RIVER BASIN

02396000 ETOWAH RIVER AT ROME, GA.

LOCATION.--Lat 34°15'26", long 85°09'30", Floyd County, Hydrologic Unit 03150104, on downstream side of center pier of Southern Railway bridge in Rome, 1,800 ft upstream from U.S. Highway 27, and 2 mi upstream from confluence with Oostanaula River.
DRAINAGE AREA.--1,820 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--July to December 1903, August 1904 to June 1921 (published as "near Rome"), October 1938 to current year.
Monthly discharge only for July to December 1903, published in WSP 1304.

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

GAGE.--Water-stage recorder. Datum of gage is 561.70 ft above National Geodetic Vertical Datum of 1929. July 1 to Dec. 31, 1903, nonrecording gage at Second Avenue Bridge, 1 mi downstream at different datum. Aug. 17, 1904 to June 30, 1921, nonrecording gage at Freemans Ferry, 5 mi upstream at different datum. Since May 15, 1939, auxiliary water-stage recorder at Second Avenue Bridge, 1 mi downstream.

REMARKS.--Records fair, except those for the period of estimated daily discharges, which are fair to poor. Flow regulated by Allatoona Reservoir since 1949. (See "Lakes and Reservoirs in Mobile River Basin".)

AVERAGE DISCHARGE.--70 years (water years 1905-20, 1939-92), 2,945 ft³/s, 21.99 in/yr, unadjusted.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known, Dec. 11, 1919. Flood of Apr. 9, 1938, reached a stage of 37.5 ft, discharge, 46,500 ft³/s, from gage readings and discharge measurements by U.S. Army Corps of Engineers.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2790	2780	1050	4100	3000	8440	4560	3660	876	1420	1920	e3150
2	2820	2850	1950	4060	1240	6680	3870	4170	1730	1690	779	e3800
3	2790	1270	5130	6060	1690	5990	3860	1150	1770	1830	715	e4000
4	2830	2370	6130	5010	2100	5940	3360	1090	2210	4270	1850	e4550
5	2790	3400	5260	2310	2090	5870	1500	2210	2320	3520	1890	e5850
6	846	3480	5010	2400	2130	5950	1770	2220	4020	2650	1870	e2950
7	805	3380	3940	3090	2090	5350	4010	2260	1030	3220	e1700	e2450
8	1230	3410	1270	3960	1600	2220	4140	2330	933	3490	e2400	e3700
9	772	2980	2020	3910	1100	1930	4110	1760	3500	3510	e1150	3610
10	2430	825	5280	3890	1360	3160	3990	1050	3920	3260	e1300	3820
11	2430	1400	5370	3560	1660	3580	3680	1010	3810	2600	e1850	3620
12	2460	2700	3810	1830	1630	3330	1680	1590	3830	2580	e1800	3390
13	793	2790	5320	1840	1630	3680	1460	1620	4050	1990	e6300	1060
14	760	2780	4480	3440	1640	2970	1990	1830	1020	2100	e5300	1220
15	2440	2800	1190	3470	2170	1670	1970	2620	1050	2100	e2750	3380
16	2470	2140	1910	3350	3530	2110	1930	1600	2510	2140	e1100	3370
17	2440	766	3150	3370	2570	3540	1910	964	3080	2230	e1000	3360
18	2440	1470	3120	2680	3360	3550	1870	930	2480	2310	e1650	3360
19	2440	3320	3120	1130	6570	4560	1210	2070	2570	1060	e1550	3130
20	792	2590	3080	1550	5790	4120	1190	2100	3760	854	e1450	2520
21	742	2480	2340	2300	5360	2990	2620	2100	995	1720	e3800	2440
22	2660	6870	1000	2130	3950	1760	3370	2110	915	1780	e6400	1510
23	2720	7260	1080	2880	1800	3700	2650	2100	2030	1830	e3600	1520
24	2720	3550	2560	4600	2860	6110	2550	917	2050	3240	e3400	1770
25	2740	2420	2590	4370	5720	5630	2490	878	2050	3150	e3100	962
26	2730	4760	2540	1930	14800	5510	1270	1480	2540	898	e3800	854
27	778	4670	2500	2740	6360	5390	1210	843	1990	896	e3900	846
28	747	4620	2500	4290	5650	4360	3130	1450	829	2110	e4100	832
29	2700	4580	1810	4270	9010	1740	3160	1460	797	1940	e3800	1790
30	2700	3730	2490	4190	---	2400	3170	1520	1380	1930	e1500	1440
31	2740	---	4270	4150	---	3790	---	886	---	1960	e1500	---
TOTAL	63545	94441	97270	102860	104460	128020	79680	53978	66045	70278	79224	80254
MEAN	2050	3148	3138	3318	3602	4130	2656	1741	2201	2267	2556	2675
MAX	2830	7260	6130	6060	14800	8440	4560	4170	4050	4270	6400	5850
MIN	742	766	1000	1130	1100	1670	1190	843	797	854	715	832

e Estimated

MOBILE RIVER BASIN

02396000 ETOWAH RIVER AT ROME, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1950 - 1992, BY WATER YEAR (WY) (SINCE REGULATION)

MEAN	1984	2325	2923	3518	3639	4501	4384	3427	2322	2082	1944	1732
MAX	7996	6673	8101	7826	9219	11540	12970	9356	6324	4960	4795	4691
(WY)	1990	1978	1984	1972	1990	1990	1964	1964	1973	1989	1984	1967
MIN	646	944	613	782	1180	1052	919	650	988	650	670	673
(WY)	1987	1987	1955	1956	1986	1986	1988	1988	1988	1986	1986	1986

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1950 - 1992		
ANNUAL TOTAL	1162887		1020055				
ANNUAL MEAN	3186		2787		2895		
HIGHEST ANNUAL MEAN	†3154		†2794		5064		
LOWEST ANNUAL MEAN					1224		
HIGHEST DAILY MEAN	9500		14800		31900		
LOWEST DAILY MEAN	742		715		400		
ANNUAL SEVEN-DAY MINIMUM	1460		1180		473		
INSTANTANEOUS PEAK FLOW			17800		a36000		
INSTANTANEOUS PEAK STAGE			25.17		b36.13		
ANNUAL RUNOFF (CFSM)	1.75		1.53		1.59		
ANNUAL RUNOFF (INCHES)	23.78		20.86		21.63		
10 PERCENT EXCEEDS	5970		4630		6120		
50 PERCENT EXCEEDS	2800		2500		2140		
90 PERCENT EXCEEDS	1120		1030		832		

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1904 - 1949, BY WATER YEAR (WY) (PRIOR TO REGULATION)

MEAN	1510	1644	3184	3764	5248	5510	4121	2965	2288	2763	2221	1481
MAX	4508	5886	9013	9297	12270	14950	13440	6281	5227	12610	7312	3248
(WY)	1907	1949	1921	1946	1921	1917	1920	1920	1909	1916	1920	1917
MIN	423	614	840	1365	1525	1549	1719	1011	897	1191	1056	588
(WY)	1905	1905	1940	1914	1941	1914	1905	1941	1941	1947	1947	1904

SUMMARY STATISTICS WATER YEARS 1904 - 1949

ANNUAL MEAN	3023	
HIGHEST ANNUAL MEAN	5782	
LOWEST ANNUAL MEAN	1533	
HIGHEST DAILY MEAN	46300	Dec 11 1919
LOWEST DAILY MEAN	360	Oct 10 1904
ANNUAL SEVEN-DAY MINIMUM	411	Oct 21 1904
INSTANTANEOUS PEAK FLOW	c55000	Dec 11 1919
INSTANTANEOUS PEAK STAGE	d	Dec 11 1919
ANNUAL RUNOFF (CFSM)	1.66	
ANNUAL RUNOFF (INCHES)	22.58	
10 PERCENT EXCEEDS	5590	
50 PERCENT EXCEEDS	1920	
90 PERCENT EXCEEDS	900	

† Adjusted for change in contents in Allatoona Reservoir.

a Gage height, 35.81 ft.

b Backwater from Coosa River.

c Computed from data at upstream stations.

d Over 28 ft, at former site at Freemans Ferry at different datum.

MOBILE RIVER BASIN

02396000 ETOWAH RIVER AT ROME, GA.--Continued

WATER-QUALITY RECORDS

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

REMARKS.--Laboratory analyses are provided 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 1991 TO SEPTEMBER 1992

DATE	TIME	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)
OCT 30...	0800	5130	108	105	7.1	7.4	18.0	12.0	9.0	96
NOV 19...	0630	3660	83	95	6.8	7.4	14.0	13.5	9.8	97
DEC 17...	0610	2650	94	93	7.0	7.3	9.0	-2.0	10.2	89
JAN 14...	0600	2750	118	117	7.0	7.2	10.0	8.0	--	--
FEB 26...	0800	17600	60	59	6.7	7.0	13.0	11.0	11.0	108
MAR 25...	1205	4570	71	67	7.8	7.2	12.0	12.0	10.6	100
APR 29...	0850	5590	128	114	7.9	7.6	13.5	14.0	10.6	103
MAY 27...	1100	714	137	136	--	7.7	18.0	25.0	8.6	93
JUN 24...	1000	2480	133	123	8.1	7.6	20.0	27.5	8.2	92
JUL 29...	1055	2470	117	108	--	7.5	23.0	28.5	7.6	90
AUG 26...	1130	4770	80	75	--	7.2	22.0	27.0	7.0	81
SEP 30...	1030	2250	107	101	--	7.4	20.0	13.0	7.8	87

DATE	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	HARD- NESS TOTAL (MG/L AS CACO3)	ALKA- LITY WAT WH TOT 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)
OCT 30...	17	1.4	230	--	36	29	0.260	0.040	0.150	3.2
NOV 19...	7.0	1.2	250	32	31	21	0.220	<0.030	0.100	2.6
DEC 17...	25	1.4	220	31	29	25	0.380	0.040	0.050	2.2
JAN 14...	11	--	110	50	41	13	0.520	<0.030	0.150	4.8
FEB 26...	150	1.8	3300	24	16	195	0.300	0.050	0.340	8.5
MAR 25...	20	0.7	170	28	23	28	0.440	0.030	0.060	3.5
APR 29...	21	1.9	--	46	42	35	0.460	<0.030	0.080	2.8
MAY 27...	3.0	0.5	20	62	52	2	0.420	<0.030	0.060	1.4
JUN 24...	12	1.3	490	50	44	20	0.420	<0.030	0.110	2.0
JUL 29...	17	0.8	80	46	37	30	0.350	<0.030	0.070	2.0
AUG 26...	44	1.0	460	36	46	90	0.180	0.070	0.050	3.0
SEP 30...	10	0.6	630	41	40	19	0.210	<0.030	0.080	1.9

MOBILE RIVER BASIN

02397000 COOSA RIVER NEAR ROME, GA.

LOCATION.--Lat 34°12'01", long 85°15'24", Floyd County, Hydrologic Unit 03150105, on left bank attached to left lock wall of Mayo's Bar lock near upstream end, 1.5 mi upstream from Webb Creek, 6 mi southwest of Rome, 7.5 mi downstream from confluence of Oostanaula and Etowah Rivers, and at mile 278.6.

DRAINAGE AREA.--4,040 mi², approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1896 to December 1903 (published as "at Rome"), June 1928 to December 1931, March 1937 to December 1958, October 1962 to current year. Water years 1959-62 (annual maximum only). Gage-height records collected at same site for period 1922-49, are contained in reports of National Weather Service.

REVISED RECORDS.--WSP 1674, 1906: 1959(M) WDR GA-90-1: 1937-38(M), 1946(P), 1947(M), 1949(M).

GAGE.--Water-stage recorder. Datum of gage is 553.05 ft above National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Jan. 1, 1897, to Dec. 31, 1903, nonrecording gage at site 7.5 mi upstream at datum 8.65 ft higher. June 21, 1928, to Dec. 31, 1931, and Mar. 10, 1937, to Dec. 31, 1958, water-stage recorder at site 200 ft downstream at same datum. Water-stage recorder at Fifth Avenue in Rome used as auxiliary gage since 1963.

REMARKS.--Records fair. Flow regulated by Allatoona Reservoir since December 1949 and by Carters Lake and Carters re-regulation Reservoir since November 1974. (See "Lakes and Reservoirs in Mobile River Basin, stations 02381400, 02382400 and 02393500.)

AVERAGE DISCHARGE.--61 years (water years 1897-1903, 1929-31, 1938-58, 1963-92), 6,689 ft³/s, 22.50 in/yr, unadjusted.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known since at least 1834, 40.3 ft at site and datum at Rome, equivalent to about 43 ft at present site, from gage-height relation, Apr. 1, 1886, discharge, 100,000 ft³/s, from rating curve extended above 63,000 ft³/s on basis of peak flow at Gadsden, Ala.

REVISIONS.--The daily discharge, in cubic feet per second, for December 25, 1980 has been revised to 1,700 ft³/s and monthly and annual summaries are given below. These figures supercede those published in the report for 1981.

	TOTAL	MEAN	MAX	MIN	MEAN†	CFSM†	IN.†
DECEMBER 1980	100870	3254	5210	1670			
CAL YR 1980	3092410	8449	43300	1040	8445	2.09	28.39
WTR YR 1981	1462650	4007	20200	1250	3899	.97	13.11

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4000	3880	2660	9660	7000	25100	10000	5580	2030	2510	2720	5670
2	4010	4100	4470	7960	4790	18100	8970	6830	2730	2930	1790	5980
3	3920	2620	11400	15300	4160	13800	8120	3740	2930	3880	1660	6130
4	3920	3150	15500	19700	4460	12500	7290	3500	3710	6900	2500	7510
5	3910	4540	15300	15400	4340	11400	5210	4500	5130	7120	2600	10800
6	1960	4840	14900	12800	4290	10300	4930	4150	6930	5980	2670	7530
7	1850	4600	11000	11800	4110	9450	6900	3910	3660	6220	3070	5880
8	2230	4610	5060	8580	3770	5980	7190	3960	3090	7000	3920	6520
9	1760	4490	4640	7430	2920	5600	7310	3560	5340	6900	2600	6900
10	3380	2090	7790	7050	2920	7180	7130	3180	5950	6710	2510	6690
11	3480	2310	8670	6610	3320	9090	6870	3180	6590	5370	3080	6570
12	3480	4040	8000	5140	3310	9820	4590	3390	7340	4700	2930	6250
13	1830	4170	8080	4460	3400	9560	3850	3440	9170	3570	10800	3760
14	1730	4150	7650	6200	3440	8360	4150	3510	7420	3360	9770	2820
15	3430	4150	5610	6620	5700	6190	4120	4600	7770	3310	6310	4720
16	3510	3860	6850	6540	9900	5660	4230	3410	8470	3350	3190	4630
17	3460	2100	7130	6090	10000	6600	4050	2830	8440	4000	2720	4540
18	3470	2490	6090	5610	9170	6990	3930	2770	6450	4660	3350	4490
19	3490	4890	5680	3780	11000	17100	3220	3720	5980	2870	3290	4470
20	1820	4670	5390	3740	9970	20800	3140	3930	7100	2420	3220	3760
21	1700	4360	4940	4620	8920	18700	5280	3930	3990	2860	6150	3620
22	3620	10300	3090	4440	7800	13400	8400	3820	3310	2690	9890	2730
23	3720	14500	3070	8430	6660	13800	10100	3640	4100	2610	7870	2810
24	3710	9210	5170	15700	9930	18100	8860	2270	3980	4110	6690	2950
25	3730	5850	6560	15700	16600	17500	7270	2150	3940	4150	5520	2310
26	3770	6940	6530	10600	30500	15400	5690	2540	4280	2030	5820	2270
27	1790	6390	5900	7610	29800	14300	5050	2040	3320	1880	5730	2020
28	1710	6210	6960	8290	27200	12800	6220	2460	2140	2940	7600	2000
29	3620	6120	10900	8320	27400	7440	6310	2410	2010	2760	8540	2880
30	3720	5680	11700	8030	---	6750	5880	2450	2360	2620	6360	2640
31	3730	---	12900	7680	---	8260	---	2010	---	2750	5100	---
TOTAL	95460	151310	239590	269890	276780	366030	184260	107410	149660	125160	149970	141850
MEAN	3079	5044	7729	8706	9544	11810	6142	3465	4989	4037	4838	4728
MAX	4010	14500	15500	19700	30500	25100	10100	6830	9170	7120	10800	10800
MIN	1700	2090	2660	3740	2920	5600	3140	2010	2010	1880	1660	2000

† Adjusted for change in contents in Carters Lake, Carters Re-regulation Dam, and Allatoona Reservoir.

MOBILE RIVER BASIN

02397000 COOSA RIVER NEAR ROME, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1950 - 1992, BY WATER YEAR (WY) (SINCE REGULATION)

MEAN	3440	4571	6599	9329	10470	12240	10730	7574	4686	4115	3468	3185
MAX	15440	14130	18640	20980	31130	29220	25730	16880	13970	10450	9360	9956
(WY)	1990	1978	1984	1974	1990	1990	1964	1964	1973	1989	1984	1950
MIN	1472	1665	1881	1922	3798	3115	2544	1651	1513	1341	1333	1473
(WY)	1989	1988	1988	1956	1988	1988	1986	1988	1988	1986	1986	1955

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1950 - 1992	
ANNUAL TOTAL	2607950		2257370			
ANNUAL MEAN	7145	†7162	6168	†6175	6693	
HIGHEST ANNUAL MEAN					11880	1990
LOWEST ANNUAL MEAN					2509	1988
HIGHEST DAILY MEAN	29700	Feb 21	30500	Feb 26	64200	Mar 18 1990
LOWEST DAILY MEAN	1700	Oct 21	1660	Aug 3	907	Oct 14 1988
ANNUAL SEVEN-DAY MINIMUM	2560	Oct 8	2280	May 26	1020	Oct 2 1986
INSTANTANEOUS PEAK FLOW			31800	Feb 26	65500	Mar 18 1990
INSTANTANEOUS PEAK STAGE			26.25	Feb 26	35.97	Mar 18 1990
ANNUAL RUNOFF (CFSM)	1.77	†1.77	1.53	†1.53	1.66	
ANNUAL RUNOFF (INCHES)	24.01	†24.07	20.79	†20.80	22.51	
10 PERCENT EXCEEDS	13600		10900		14500	
50 PERCENT EXCEEDS	5610		4710		4370	
90 PERCENT EXCEEDS	3080		2510		1940	

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1897 - 1949, BY WATER YEAR (WY) (PRIOR TO REGULATION)

MEAN	2488	3872	5562	8606	12640	14420	10700	6325	4667	4565	3885	3229
MAX	11830	19240	16020	23820	25380	27110	22290	18480	14150	8742	13790	12110
(WY)	1899	1930	1949	1947	1946	1903	1938	1929	1900	1938	1901	1898
MIN	1051	1291	1682	3036	2705	4382	3541	1860	1871	2203	1608	1106
(WY)	1932	1940	1940	1940	1898	1898	1941	1941	1941	1930	1930	1897

SUMMARY STATISTICS WATER YEARS 1897 - 1949

ANNUAL MEAN	6682	
HIGHEST ANNUAL MEAN	9943	1946
LOWEST ANNUAL MEAN	3236	1941
HIGHEST DAILY MEAN	64600	Jan 22 1947
LOWEST DAILY MEAN	870	Oct 18-22 1931
ANNUAL SEVEN-DAY MINIMUM	879	Oct 17 1931
INSTANTANEOUS PEAK FLOW	71000	Jan 22 1947
INSTANTANEOUS PEAK STAGE	37.00	Jan 22 1947
ANNUAL RUNOFF (CFSM)	1.65	
ANNUAL RUNOFF (INCHES)	22.47	
10 PERCENT EXCEEDS	14100	
50 PERCENT EXCEEDS	3870	
90 PERCENT EXCEEDS	1670	

† Adjusted for change in contents in Carters Lake, Carters Re-regulation Dam, and Allatoona Reservoir.

MOBILE RIVER BASIN

02397000 COOSA RIVER NEAR ROME, GA.--Continued

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12.58	12.48	11.97	14.93	13.95	22.64	15.14	13.37	11.85	12.12	12.20	13.23
2	12.58	12.59	12.75	14.25	12.98	19.17	14.76	13.88	12.22	12.34	11.69	13.37
3	12.54	11.95	15.58	17.28	12.72	16.78	14.42	12.69	12.32	12.72	11.59	13.44
4	12.54	12.17	17.30	19.51	12.85	16.05	14.07	12.60	12.64	13.91	12.08	14.05
5	12.53	12.77	17.25	17.30	12.80	15.62	13.18	12.95	13.17	14.00	12.13	15.38
6	11.59	12.90	16.99	16.13	12.78	15.22	13.08	12.81	13.92	13.52	12.17	14.06
7	11.52	12.80	15.41	15.78	12.71	14.91	13.91	12.72	12.65	13.62	12.37	13.33
8	11.75	12.80	12.98	14.60	12.57	13.50	14.03	12.74	12.42	13.96	12.71	13.61
9	11.46	12.75	12.80	14.14	12.22	13.33	14.08	12.61	13.28	13.91	12.17	13.78
10	12.28	11.65	14.18	13.98	12.21	14.03	14.01	12.47	13.53	13.83	12.12	13.69
11	12.33	11.75	14.55	13.78	12.38	14.81	13.90	12.47	13.77	13.28	12.36	13.64
12	12.33	12.56	14.26	13.13	12.37	15.08	12.96	12.54	14.09	13.02	12.31	13.49
13	11.49	12.62	14.29	12.84	12.42	14.98	12.73	12.56	14.82	12.58	15.42	12.44
14	11.43	12.61	14.11	13.60	12.43	14.51	12.82	12.58	14.14	12.48	15.02	12.04
15	12.29	12.61	13.23	13.79	13.37	13.60	12.81	12.99	14.29	12.46	13.67	12.84
16	12.33	12.48	13.77	13.75	15.11	13.36	12.85	12.55	14.56	12.49	12.46	12.80
17	12.31	11.66	13.90	13.55	15.15	13.78	12.79	12.30	14.53	12.75	12.25	12.76
18	12.31	11.84	13.44	13.34	14.84	13.93	12.74	12.27	13.71	13.01	12.50	12.74
19	12.32	12.92	13.26	12.58	15.51	18.16	12.48	12.64	13.51	12.32	12.48	12.73
20	11.48	12.83	13.13	12.56	15.13	20.13	12.45	12.73	13.99	12.08	12.45	12.42
21	11.40	12.70	12.95	12.91	14.74	19.19	13.25	12.73	12.77	12.29	13.60	12.36
22	12.36	15.12	12.19	12.84	14.29	16.50	14.52	12.68	12.52	12.20	15.08	11.98
23	12.42	16.96	12.18	14.49	13.80	16.59	15.17	12.61	12.79	12.16	14.32	12.01
24	12.41	14.76	13.04	17.40	15.11	18.81	14.71	12.00	12.75	12.78	13.71	12.08
25	12.42	13.33	13.65	17.51	18.01	18.58	14.06	11.92	12.73	12.79	13.17	11.76
26	12.43	13.82	13.64	15.34	25.41	17.46	13.37	12.13	12.86	11.85	13.30	11.73
27	11.45	13.58	13.36	14.21	25.38	16.82	13.12	11.85	12.47	11.75	13.26	11.58
28	11.39	13.50	13.83	14.50	23.70	16.17	13.62	12.09	11.92	12.29	14.09	11.57
29	12.35	13.46	15.39	14.51	23.62	14.14	13.66	12.07	11.83	12.23	14.49	12.03
30	12.41	13.27	15.70	14.39	--	13.84	13.49	12.09	12.04	12.15	13.54	11.93
31	12.41	--	16.16	14.25	--	14.48	--	11.84	--	12.21	12.98	--
MEAN	12.11	12.97	14.10	14.62	15.19	16.01	13.61	12.53	13.14	12.75	13.02	12.83
MAX	12.58	16.96	17.30	19.51	25.41	22.64	15.17	13.88	14.82	14.00	15.42	15.38
MIN	11.39	11.65	11.97	12.56	12.21	13.33	12.45	11.84	11.83	11.75	11.59	11.57
CAL YR 1991	MEAN 13.98		MAX 24.92		MIN 11.39							
WTR YR 1992	MEAN 13.57		MAX 25.41		MIN 11.39							

MOBILE RIVER BASIN

02397000 COOSA RIVER NEAR ROME, GA.--Continued

WATER-QUALITY RECORDS

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

PERIOD OF DAILY RECORD.--February 1986 to September 1987. April 1988 to current year.

INSTRUMENTATION.--Water-quality monitor. Water temperature recorded hourly.

REMARKS.--Laboratory analyses are provided 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.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: Maximum recorded, 31.0°C, July 19, 21, 1986; minimum recorded, 2.0°C, Dec. 25, 1989.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURE: Maximum, 27.0°C, July 27; minimum, 5.0°C, Jan. 20.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	TIME	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)
OCT 30...	0945	5720	100	97	8.0	7.4	18.0	15.5	8.2	88
NOV 19...	0830	5070	140	142	8.0	7.5	14.0	14.0	10.0	98
DEC 17...	0810	7300	125	120	7.9	7.4	9.0	-2.5	9.7	85
JAN 14...	0800	6060	150	149	7.9	7.5	9.0	5.0	--	--
FEB 26...	0930	31000	73	69	7.0	7.1	13.0	8.0	10.2	99
MAR 25...	1050	18400	80	78	7.6	7.1	11.0	8.5	11.3	104
APR 29...	1020	7970	105	90	7.6	7.4	14.0	20.0	9.4	92
MAY 27...	0945	2070	157	152	8.0	7.7	20.0	18.0	7.8	88
JUN 24...	0900	5500	120	113	8.0	7.5	22.0	25.0	7.5	88
JUL 29...	0930	3870	150	152	--	7.7	26.0	25.5	7.0	88
AUG 26...	1000	6810	112	107	8.1	7.4	23.0	24.0	7.1	84
SEP 30...	0910	3300	165	172	8.1	7.6	20.0	12.5	7.5	84

DATE	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	HARD- NESS TOTAL (MG/L AS CaCO3)	ALKA- LITY WAT WH TOT FET LAB MG/L AS CaCO3	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)
OCT 30...	11	0.9	4900	38	34	0.230	<0.030	0.080	2.2
NOV 19...	7.0	1.0	790	52	43	0.330	<0.030	0.130	2.6
DEC 17...	32	1.1	790	50	41	0.390	<0.030	0.090	3.4
JAN 14...	12	--	330	66	53	0.560	<0.030	0.150	1.7
FEB 26...	80	1.6	8600	28	23	0.320	0.060	0.120	5.6
MAR 25...	27	0.8	1100	30	27	0.380	<0.030	0.080	4.7
APR 29...	17	2.1	--	36	36	0.390	0.040	0.090	2.3
MAY 27...	8.0	0.8	410	64	54	0.420	0.040	0.150	1.4
JUN 24...	13	1.0	220	40	41	0.380	0.040	0.170	2.0
JUL 29...	10	1.0	130	54	50	0.390	0.080	0.210	3.0
AUG 26...	38	0.7	790	52	42	0.310	<0.030	0.080	3.0
SEP 30...	10	0.6	330	62	60	0.430	0.040	0.250	2.4

MOBILE RIVER BASIN

02397000 COOSA RIVER NEAR ROME, GA.--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

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

MOBILE RIVER BASIN

02397000 COOSA RIVER NEAR ROME, GA.--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

[illegible]

MOBILE RIVER BASIN

02397410 CEDAR CREEK AT CEDARTOWN, GA.

LOCATION.--Lat 33°59'45", long 85°15'53", Polk County, Hydrologic Unit 03150105, at right downstream bridge pier on Georgia Avenue at Cedartown, 1.1 mi downstream from Pumpkin Pile Creek, and at mile 29.9.

DRAINAGE AREA.--66.9 mi².

PERIOD OF RECORD.--May 1981 to current year.

GAGE.--Water-stage recorder. Datum of gage is 758.88 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Records fair, except those less than 50 ft³/s, which are fair to poor and those for periods of estimated daily discharges, which are poor.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of March 4, 1979, reached a stage of 21.1 ft from floodmarks, discharge, 16,500 ft³/s from rating curve extended above 4,500 ft³/s on basis of contracted-opening and flow-over-road computation of peak flow.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,500 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Feb. 25	1900	*2,800	*13.09	No other peak greater than base discharge.			

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	32	23	50	64	73	156	95	53	28	30	23	35
2	28	22	49	113	68	130	89	48	27	42	22	34
3	27	20	113	670	65	116	84	46	29	37	22	124
4	26	20	88	339	63	107	83	43	42	36	22	221
5	24	20	67	177	63	101	78	43	34	30	21	744
6	23	20	61	128	69	111	74	46	27	30	22	555
7	23	20	57	103	63	98	90	49	21	29	29	252
8	23	20	55	90	59	88	87	50	41	29	72	133
9	25	20	55	101	56	83	78	45	85	26	45	116
10	23	20	e60	89	54	291	73	41	63	25	37	152
11	19	20	e54	79	53	160	70	37	60	25	36	119
12	20	19	e50	74	52	117	69	33	64	24	40	78
13	19	19	e48	74	52	102	66	50	54	24	129	67
14	18	20	e67	75	52	92	63	46	52	24	77	59
15	22	19	e61	67	392	85	61	40	52	23	61	54
16	22	19	e59	63	232	80	63	35	42	24	53	49
17	22	19	e57	61	280	77	60	34	32	24	47	47
18	22	19	55	60	257	122	57	36	30	27	40	46
19	21	20	52	59	190	492	58	33	29	27	33	45
20	21	22	51	58	138	176	72	40	28	26	26	43
21	21	83	51	57	114	126	289	34	26	24	211	42
22	21	574	50	56	99	131	152	30	e26	41	113	42
23	21	114	50	447	238	388	98	26	e25	39	60	41
24	21	75	50	235	173	184	83	21	e25	29	47	40
25	21	64	48	139	1490	142	75	18	e28	26	41	40
26	20	58	47	110	1120	137	67	18	e28	25	38	39
27	21	55	46	97	458	116	62	18	e28	25	45	40
28	21	53	133	106	282	101	60	20	e27	26	65	40
29	21	51	123	95	206	95	57	30	e27	24	47	38
30	22	51	85	86	---	109	54	40	27	24	40	37
31	21	---	71	79	---	108	---	33	---	23	37	---
TOTAL	691	1579	1963	4051	6511	4421	2467	1136	1107	868	1601	3372
MEAN	22.3	52.6	63.3	131	225	143	82.2	36.6	36.9	28.0	51.6	112
MAX	32	574	133	670	1490	492	289	53	85	42	211	744
MIN	18	19	46	56	52	77	54	18	21	23	21	34
CFSM	.33	.79	.95	1.95	3.36	2.13	1.23	.55	.55	.42	.77	1.68
IN.	.38	.88	1.09	2.25	3.62	2.46	1.37	.63	.62	.48	.89	1.88

e Estimated

MOBILE RIVER BASIN

02397410 CEDAR CREEK AT CEDARTOWN, GA.

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1981 - 1992, BY WATER YEAR (WY)

MEAN	30.5	42.3	95.3	123	190	166	122	85.6	45.4	50.8	37.4	30.9
MAX	122	102	292	296	468	497	308	199	120	189	132	112
(WY)	1990	1990	1983	1990	1990	1990	1982	1991	1989	1989	1984	1992
MIN	12.3	13.9	12.9	25.3	51.6	30.9	23.5	18.1	12.0	13.7	15.0	12.4
(WY)	1989	1988	1989	1986	1986	1988	1986	1986	1988	1988	1988	1988

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1981 - 1992	
ANNUAL TOTAL	29115		29767			
ANNUAL MEAN	79.8		81.3		85.0	
HIGHEST ANNUAL MEAN					155	1990
LOWEST ANNUAL MEAN					29.9	1986
HIGHEST DAILY MEAN	1040	Mar 29	1490	Feb 25	4580	Mar 16 1990
LOWEST DAILY MEAN	18	a	18	Oct 14	10	b
ANNUAL SEVEN-DAY MINIMUM	18	Sep 11	19	Nov 12	11	Jun 12 1988
INSTANTANEOUS PEAK FLOW			2800	Feb 25	7910	Mar 16 1990
INSTANTANEOUS PEAK STAGE			13.09	Feb 25	18.36	Mar 16 1990
ANNUAL RUNOFF (CFSM)	1.19		1.22		1.27	
ANNUAL RUNOFF (INCHES)	16.19		16.55		17.27	
10 PERCENT EXCEEDS	160		137		161	
50 PERCENT EXCEEDS	48		50		38	
90 PERCENT EXCEEDS	20		21		15	

a Aug 5, 6, 8, 9, Sep 12-17, and Oct 14.

b Aug 6, 1986, June 17, 18, 24, Aug 19, and Oct 7, 8, 1988.

MOBILE RIVER BASIN

02397500 CEDAR CREEK NEAR CEDARTOWN, GA.

LOCATION.--Lat 34°03'38", long 85°18'41", Polk County, Hydrologic Unit 03150105, at bridge on Cave Springs Road, 4.5 mi upstream from Lake Creek, and 4.5 mi northwest of Cedartown.

DRAINAGE AREA.--115 mi².

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

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

REMARKS.--Laboratory chemical analyses 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-discharge records for the water years 1943-73 are published in reports of the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	TIME	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)
OCT 30...	0900	22	295	301	7.5	7.7	16.0	15.5	6.5	67
NOV 19...	0745	34	280	284	7.3	7.7	14.0	14.5	7.1	70
DEC 17...	0730	290	240	237	7.6	7.5	9.0	-0.5	8.4	74
JAN 14...	0720	130	229	222	7.6	7.5	12.0	5.0	10.2	99
FEB 26...	0845	2700	70	64	7.2	7.0	13.0	10.0	10.8	106
MAR 25...	1120	300	148	143	7.5	7.5	13.0	14.0	10.0	97
APR 29...	1050	125	240	225	8.2	8.1	14.0	21.0	10.8	107
MAY 27...	1015	53	235	255	8.2	7.9	17.0	18.0	7.9	84
JUN 24...	0930	62	160	264	7.9	7.8	20.0	25.0	7.2	82
JUL 29...	1005	51	250	278	-	7.8	22.0	28.0	5.7	67
AUG 26...	1045	96	230	235	-	7.7	21.0	27.5	7.3	84
SEP 30...	0945	42	250	280	8.2	7.7	16.0	11.0	7.2	74

DATE	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	HARD- NESS TOTAL (MG/L AS CACO3)	ALKA- LITY WAT WH TOT 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)
OCT 30...	3.0	1.0	340	140	130	-	0.450	0.050	0.120	4.4
NOV 19...	2.0	0.8	490	140	131	-	0.490	<0.030	0.130	3.5
DEC 17...	5.0	1.2	4900	110	108	3	0.660	<0.030	0.060	2.8
JAN 14...	7.0	-	1700	120	98	-	0.630	<0.030	0.190	2.5
FEB 26...	48	1.4	7900	26	23	-	0.270	<0.030	0.070	6.9
MAR 25...	8.0	0.7	790	64	61	-	0.360	0.050	0.040	2.6
APR 29...	4.0	1.8	700	120	104	-	0.610	<0.030	0.100	1.2
MAY 27...	3.0	0.6	790	120	118	-	0.780	0.090	0.130	1.3
JUN 24...	3.0	1.1	170	120	121	-	0.650	<0.030	0.140	2.0
JUL 29...	2.0	0.5	510	130	123	-	0.640	0.030	0.130	2.0
AUG 26...	6.0	0.1	790	130	106	-	0.550	<0.030	0.060	3.0
SEP 30...	2.0	3.1	4600	130	125	-	0.600	0.040	0.160	3.0

MOBILE RIVER BASIN

02397530 COOSA RIVER NEAR COOSA, GA.

LOCATION.--Lat 34°11'54", long 85°26'46", Floyd County, Ga.-Cherokee County, Ala., Hydrologic Unit 03150105, 6.5 mi southwest of Coosa, and at mile 254.8.

DRAINAGE AREA.--4,360 mi², approximately.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: August 1976 to current year.

pH: August 1976 to current year.

WATER TEMPERATURE: August 1976 to current year.

DISSOLVED OXYGEN: August 1976 to current year.

PERIOD OF RECORD.--August 1974 to current year.

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

REMARKS.--Flow regulated by Allatoona Reservoir and by Carters Lake and Carters Re-regulation Dam (see "Lakes and Reservoirs in Mobile River Basin", stations 02381400, 02382400, and 02393500). Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen is by the U.S. Geological Survey.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum recorded, 265 microsiemens Dec. 3, 1987; minimum recorded, 32 microsiemens Apr. 15, 1979.

pH: Maximum recorded, 9.7 units Dec. 5, 1977; minimum recorded, 6.1 units Sept. 22, 1992.

WATER TEMPERATURE: Maximum recorded, 36.5°C July 25, 1986; minimum recorded, 1.0°C Jan. 13, 1982.

DISSOLVED OXYGEN: Maximum recorded, 15.5 mg/L May 9, 1986; minimum recorded, 1.4 mg/L July 8, 1977.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 231 microsiemens, Sept. 30; minimum, 69 microsiemens, Feb. 26, 27.

pH: Maximum, 9.2 units, May 18, July 30, Aug. 9; minimum, 6.1 units, Sept. 22.

WATER TEMPERATURE: Maximum recorded, 30.5°C, July 30, Aug. 10; minimum, 6.0°C, Jan. 21, 22.

DISSOLVED OXYGEN: Maximum recorded, 14.2 mg/L, July 30; minimum, 1.7 mg/L Sept. 22.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	TIME	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)
OCT 30...	1030	179	174	7.4	7.5	22.0	20.5	6.4	74
NOV 19...	0905	157	158	7.8	7.4	15.0	15.0	8.6	87
DEC 17...	0845	172	163	7.6	7.4	11.0	3.0	9.9	91
JAN 14...	0845	156	154	7.8	7.3	9.0	4.5	10.5	94
FEB 26...	1015	83	79	7.2	7.1	13.0	6.5	8.9	87
MAR 25...	1010	95	88	7.4	7.2	11.0	7.5	9.9	91
APR 29...	1200	131	126	7.8	7.6	15.0	23.0	8.6	87
MAY 27...	0900	164	159	7.6	7.5	21.0	18.5	7.9	91
JUN 24...	0830	147	141	7.5	7.5	23.0	23.0	7.3	87
JUL 29...	0845	167	166	7.7	7.6	27.0	23.5	8.1	104
AUG 26...	0930	132	-	7.2	7.2	24.0	24.0	5.5	66
SEP 30...	0830	215	206	7.5	7.4	23.0	12.0	6.2	73

MOBILE RIVER BASIN

02397530 COOSA RIVER NEAR COOSA, GA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	TUR- BID- ITY (NTU)	OXYGEN DEMAND, CHEM- ICAL (LOW LEVEL) (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	HARD- NESS TOTAL (MG/L AS CACO3)	ALKA- LITY WAT WH TOT FET LAB MG/L AS CACO3	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDE (MG/L)
OCT 30...	9.0	15	1.3	<20	44	54	9
NOV 19...	8.0	13	0.9	<20	34	48	11
DEC 17...	32	15	1.0	790	60	53	29
JAN 14...	14	5	—	170	56	54	15
FEB 26...	150	24	1.6	7900	34	27	281
MAR 25...	42	10	1.0	2300	34	31	50
APR 29...	14	12	1.4	220	46	48	16
MAY 27...	13	13	1.3	20	68	53	14
JUN 24...	23	—	2.0	80	50	49	—
JUL 29...	11	10	1.5	170	48	51	14
AUG 26...	48	82	1.2	330	50	39	30
SEP 30...	10	8	1.2	130	70	72	11

DATE	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 30...	0.360	0.060	0.34	0.40	0.76	0.170	3.2
NOV 19...	0.270	0.070	0.03	0.10	0.37	0.190	4.2
DEC 17...	0.450	<0.030	—	0.40	0.85	0.190	3.7
JAN 14...	0.500	<0.030	—	0.30	0.80	0.200	3.9
FEB 26...	0.330	0.060	0.04	0.10	0.43	0.170	9.7
MAR 25...	0.380	0.040	0.16	0.20	0.58	0.100	5.2
APR 29...	0.360	0.050	0.05	0.10	0.46	0.110	3.4
MAY 27...	0.430	0.050	0.15	0.20	0.63	0.160	2.5
JUN 24...	0.370	0.040	—	—	—	0.310	2.0
JUL 29...	0.330	0.030	0.57	0.60	0.93	0.180	3.0
AUG 26...	0.340	0.150	0.45	0.60	0.94	0.150	8.0
SEP 30...	0.590	0.080	0.22	0.30	0.89	0.340	2.8

MOBILE RIVER BASIN

02397530 COOSA RIVER NEAR COOSA, GA.--Continued

SPECIFIC CONDUCTANCE, MICROSIEMENS PER CENTIMETER AT 25, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	176	126	147	131	--	--	110	91	119	109	80	74
2	178	156	143	128	--	--	116	105	119	108	85	80
3	188	127	144	130	166	128	119	94	130	120	95	84
4	138	121	143	124	128	100	95	89	161	129	106	86
5	139	125	157	133	102	93	98	95	176	155	107	92
6	148	128	154	125	97	89	101	98	172	150	109	91
7	148	128	134	106	104	89	111	101	167	149	115	95
8	154	130	127	104	122	103	121	109	171	154	119	101
9	167	155	130	105	136	122	125	117	170	160	144	121
10	181	168	124	109	163	136	130	118	188	157	158	146
11	213	181	124	108	161	96	128	118	183	175	154	118
12	187	173	149	119	136	99	131	119	190	181	128	118
13	171	144	161	133	133	120	156	128	198	179	125	113
14	146	142	165	124	133	102	164	150	180	160	116	103
15	173	141	130	115	138	111	171	132	174	151	111	101
16	175	151	129	119	163	141	143	130	165	123	116	106
17	195	149	132	121	170	155	145	132	132	127	137	114
18	166	140	136	123	158	122	144	125	130	120	150	117
19	153	141	162	132	--	--	140	122	121	105	133	95
20	153	144	161	130	--	--	154	131	110	96	95	89
21	147	142	132	110	--	--	162	147	111	98	94	89
22	173	146	137	116	--	--	178	154	111	100	98	90
23	180	152	119	93	--	--	151	128	122	102	112	98
24	214	136	131	98	--	--	132	105	128	121	117	88
25	153	137	126	119	183	--	108	97	125	101	93	85
26	159	137	131	123	154	140	102	97	99	69	95	86
27	150	137	132	102	153	134	115	102	74	69	100	87
28	151	140	114	104	146	125	138	115	79	73	104	89
29	171	141	119	105	133	107	124	108	81	73	106	93
30	181	149	--	--	115	104	117	101	--	--	123	107
31	196	129	--	--	114	95	118	105	--	--	147	124
MONTH	214	121	165	93	183	89	178	89	198	69	158	74

[illegible]

MOBILE RIVER BASIN

02397530 COOSA RIVER NEAR COOSA, GA.--Continued

PH (STANDARD UNITS), WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	7.5	7.4	7.7	7.6	--	--	7.3	7.3	7.5	7.4	7.4	7.3
2	7.6	7.4	7.8	7.6	--	--	7.4	7.3	7.5	7.5	7.3	7.2
3	7.7	7.5	7.8	7.7	7.8	7.7	7.4	7.2	7.6	7.5	7.4	7.3
4	7.5	7.4	7.8	7.7	7.7	7.6	7.2	7.2	7.6	7.5	7.5	7.4
5	7.5	7.4	7.8	7.7	7.6	7.5	7.2	7.2	7.7	7.6	7.5	7.4
6	7.6	7.4	7.9	7.8	7.6	7.5	7.3	7.2	7.7	7.6	7.6	7.4
7	8.1	7.6	7.8	7.7	7.6	7.5	7.4	7.3	7.7	7.6	7.6	7.5
8	8.0	7.6	7.8	7.7	7.6	7.5	7.4	7.3	7.7	7.7	7.6	7.5
9	8.1	7.6	7.8	7.7	7.5	7.4	7.5	7.4	7.8	7.7	7.6	7.5
10	7.7	7.5	7.8	7.7	7.7	7.5	7.5	7.5	7.8	7.7	7.8	7.6
11	7.8	7.6	7.8	7.7	7.7	7.4	7.6	7.5	7.8	7.7	7.8	7.6
12	7.8	7.7	7.8	7.7	7.5	7.4	7.6	7.6	7.9	7.8	7.7	7.6
13	8.1	7.7	8.0	7.8	7.6	7.4	7.7	7.6	8.0	7.9	7.7	7.7
14	8.2	7.6	8.0	7.8	7.6	7.4	7.7	7.6	7.9	7.8	7.8	7.7
15	7.8	7.6	7.8	7.7	7.6	7.5	7.8	7.6	7.9	7.8	7.8	7.7
16	7.7	7.7	7.8	7.7	7.7	7.6	7.7	7.7	7.8	7.6	7.8	7.7
17	7.9	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.6	7.8	7.7
18	7.8	7.6	7.7	7.7	7.8	7.6	7.7	7.7	7.7	7.7	7.9	7.7
19	7.6	7.6	7.7	7.7	--	--	7.7	7.7	7.8	7.7	7.8	7.4
20	7.8	7.6	7.8	7.6	--	--	7.8	7.7	7.8	7.7	7.4	7.3
21	7.9	7.6	7.7	7.6	--	--	7.8	7.7	7.8	7.8	7.4	7.3
22	7.7	7.5	7.7	7.5	--	--	7.9	7.8	7.8	7.8	7.4	7.3
23	7.6	7.5	7.5	7.2	--	--	7.8	7.5	7.8	7.8	7.4	7.3
24	7.8	7.5	7.5	7.4	--	--	7.5	7.3	7.8	7.7	7.5	7.4
25	7.6	7.5	7.6	7.5	7.6	7.4	7.4	7.3	7.8	7.6	7.4	7.4
26	7.6	7.5	7.8	7.6	7.5	7.4	7.4	7.3	7.6	7.3	7.4	7.4
27	7.7	7.5	7.8	7.7	7.5	7.5	7.4	7.4	7.3	7.3	7.4	7.3
28	7.7	7.6	7.8	7.7	7.5	7.5	7.5	7.4	7.4	7.3	7.5	7.4
29	7.7	7.6	7.8	7.7	7.4	7.3	7.5	7.4	7.4	7.3	7.4	7.4
30	7.7	7.6	--	--	7.3	7.3	7.4	7.4	--	--	7.5	7.4
31	7.8	7.6	--	--	7.4	7.3	7.5	7.4	--	--	7.7	7.5
MONTH	8.2	7.4	8.0	7.2	7.8	7.3	7.9	7.2	8.0	7.3	7.9	7.2

MOBILE RIVER BASIN

02397530 COOSA RIVER NEAR COOSA, GA.--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	23.5	21.5	20.5	19.5	---	---	9.0	9.0	10.0	9.0	11.5	11.0
2	23.5	22.0	19.5	18.5	---	---	9.5	9.0	9.5	9.0	11.5	11.0
3	23.0	22.0	19.0	17.5	16.0	15.0	10.0	9.0	9.5	9.0	12.5	11.5
4	24.0	22.5	17.5	16.5	14.5	13.5	10.0	9.5	10.5	9.0	13.0	12.0
5	24.0	23.0	16.5	15.0	13.5	12.0	10.0	10.0	11.0	9.5	13.5	12.5
6	23.5	22.5	15.0	13.0	12.0	10.5	10.5	10.0	11.0	9.5	13.5	12.5
7	23.0	22.0	15.0	13.0	10.5	9.5	10.0	10.0	11.0	9.5	14.0	13.0
8	23.0	21.5	14.5	14.0	10.5	9.5	10.0	9.5	11.0	9.5	14.5	13.5
9	24.0	21.5	14.5	13.5	11.5	10.0	9.5	9.0	10.5	9.5	15.5	14.5
10	22.0	20.5	14.5	13.5	12.0	10.0	9.5	9.5	10.5	9.5	17.0	15.5
11	21.5	19.5	14.0	13.0	12.0	11.5	9.5	9.0	10.0	9.5	15.5	14.5
12	20.5	19.0	14.5	13.0	12.5	11.0	9.0	8.5	10.0	9.5	14.0	13.5
13	22.0	19.5	13.0	12.0	13.0	12.0	9.0	8.5	10.0	9.5	13.0	12.0
14	22.0	20.5	13.5	11.5	13.0	12.5	9.5	8.5	10.5	10.0	12.0	11.0
15	21.5	20.5	14.0	12.5	12.5	12.0	9.5	9.0	12.0	10.5	11.5	11.0
16	21.0	19.0	15.0	13.0	12.0	11.0	9.0	8.0	12.0	11.0	11.5	11.0
17	19.5	18.0	15.0	14.0	11.5	10.5	8.0	7.5	12.0	11.5	11.5	11.0
18	20.0	18.5	15.0	14.0	11.0	9.0	7.5	6.5	11.5	11.0	12.0	11.5
19	19.5	18.5	16.0	14.5	---	---	7.0	6.5	11.5	10.5	13.0	12.0
20	20.0	18.0	16.5	15.0	---	---	7.0	6.5	11.0	10.5	13.5	12.5
21	19.5	18.5	16.0	15.5	---	---	7.5	6.0	10.5	10.5	13.0	12.5
22	19.0	18.5	16.5	15.5	---	---	7.5	6.0	11.0	10.0	12.5	12.5
23	19.0	19.0	15.5	14.5	---	---	8.0	6.5	12.0	10.5	12.5	12.0
24	20.5	19.0	14.5	13.5	---	---	8.5	8.0	13.5	12.0	12.0	11.5
25	21.5	20.0	13.5	13.0	10.5	---	8.5	8.0	14.0	13.5	11.5	11.0
26	22.0	20.5	13.0	11.5	9.0	8.5	8.0	7.5	13.5	12.5	12.0	11.0
27	22.5	20.5	12.5	10.5	9.0	9.0	8.0	8.0	12.5	12.0	12.5	11.5
28	22.5	21.0	12.5	11.0	9.5	9.0	9.0	8.0	12.0	11.5	13.0	12.0
29	22.5	21.0	13.5	11.5	9.5	9.0	9.5	9.0	11.5	11.0	13.0	12.5
30	22.5	21.0	---	---	9.5	9.0	9.5	9.0	---	---	13.0	13.0
31	21.5	20.5	---	---	9.5	9.0	10.0	9.0	---	---	13.5	13.0
MONTH	24.0	18.0	20.5	10.5	16.0	8.5	10.5	6.0	14.0	9.0	17.0	11.0

[illegible]

MOBILE RIVER BASIN

02397530 COOSA RIVER NEAR COOSA, GA.--Continued

OXYGEN, DISSOLVED (MG/L), WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	7.7	6.7	7.6	7.0	---	---	10.5	10.3	10.6	10.4	9.7	9.4
2	7.7	6.6	7.9	7.2	---	---	10.7	10.4	10.7	10.4	9.6	9.3
3	8.0	7.3	8.0	7.4	8.7	8.0	10.6	10.1	10.6	10.5	10.0	9.6
4	7.6	7.3	8.3	7.2	8.2	7.7	10.1	9.8	10.7	10.5	10.0	9.8
5	7.5	7.1	8.6	7.8	8.5	7.7	9.8	9.8	10.6	10.5	10.0	9.8
6	7.6	7.1	9.7	8.6	9.1	8.3	9.8	9.8	10.6	10.4	9.9	9.7
7	9.4	7.5	9.4	9.1	9.8	9.2	10.1	9.8	10.5	10.4	9.8	9.5
8	9.1	7.7	9.3	8.9	9.6	9.2	10.2	10.0	10.5	10.3	9.7	9.3
9	9.5	7.3	9.4	9.1	9.8	9.0	10.6	10.2	10.5	10.4	9.3	8.9
10	8.4	7.0	9.3	9.2	10.2	9.2	10.6	10.5	10.6	10.4	8.9	8.7
11	8.4	7.9	9.6	9.2	10.1	8.7	10.6	10.5	10.8	10.5	8.9	8.6
12	8.6	8.1	9.3	9.0	10.1	9.3	10.7	10.6	11.1	10.8	8.9	8.7
13	9.7	7.9	10.1	9.2	9.8	9.6	10.7	10.4	11.2	11.1	9.8	8.9
14	9.6	7.6	10.1	9.6	9.8	9.6	10.6	10.4	11.2	10.9	10.1	9.7
15	8.5	7.2	9.6	9.3	9.8	9.4	10.6	10.3	10.9	10.3	10.3	10.1
16	7.9	7.3	9.4	9.0	9.9	9.5	10.9	10.6	10.3	9.6	10.3	10.2
17	8.3	7.8	9.3	9.1	9.9	9.7	11.2	10.8	9.6	9.4	10.4	10.3
18	8.1	7.9	9.2	8.9	10.5	10.0	11.5	11.2	9.7	9.4	10.4	10.2
19	8.1	7.8	8.9	8.0	---	---	11.6	11.5	10.2	9.7	10.1	9.0
20	9.2	8.0	8.5	8.2	---	---	11.8	11.5	10.4	10.2	9.1	8.9
21	9.3	8.1	8.6	8.2	---	---	11.9	11.7	10.6	10.3	9.1	8.8
22	8.7	7.7	8.4	7.6	---	---	11.9	11.7	10.7	10.4	9.1	9.1
23	8.0	7.6	7.5	6.7	---	---	11.7	10.8	10.5	10.1	9.4	9.1
24	8.0	7.6	7.4	7.0	---	---	10.7	10.3	10.1	9.3	9.8	9.3
25	7.7	7.3	7.7	7.2	11.0	10.0	10.7	10.4	9.2	8.8	9.9	9.7
26	7.5	7.1	9.2	7.7	10.6	10.0	10.8	10.5	8.9	8.7	10.0	9.8
27	7.8	6.9	9.4	8.7	10.7	10.6	10.7	10.7	8.7	8.6	10.0	9.8
28	8.0	7.1	9.5	8.9	10.8	10.7	10.8	10.7	9.1	8.7	10.0	9.8
29	7.6	6.5	9.7	---	10.7	10.3	10.7	10.5	9.6	9.0	9.8	9.7
30	6.6	6.3	---	---	10.3	10.2	10.7	10.5	---	---	9.7	9.6
31	7.5	6.7	---	---	10.4	10.2	10.6	10.5	---	---	9.8	9.5
MONTH	9.7	6.3	10.1	6.7	11.0	7.7	11.9	9.8	11.2	8.6	10.4	8.6

MOBILE RIVER BASIN

02397530 COOSA RIVER NEAR COOSA, GA.--Continued

[illegible]

MOBILE RIVER BASIN

02398000 CHATTOOGA RIVER AT SUMMERVILLE, GA.

LOCATION.--Lat 34°28'03", long 85°20'19", Chattooga County, Hydrologic Unit 03150105, on left bank 600 ft downstream from bridge on U.S. Highway 27, 1 mi southeast of Summerville, and 4 mi upstream from Raccoon Creek.
DRAINAGE AREA.--192 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--March 1937 to current year.

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

GAGE.--Water-stage recorder. Datum of gage is 613.47 ft above National Geodetic Vertical Datum of 1929 (levels by Georgia Department of Transportation). Prior to Nov. 12, 1937, nonrecording gage at same site and datum.

REMARKS.--Records good, except those for periods of estimated daily discharges, which are fair. Low and medium flow had previously been regulated by powerplant at Trion, 6 mi upstream from station, but is no longer in operation.

PEAKS DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 3,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Feb. 26	1300	*5,360	*14.63	Mar. 19	1000	3,080	11.97

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	100	105	548	456	292	603	e420	215	115	342	153	154
2	99	116	2080	463	275	508	e380	204	112	387	138	144
3	98	87	1820	2300	264	444	e360	195	120	381	130	155
4	98	83	1080	1690	257	399	e340	186	493	349	126	282
5	96	81	585	997	248	364	e300	179	368	290	123	346
6	94	80	428	715	243	350	e280	173	246	279	121	230
7	94	79	348	553	235	346	e300	170	209	241	123	206
8	93	79	298	459	226	323	e300	174	197	211	123	184
9	93	77	280	409	211	301	e280	183	217	193	120	168
10	93	77	346	366	197	575	e260	172	270	182	119	156
11	93	77	304	332	191	514	e260	163	219	174	116	167
12	90	76	278	310	189	418	e360	156	240	164	114	161
13	89	76	260	315	188	374	e360	155	297	156	170	152
14	91	76	579	448	190	343	e320	151	294	155	152	144
15	91	75	528	374	1050	333	e300	146	284	158	127	134
16	89	76	405	337	975	315	e500	142	244	154	120	129
17	89	75	343	314	655	298	e380	139	214	162	118	125
18	89	76	308	298	672	496	e340	134	216	168	115	123
19	88	77	273	282	548	2460	e320	131	371	155	113	124
20	85	80	249	267	454	1220	e380	128	257	147	111	121
21	83	102	235	258	396	790	e640	126	218	142	120	121
22	87	387	227	248	359	659	e700	123	194	161	146	117
23	88	239	247	888	817	954	e500	121	180	154	146	117
24	87	155	445	725	932	673	e400	119	170	144	137	114
25	88	127	375	520	1560	567	e380	119	165	140	126	111
26	87	114	327	442	4710	604	e340	119	226	144	120	109
27	89	106	300	387	2010	510	e320	117	197	136	129	112
28	88	100	1150	360	1110	440	e300	115	180	276	374	111
29	88	96	1580	340	792	404	e260	115	169	163	245	106
30	87	94	788	326	---	416	227	122	242	145	192	103
31	90	---	564	311	---	448	---	118	---	155	172	---
TOTAL	2814	3148	17578	16490	20246	17449	10807	4610	6924	6208	4439	4526
MEAN	90.8	105	567	532	698	563	360	149	231	200	143	151
MAX	100	387	2080	2300	4710	2460	700	215	493	387	374	346
MIN	83	75	227	248	188	298	227	115	112	136	111	103
CFSM	.47	.55	2.95	2.77	3.64	2.93	1.88	.77	1.20	1.04	.75	.79
IN.	.55	.61	3.41	3.19	3.92	3.38	2.09	.89	1.34	1.20	.86	.88

e Estimated

MOBILE RIVER BASIN

02398000 CHATTOOGA RIVER AT SUMMERVILLE, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1937 - 1992, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	146	237	385	577	701	728	510	335	200	197	143	156
MAX	679	1150	1420	1709	2187	1970	1103	1029	738	709	497	1309
(WY)	1990	1949,58	1968	1947	1990	1980	1979	1984	1989	1989	1984	1950
MIN	59.2	61.2	73.4	106	157	166	129	90.6	71.2	65.0	68.4	63.2
(WY)	1955	1988	1988	1981	1941	1988	1986	1986	1988	1986	1986	1954

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1937 - 1992	
ANNUAL TOTAL	128882		115239			
ANNUAL MEAN	353		315		358	
HIGHEST ANNUAL MEAN					628	
LOWEST ANNUAL MEAN					133	
HIGHEST DAILY MEAN	6590	Feb 20	4710	Feb 26	19600	Feb 16 1990
LOWEST DAILY MEAN	75	Nov 15, 17	75	Nov 15, 17	a38	b
ANNUAL SEVEN-DAY MINIMUM	76	Nov 12	76	Nov 12	54	Jul 31 1986
INSTANTANEOUS PEAK FLOW			5360	Feb 26	30100	Feb 16 1990
INSTANTANEOUS PEAK STAGE			14.63	Feb 26	22.63	Feb 16 1990
INSTANTANEOUS LOW FLOW			74	Nov 15,17	c38	Aug 3 1986
ANNUAL RUNOFF (CFSM)	1.84		1.64		1.87	
ANNUAL RUNOFF (INCHES)	24.97		22.33		25.35	
10 PERCENT EXCEEDS	645		569		701	
50 PERCENT EXCEEDS	239		207		178	
90 PERCENT EXCEEDS	91		91		83	

a During period affected by regulation.

b Oct 17, 1937 and Nov. 9, 1939.

c After regulation was discontinued.

MOBILE RIVER BASIN

02398000 CHATTOOGA RIVER AT SUMMERVILLE, GA.--Continued

WATER-QUALITY RECORDS

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

REMARKS.--Laboratory analyses are provided 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 1991 TO SEPTEMBER 1992

DATE	TIME	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)
OCT 30...	1130	87	—	706	8.0	8.1	17.0	20.0	6.4	—
NOV 19...	1015	76	650	673	8.2	8.1	14.5	14.5	8.1	81
DEC 17...	0950	344	260	262	8.0	7.8	8.0	4.5	10.3	88
JAN 14...	1000	512	265	262	7.9	7.7	10.5	3.5	10.6	98
FEB 26...	1110	5310	83	79	7.2	7.1	12.0	8.5	10.4	99
MAR 25...	0910	560	189	184	7.6	7.7	12.0	7.5	10.8	102
APR 29...	1325	234	320	297	8.0	7.9	14.0	24.0	9.5	94
MAY 27...	0810	117	485	487	8.0	8.0	17.0	12.5	6.8	72
JUN 24...	0815	171	385	394	8.3	7.8	20.0	17.0	6.5	74
JUL 29...	0805	166	345	390	8.0	7.8	23.0	20.0	6.0	72
AUG 26...	0820	119	510	502	8.1	7.9	22.0	21.5	6.6	77
SEP 30...	0805	104	500	571	7.9	7.9	17.0	10.0	7.5	79

DATE	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	HARD- NESS TOTAL (MG/L AS CaCO3)	ALKA- LITY WAT WH TOT FET LAB MG/L AS CaCO3	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)
OCT 30...	3.0	2.0	50	120	271	0.280	0.040	0.450	7.0
NOV 19...	2.0	1.3	60	120	261	0.340	0.050	0.410	4.9
DEC 17...	6.0	1.1	170	82	103	0.430	<0.030	0.090	2.0
JAN 14...	12	—	1100	96	106	0.470	<0.030	0.170	11
FEB 26...	66	1.7	7000	30	28	0.220	<0.030	0.130	6.6
MAR 25...	8.0	0.4	80	71	75	0.380	0.150	0.070	3.2
APR 29...	6.0	1.6	3800	100	117	0.400	0.090	0.180	2.8
MAY 27...	6.0	1.6	330	110	193	0.560	0.080	0.300	3.4
JUN 24...	5.0	2.2	330	98	156	0.520	0.110	0.250	3.0
JUL 29...	20	1.8	1400	110	146	0.470	0.080	0.220	2.0
AUG 26...	6.0	0.9	170	130	161	0.460	0.050	0.110	4.0
SEP 30...	5.0	0.9	790	110	209	0.440	0.070	0.170	3.7

MOBILE RIVER BASIN

02398037 CHATTOOGA RIVER AT CHATTOOGAVILLE, GA.

LOCATION.--Lat 34°20'08", long 85°26'43", Chattooga County, Hydrologic Unit 03150105, at bridge on Holland-Chattoogaville Road, 0.4 mi downstream from Hinton Creek, and 0.7 mi south of Chattoogaville.

DRAINAGE AREA.--281 mi².

PERIOD OF RECORD.--August 1974 to current year.

REMARKS.--Laboratory chemical analyses 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 1991 TO SEPTEMBER 1992

DATE	TIME	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)
OCT 30...	1100	125	418	449	7.5	7.9	17.0	21.0	6.3	66
NOV 19...	0940	110	480	488	7.8	7.9	13.0	17.0	8.4	81
DEC 17...	0930	420	232	233	7.8	7.8	8.0	0.5	10.4	89
JAN 14...	0930	590	260	258	7.6	7.8	10.0	5.0	11.6	106
FEB 26...	1045	E4600	80	77	7.2	7.1	12.0	11.0	--	--
MAR 25...	0930	800	182	172	7.9	7.6	12.0	10.0	11.2	105
APR 29...	1240	320	294	275	8.0	7.9	14.0	22.0	8.8	87
MAY 27...	0830	150	383	392	8.1	7.9	18.0	12.5	6.9	75
JUN 24...	0840	180	345	347	8.3	7.8	21.0	19.5	6.3	73
JUL 29...	0815	245	310	331	8.2	7.8	24.0	21.0	6.3	77
AUG 26...	0845	185	430	412	8.2	7.9	23.0	24.0	6.4	76
SEP 30...	0810	E84	437	465	7.8	7.8	18.0	10.0	6.9	74

DATE	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	HARD- NESS TOTAL (MG/L AS CACO3)	ALKA- LITY WAT WH TOT 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)
OCT 30...	4.0	1.0	110	130	177	4	0.240	<0.030	0.820	4.0
NOV 19...	1.0	1.2	110	130	192	4	0.320	<0.030	0.360	3.9
DEC 17...	8.0	1.1	330	86	96	8	0.460	0.040	0.180	2.2
JAN 14...	12	--	330	120	110	18	0.480	<0.030	0.340	3.6
FEB 26...	78	2.0	7900	30	28	92	0.230	0.030	0.190	7.2
MAR 25...	11	0.6	220	64	71	17	0.400	<0.030	0.080	3.1
APR 29...	6.0	1.6	2300	98	116	10	0.460	0.040	0.400	2.3
MAY 27...	6.0	1.3	170	120	156	10	0.630	0.050	0.400	2.2
JUN 24...	9.0	2.0	230	100	136	--	0.570	0.040	0.540	3.0
JUL 29...	22	1.5	3300	88	122	30	0.430	0.050	0.360	5.0
AUG 26...	7.0	0.7	490	130	144	16	0.580	<0.030	0.540	4.0
SEP 30...	4.0	0.7	80	120	178	6	0.470	0.040	0.560	3.1

MOBILE RIVER BASIN

02411930 TALLAPOOSA RIVER BELOW TALLAPOOSA, GA.

LOCATION.--Lat 33°44'27", long 85°20'11", Haralson County, Hydrologic Unit 03150108, at bridge on U.S. Highway 78, 0.4 mi upstream from Walker Creek, and 2.7 mi west of Tallapoosa.

DRAINAGE AREA.--272 mi².

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

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

REMARKS.--Laboratory analyses are provided 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 1991 TO SEPTEMBER 1992

DATE	TIME	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)
OCT 01...	0800	55	46	42	7.2	6.7	16.0	14.5	8.6	90
DEC 03...	0840	260	40	38	6.9	6.6	16.0	11.5	8.2	87
FEB 04...	0815	160	37	37	7.3	6.8	7.0	2.5	--	--
APR 07...	0715	275	35	33	7.1	6.8	12.0	14.0	--	--
JUN 02...	0700	84	40	35	7.3	6.8	16.0	15.0	8.2	86
AUG 04...	0645	E135	49	42	--	6.8	23.0	20.0	6.6	80

DATE	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LINITY WAT WH TOT FET LAB MG/L AS CACO3	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)
OCT 01...	15	0.8	130	12	0.120	<0.030	0.090	3.7
DEC 03...	48	1.7	460	11	0.150	<0.030	0.040	6.8
FEB 04...	7.0	0.9	50	12	0.170	<0.030	0.030	1.6
APR 07...	11	1.0	170	11	0.150	<0.030	0.050	2.7
JUN 02...	13	1.3	170	13	0.180	0.040	0.070	2.1
AUG 04...	11	0.8	110	14	0.160	<0.030	0.080	5.0

MOBILE RIVER BASIN

02413210 LITTLE TALLAPOOSA RIVER BELOW BOWDON, GA.

LOCATION.--Lat 33°29'34", long 85°16'45", Carroll County, Hydrologic Unit 03150108, at bridge on State Highway 100, 1.9 mi upstream from Indian Creek, and 3.8 mi southwest of Bowdon.

DRAINAGE AREA.--245 mi².

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

REMARKS.--Laboratory chemical analyses 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 1991 TO SEPTEMBER 1992

DATE	TIME	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)
OCT										
01...	0715	130	62	55	7.3	6.7	17.0	15.5	8.6	91
NOV										
06...	1340	--	57	55	6.9	7.1	8.5	18.5	11.2	99
DEC										
03...	0805	520	53	48	7.0	6.6	16.0	16.5	7.9	83
JAN										
07...	0805	490	50	46	7.3	6.8	8.0	4.0	10.7	94
FEB										
04...	0740	410	47	50	7.4	6.8	7.0	0.0	--	--
MAR										
03...	0800	620	43	41	7.2	6.6	12.0	10.0	--	--
APR										
07...	0630	430	45	43	7.4	6.8	12.0	10.5	9.8	93
MAY										
05...	0700	245	57	46	--	6.8	16.0	12.5	--	--
JUN										
02...	0620	180	55	49	7.5	6.9	17.0	13.0	8.0	86
JUL										
07...	0650	120	65	52	--	6.9	23.0	22.5	6.6	79
AUG										
04...	0615	145	70	66	--	6.9	23.0	20.0	6.8	82
SEP										
01...	0630	170	63	57	7.3	6.9	21.0	17.0	7.3	84

DATE	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LITY WAT WH TOT FET LAB MG/L AS CACO3	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)
OCT								
01...	16	0.7	460	13	0.360	<0.030	0.070	4.2
NOV								
06...	9.0	1.9	230	16	0.190	<0.030	0.090	2.6
DEC								
03...	44	1.7	490	12	0.310	<0.030	0.040	6.7
JAN								
07...	19	1.1	230	12	0.390	<0.030	0.100	4.1
FEB								
04...	13	1.0	110	11	0.470	0.050	0.040	2.6
MAR								
03...	28	1.1	330	10	0.350	0.030	0.030	3.9
APR								
07...	13	1.6	230	11	0.350	<0.030	0.080	1.6
MAY								
05...	15	0.3	200	14	0.350	0.080	0.080	2.8
JUN								
02...	19	1.3	790	14	0.420	0.070	0.080	2.4
JUL								
07...	14	0.3	330	14	0.370	<0.030	0.090	3.0
AUG								
04...	15	0.9	170	17	0.410	0.030	0.070	4.0
SEP								
01...	17	0.6	1400	15	0.280	0.030	0.060	4.0

LAKES AND RESERVOIRS IN MOBILE RIVER BASIN

02381400 CARTERS LAKE NEAR CARTERS, GA.

LOCATION.--Lat 34°36'50", long 84°40'16", Murray County, Hydrologic Unit 03150102, at forebay of dam on Coosawattee River, 1.3 mi upstream from Talking Rock Creek, 1.3 mi east of Carters, 1.9 mi upstream from Louisville and Nashville Railway bridge, and at mile 26.8.

DRAINAGE AREA.--373 mi².

PERIOD OF RECORD.--November 1974 to current year.

REVISED RECORDS.--WRD GA-80-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is at National Geodetic Vertical Datum of 1929 (levels by U.S. Army Corps of Engineers).

REMARKS.--Lake is formed by rolled rock-filled dam. Emergency spillway (crest elevation, 1,070 ft) is equipped with five tainter gates 42 ft wide by 36.6 ft high. There is one sluice 16.5 ft in diameter. Storage began Nov. 12, 1974. Lake first reached minimum pool, elevation, 1,022 ft, Mar. 17, 1975. Power operation began July 19, 1975. Capacity at primary flood control pool elevation, 1,099 ft, 472,800 acre-ft. Capacity at maximum power pool elevation, 1,072 ft, 377,100 acre-ft. Dead storage below elevation 1,022 ft, 242,200 acre-ft. Lake is used for flood control and power. Capacity table and monthend elevations furnished by U.S. Army Corps of Engineers.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 472,400 acre-ft Apr. 8, 1977, elevation, 1,099.16 ft; minimum, after first filling, 326,700 acre-ft Dec. 18, 1987, elevation, 1,055.70 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 397,500 acre-ft, June 15, elevation, 1,078.45 ft; minimum, 338,800 acre-ft, Nov. 21, elevation, 1,059.85 ft.

MONTHEND ELEVATION AND CONTENTS AT 2400, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

Date	Elevation (feet)	Contents (acre-feet)	Change in contents (acre-feet)	(equivalent in cubic feet per second)
Sept. 30.....	1071.60	375000	-	-
Oct. 31.....	1065.40	355500	-19500	-317
Nov. 30.....	1062.45	346500	-9000	-151
Dec. 31.....	1070.65	372000	+25500	+415
CAL YR 1991	-	-	+36100	+50
Jan. 31.....	1070.80	372400	+400	+7
Feb. 29.....	1076.20	389900	+17500	+304
Mar. 31.....	1075.50	387600	-2300	-37
Apr. 30.....	1074.75	385200	-2400	-40
May 31.....	1076.90	392300	+7100	+115
June 30.....	1073.30	380500	-11800	-198
July 31.....	1072.20	376900	-3600	-59
Aug. 31.....	1074.60	384700	+7800	+127
Sept. 30.....	1070.90	372800	-11900	-200
WTR YR 1992	-	-	-2200	-3

LAKES AND RESERVOIRS IN MOBILE RIVER BASIN--Continued

02382400 CARTERS RE-REGULATION DAM NEAR CARTERS, GA.

LOCATION.--Lat 34°36'15", long 84°41'29", Murray County, Hydrologic Unit 03150102, at afterbay of main dam, on Coosawatee River, 0.2 mi downstream from Talking Rock Creek, 0.2 mi upstream from Louisville and Nashville Railway bridge, 1.5 mi downstream from main dam and at mile 25.3.

DRAINAGE AREA.--520 mi².

PERIOD OF RECORD.--July 1975 to current year.

REVISED RECORDS.--WRD GA-80-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is at National Geodetic Vertical Datum of 1929 (levels by U.S. Army Corps of Engineers).

REMARKS.--Reservoir is formed by concrete gravity dam with earth dikes on either side. Spillway (crest elevation, 662.5 ft) is equipped with four tainter gates 42 ft wide by 36.5 ft high. Capacity at maximum storage pool elevation, 698 ft, 17,600 acre-ft. Dead storage, 290 acre-ft. The reservoir is used for storage and re-regulation of power releases from Carters main dam. Capacity table and monthend elevations furnished by U.S. Army Corps of Engineers.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 18,800 acre-ft, Apr. 14, 1977, elevation, 699.36 ft; minimum, 320 acre-ft, June 6, 1983, elevation, 666.98 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 14,400 acre-ft, Aug. 28, elevation, 694.45 ft; minimum, 1,390 acre-ft, June 22, elevation, 674.68 ft.

MONTHEND ELEVATION AND CONTENTS AT 2400, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

Date	Elevation (feet)	Contents (acre-feet)	Change in contents (equivalent in cubic feet per second)	
			(acre-feet)	
Sept. 30.....	684.30	6600	-	-
Oct. 31.....	686.26	7990	+1390	+23
Nov. 30.....	678.67	3050	-4940	-83
Dec. 31.....	682.84	5640	+2590	+42
CAL YR 1991	-	-	-670	-1
Jan. 31.....	683.16	5850	+210	+3
Feb. 29.....	687.69	9040	+3190	+55
Mar. 31.....	685.97	7780	-1260	-20
Apr. 30.....	686.50	8170	+390	+7
May 31.....	683.87	6320	-1850	-30
June 30.....	687.59	8960	+2640	+44
July 31.....	692.44	12700	+3740	+61
Aug. 31.....	680.99	3880	-8820	-143
Sept. 30.....	687.31	8760	+4880	+82
WTR YR 1992	-	-	+2160	+3

LAKES AND RESERVOIRS IN MOBILE RIVER BASIN--Continued

02393500 ALLATOONA RESERVOIR NEAR CARTERSVILLE, GA.

LOCATION.--Lat 34°09'46", long 84°43'40", Bartow County, Hydrologic Unit 03150104, at forebay of dam on Etowah River, 2.8 mi upstream from Nashville, Chattanooga, & St. Louis Railway bridge, 4 mi east of Cartersville, and 6 mi upstream from Pumpkinvine Creek.

DRAINAGE AREA.--1,120 mi².

PERIOD OF RECORD.--December 1949 to current year.

REVISED RECORDS.--WRD GA-80-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is at National Geodetic Vertical Datum of 1929 (levels by U.S. Army Corps of Engineers).

REMARKS.--Lake is formed by concrete gravity dam. Spillway (crest elevation, 835.0 ft) is equipped with nine tainter gates 40 ft wide by 25 ft high. There are four sluices 5.67 ft by 10 ft high and one sluice 4.0 ft in diameter. Storage began Dec. 27, 1949; water in lake first reached minimum pool elevation Feb. 5, 1950. Total capacity at elevation 860.0 ft, top of gates, is 670,000 acre-ft, of which 587,100 acre-ft is controlled storage above 800 ft, minimum pool. Lake is used for flood control and power. Records furnished by U.S. Army Corps of Engineers.

EXTREMES FOR PERIOD OF RECORD: Maximum contents, 693,800 acre-ft Apr. 10, 1964, elevation, 861.19 ft; minimum, 119,600 acre-ft Dec. 4, 1954, elevation, 809.34 ft.

EXTREMES FOR CURRENT YEAR: Maximum contents, 400,800 acre-ft July 6, elevation, 842.72 ft; minimum, 203,200 acre-ft Dec. 22, elevation, 823.05 ft.

MONTHEND ELEVATION AND CONTENTS AT 2400, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

Date	Elevation (feet)	Contents (acre-feet)	Change in contents (acre-feet)	(equivalent in cubic feet per second)
Sept. 30.....	837.96	343800	-	-
Oct. 31.....	833.21	293000	-50800	-826
Nov. 30.....	828.41	247400	-45600	-776
Dec. 31.....	824.04	210800	-36600	-595
CAL YR 1991	-	-	-23300	-32
Jan. 31.....	825.16	219700	+8900	+145
Feb. 29.....	833.90	300000	+80300	+1396
Mar. 31.....	836.90	332000	+32000	+520
Apr. 30.....	839.93	366700	+34700	+583
May 31.....	841.58	386600	+19900	+324
June 30.....	841.09	380600	-6000	-101
July 31.....	840.70	375900	-4700	-76
Aug. 31.....	841.11	380800	+4900	+80
Sept. 30.....	838.43	349200	-31600	-531
WTR YR 1992	-	-	+5400	+7

TENNESSEE RIVER BASIN

03499927 LITTLE TENNESSEE RIVER NEAR DILLARD, GA.

LOCATION.--Lat 34°59'05", long 83°22'56", Rabun County, Hydrologic Unit 06010202, at bridge on State Highway 246, 0.8 mi downstream from Mud Creek, 0.9 mi north of Dillard, and at mile 137.5.

DRAINAGE AREA.--54.6 mi².

PERIOD OF RECORD.--July 1990 to current year.

REMARKS.--Laboratory analyses 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 by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	TIME	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)
OCT										
09...	1220	82	59	46	6.8	6.7	11.0	21.0	10.8	105
DEC										
10...	0900	170	36	34	6.6	6.4	8.5	3.0	10.4	96
FEB										
11...	0845	100	30	28	7.0	6.5	5.0	4.0	12.2	102
APR										
14...	0730	160	30	26	6.7	6.7	11.0	10.0	10.7	104
JUN										
09...	1045	350	38	28	6.7	6.6	16.5	22.5	8.5	94
AUG										
11...	0740	76	35	25	--	6.8	19.0	19.5	7.8	91

DATE	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LINITY WAT WH TOT FET LAB MG/L AS CACO3	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)
OCT								
09...	4.0	1.9	1700	8	0.480	0.070	0.530	3.2
DEC								
10...	6.0	0.6	230	6	0.380	<0.030	0.480	1.6
FEB								
11...	4.0	0.5	330	7	0.210	<0.030	0.380	2.2
APR								
14...	6.0	0.5	330	7	0.240	0.040	0.390	2.2
JUN								
09...	27	0.6	1700	7	0.280	<0.030	0.310	7.0
AUG								
11...	7.0	0.4	490	8	0.170	<0.030	0.120	2.0

TENNESSEE RIVER BASIN

03544947 BRIER CREEK NEAR HIAWASSEE, GA.

LOCATION.--Lat 34°50'05", long 83°42'34", Towns County, Hydrologic Unit 06020002, on left bank, 0.3 mi upstream from Corbin Creek, and 8.2 mi southeast of Hiawassee.

DRAINAGE AREA.--1.67 mi².

WATER-DISCHARGE RECORDS

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

REVISED RECORDS.--WDR GA-89-1: Drainage area. WDR GA-90-1: 1984- 89(M).

GAGE.--Water-stage recorder. Datum of gage is 2,141.43 ft above National Geodetic Vertical Datum of 1929 (leveling by global positioning system equipment).

REMARKS.--Records good.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharge greater than base discharge of 35 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Nov. 22	0545	136	3.00	June 4	0845	59	2.61
Dec. 3	1130	41	2.49	Aug. 28	0215	*342	*3.52

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.6	2.4	5.8	4.9	4.5	7.7	6.0	5.2	2.9	4.8	1.9	7.2
2	2.5	2.1	13	4.8	4.3	6.8	5.9	4.9	2.7	6.1	1.8	6.1
3	2.5	1.9	26	15	4.3	6.4	5.7	4.8	11	4.8	1.8	5.5
4	2.4	1.9	16	10	4.2	6.0	5.5	4.7	39	3.9	1.7	6.3
5	2.5	1.9	9.7	7.9	4.1	6.3	5.3	4.6	19	3.6	1.7	14
6	2.4	1.8	7.6	6.6	4.0	24	5.1	4.6	12	3.4	1.7	10
7	2.5	1.8	6.4	5.9	3.9	18	5.0	5.0	8.7	3.1	1.7	12
8	2.4	1.8	5.8	5.6	3.8	13	5.0	6.9	6.9	3.0	1.7	10
9	2.4	1.8	5.8	5.3	3.6	10	4.9	6.4	8.9	2.9	1.6	8.5
10	2.4	1.9	5.6	5.0	3.6	13	4.8	5.6	8.7	2.8	3.0	7.3
11	2.4	1.8	5.2	4.8	3.5	12	8.8	5.1	7.4	2.6	2.0	6.5
12	2.3	1.7	5.0	4.7	3.5	10	8.1	4.8	6.7	2.4	1.8	5.7
13	2.2	1.7	4.9	5.0	3.5	9.2	6.8	4.9	8.2	2.4	3.9	5.3
14	2.2	1.6	5.2	5.1	3.5	8.3	6.2	4.6	9.5	2.4	4.5	5.0
15	2.4	1.6	5.0	4.9	7.0	7.6	5.9	4.3	9.1	2.3	4.4	4.6
16	2.2	1.6	4.8	4.6	6.3	6.9	5.6	4.1	7.7	2.3	2.8	4.2
17	2.2	1.6	4.6	4.4	5.8	6.5	5.3	3.9	6.6	2.4	2.6	3.9
18	2.1	1.6	4.4	4.3	6.0	7.2	5.1	4.3	5.8	2.3	2.4	4.2
19	2.1	1.8	4.3	4.3	6.9	10	5.2	4.3	5.4	2.2	2.2	3.9
20	2.1	1.7	4.1	4.1	6.2	10	7.5	4.1	5.1	2.1	2.3	3.8
21	2.1	11	4.2	4.0	5.7	8.9	17	3.9	4.8	2.1	2.5	4.7
22	2.1	45	4.1	4.0	5.3	8.7	15	3.5	4.5	3.9	18	6.7
23	2.1	10	4.5	9.1	8.8	9.3	11	3.4	4.3	2.8	13	5.5
24	2.1	6.3	4.5	7.6	9.1	8.4	9.3	3.3	4.2	2.4	8.9	4.9
25	2.1	5.2	4.3	6.3	16	8.2	8.3	3.1	3.9	2.5	6.2	4.4
26	2.0	4.6	4.2	5.8	25	8.2	7.2	3.1	3.9	2.5	5.0	4.2
27	2.0	4.2	4.1	5.3	16	7.6	6.6	3.0	3.6	2.3	9.7	4.4
28	2.0	3.9	5.9	5.1	11	7.0	6.1	2.9	3.4	2.2	98	5.2
29	1.9	3.7	6.5	5.0	9.0	6.7	5.7	3.6	3.5	2.0	21	5.2
30	1.9	3.8	5.8	4.9	---	6.8	5.4	3.5	3.6	2.0	12	4.6
31	1.9	---	5.2	4.7	---	6.3	---	3.1	---	2.0	9.1	---
TOTAL	69.0	133.7	202.5	179.0	198.4	285.0	209.3	133.5	231.0	88.5	250.9	183.8
MEAN	2.23	4.46	6.53	5.77	6.84	9.19	6.98	4.31	7.70	2.85	8.09	6.13
MAX	2.6	45	26	15	25	24	17	6.9	39	6.1	98	14
MIN	1.9	1.6	4.1	4.0	3.5	6.0	4.8	2.9	2.7	2.0	1.6	3.8
CFM	1.33	2.67	3.91	3.46	4.10	5.51	4.18	2.58	4.61	1.71	4.85	3.67
IN.	1.54	2.98	4.51	3.99	4.42	6.35	4.66	2.97	5.15	1.97	5.59	4.09

TENNESSEE RIVER BASIN

03544947 BRIER CREEK NEAR HIAWASSEE, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1984 - 1992, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	3.48	4.03	5.22	6.02	7.85	8.75	6.58	4.56	4.61	3.35	4.07	2.83
MAX	10.9	6.19	9.36	9.62	22.8	19.9	11.6	9.28	14.5	9.75	10.8	6.13
(WY)	1990	1986	1987	1990	1990	1990	1991	1991	1989	1989	1991	1992
MIN	.64	2.02	2.44	2.64	2.99	2.92	2.73	2.48	1.44	.87	.82	.87
(WY)	1988	1985	1985	1985	1986	1988	1986	1986	1988	1986	1986	1986

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1984 - 1992	
ANNUAL TOTAL	2582.2		2164.6			
ANNUAL MEAN	7.07		5.91		5.08	
HIGHEST ANNUAL MEAN					7.44	
LOWEST ANNUAL MEAN					2.69	
HIGHEST DAILY MEAN	127		98		194	
LOWEST DAILY MEAN	1.6		1.6		.56	
ANNUAL SEVEN-DAY MINIMUM	1.6		1.6		.57	
INSTANTANEOUS PEAK FLOW			342		b413	
INSTANTANEOUS PEAK STAGE			3.52		3.64	
ANNUAL RUNOFF (CFSM)	4.24		3.54		3.04	
ANNUAL RUNOFF (INCHES)	57.52		48.22		41.37	
10 PERCENT EXCEEDS	12		10		9.3	
50 PERCENT EXCEEDS	5.3		4.8		3.6	
90 PERCENT EXCEEDS	2.2		2.0		1.2	

a Nov 14-18 and Aug. 9.

b From rating curve extended above 15 ft³/s on basis of slope-area measurement of peak flow.

TENNESSEE RIVER BASIN

03550500 NOTTELY RIVER NEAR BLAIRSVILLE, GA.

LOCATION.--Lat 34°50'28", long 83°56'10", Union County, Hydrologic Unit 06020002, on left bank 250 ft upstream from Arkaqua Creek, 2.7 mi southeast of Blairsville, and at mile 44.3.

DRAINAGE AREA.--74.8 mi².

PERIOD OF RECORD.--October 1968 to June 1971 and July 1991 to current year.

REMARKS.--Laboratory analyses 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 by the U.S. Geological Survey. Water-discharge records for the water years 1942-82 are published in reports of the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	TIME	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)
NOV 12...	0830	70	28	28	7.1	6.9	5.0	6.5	—	—
JAN 15...	1310	158	20	19	6.6	6.5	5.0	8.5	11.6	97
MAR 10...	0845	660	25	27	6.7	6.5	12.0	14.0	11.8	117
MAY 19...	0745	107	26	25	—	6.7	16.0	20.0	8.7	93
JUL 14...	0715	114	35	28	—	6.7	20.0	21.5	7.9	92
SEP 08...	0700	140	35	26	7.1	6.6	17.0	20.5	8.7	95

DATE	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LITY WAT WH TOT FET LAB MG/L AS CACO3	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)
NOV 12...	1.0	0.2	220	10	0.150	<0.030	0.110	<1.0
JAN 15...	1.0	1.0	50	6	0.160	0.240	0.130	1.3
MAR 10...	270	3.0	54000	8	0.290	0.130	0.200	15
MAY 19...	17	0.4	3300	8	0.270	0.040	0.070	2.0
JUL 14...	5.0	0.6	270	7	0.320	<0.030	0.070	2.0
SEP 08...	5.0	0.1	490	9	0.290	<0.030	0.040	2.0

TENNESSEE RIVER BASIN

03558000 TOCCOA RIVER NEAR DIAL, GA.

LOCATION.--Lat 34°47'24", long 84°14'24", Fannin County, Hydrologic Unit 06020003, on right bank 1.4 mi upstream from Shallowford Bridge, 1.8 mi upstream from Stanley Creek, 2.5 mi northwest of Dial, and at mile 69.1.

DRAINAGE AREA.--177 mi².

PERIOD OF RECORD.--October 1912 to current year. Prior to January 1913 monthly discharges only, published in WSP 1306.

REVISED RECORDS.--WSP 823: Drainage area. WSP 1386: 1923(M), 1924, 1927(M), 1929-32(M), 1933, 1934(M), 1944(M).

GAGE.--Water-stage recorder. Datum of gage is 1,782.08 ft above National Geodetic Vertical Datum of 1929. Prior to Oct. 1, 1927, water-stage recorder and Oct. 1, 1927 to Nov. 16, 1928, nonrecording gage at same site and datum.

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

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of November 1906 reached a stage of 18.5 ft, and is highest known since about 1840, from reports of Tennessee Valley Authority.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 2,400 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Nov. 22	1000	2,700	5.11	Aug. 28	0615	*3,280	*5.72

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	307	286	517	494	443	690	704	525	340	581	322	456
2	304	304	966	482	433	653	679	496	334	1120	296	443
3	301	250	1350	890	425	625	660	484	466	1000	288	423
4	295	240	972	706	417	603	646	466	1100	703	283	455
5	298	237	692	614	414	585	622	462	749	576	279	851
6	289	236	590	570	405	902	607	457	531	541	280	631
7	281	234	535	535	397	913	613	503	461	485	285	607
8	280	234	492	509	385	743	599	603	477	452	284	535
9	278	231	523	502	377	680	597	596	575	426	273	492
10	275	230	595	483	373	1100	593	504	542	409	266	479
11	271	227	494	462	368	926	692	474	529	403	257	449
12	269	222	463	453	365	799	599	461	881	381	282	421
13	264	222	444	488	374	746	571	453	817	369	837	404
14	262	219	592	544	373	700	561	445	690	370	477	392
15	324	217	501	472	1020	673	576	430	738	371	886	379
16	291	218	464	445	721	642	577	417	625	370	500	368
17	266	216	443	432	604	624	549	407	559	383	556	363
18	261	213	427	430	581	714	534	401	523	467	524	366
19	258	217	405	416	564	1300	538	439	505	373	410	381
20	256	229	392	407	522	963	693	428	466	348	368	360
21	253	644	392	405	493	822	1100	399	442	337	377	413
22	263	1630	402	398	476	843	881	381	424	465	525	484
23	263	699	499	968	730	1120	740	371	411	510	539	417
24	250	482	602	737	682	894	656	368	399	383	444	368
25	247	399	477	598	1080	837	625	368	395	361	390	351
26	243	360	443	550	1620	861	593	360	439	345	362	346
27	242	337	428	519	1060	792	577	354	398	340	421	386
28	239	318	691	518	850	746	552	351	369	330	1990	367
29	236	312	715	489	756	720	547	371	361	312	823	351
30	233	318	583	471	---	753	538	384	363	305	588	331
31	233	---	530	461	---	755	---	358	---	314	501	---
TOTAL	8332	10181	17619	16448	17308	24724	19019	13516	15909	14130	14913	13069
MEAN	269	339	568	531	597	798	634	436	530	456	481	436
MAX	324	1630	1350	968	1620	1300	1100	603	1100	1120	1990	851
MIN	233	213	392	398	365	585	534	351	334	305	257	331
CFSM	1.52	1.92	3.21	3.00	3.37	4.51	3.58	2.46	3.00	2.58	2.72	2.46
IN.	1.75	2.14	3.70	3.46	3.64	5.20	4.00	2.84	3.34	2.97	3.13	2.75

TENNESSEE RIVER BASIN

03558000 TOCCOA RIVER NEAR DIAL, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1913 - 1992, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	269	315	467	592	699	781	747	606	455	396	335	269
MAX	806	1191	1476	1304	1578	1777	1498	1324	991	1748	1285	769
(WY)	1976	1930	1933	1946	1990	1917	1936	1929	1973	1916	1920	1920
MIN	119	138	160	154	264	271	264	222	167	127	102	82.4
(WY)	1955	1940	1934	1981	1941	1988	1986	1986	1986	1986	1925	1925

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1913 - 1992	
ANNUAL TOTAL	208401		185168			
ANNUAL MEAN	571		506		492	
HIGHEST ANNUAL MEAN					736	
LOWEST ANNUAL MEAN					229	
HIGHEST DAILY MEAN	2550	Mar 29	1990	Aug 28	7990	Aug 23 1967
LOWEST DAILY MEAN	213	Nov 18	213	Nov 18	60	Sep 6 1925
ANNUAL SEVEN-DAY MINIMUM	217	Nov 13	217	Nov 13	73	Sep 3 1925
INSTANTANEOUS PEAK FLOW			3280	Aug 28	a14700	Aug 23 1967
INSTANTANEOUS PEAK STAGE			5.72	Aug 28	13.73	Aug 23 1967
INSTANTANEOUS LOW FLOW			b211	Nov 18,19	c60	Sep 6 1925
ANNUAL RUNOFF (CFSM)	3.23	2.86	2.78			
ANNUAL RUNOFF (INCHES)	43.80	38.92	37.80			
10 PERCENT EXCEEDS	911	794	880			
50 PERCENT EXCEEDS	490	459	394			
90 PERCENT EXCEEDS	270	266	180			

a From rating curve extended above 5,000 ft³/s on basis of slope-area measurement at gage height 11.20 ft, and a contracted-opening measurement at 13.73 ft.

b Gage height, 1.14 ft.

c Gage height, .40 ft.

TENNESSEE RIVER BASIN

03558000 TOCCOA RIVER NEAR DIAL, GA.--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--March 1978 to September 1984 and July 1991 to current year.

REMARKS.--Laboratory analyses 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 by the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	TIME	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)
NOV 12...	0730	222	18	17	—	6.6	5.0	1.5	—	—
JAN 15...	1430	467	16	15	6.8	6.4	5.5	6.0	11.4	97
MAR 10...	0740	888	15	15	7.0	6.6	13.0	13.0	11.6	118
MAY 19...	0640	432	16	15	—	6.6	16.0	15.5	8.5	91
JUL 14...	0620	367	23	16	7.3	6.5	20.0	21.5	7.9	92
SEP 08...	0600	542	25	17	7.1	6.6	17.0	19.5	8.8	96

DATE	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LINITY WAT WH TOT FET LAB MG/L AS CACO3	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)
NOV 12...	1.0	0.1	80	6	0.030	<0.030	0.070	<1.0
JAN 15...	1.0	0.6	20	5	0.060	0.220	0.120	1.1
MAR 10...	21	0.4	3300	7	0.080	<0.030	0.080	3.3
MAY 19...	3.0	0.4	50	6	0.050	<0.030	0.030	<1.0
JUL 14...	3.0	0.8	130	6	0.060	<0.030	0.050	2.0
SEP 08...	5.0	0.2	220	6	0.050	<0.030	0.040	2.0

TENNESSEE RIVER BASIN

03566800 SOUTH CHICKAMAUGA CREEK AT GRAYSVILLE, GA.

LOCATION.--Lat 34°58'39", long 85°08'42", Catoosa County, Hydrologic Unit 06020001, at bridge on Graysville Road at Graysville, 200 ft above dam at Swanson Mill, and 19.5 mi above mouth.

DRAINAGE AREA.--198 mi².

PERIOD OF RECORD.--August 1974 to current year.

REMARKS.--Laboratory analyses are provided 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 1991 TO SEPTEMBER 1992

DATE	TIME	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)
OCT 29...	0715	540	280	282	7.9	7.7	18.0	20.0	6.5	70
DEC 16...	0630	370	150	145	7.8	7.4	9.0	0.5	10.2	89
APR 28...	1230	530	265	246	7.9	7.8	14.0	17.0	8.6	85
JUN 23...	0515	135	233	224	8.0	7.8	20.0	13.0	6.0	68
AUG 25...	0540	400	270	268	8.2	7.9	19.0	20.0	5.6	61

DATE	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	HARD- NESS TOTAL (MG/L AS CaCO3)	ALKA- LITY WAT WH TOT FET LAB MG/L AS CaCO3	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)
OCT 29...	3.0	0.3	20	140	122	0.100	<0.030	0.050	2.9
DEC 16...	17	0.8	490	60	53	0.570	<0.030	0.030	3.4
APR 28...	8.0	0.9	490	120	114	0.400	0.030	0.260	2.0
JUN 23...	16	1.3	940	100	97	0.580	0.040	0.130	2.0
AUG 25...	4.0	0.3	50	140	117	0.380	<0.030	0.060	2.0

TENNESSEE RIVER BASIN

03567340 WEST CHICKAMAUGA CREEK NEAR LAKEVIEW, GA.

LOCATION.--Lat 34°57'26", long 85°12'20", Catoosa County, Hydrologic Unit 06020001, at bridge on State Highway 146, 3 mi southeast of Lakeview.

DRAINAGE AREA.--148 mi².

PERIOD OF RECORD.--August 1974 to current year.

REMARKS.--Laboratory chemical analyses 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 1991 TO SEPTEMBER 1992

DATE	TIME	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)
OCT 29...	0650	—	290	321	6.9	7.6	19.0	21.0	3.8	42
DEC 16...	0615	380	230	230	7.0	7.6	10.0	-0.5	9.5	85
JUN 23...	0500	96	300	270	7.2	7.7	20.5	13.5	6.4	73
AUG 25...	0520	140	220	215	7.6	7.6	20.0	20.5	8.8	98

DATE	TUR-BID-ITY (NTU)	OXYGEN DEMAND, CHEM-ICAL (LOW LEVEL) (MG/L)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, FECAL, EC BROTH (MPN)	HARD-NESS TOTAL (MG/L AS CaCO3)	ALKA-LINITY WAT WH TOT FET LAB MG/L AS CaCO3	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L)
OCT 29...	9.0	11	1.4	700	140	140	3
DEC 16...	36	9	1.0	4900	110	98	32
JUN 23...	11	7	1.5	330	120	120	13
AUG 25...	29	—	1.1	170	100	95	30

DATE	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS N)	PHOS-PHORUS TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 29...	0.190	<0.030	—	0.50	0.69	1.33	7.8
DEC 16...	0.680	0.050	0.25	0.30	0.98	0.310	4.7
JUN 23...	0.770	0.040	0.36	0.40	1.2	0.320	3.0
AUG 25...	0.450	0.040	—	—	—	0.170	7.0

TENNESSEE RIVER BASIN

03568933 LOOKOUT CREEK NEAR NEW ENGLAND, GA.

LOCATION.--Lat 34°53'51", long 85°27'47", Dade County, Hydrologic Unit 06020001, at bridge on county road 2214, 0.4 mi downstream of Squirrel Town Creek, 2.2 mi southeast of New England, and at mile 16.3.

DRAINAGE AREA.--149 mi².

PERIOD OF RECORD.--August 1979 to current year.

GAGE.--Water-stage recorder. Datum of gage is 663.80 ft above National Geodetic Vertical Datum of 1929 (levels by Tennessee Valley Authority). Aug. 30, 1979 to Oct. 4, 1988, at site 200 ft downstream at same datum.

REMARKS.--Records good. Daily water temperatures for November 1980 to September 1984 published in reports of U.S. Geological Survey.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 3,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Feb. 26	0515	*3,630	*13.30	No other peak greater than base discharge.			

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	26	31	1210	339	164	528	408	158	42	166	49	96
2	27	33	1040	348	148	446	354	140	41	161	45	87
3	24	31	1300	1250	136	383	310	127	43	198	42	100
4	26	26	667	1380	128	330	280	113	132	158	40	169
5	26	24	395	834	122	286	243	103	160	141	39	250
6	25	24	287	607	115	259	216	96	101	139	41	195
7	25	23	226	470	107	235	228	94	74	132	37	152
8	24	23	183	386	99	207	229	104	373	95	37	137
9	25	23	266	329	92	185	203	103	217	78	35	106
10	29	23	533	280	85	382	187	90	163	67	33	96
11	27	23	368	237	81	352	191	81	124	60	43	129
12	26	22	281	218	78	278	248	75	258	54	40	109
13	24	23	235	226	80	247	245	74	292	50	39	88
14	26	22	917	341	81	221	214	71	216	45	61	76
15	25	22	656	284	703	202	210	69	216	45	53	74
16	25	22	444	241	668	181	311	64	163	47	46	61
17	24	22	345	222	470	167	241	61	128	47	128	55
18	24	22	275	196	506	274	214	58	106	49	73	66
19	24	21	225	176	432	886	196	55	147	45	53	77
20	23	28	189	160	360	666	216	54	112	39	46	64
21	24	38	165	149	304	512	676	51	87	36	44	57
22	23	171	152	142	267	476	685	49	73	166	78	57
23	23	116	168	395	705	852	488	46	62	139	120	77
24	24	65	340	508	758	632	405	50	57	94	95	69
25	24	50	290	379	1550	534	355	49	54	80	78	57
26	24	47	238	322	2940	541	289	50	67	72	67	53
27	24	40	208	277	1230	468	248	46	63	66	66	56
28	24	35	664	251	860	400	219	44	56	60	417	55
29	24	33	797	225	667	352	192	45	50	57	290	50
30	23	33	540	202	---	452	173	45	77	52	176	45
31	23	---	416	183	---	477	---	45	---	59	126	---
TOTAL	765	1116	14020	11557	13936	12411	8674	2310	3754	2697	2537	2763
MEAN	24.7	37.2	452	373	481	400	289	74.5	125	87.0	81.8	92.1
MAX	29	171	1300	1380	2940	886	685	158	373	198	417	250
MIN	23	21	152	142	78	167	173	44	41	36	33	45
CFSM	.17	.25	3.04	2.50	3.23	2.69	1.94	.50	.84	.58	.55	.62
IN.	.19	.28	3.50	2.89	3.48	3.10	2.17	.58	.94	.67	.63	.69

TENNESSEE RIVER BASIN

03568933 LOOKOUT CREEK NEAR NEW ENGLAND, GA.--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1979 - 1992, BY WATER YEAR (WY)

MEAN	63.4	194	339	410	569	523	356	231	111	80.9	96.5	78.6
MAX	280	627	992	970	1591	1755	652	751	468	361	465	311
(WY)	1990	1980	1983	1990	1990	1980	1983	1984	1989	1989	1982	1979
MIN	15.8	20.3	36.1	44.5	107	79.2	77.3	54.4	19.6	14.4	20.8	20.3
(WY)	1988	1988	1988	1981	1988	1988	1986	1988	1988	1988	1987	1987

SUMMARY STATISTICS	FOR 1991 CALENDAR YEAR		FOR 1992 WATER YEAR		WATER YEARS 1979 - 1992	
ANNUAL TOTAL	110462		76540		251	
ANNUAL MEAN	303		209		424	
HIGHEST ANNUAL MEAN					81.0	
LOWEST ANNUAL MEAN					10800	
HIGHEST DAILY MEAN	5910	Feb 20	2940	Feb 26	11	Mar 21 1980
LOWEST DAILY MEAN	21	Nov 19	21	Nov 19	12	Aug 17 1988
ANNUAL SEVEN-DAY MINIMUM	22	Nov 13	22	Nov 13	20000	Jun 27 1988
INSTANTANEOUS PEAK FLOW			3630	Feb 26	20.73	Aug 17 1982
INSTANTANEOUS PEAK STAGE			13.30	Feb 26	1.69	Aug 17 1982
ANNUAL RUNOFF (CFSM)	2.03		1.40		22.93	
ANNUAL RUNOFF (INCHES)	27.58		19.11		557	
10 PERCENT EXCEEDS	659		480		90	
50 PERCENT EXCEEDS	150		114		23	
90 PERCENT EXCEEDS	25		25			

TENNESSEE RIVER BASIN

03568933 LOOKOUT CREEK NEAR NEW ENGLAND, GA.--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--April 1979 to October 1981 and August 1991 to current year.

PERIOD OF DAILY RECORD.--

WATER TEMPERATURES: November 1980 to September 1984.

REMARKS.--Laboratory analyses 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.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURES: Maximum recorded, 26.5°C July 15, 16, 1981; minimum recorded, 0.5°C Jan. 13, 1981.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	TIME	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)
OCT 30...	1245	25	280	297	7.8	7.8	18.0	25.0	7.3	79
DEC 17...	1115	319	169	161	8.0	7.5	8.0	12.0	10.6	91
JUN 24...	0800	—	220	215	7.4	7.6	20.0	16.0	7.1	80
AUG 26...	0805	—	210	210	7.7	7.8	22.0	21.0	6.4	75

DATE	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	HARD- NESS TOTAL (MG/L AS CACO3)	ALKA- LITY WAT WH TOT FET LAB MG/L AS CACO3	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)
OCT 30...	3.0	1.0	110	130	128	0.380	<0.030	0.150	3.5
DEC 17...	6.0	0.8	490	80	72	0.430	0.060	<0.020	<1.0
JUN 24...	11	0.8	300	92	93	0.380	0.060	0.110	1.0
AUG 26...	13	0.7	460	98	95	0.290	<0.030	0.040	3.0

LAKES IN TENNESSEE RIVER BASIN

03553000 NOTTELY LAKE NEAR IVYLOG, GA.

LOCATION.--Lat 34°57'29", long 84°05'22", Union County, Hydrologic Unit 06020002, at dam on Nottely River, 1.3 mi upstream from Dooley Creek, 1.7 mi southwest of Ivylog, 2.5 mi upstream from Georgia- North Carolina State line, and at mile 21.0.

DRAINAGE AREA.--214 mi².

PERIOD OF RECORD.--January 1942 to current year.

GAGE.--Water-stage recorder. Datum of gage is at National Geodetic Vertical Datum of 1929.

REMARKS.--Lake is formed by rock and rolled earthfill dam with side channel spillway equipped with flashboards. Storage began Jan. 24, 1942; water in lake first reached minimum pool elevation Jan. 26, 1942. Total capacity at elevation 1,780.00 ft, top of flashboards, is 87,900 ft³/s-days, of which 59,100 ft³/s-days is controlled storage above elevation 1,735.00 ft, normal minimum pool. Lake is used for navigation, flood control, and power. Records furnished by Tennessee Valley Authority.

EXTREMES FOR PERIOD OF RECORD: Maximum contents, 94,100 ft³/s-days Apr. 20, 1943, elevation, 1,780.50 ft; maximum elevation, 1,781.47 ft May 28, 1973; minimum (after first filling), 200 ft³/s-days Oct. 6, 1947, elevation, 1638.6 ft.

EXTREMES FOR CURRENT YEAR:--Maximum contents, 83,850 ft³/s-days July 4, elevation, 1,778.09 ft; minimum, 42,840 ft³/s-days Jan. 23, elevation, 1,750.37 ft.

REVISIONS.--Revised change in contents in equivalent cubic feet per second for water years 1990 and 1991 are given below. Also, the published units of measure were incorrect. Correct units of measure are as follows: Contents and Change in Contents are in cfs-days. These figures supercede those published in the reports for 1990 and 1991.

MONTHEND ELEVATION AND CONTENTS AT 2400, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

Date	Elevation (feet)	Contents (cfs-days)	Change in contents (cfs-days)	(equivalent in cubic feet per second)
Sept. 30.....	1770.94	70500	-	-
Oct. 31.....	1763.51	58900	-11600	-374
Nov. 30.....	1758.32	52000	-6900	-230
Dec. 31.....	1749.59	42000	-10000	-323
CAL YR 1989	-	-	+1000	+3
Jan. 31.....	1755.03	48000	+6000	+194
Feb. 28.....	1760.23	54400	+6400	+229
Mar. 31.....	1768.90	67100	+12700	+410
Apr. 30.....	1776.79	81200	+14100	+470
May 31.....	1777.07	81800	+600	+19
June 30.....	1774.93	77700	-4100	+137
July 31.....	1771.28	71100	-6600	-213
Aug. 31.....	1762.88	58000	-13100	-423
Sept. 30.....	1760.08	54200	-3800	-127
WTR YR 1990	-	-	-16300	-45

MONTHEND ELEVATION AND CONTENTS AT 2400, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

Date	Elevation (feet)	Contents (cfs-days)	Change in contents (cfs-days)	(equivalent in cubic feet per second)
Sept. 30.....	1760.08	54200	-	-
Oct. 31.....	1757.22	50600	-3600	-116
Nov. 30.....	1751.51	44100	-6500	-217
Dec. 31.....	1753.27	46000	+1900	+61
CAL YR 1990	-	-	+4000	+11
Jan. 31.....	1751.60	44160	-1840	-59
Feb. 28.....	1756.29	49500	+5340	+191
Mar. 31.....	1766.96	64040	+14540	+469
Apr. 30.....	1776.52	80710	+16670	+556
May 31.....	1777.51	82670	+1960	+63
June 30.....	1778.41	84500	+1830	+61
July 31.....	1774.62	77080	-7420	-239
Aug. 31.....	1773.74	75450	-1630	-53
Sept. 30.....	1770.03	68970	-6480	-216
WTR YR 1991	-	-	+14770	+40

LAKES IN TENNESSEE RIVER BASIN--Continued

03553000 NOTTELY LAKE NEAR IVYLOG, GA.--Continued

MONTHEND ELEVATION AND CONTENTS AT 2400, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

Date	Elevation (feet)	Contents (cfs-days)	Change in contents (cfs-days)	(equivalent in cubic feet per second)
Sept. 30.....	1770.03	68970	-	-
Oct. 31.....	1760.32	54570	-14400	-465
Nov. 30.....	1755.62	48710	-5860	-195
Dec. 31.....	1751.10	43620	-5090	-164
CAL YR 1991			-2380	-7
Jan. 31.....	1753.32	46060	+2440	+79
Feb. 29.....	1757.32	50750	+4690	+162
Mar. 31.....	1762.46	57450	+6700	+216
Apr. 30.....	1768.94	67170	+9720	+324
May 31.....	1773.01	74130	+6960	+225
June 30.....	1775.93	79560	+5430	+181
July 31.....	1771.77	71940	-7620	-246
Aug. 31.....	1771.36	71230	-710	-23
Sept. 30.....	1768.74	66850	-4380	-146
WTR YR 1992	-	-	-2120	-6

LAKES IN TENNESSEE RIVER BASIN--Continued

03558500 BLUE RIDGE LAKE NEAR BLUE RIDGE, GA.

LOCATION.--Lat 34°52'52", long 84°16'49", Fannin County, Hydrologic Unit 06020003, 400 ft upstream from Blue Ridge Dam on Toccoa River, 2.5 mi northeast of Blue Ridge, and at mile 53.0.

DRAINAGE AREA.--232 mi².

PERIOD OF RECORD.--December 1930 to current year (prior to Aug. 16, 1939, only midnight readings available).

AGE.--Water-stage recorder. Datum of gage is at Tennessee Electric Power Company datum; to convert to National Geodetic Vertical Datum of 1929, subtract 0.18 ft from elevations given herein.

REMARKS.--Lake is formed by earth dam. Spillway equipped with five tainter gates 15 ft high by 22 ft wide. Dam completed and storage began Dec. 6, 1930. Total capacity at elevation 1,691.00 ft, top of gates, is 98,800 ft³/s-days, of which 92,800 ft³/s-days is controlled storage above 1,590.00 ft, normal minimum pool. Lake is used for power and recreation. Records furnished by Tennessee Valley Authority.

EXTREMES FOR PERIOD OF RECORD: Maximum contents recorded, 102,100 ft³/s-days Feb. 11, 1946, elevation, 1,691.54 ft; minimum (after first filling), 6,500 ft³/s-days Jan. 16, 1956, elevation, 1,587.75 ft.

EXTREMES FOR CURRENT YEAR: Maximum contents, 94,370 ft³/s-days June 17, elevation, 1,688.36 ft; minimum, 53,020 ft³/s-days Jan. 22, elevation, 1,658.84 ft.

REVISIONS.--Revised change in contents in equivalent cubic feet per second for water years 1990 and 1991 are given below. Also, the published units of measure were incorrect. Correct units of measure are as follows: Contents and Change in Contents are in cfs-days. These figures supercede those published in the reports for 1990 and 1991.

MONTHEND ELEVATION AND CONTENTS AT 2400, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

Date	Elevation (feet)	Contents (cfs-days)	(cfs-days)	Change in contents (equivalent in cubic feet per second)
Sept. 30.....	1680.95	82600	-	-
Oct. 31.....	1672.63	70400	-12200	-394
Nov. 30.....	1669.85	66600	-3800	-127
Dec. 31.....	1657.50	53800	-12800	-413
CAL YR 1989	-	-	+20800	+57
Jan. 31.....	1671.27	68600	+14800	+477
Feb. 28.....	1679.52	80400	+11800	+421
Mar. 31.....	1681.32	83200	+2800	+90
Apr. 30.....	1686.80	91800	+8600	+287
May 31.....	1686.88	92000	+200	+6
June 30.....	1687.24	92500	+500	+17
July 31.....	1683.42	86400	-6100	-197
Aug. 31.....	1673.45	71600	-14800	-477
Sept. 30.....	1672.92	70800	-800	-27
WTR YR 1990	-	-	-11800	-32

MONTHEND ELEVATION AND CONTENTS AT 2400, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

Date	Elevation (feet)	Contents (cfs-days)	(cfs-days)	Change in contents (equivalent in cubic feet per second)
Sept. 30.....	1672.92	70800	-	-
Oct. 31.....	1670.32	67300	-3500	-113
Nov. 30.....	1662.81	57700	-9600	-320
Dec. 31.....	1663.00	57900	+200	+6
CAL YR 1990	-	-	+4100	+11
Jan. 31.....	1665.20	60620	+2720	+88
Feb. 28.....	1673.09	71090	+10470	+374
Mar. 31.....	1685.30	89410	+18320	+591
Apr. 30.....	1688.55	94680	+5270	+176
May 31.....	1688.14	94010	-670	-22
June 30.....	1687.72	93320	-690	-23
July 31.....	1685.60	89890	-3430	-111
Aug. 31.....	1685.82	90250	+360	+12
Sept. 30.....	1675.80	74950	-15300	-510
WTR YR 1991	-	-	+4150	+11

LAKES IN TENNESSEE RIVER BASIN--Continued

03558500 BLUE RIDGE LAKE NEAR BLUE RIDGE, GA.--Continued

MONTHEND ELEVATION AND CONTENTS AT 2400, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

Date	Elevation (feet)	Contents (cfs-days)	(cfs-days)	Change in contents (equivalent in cubic feet per second)
Sept. 30.....	1675.80	74950	-	-
Oct. 31.....	1666.23	61920	-13030	-420
Nov. 30.....	1663.50	58510	-3410	-114
Dec. 31.....	1662.19	56930	-1580	-51
CAL YR 1991	-	-	-970	-3
Jan. 31.....	1661.77	56430	-500	-16
Feb. 29.....	1671.40	68750	+12320	+425
Mar. 31.....	1682.30	84690	+15940	+514
Apr. 30.....	1687.08	92280	+7590	+253
May 31.....	1687.32	92670	+390	+13
June 30.....	1686.10	90700	-1970	-66
July 31.....	1684.07	87460	-3240	-105
Aug. 31.....	1679.80	80870	-6590	-213
Sept. 30.....	1675.70	74800	-6070	-202
WTR YR 1992	-	-	-150	0

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 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 and drainage area	Period of record	Date	Water year 1992 maximum		Period of record maximum		
				Gage height (feet)	Dis- charge (ft ³ /s)	Date	Gage height (feet)	Dis- charge (ft ³ /s)
SAVANAH RIVER BASIN								
Buffalo Creek near Lexington, Ga. (02191930)	Lat 33°46'40", long 83°03'01", Oglethorpe County, Hydrologic Unit 03060104, at culvert on State Highway 22, 7 mi southeast of Lexington. Drainage area is 5.60 mi ²	1964-92	ND	1.00	25	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 .	1984-92	03-07-92	10.04	1,280	10-12-90	15.53	11,500
Rocky Creek tributary at Augusta, Ga. (02196760)	Lat 33°27'07", long 82°02'57", Richmond County, Hydrologic Unit 03060106, at culvert on U.S. Highways 78 and 278 at Augusta. Drainage area is 1.56 mi ² .	1979- 92	08-13-92	6.17	497	10-12-90	9.60	1,110
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 .	1963-92	08-14-92	3.97	228	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 .	1888, 1928-29, 1944, 1961, 1971, 1984-92	ND	8.85	1,560	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 .	1979-92	08-14-92	12.60	2,180	03-14-80	14.82	4,020
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 .	1965-92	03-06-92	3.58	158	10-12-90	10.38	2,200

ND Not determined.

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES--Continued

Maximum discharges at crest-stage partial-record stations

Station name and number	Location and drainage area	Period of record	Date	Water year 1992 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								
Mill Creek near Pembroke, Ga. (02202605)	Lat 32°09'39", long 81°36'15", Bryan County, Hydrologic Unit 03060202, at culvert on State Highway 119, near Pembroke. Drainage area is 5.39 mi ² .	1979-92	08-14-92	2.57	142	02-11-86	4.16	187
Wilshire Canal near Savannah, Ga. (02203543)	Lat 31°59'27", long 81°08'15", Chatham County, Hydrologic Unit 03060204, at culvert on Tibet Avenue near Savannah. Drainage area is 0.95 mi ² .	1979- 92	08-14-92	6.68	188	04-30-91	10.00	268
Wilshire Canal tributary near Savannah, Ga. (02203544)	Lat 31°58'25", long 81°08'20", Chatham County, Hydrologic Unit 03060204, at culvert on Windsor Road near Savannah. Drainage area is 0.18 mi ² .	1979- 92	08-14-92	2.82	59	04-30-91	4.80	77
ALTAMAHA RIVER BASIN								
Shoal Creek near Atlanta, Ga. (02203835)	Lat 33°44'48", long 84°16'50", DeKalb County, Hydrologic Unit 03070103, at culvert on Line Street near Atlanta. Drainage area is 3.43 mi ² .	1973-92	09-04-92	5.50	775	05-23-80	9.29	2,140
Shoal Creek tributary near Atlanta, Ga. (02203845)	Lat 33°43'05", long 84°15'45", DeKalb County, Hydrologic Unit 03070103, at culvert on Glendale Drive near Atlanta. Drainage area is 0.84 mi ² .	1963-65, 1973-78, 1980-92	09-04-92	6.24	638	03-05-83	6.92	751
Conley Creek near Forest Park, Ga. (02203884)	Lat 33°38'08", long 84°20'37", Clayton County, Hydrologic Unit 03070103, at culvert on Rock Cut Road near Forest Park. Drainage area is 1.88 mi ² .	1966-68, 1974-78, 1980- 92	09-04-92	7.98	1,070	11-05-77	9.72	1,230
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 .	1977- 92	06-12-92	8.51	169	06-12-92	8.51	169
Wolf Creek near Suwanee, Ga. (02205230)	Lat 34°00'04", long 84°02'57", Gwinnett County, Hydrologic Unit 03070103, at culvert on Dean Road near Suwanee. Drainage area is 0.39 mi ² .	1987-92	08-19-91	6.19	121	09-11-89	7.81	192
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 near Lilburn. Drainage area is 0.18 mi ² .	1987-92	06-04-92	4.83	70	09-07-87	6.71	144
Jackson Creek tributary No. 1 near Lilburn, Ga. (02206136)	Lat 33°53'19", long 84°10'59", Gwinnett County, Hydrologic Unit 03070103, at culvert on Williams Road near Lilburn. Drainage area is (a)0.33 mi ² .	1987-92	09-04-92	6.75	110	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 near Lilburn. Drainage area is (a)0.10 mi ² .	1987-92	07-08-92	9.85	86	08-08-87	11.40	100

a Revised.

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES--Continued

Maximum discharges at crest-stage partial-record stations

Station name and number	Location and drainage area	Period of record	Date	Water year 1992 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								
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 at Snellville. Drainage area is 0.20 mi ² .	1987-92	05-19-92	7.33	114	07-16-89	8.37	168
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 .	1979-92	02-18-92	8.04	256	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 .	1979-92	02-17-92	5.68	301	04-01-81	8.27	788
Folsom Creek tributary near Rochelle, Ga. (02215245)	Lat 32°00'15", long 83°25'58", Wilcox County, Hydrologic Unit 03070104, at culvert on State Highway 233, 4 miles north of Rochelle. Drainage area is 1.44 mi ² .	1964-92	02-17-92	4.36	214	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 State Highway 165, 1.6 miles north of Chauncey. Drainage area is 221 mi ² .	1984-92	02-18-92	7.17	1,450	03-06-91	9.91	4,940
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 .	1976, 1984-92	08-22-92	(b)	<1,120	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 Highway 11, 6 miles northeast of Winder. Drainage area is 2.68 mi ² .	1965-92	08-22-92	2.57	298	02-10-90	7.31	1,690
Brooklyn Creek at Athens, Ga. (02217505)	Lat 33°56'32", long 83°24'07", Clarke County, Hydrologic Unit 03070101, at culvert on Dudley Drive, at Athens. Drainage area is 1.44 mi ² .	1966-67, 1979-92	06-03-92	10.87	796	05-27-66	12.70	2,200
Tanyard Creek at Athens, Ga. (02217905)	Lat 33°57'05", long 83°22'42", Clarke County, Hydrologic Unit 03070101, at culvert on Baxter Street at Athens. Drainage area is 0.42 mi ² .	1979-92	06-03-92	10.18	1,270	06-03-92	10.18	1,270
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 .	1961, 1984-92	08-22-92	15.10	2,710	02-25-61	20.00	5,400

b Peak did not reach bottom of gage.

< Less than.

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES--Continued

Maximum discharges at crest-stage partial-record stations

Station name and number	Location and drainage area	Period of record	Date	Water year 1992 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								
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 (c)0.50 mi ² .	1977-92	03-06-92	1.62	15	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 .	1929, 1984-91	08-15-92	13.06	3,010	03-19-29	20.90	19,000
Little Ohoopsee River near Swainsboro, Ga. (02225250)	Lat 32°33'44", long 82°28'03", Emanuel County, Hydrologic Unit 03070107, at U.S. Highway 80, 9 miles west of Swainsboro. Drainage area is 216 mi ² .	1925, 1929, 1970, 1972, 1980-92	03-07-92	8.00	3,500	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 .	1965-92	08-14-92	3.76	135	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 .	1976-92	02-17-92	1.19	12	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 .	1977-92	05-31-92	1.63	31	08-02-78	2.63	93
SUWANNEE RIVER BASIN								
Dukes Bay Canal at Valdosta, Ga. (02317564)	Lat 30°49'13", long 83°16'20", Lowndes County, Hydrologic Unit 03110202, at culvert on Patterson Street at Valdosta. Drainage area is (a)1.27 mi ² .	1987-92	01-13-92	5.40	182	03-04-91	6.30	285
Dukes Bay Canal at Industrial Boulevard at Valdosta, Ga (02317566)	Lat 30°48'34", long 83°15'43", Lowndes County, Hydrologic Unit 03110202, at culvert on Industrial Boulevard at Valdosta. Drainage area is (a)3.81 mi ² .	1987-92	01-13-92	4.94	372	03-03-91	6.18	586
Little River near Statenville, Ga. (02317600)	Lat 30°42'13", long 83°07'18", Echols County, Hydrologic Unit 03110202, at State Highway 376, 5 miles west of Statenville. Drainage area is 199 mi ² .	1948, 1984-92	02-18-92	11.48	1,590	03-28-84	17.36	11,000
Sugar Creek tributary at Valdosta, Ga. (023177551)	Lat 30°49'51", long 83°18'27", Lowndes County, Hydrologic Unit 03110203, at culvert on Hyde Park Road at Valdosta. Drainage area is (a)0.16 mi ² .	1987-92	01-13-92	2.63	48	07-22-89	4.69	151

a Revised.

c Approximately.

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES--Continued

Maximum discharges at crest-stage partial-record stations

Station name and number	Location and drainage area	Period of record	Date	Water year 1992 maximum		Period of record maximum		
				Gage height (feet)	Dis- charge (ft ³ /s)	Date	Gage height (feet)	Dis- charge (ft ³ /s)
SUWANNEE RIVER BASIN--Continued								
Onemile Branch at at Vallotton Street, at Valdosta, Ga. (023177553)	Lat 30°50'58", long 83°16'38", Lowndes County, Hydrologic Unit 03110202, at culvert on Vallotton Street at Valdosta. Drainage area is (a)0.99 mi ² .	1987-92	01-13-92	5.91	320	03-03-91	7.15	419
Onemile Branch at Wainright Drive, at Valdosta, Ga. (023177554)	Lat 30°50'34", long 83°18'04", Lowndes County, Hydrologic Unit 03110203, at culvert on Wainright Drive at Valdosta. Drainage area is (a)2.66 mi ² .	1987-92	01-13-92	3.54	666	08-14-87, 03-03-91	8.56	789
Twomile Branch at Bemiss Road, at Valdosta, Ga. (023177556)	Lat 30°52'09", long 83°16'43", Lowndes County, Hydrologic Unit 03110202, at culvert on Bemiss Road at Valdosta. Drainage area is 0.16 mi ² .	1987-92	06-09-92	3.35	140	03-03-91	4.06	193
Twomile Branch at Valdosta, Ga. (023177557)	Lat 30°52'05", long 83°17'04", Lowndes County, Hydrologic Unit 03110202, at culvert on University Drive at Valdosta. Drainage area is (a)0.55 mi ² .	1987-92	01-13-92	4.21	100	03-03-91	5.42	356
Twomile Branch at Oak Street, at Valdosta, Ga. (023177558)	Lat 30°51'48", long 83°17'32", Lowndes County, Hydrologic Unit 03110202, at culvert on Oak Street at Valdosta. Drainage area is (a)1.18 mi ² .	1987-92	01-13-92	7.11	322	08-14-87	7.47	639
Arnold Creek tributary (prior to 1987, published as Little River tributary No. 2) near Tifton, Ga. (02317810)	Lat 31°25'30", long 83°34'23", Tift County, Hydrologic Unit 03110204, at culvert on secondary road 546, 4 miles southwest of Tifton. Drainage area is 0.47 mi ² .	1965-92	02-18-92	2.87	81	02-11-86	4.46	160
OCHLOCKONEE RIVER BASIN								
Okapilco Creek tributary at Moultrie, Ga. (02318565)	Lat 31°10'12", long 83°46'40", Colquitt County, Hydrologic Unit 03110203, at culvert on S.E. Tenth Street at Moultrie. Drainage area is (a)0.27 mi ² .	1987-92	03-30-92	2.53	41	03-04-88	3.03	57
Olive Creek tributary at Thomasville, Ga. (02326182)	Lat 30°49'51", long 83°57'51", Thomas County, Hydrologic Unit 03110103, at culvert on Baybrook Street at Thomasville. Drainage area is (a)0.12 mi ² .	1987-92	08-06-92	4.12	368	07-04-91	4.40	421
Ochlockonee River tributary at S.W. 11th Street, at Moultrie, Ga. (02327202)	Lat 31°10'25", long 83°48'03", Colquitt County, Hydrologic Unit 03110203, at culvert on S.W. 11th Street at Moultrie. Drainage area is 0.48 mi ² .	1987-92	03-30-92	4.41	170	03-04-88	4.89	190
			02-22-87	4.36	168			
			03-04-88	4.89	190			
			06-25-89	3.64	142			
			08-31-90	3.25	128			
			05-10-91	4.69	182			
Tributary of Ochlockonee River tributary at Moultrie, Ga. (02327203)	Lat 31°09'54", long 83°47'35", Colquitt County, Hydrologic Unit 03110203, at culvert on S.W. Fourth Street at Moultrie. Drainage area is (a)0.38 mi ² .	1987-92	07-23-92	2.82	148	05-10-88	2.94	159
Ochlockonee River tributary at Moultrie, Ga. (02327204)	Lat 31°09'38", long 83°48'11", Colquitt County, Hydrologic Unit 03110203, at culvert on West Boulevard at Moultrie. Drainage area is (a)1.65 mi ² .	1987-92	03-30-92	4.81	506	03-03-91	5.75	646

a Revised.

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES--Continued

Maximum discharges at crest-stage partial-record stations

Station name and number	Location and drainage area	Period of record	Date	Water year 1992 maximum		Period of record maximum		
				Gage height (feet)	Dis- charge (ft ³ /s)	Date	Gage height (feet)	Dis- charge (ft ³ /s)
OCHLOCKONEE RIVER BASIN--Continued								
Ochlockonee River tributary near Coolidge, Ga. (02327350)	Lat 31°01'33", long 83°57'32", Thomas County, Hydrologic Unit 03120002, at culvert on State Highway 202, 5.5 miles west of Coolidge. Drainage area is 1.81 mi ² .	1964-92	02-18-92	2.38	189	12-04-64	6.14	789
Ochlockonee River near Coolidge, Ga. (02327355)	Lat 31°00'08", long 83°56'21", Thomas County, Hydrologic Unit 03120002, at State Highway 188, 4 miles west of Coolidge. Drainage area is 260 mi ² .	1981-92	02-18-92	14.07	ND	03-07-84	17.28	13,100
Little Ochlockonee River near Moultrie, Ga. (02327415)	Lat 31°07'02", long 83°58'42", Colquitt County, Hydrologic Unit 03120002, at State Highway 111, 10 miles west of Moultrie. Drainage area is 44.8 mi ² .	1981-92	02-18-92	7.78	1,540	02-11-86	10.22	5,860
Oculna Creek at Wolf Street, at Thomasville, Ga. (02327467)	Lat 30°50'12", long 83°59'38", Thomas County, Hydrologic Unit 03120002, at culvert on Wolf Street at Thomasville. Drainage area is (a)1.07 mi ² .	1987-92	06-03-92	4.25	160	03-03-91	6.07	222
Oculna Creek at Calro Road, at Thomasville, Ga. (02327468)	Lat 30°51'02", long 84°00'10", Thomas County, Hydrologic Unit 03120002, at culvert on Calro Road (Highway 84 west) at Thomasville. Drainage area is (a)2.90 mi ² .	1987-92	06-03-92	3.27	410	07-04-91	5.93	1,160
Bruces Branch at Thomasville, Ga. (02327471)	Lat 30°50'39", long 83°58'36", Thomas County, Hydrologic Unit 03120002, at culvert on North Hansell Street at Thomasville. Drainage area is (a)0.21 mi ² .	1987-92	08-06-92	5.70	78	08-25-89	6.21	86
Bruces Branch at Walcott St., at Thomasville, Ga. (02327473)	Lat 30°51'07", long 83°58'42", Thomas County, Hydrologic Unit 03120002, at culvert on Walcott Street at Thomasville. Drainage area is 1.04 mi ² .	1987-92	08-06-92 05-07-87 10-11-87 10-03-88 02-16-90 07-04-91	4.30 5.05 3.95 4.63 5.06 6.90	350 430 315 384 431 620	07-04-91	6.90	620
Bruces Branch tributary at Thomasville, Ga. (02327474)	Lat 30°51'20", long 83°58'18", Thomas County, Hydrologic Unit 03120002, at culvert on Fontaine Drive at Thomasville. Drainage area is (a)0.12 mi ² .	1987-92	06-03-92	3.26	32	07-29-91	6.71	119
Popple Branch near Whigham, Ga. (02327860)	Lat 30°55'36", long 84°15'18", Grady County, Hydrologic Unit 03120002, at culvert on State Highway 179, 3.2 miles north of Whigham. Drainage area is 1.71 mi ² .	1977-92	03-19-92	4.38	296	02-11-86	6.92	609

a Revised.

ND Not determined.

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES--Continued

Maximum discharges at crest-stage partial-record stations

Station name and number	Location and drainage area	Period of record	Date	Water year 1992 maximum		Period of record maximum		
				Gage height (feet)	Dis- charge (ft ³ /s)	Date	Gage height (feet)	Dis- charge (ft ³ /s)
APALACHICOLA RIVER BASIN								
Crooked Creek tributary No. 2 near Norcross, Ga. (02335347)	Lat 33°57'24", long 84°14'43", Gwinnett County, Hydrologic Unit 03130001, at culvert on Holcomb Bridge Road near Norcross. Drainage area is (a)0.19 mi ² .	1987-92	07-02-92	4.31	127	08-22-90	5.63	232
Sope Creek at Old Canton Road near Marietta, Ga. (02335864)	Lat 33°57'26", long 84°25'53", Cobb County, Hydrologic Unit 03130002, at bridge on Old Canton Road, 1.5 miles northeast of Marietta. Drainage area is 12.7 mi ² .	1966-67, 1969-70, 1972, 1977, 1982, 1989-92	01-23-92	14.67	1,220	09-30-89	16.20	2,190
North Fork Peachtree Creek tributary near Chamblee, Ga. (02336090)	Lat 33°50'53", long 84°17'57", DeKalb County, Hydrologic Unit 03130001, at culvert on Meadow- cliff Drive near Chamblee. Drainage area is 0.32 mi ² .	1973-92	09-04-92	6.17	134	05-22-91	11.85	608
North Fork Peachtree Creek tributary near Atlanta, Ga. (02336102)	Lat 33°50'20", long 84°19'19", DeKalb County, Hydrologic Unit 03130001, at culvert on Drew Valley Road near Atlanta. Drainage area is 2.19 mi ² .	1973-78, 1980-92	09-04-92	6.55	815	03-13-75	8.16	1,110
South Fork Peachtree Creek tributary near Atlanta, Ga. (02336238)	Lat 33°47'11", long 84°20'29", DeKalb County, Hydrologic Unit 03130001, at culvert on East Rock Springs Road near Atlanta. Drainage area is 0.90 mi ² .	1974-92	09-04-92	6.05	945	07-23-75	6.61	1,140
South Utoy Creek tributary at East Point, Ga. (02336700)	Lat 33°41'25", long 84°28'05", Fulton County, Hydrologic Unit 03130002, at culvert on Head- land Drive at East Point. Drainage area is 0.79 mi ² .	1964-69††, 1970-78, 1980-92	09-04-92	7.30	498	08-02-71	7.88	533
Hurricane Creek tributary near Fairplay, Ga. (02337448)	Lat 33°35'03", long 84°50'54", Douglas County, Hydrologic Unit 03130002, at culvert on State Highway 5, 8 miles east of Fairplay. Drainage area is 0.33 mi ² .	1977-92	08-22-92	5.08	58	11-05-77	9.46	292
Yellowjacket Creek below Hogansville, Ga. (02338840)	Lat 33°08'22", long 84°58'31", Troup County, Hydrologic Unit 03130002, at bridge on Hammett Road, 5.8 miles southwest of Hogansville. Drainage area is 91.0 mi ² .	1978-85, 1991-92	05-29-91 08-15-92	8.48 8.48	2,280 2,280	04-21-82	10.71	3,990
Beech Creek near LaGrange, Ga. (02338930)	Lat 33°05'32", long 84°59'02", Troup County, Hydrologic Unit 03130002, at bridge on Hammett Road, 4.6 miles northeast of LaGrange. Drainage area is 52.9 mi ² .	1991-92	05-29-91 11-21-91	8.51 6.61	1,350 565	05-29-91	8.51	1,350
Shoal Creek above LaGrange, Ga. (02338980)	Lat 33°04'37", long 84°59'49", Troup County, Hydrologic Unit 03130002, at culvert on Hammett Road, 3.2 miles northeast of LaGrange. Drainage area is 16.0 mi ² .	1991-92	05-29-91 05-30-92	7.04 5.41	890 535	05-29-91	7.04	890
Flat Shoal Creek near West Point, Ga. (02340250)	Lat 32°52'53" a, long 85°04'41", Troup County, Hydrologic Unit 03130002, at State Highway 18, 5 miles east of Interstate Highway 85, near West Point. Drainage area is 204 mi ² .	1948-49, 1961, 1969, 1971, 1981, 1984-92	01-13-92	10.24	1,900	03-17-90	22.16	7,670

a Revised.

†† Operated as a continuous-record gaging station.

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES--Continued

Maximum discharges at crest-stage partial-record stations

Station name and number	Location and drainage area	Period of record	Date	Water year 1992 maximum		Period of record maximum		
				Gage height (feet)	Dis- charge (ft ³ /s)	Date	Gage height (feet)	Dis- charge (ft ³ /s)
APALACHICOLA RIVER BASIN--Continued								
Mulberry Creek near Mulberry Grove, Ga. (02341220)	Lat 32°42'11", long 84°57'29", Harris County, Hydrologic Unit 03130002, at county bridge on Hamilton-Mulberry Grove Road, near Mulberry Grove. Drainage area is 190 mi ² .	1984-92	01-13-92	13.78	2,820	03-17-90	27.74	21,000
Mill Branch at Columbus, Ga. (02341544)	Lat 32°28'19", long 84°53'58", Muscogee County, Hydrologic Unit 03130003, at culvert on Chalbena Road at Columbus. Drainage area is 1.58 mi ² .	1977-92	08-12-92	3.62	252	03-16-90	10.59	1,390
Bull Creek tributary at Columbus, Ga. (02341546)	Lat 32°28'38", long 84°55'36", Muscogee County, Hydrologic Unit 03130003, at culvert on Woodland Drive at Columbus. Drainage area is 0.26 mi ² .	1977-92	08-12-92	3.31	44	03-16-90	5.79	244
Lindsey Creek tributary at Columbus, Ga. (02341548)	Lat 32°31'33", long 84°56'21", Muscogee County, Hydrologic Unit 03130003, at culvert on Canberra Avenue at Columbus. Drainage area is 1.42 mi ² .	1977-92	08-12-92	7.16	604	08-10-91	8.18	871
Juniper Creek near Geneva, Ga. (02341600)	Lat 32°31'41", long 84°34'14", Talbot-Marion County line, Hydrologic Unit 03130003, at State Highway 41, 1.8 miles south of Geneva. Drainage area is 47.4 mi ² .	1963-92	01-14-92	6.70	600	03-17-90	11.78	4,300
Pine Knot Creek near Juniper, Ga. (02341723)	Lat 32°26'14", long 84°39'25", Marion County, Hydrologic Unit 03130003, at State Highway 355, 8 miles south of Juniper. Drainage area is 31.3 mi ² .	1979-92	01-14-92	5.49	295	03-17-90	9.43	1,960
Ochillee Creek near Cusseta, Ga. (02341900)	Lat 32°21'53", long 84°49'02", Chattahoochee County, Hydrologic Unit 03130003, at Hourglass Road, 5 miles northwest of Cusseta. Drainage area is 53.3 mi ² .	1979-92	01-13-92	5.82	ND	03-17-90	16.00	11,000
Bluff Springs Branch near Lumpkin, Ga. (02343219)	Lat 32°01'53", long 84°53'18", Stewart County, Hydrologic Unit 03130003, at culvert on State Highway 27, 5.8 miles southwest of Lumpkin. Drainage area is 2.98 mi ² .	1977-92	01-13-92	1.59	84	03-17-90	4.70	568
Cemochechobee Creek near Coleman, Ga. (02343244)	Lat 31°39'12", long 84°53'02", Randolph County, Hydrologic Unit 03130004, at County Road bridge 1576, 1.5 miles south of Coleman. Drainage area is 15.3 mi ² .	1984-92	02-18-92	4.34	178	05-02-84	7.46	965
Temple Creek near Blakely, Ga. (02343267)	Lat 31°26'34", long 84°59'00", Early County, Hydrologic Unit 03130004, at culvert on State Highway 39, 5.2 miles north of Blakely. Drainage area is 2.78 mi ² .	1978-92	03-07-92	1.57	33	01-26-78	2.03	110
Lazar Creek near Talbotton, Ga. (02346195)	Lat 32°44'33", long 84°33'20", Talbot County, Hydrologic Unit 03130005, at State Highway 41, 5 miles south of Talbotton. Drainage area is 81.3 mi ² .	1981, 1984-92	02-18-92	10.26	ND	03-17-90	24.10	36,100

ND Not determined.

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES--Continued

Maximum discharges at crest-stage partial-record stations

Station name and number	Location and drainage area	Period of record	Date	Water year 1992 maximum		Period of record maximum		
				Gage height (feet)	Dis- charge (ft ³ /s)	Date	Gage height (feet)	Dis- charge (ft ³ /s)
APALACHICOLA RIVER BASIN--Continued								
Coleoatchee Creek (formerly published as Celeoth Creek) near Manchester, Ga. (02346217)	Lat 32°49'20", long 84°36'16", Talbot County, Hydrologic Unit 03130005, at culvert on County Road 39, 1.2 miles southeast of Manchester. Drainage area is 2.82 mi ² .	1969-86, 1988-92	01-14-92	2.11	240	03-16-90	8.31	1,750
Whitewater Creek near Butler, Ga. (02348485)	Lat 32°30'14", long 84°20'03", Taylor County, Hydrologic Unit 03130005, at State Highway 137, 6.5 miles southwest of Butler. Drainage area is 17.3 mi ² .	1979-92	01-14-92	6.83	106	04-01-81	8.74	248
Cedar Creek near Rupert, Ga. (02349030)	Lat 32°23'21", long 84°17'49", Taylor County, Hydrologic Unit 03130005, at U.S. Highway 19, 3 miles south of Rupert. Drainage area is 41.1 mi ² .	1979-92	01-14-92	2.71	167	02-24-79	4.72	580
Buck Creek tributary near Tazewell, Ga. (02349330)	Lat 32°20'50", long 84°22'26", Schley County, Hydrologic Unit 03130006, at culvert on State Highway 240, 4.3 miles east of Tazewell. Drainage area is (c)0.40 mi ² .	1977-92	12-03-91	2.14	22	10-01-89	4.37	103
Buck Creek near Ellaville, Ga. (02349350)	Lat 32°18'35", long 84°17'36", Schley County, Hydrologic Unit 03130006, at U.S. Highway 19, 5 miles north of Ellaville. Drainage area is 146 mi ² .	1979-92	01-14-92	6.75	708	03-17-90	9.67	3,730
Horsehead Creek near Montezuma, Ga. (02349695)	Lat 32°21'28", long 83°56'11", Macon County, Hydrologic Unit 03130006, at culvert on State Highway 224, 8.7 miles northeast of Montezuma. Drainage area is 0.72 mi ² .	1977-92	07-02-92	4.48	106	08-15-91	6.82	194
Choctahatchee Creek tributary near Plains, Ga. (02350685)	Lat 32°02'02", long 84°25'59", Sumter County, Hydrologic Unit 03130007, at culvert on U.S. Highway 280, 2.4 miles west of Plains. Drainage area is 0.32 mi ² .	1977-92	03-19-92	0.99	5	02-06-85	2.75	92
Kinchafoonee Creek tributary at Albany, Ga. (02351210)	Lat 31°36'23", long 84°10'54", Dougherty County, Hydrologic Unit 03130008, at culvert on Hoover and Sharon Streets at Albany. Drainage area is (a)0.12 mi ² .	1987-92	01-13-92	0.84	2.2	01-07-90	1.91	10
Kinchafoonee Creek tributary No. 2 at Albany, Ga. (02351220)	Lat 31°37'06", long 84°11'25", Dougherty County, Hydrologic Unit 03130008, at culvert on Wilmar Lane at Albany. Drainage area is (a)0.09 mi ² .	1987-92	02-17-92	2.01	8.9	06-26-91	2.20	10
Emily Avenue Canal at Albany, Ga. (02352605)	Lat 31°32'52", long 84°09'28", Dougherty County, Hydrologic Unit 03130008, at culvert on Emily Avenue at Albany. Drainage area is (a)0.16 mi ² .	1987-92	01-13-92	1.32	12	08-06-90	2.94	71
Percosin Creek tributary at Albany, Ga. (02352964)	Lat 31°35'47", long 84°14'03", Dougherty County, Hydrologic Unit 03130008, at culvert on Deans Drive at Albany. Drainage area is 0.05 mi ² .	1987-92	01-13-92	2.02	2.6	07-17-91	2.81	8.5

a Revised.

c Approximately.

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES--Continued

Maximum discharges at crest-stage partial-record stations

Station name and number	Location and drainage area	Period of record	Date	Water year 1992 maximum		Period of record maximum		
				Gage height (feet)	Dis- charge (ft ³ /s)	Date	Gage height (feet)	Dis- charge (ft ³ /s)
APALACHICOLA RIVER BASIN--Continued								
Spring Creek at Colquitt, Ga. (02356640)	Lat 31°10'14", long 84°44'34", Miller County, Hydrologic Unit 03130010, at U.S. Highway 27 at Colquitt. Drainage area is 281 mi ² .	1981-92	02-18-92	9.14	3,260	02-06-82	11.23	6,240
MOBILE RIVER BASIN								
Pinhook Creek (prior to 1986, published as Mill Creek tributary) near Eton, Ga. (02384600)	Lat 34°49'38", long 84°48'58", Murray County, Hydrologic Unit 03150101, at culvert on State Highway 286, 3 miles west of Eton. Drainage area is 4.28 mi ² .	1964-92	04-22-92	4.68	248	08-22-67	7.30	960
Conasauga River near Dawnville, Ga. (02384630)	Lat 34°48'03", long 84°50'18", Whitfield-Murray County line, Hydrologic Unit 03150101, 2.6 miles southeast of Dawnville. Drainage area is 303 mi ² .	1984-92	12-04-91	16.42	ND	02-16-90	24.30	ND
Euharlee Creek at Rockmart, Ga. (02394820)	Lat 33°59'55", long 85°03'09", Polk County, Hydrologic Unit 03150104, at U.S. Highway 278 (State Highway 6) at Rockmart. Drainage area is 42.1 mi ² .	1961, 1974, 1979, 1984-92	11-21-91	7.67	1,460	03-04-79	15.00	7,000
Etowah River tributary near Rome, Ga. (02395990)	Lat 34°16'02", long 85°08'18", Floyd County, Hydrologic Unit 03150104, at culvert on Atteiram Road near Rome. Drainage area is 0.37 mi ² .	1979-92	08-27-92	2.10	15	03-13-86	7.46	193
Silver Creek tributary No. 2 at Lindale Road, near Rome, Ga. (02396510)	Lat 34°12'56", long 85°10'09" Floyd County, Hydrologic Unit 03150104, at culvert on Lindale Road, near Rome. Drainage area is 0.04 mi ² .	1979-92	08-27-92	3.26	39	02-28-89	3.48	44
Silver Creek tributary No. 3 at Rome, Ga. (02396550)	Lat 34°13'26", long 85°09'14", Floyd County, Hydrologic Unit 03150104, at culvert on U.S. Highway 27, 0.4 mile north of U.S. Highway 411 interchange at Rome. Drainage area is 0.19 mi ² .	1979-92	08-27-92	5.50	198	08-27-92	5.50	198
Harrisburg Creek near Hawkins, Ga. (02397830)	Lat 34°36'02", long 85°23'21", Walker County, Hydrologic Unit 03150105, at bridge on County Road 91, 0.7 mile west of Hawkins. Drainage area is 13.3 mi ² .	1980-82††, 1983-92	03-19-92	8.03	1,390	02-16-90	12.00	5,530
McClendon Creek tributary near Dallas, Ga. (02411735)	Lat 33°50'59", long 84°57'20", Paulding County, Hydrologic Unit 03150108, at culvert on State Highway 120, 9.3 miles southwest of Dallas. Drainage area is 0.88 mi ² .	1977-92	11-21-91	3.41	212	05-27-81	8.23	860
Mann Creek tributary near Tallapoosa, Ga. (02411902)	Lat 33°51'16", long 85°17'28", Haralson County, Hydrologic Unit 03150108, at culvert on State High- way 100, 7 miles north of Tallapoosa. Drainage area is 0.12 mi ² .	1977-92	06-04-92	2.82	30	04-13-79	5.51	107

†† Operated as a continuous-record gaging station.

ND Not determined.

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES--Continued

The following table contains annual maximum discharges at sites not included in the continuous gaging or crest-stage partial-record program. These discharges are generally obtained for discontinued gaging stations, discontinued crest-stage partial-record stations, or other miscellaneous sites to give better areal coverage of flood events.

Maximum discharges at miscellaneous stations

Station name and number	Location and drainage area	Period of record	Date	Water year 1992 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 .	1898-1912, 1913- 18g, 1920-83g, 1986-92	08-23-92	18.48	12,000	08-25-08	39.00	70,000
OGEECHEE RIVER BASIN								
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 .	1925, 1928-30, 1936-71‡, 1972-92	03-10-92	8.90	6,560	10-1929	17.00	75,000
ALTAMAHA RIVER BASIN								
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 mi northwest of Covington. Drainage area is 378 mi ² .	1936, 1945-65, 1976-82 1983-92	09-06-92	14.06	4,890	04-07-36	29.90	30,000
APALACHICOLA RIVER BASIN								
Chattahoochee River near Leaf, Ga. (02331000)	Lat 34°34'37", long 83°38'09", Habersham County, Hydrologic Unit 03130001, at State Highway 115, 1.5 east of Leaf. Drainage area is 150 mi ² .	1940-71‡‡, 1972-92	08-28-92	7.80	5,500	05-28-73	17.50	22,500
Kinchafoonee Creek at Preston, Ga. (02350600)	Lat 32°03'09", long 84°32'54", Webster County, Hydrologic Unit 03130007, at bridge on State Highway 41, 1 mi southwest of Preston, and 1 mi upstream from Harrell Mill Creek. Drainage area is 197 mi ² .	1943,1948-50, 1951-77‡‡, 1978-80, 1987-92	01-15-92	7.16	2,270	03-17-90	12.16	14,500
TENNESSEE RIVER BASIN								
Hiawassee River at Presley, Ga. (03545000)	Lat 34°54'17", long 83°42'01", Towns County, Hydrologic Unit 06020002, on left bank, 0.1 mi downstream from Cynth Creek, 0.5 mi southeast of Presley, and at mile 133.9. Drainage area is 45.5 mi ² .	1942-82‡‡, 1983-92	08-28-92	7.12	1,930	03-11-52	15.24	5,700
Nottely River near Blairsville, Ga. (0355050)	Lat 34°50'42", long 83°56'20", Union County, Hydrologic Unit 06020002, on right bank, 1,700 ft downstream from Arkaqua Creek, 2.6 mi southeast of Blairsville, and at mile 44. Drainage area is 78.6 mi ² .	1942-82‡‡, 1983-92	07-02-92	8.48	3,200	08-23-67	21.04	12,900

g Maximum gage heights computed from graph based on gage readings.

‡ Operated as a continuous-record gaging station.

‡‡ Operated as a crest-stage partial-record station.

ACTIVE AND DISCONTINUED GAGING STATIONS

The following list contains discontinued and currently operated continuous-record streamflow stations on streams within the State of Georgia and its border with adjacent States. Daily streamflow record were collected and published for the periods of record shown for each station. Some stations have monthly figures published for additional periods other than those noted in the period of record column.

Station no.	Station name	Latitude	Longitude	Drainage area (mi ²)	Period(s) of record
02177000	Chattooga River near Clayton	34°48'50"	83°18'22"	207	Oct. 1, 1939 to Sept. 30, 1992
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 Sept. 30, 1992
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 Sept. 30, 1992
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 Sept. 30, 1992
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 Sept. 30, 1992
02193340	Kettle Creek near Washington	33°40'57"	82°51'29"	33.9	Apr. 16, 1986 to Sept. 30, 1992
02193500	Little River near Washington	33°36'40"	82°44'40"	291	Oct. 1, 1949 to June 23, 1971 May 1, 1989 to Sept. 30, 1992
02194000	Little River near Luncheonette	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 Sept. 30, 1992
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 Sept. 30, 1992
02197320	Savannah River near Jackson, S.C.	33°13'01"	81°46'04"	7,800	Oct. 1, 1971 to Sept. 30, 1992
02197500	Savannah River at Burtens Ferry Bridge near Millhaven	32°56'20"	81°30'10"	8,650	Oct. 1, 1939 to Sept. 30, 1970 Oct. 1, 1982 to Sept. 30, 1992
02197520	Brier Creek near Thomson	33°22'06"	82°28'06"	55.0	July 18, 1967 to Sept. 30, 1992
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 Sept. 30, 1992
02197830	Brier Creek near Waynesboro	33°07'05"	81°57'50"	473	July 1, 1969 to Sept. 30, 1992
02198000	Brier Creek at Millhaven	32°56'00"	81°39'05"	646	Apr. 14, 1937 to Sept. 30, 1992
02198100	Beaverdam Creek near Sardis	32°56'15"	81°48'56"	30.8	June 7, 1986 to Sept. 30, 1992

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	Sept. 30, 1933
					Oct. 1, 1937	to	Sept. 30, 1992
02198690	Ebenezer Creek at Springfield	32°21'56"	81°17'51"	181	Mar. 1, 1990	to	Sept. 30, 1992
02200500	Ogeechee River near Louisville	32°58'03"	8°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	Sept. 30, 1992
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	Sept. 30, 1992
02202600	Black Creek near Blitchton	32°10'04"	81°29'18"	232	Feb. 14, 1980	to	Sept. 30, 1992
02203000	Canoochee River near Claxton	32°11'05"	81°53'20"	555	May 26, 1937	to	Sept. 30, 1992
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	Sept. 30, 1992
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	Sept. 30, 1992
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	Sept. 30, 1992
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	Sept. 30, 1992
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	Sept. 30, 1992
02213000	Ocmulgee River at Macon	32°50'19"	83°37'14"	2,240	Feb. 1, 1893	to	July 31, 1912
					Oct. 1, 1928	to	Sept. 30, 1992
02213050	Walnut Creek near Gray	32°58'20"	83°37'08"	29.0	Oct. 1, 1961	to	Sept. 30, 1992
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	Sept. 30, 1992
02213700	Ocmulgee River near Warner Robins	32°40'17"	83°36'11"	2,690	Oct. 1, 1972	to	Sept. 30, 1992
02214000	Echeconnee Creek near Macon	32°45'54"	83°50'22"	147	Apr. 1, 1937	to	Sept. 30, 1943
2214500	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	Sept. 30, 1992
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	Sept. 30, 1992
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	Sept. 30, 1992
02216610	Tillman Mill Creek near Lumber City	31°58'53"	82°38'32"	2.71	Oct. 1, 1974	to	Sept. 30, 1985

ACTIVE AND DISCONTINUED GAGING STATIONS--Continued

Station no.	Station name	Latitude	Longitude	Drainage area (mi ²)	Period(s) of record	
02217000	Allen Creek at Talmo	34°11'34"	83°43'11"	17.3	July 7, 1951	to Sept. 30, 1971
02217475	Middle Oconee River near Arcade	34°01'54"	83°33'48"	340	Mar. 1, 1987	to Sept. 30, 1992
02217500	Middle Oconee River near Athens	33°56'48"	83°25'22"	398	Oct. 1, 1901	to Sept. 30, 1902
					Jan. 1, 1929	to Mar. 31, 1932
					May 1, 1937	to Sept. 30, 1992
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 Sept. 30, 1992
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 Sept. 30, 1992
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 Sept. 30, 1992
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 Sept. 30, 1992
02223000	Oconee River at Milledgeville	33°05'22"	83°12'56"	2,950	Sept. 1, 1903	to Sept. 30, 1992
02223300	Big Sandy Creek near Jeffersonville	32°48'15"	83°25'04"	31.0	Oct. 1, 1958	to Sept. 30, 1971
02223500	Oconee River at Dublin	32°32'40"	82°53'41"	4,400	Oct. 1, 1897	to Sept. 30, 1992
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 Sept. 30, 1992
02225500	Ochoopee River near Reidsville	32°04'42"	82°10'39"	1,110	June 24, 1903	to Dec. 31, 1907
					May 25, 1937	to Sept. 30, 1992
02226000	Altamaha River at Doctortown	31°39'16"	81°49'41"	13,600	Oct. 1, 1931	to Sept. 30, 1992
02226100	Penholoway Creek near Jesup	31°34'00"	81°50'18"	210	July 1, 1958	to Sept. 30, 1992
02226500	Satilla River near Waycross	31°14'17"	82°19'29"	1,200	Apr. 1, 1937	to Sept. 30, 1992
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	Jul. 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 Sept. 30, 1992
02228000	Satilla River at Atkinson	31°13'16"	81°52'03"	2,790	Mar. 21, 1930	to Sept. 30, 1992
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 Sept. 30, 1989
02231000	St Marys River near Macclenny, FL	30°21'31"	82°04'54"	700	Oct. 1, 1926	to Sept. 30, 1992
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, 192	to Dec. 9, 1931
					Apr. 20, 1937	to Sept. 30, 1992
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 Sept. 30, 1992
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 Sept. 30, 1992
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
02318500	Withlacoochee River near Quitman	30°47'35"	83°27'13"	1,480	Oct. 1, 1928	to Dec. 11, 1931
					June 9, 1937	to May 31, 1948
					Oct. 1, 1988	to May 7, 1992

ACTIVE AND DISCONTINUED GAGING STATIONS--Continued

Station no.	Station name	Latitude	Longitude	Drainage area (mi ²)	Period(s) of record	
02318700	Okapilco Creek at State Route 33 near Quitman	30°49'32"	83°33'45"	269	Dec. 21, 1979 to	Sept. 30, 1992
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
02330450	Chattahoochee River at Helen	34°42'03"	83°43'44"	44.7	May 5, 1981 to	Sept. 30, 1992
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	Sept. 30, 1992
02332000	King Branch near Alto	34°27'05"	83°36'45"	0.42	May 1, 1944 to	Sept. 30, 1948
02333000	Chattahoochee River near Gainesville	34°19'17"	83°52'46"	559	June 26, 1901 to	Sept. 27, 1902
					Dec. 28, 1902 to	Dec. 31, 1903
					Apr. 28, 1937 to	Feb. 29, 1956
02333500	Chestatee River near Dahlonega	34°31'41"	83°56'23"	153	July 8, 1929 to	Jan. 31, 1932
					Apr. 1, 1940 to	Sept. 30, 1992
02334430	Chattahoochee River at Buford Dam near Buford	34°09'25"	84°04'44"	1,040	Oct. 1, 1971 to	Sept. 30, 1992
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	Sept. 30, 1992
02335000	Chattahoochee River near Norcross	33°59'50"	84°12'07"	1,170	Jan. 1, 190 to	Sept. 30, 1946
					Oct. 1, 1956 to	Sept. 30, 1992
02335450	Chattahoochee River at Eves Road above Roswell	33°59'09"	84°18'58"	1,220	July 7, 1976 to	Sept. 30, 1992
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	Sept. 30, 1992
02335870	Sope Creek near Marietta	33°57'14"	84°26'36"	29.2	Oct. 1, 1984 to	Sept. 30, 1992
02336000	Chattahoochee River at Atlanta	33°51'33"	84°27'16"	1,450	Aug. 1, 1928 to	Dec. 31, 1931
					Oct. 1, 1936 to	Sept. 30, 1992
02336300	Peachtree Creek at Atlanta	33°49'10"	84°24'28"	86.8	June 20, 1958 to	Sept. 30, 1992
02336380	Nancy Creek at Randall Mill Road at Atlanta	33°51'35"	84°25'28"	34.8	Oct. 1, 196 to	Sept. 30, 1964
02336490	Chattahoochee River at State Route 280 near Atlanta	33°49'01"	84°28'48"	1,600	Mar. 3, 1981 to	Sept. 30, 1992
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
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	Sept. 30, 1992
02337100	North Fork Camp Creek at Atlanta	33°39'40"	84°30'40"	5.25	Oct. 1, 1963 to	Sept. 30, 1969
02337170	Chattahoochee River near Fairburn	33°39'24"	84°40'25"	2,060	July 6, 1965 to	Sept. 30, 1992
02337500	Snake Creek near Whitesburg	33°31'46"	84°55'42"	35.5	Sept. 15, 1954 to	Sept. 30, 1992
02338000	Chattahoochee River near Whitesburg	33°28'37"	84°54'04"	2,430	Oct. 1, 1938 to	June 30, 1954
					Jan. 1, 1965 to	Sept. 30, 1992
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	Sept. 30, 1992
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	Sept. 30, 1992
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	Sept. 30, 1992
02341800	Upatoi Creek near Columbus	32°24'48"	84°49'12"	342	Apr. 1, 1968 to	Sept. 30, 1992
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

ACTIVE AND DISCONTINUED GAGING STATIONS--Continued

Station no.	Station name	Latitude	Longitude	Drainage area (mi ²)	Period(s) of record	
02343801	Chattahoochee River at Andrews Lock and Dam at Columbia, Ala.	31°15'33"	85°06'37"	8,210	Oct. 1, 1975	to Sept. 30, 1992
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 Sept. 30, 1992
02344500	Flint River near Griffin	33°14'39"	84°25'45"	272	Mar. 1, 1937	to Sept. 30, 1992
02344700	Line Creek near Senoia	33°19'10"	84°31'25"	101	Sept. 1, 1964	to Sept. 30, 1992
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 Sept. 30, 1992
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 Sept. 30, 1992
02349900	Turkey Creek at Byromville	32°11'44"	83°54'03"	45.0	June 20, 1958	to Sept. 30, 1992
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
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 Sept. 30, 1992
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 Sept. 30, 1992
02351000	Kinchafoonee Creek near Leesburg	31°43'10"	84°11'08"	586	Apr. 1, 1906	to Dec. 31, 1909
02351890	Muckalee Creek at State Route 195 near Leesburg	31°46'34"	84°08'22"	362	Dec. 15, 1979	to Sept. 30, 1992
02352500	Flint River at Albany	31°35'39"	84°08'39"	5,310	Oct. 1, 1901	to June 30, 1921
					Oct. 1, 1929	to Sept. 30, 1992
02353000	Flint River at Newton	31°18'34"	83°20'06"	5,740	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 Sept. 30, 1992
02353400	Pachitta Creek near Edison	31°33'17"	84°40'43"	188	June 9, 1959	to Sept. 30, 1971
					Mar. 24, 1988	to Sept. 30, 1992
02353500	Ichawaynochaway Creek at Milford	31°22'58"	84°32'52"	620	Sept. 1, 1905	to Dec. 31, 1907
					Oct. 1, 1939	to Sept. 30, 1992
02354000	Alligator Creek near Milford	31°21'17"	84°33'58"	14.0	Jan. 1, 1942	to May 31, 1952
02354500	Chickasawhatchee Creek at Elmodel	31°21'09"	84°29'10"	320	Oct. 1, 1939	to Dec. 31, 1949
02355000	Ichawaynochaway Creek at Newton	31°16'00"	84°29'00"	1,020	Aug. 10, 1937	to Mar. 31, 1939
					Oct. 1, 1939	to Sept. 30, 1947
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
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
					June 7, 1982	to Sept. 30, 1992
02379000	Cartecay River near Cartecay	34°38'19"	84°24'32"	86.4	July 1, 1904	to Dec. 31, 1905
					Dec. 12, 1918	to June 30, 1921
02379500	Cartecay River near Ellijay	34°40'53"	84°27'20"	134	Mar. 17, 1937	to Sept. 30, 1977
02380000	Ellijay River at Ellijay	34°41'06"	84°28'40"	87.7	May 4, 1907	to Dec. 31, 1907
					Dec. 10, 1918	to June 30, 1921
					Feb. 26, 1953	to Sept. 30, 1969

ACTIVE AND DISCONTINUED GAGING STATIONS--Continued

Station no.	Station name	Latitude	Longitude	Drainage area (mi ²)	Period(s) of record	
02380500	Coosawattee River near Ellijay	34°40'18"	84°30'31"	236	Oct. 1, 1938 to Dec. 31, 1949	
					June 1, 1963 to Sept. 30, 1992	
02381000	Mountaintown Creek near Ellijay	34°45'00"	84°33'25"	31.5	Oct. 1, 1939 to Dec. 31, 1942	
02381500	Coosawattee River near Carters	34°36'45"	84°40'15"	374	Sept. 12, 1925 to Dec. 10, 1931	
					Oct. 1, 1961 to Sept. 30, 1964	
02381600	Fausett Creek near Talking Rock	34°34'17"	84°27'55"	9.99	Oct. 1, 1974 to Sept. 30, 1992	
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	
					Aug. 1, 1986 to Apr. 2, 1991	
02382200	Talking Rock Creek near Hinton	34°31'22"	84°36'40"	119	Nov. 1, 1973 to Sept. 30, 1992	
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	
					Oct. 1, 1961 to Sept. 7, 1972	
					Oct. 1, 1974 to Sept. 30, 1992	
02383000	Rock Creek near Fairmount	34°21'32"	84°46'46"	6.17	Oct. 1, 1951 to Sept. 30, 1974	
02383500	Coosawattee River near Pine Chapel	34°33'51"	84°49'59"	831	Nov. 11, 1938 to Sept. 30, 1992	
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 Sept. 30, 1992	
02384540	Mill Creek near Crandall	34°52'19"	84°43'17"	8.27	Jan. 30, 1985 to Sept. 30, 1992	
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 Sept. 30, 1992	
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 Sept. 30, 1992	
02387500	Oostanaula River at Resaca	34°34'42"	84°56'29"	1,600	Nov. 1, 1892 to Sept. 30, 1992	
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 Sept. 30, 1992	
02388500	Oostanaula River at Rome	34°18'02"	85°08'30"	2,120	Oct. 1, 1939 to Sept. 30, 1992	
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 Sept. 30, 1992	
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 at Cartersville	34°09'47"	84°44'28"	1,120	Sept. 1, 1938 to Sept. 30, 1992	
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 Sept. 30, 1992	
02395120	Two Run Creek near Kingston	34°14'34"	84°53'23"	33.1	May 2, 1980 to Sept. 30, 1992	
02395500	Dykes Creek near Rome	34°15'30"	85°05'01"	14.9	Jan. 1, 1939 to Dec. 31, 1942	
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, 1992	
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 Sept. 30, 1992	
02397410	Cedar Creek at Cedartown	33°59'45"	85°15'53"	66.9	May 4, 1981 to Sept. 30, 1992	
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	

ACTIVE AND DISCONTINUED GAGING STATIONS--Continued

Station no.	Station name	Latitude	Longitude	Drainage area (mi ²)	Period(s) of record	
02398000	Chattooga River at Summerville	34°28'03"	85°20'19"	192	Mar. 11, 1937	to Sept. 30, 1992
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 Sept. 30, 1992
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 Sept. 30, 1992
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 Sept. 30, 1992
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

GROUND-WATER LEVELS

CHARLTON COUNTY

304942082213801 Local number, 27E004.

LOCATION.--Lat 30°49'43", long 82°21'38", Hydrologic Unit 03110201, end of Georgia Highway 177 east of Stephen C. Foster State Park.

Owner: U.S. Geological Survey, test well OK 9.

AQUIFER.--Upper Floridan aquifer.

WELL CHARACTERISTICS.--Drilled observation well, diameter 4 in., depth 700 ft, cased to 498 ft, open hole.

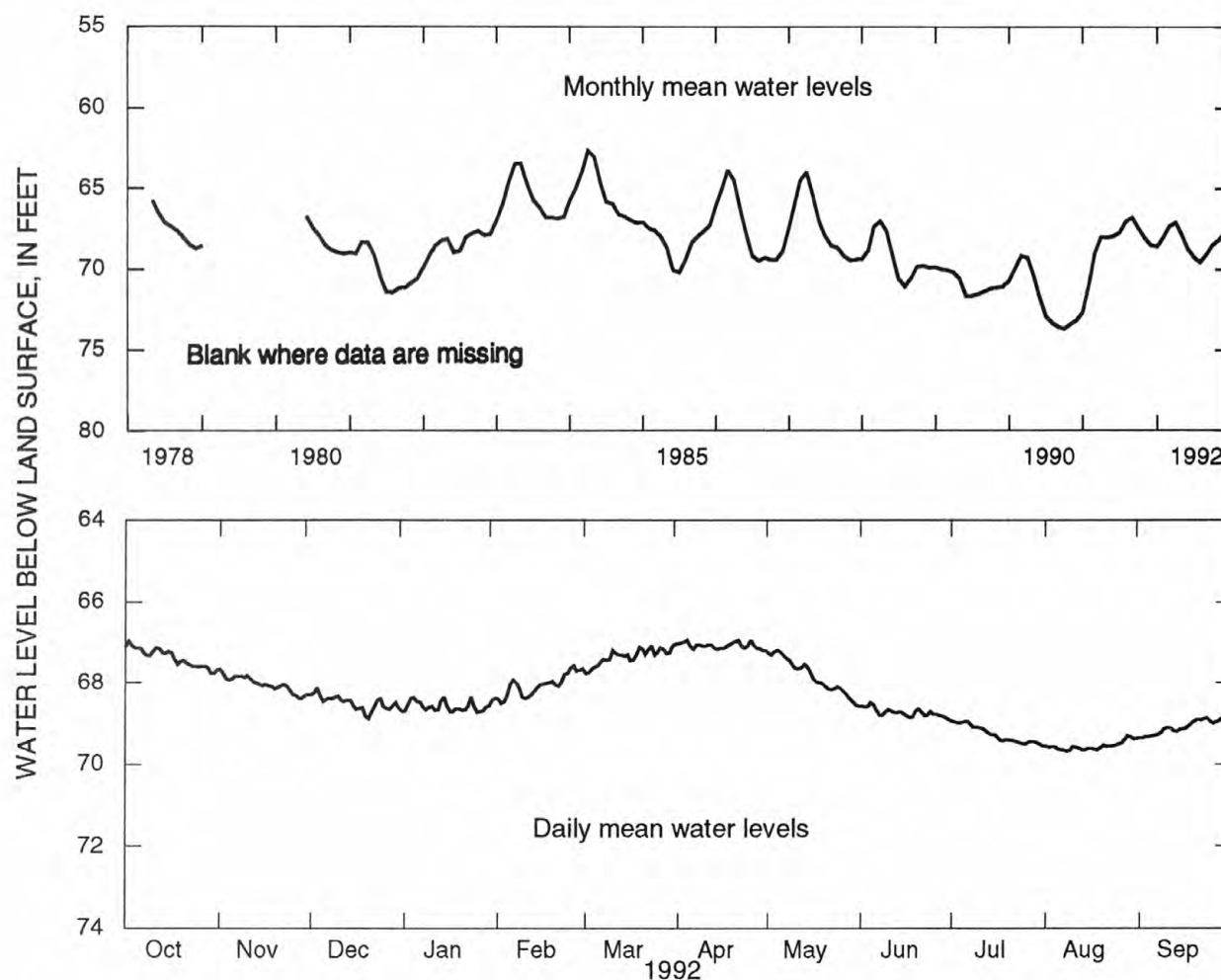
INSTRUMENTATION.--Water-level recorder.

DATUM.--Elevation of land-surface is 116 ft above National Geodetic Vertical Datum of 1929. Measuring point: Floor of recorder shelter, 4.3 ft above land-surface datum.

REMARKS.--Well drilled in May, 1978 to replace U.S. Geological Survey test well OK 8 (27E002).

PERIOD OF RECORD.--June 14, 1978 to Jan. 26, 1979; Jan. 1, 1980 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 62.30 ft below land-surface datum, May 9, 1984; lowest, 73.91 ft below land surface datum, Oct. 3, 7-8, 1990.



WATER YR 1992	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	67.39	68.05	68.51	68.58	68.05	67.34	67.09	67.84	68.73	69.27	69.56	69.09
LOW	67.77	68.39	68.89	68.73	68.51	67.75	67.21	68.58	68.90	69.55	69.68	69.35
HIGH	66.99	67.76	68.12	68.35	67.58	67.05	66.96	67.21	68.49	68.95	69.31	68.87
WATER YR 1992	MEAN 68.29			HIGHEST 66.96, Apr. 4, 21			LOWEST 69.68, Aug. 8.					

GROUND-WATER LEVELS

CHATHAM COUNTY

315950081161201 Local number, 35P094.

LOCATION.--Lat 31°59'50", long 81°16'12", Hydrologic Unit 03060204, Barbour Lathrop Plant Introduction Station, 10 mi south of Savannah, north of the intersection of U.S. Highway 17 and Argyle Rd.

Owner: University of Georgia, formerly owned by U.S. Department of Agriculture.

AQUIFER.--Sands of Holocene and Pleistocene ages.

WELL CHARACTERISTICS.--Bored observation well, diameter 30 in., depth 15 ft, cased to 15 ft, open end.

INSTRUMENTATION.--Water-level recorder.

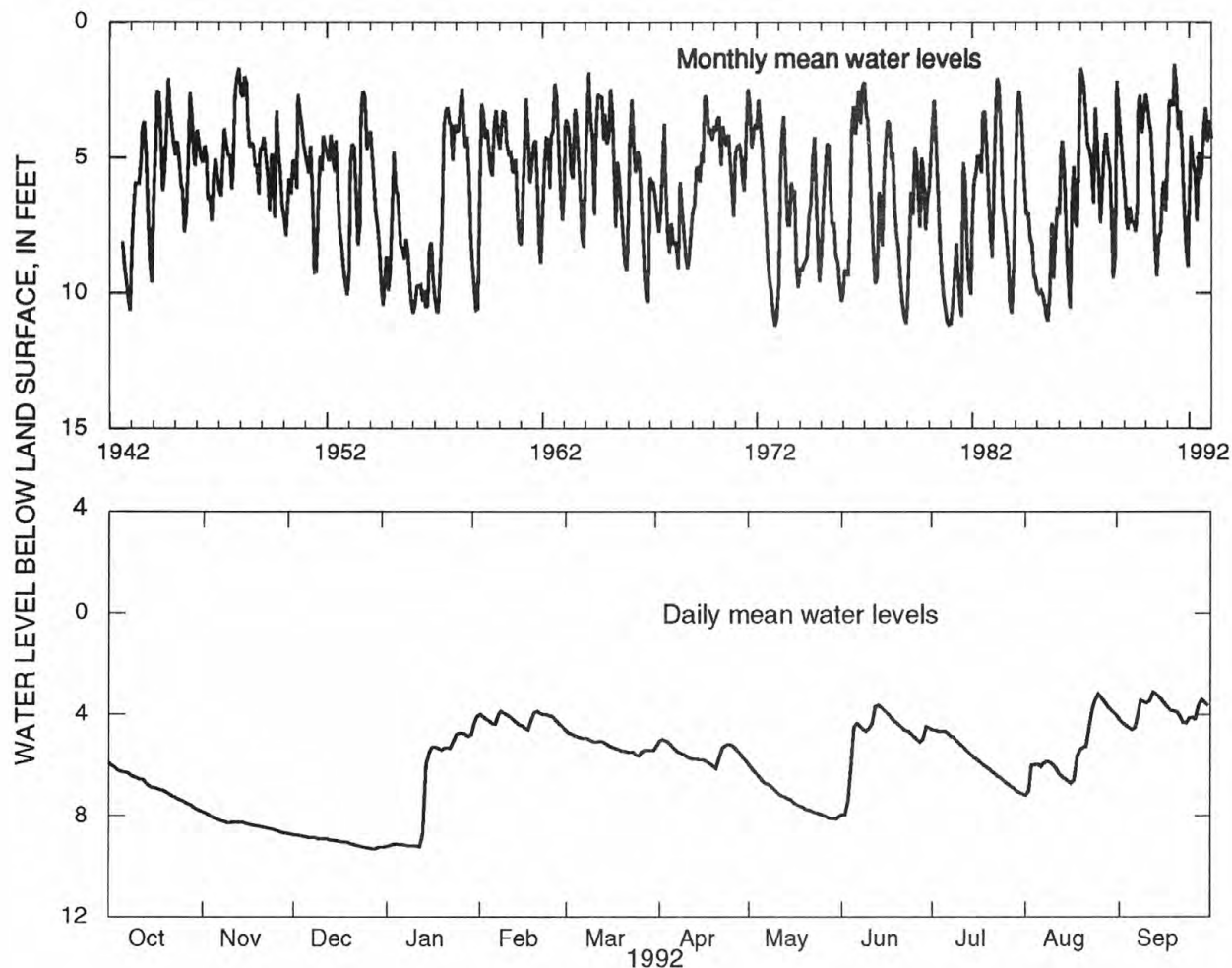
DATUM.--Elevation of land-surface is 18.67 ft above National Geodetic Vertical Datum of 1929.

Measuring point: Iron bracket on recorder shelter, 3.3 ft above land-surface datum.

REMARKS.--Responds quickly to precipitation.

PERIOD OF RECORD.--August 1942 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 0.05 ft below land-surface datum, Sept. 26, 1953; lowest, 12.28 ft below land-surface datum, November 30, 1972.



WATER YR 1992	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	6.87	8.33	9.01	6.76	4.19	5.21	5.53	7.34	4.8	5.77	5.35	3.86
LOW	7.79	8.71	9.29	9.21	4.6	5.63	6.13	8.11	7.94	7.12	7.01	4.58
HIGHr	6.02	7.9	8.75	4.09	3.89	4.76	4.99	6.16	3.63	4.6	3.2	3.12
WATER YR 1992	MEAN 6.10			HIGHEST 3.12, Sept. 12			LOWEST 9.29, Dec. 28					

GROUND-WATER LEVELS

CHATHAM COUNTY

320021081124801 Local number, 36Q020.

LOCATION.--Lat 32°00'18", long 81°12'48", Hydrologic Unit 03060204, 2.7 mi south of intersection of U.S. Highway 17 with Dean Forest Road.

Owner: H.J. Morrison.

AQUIFER.--Upper Floridan aquifer.

WELL CHARACTERISTICS.--Drilled unused domestic well, diameter 3 in., depth 365 ft, cased to 330 ft, open hole.

INSTRUMENTATION.--Water-level recorder.

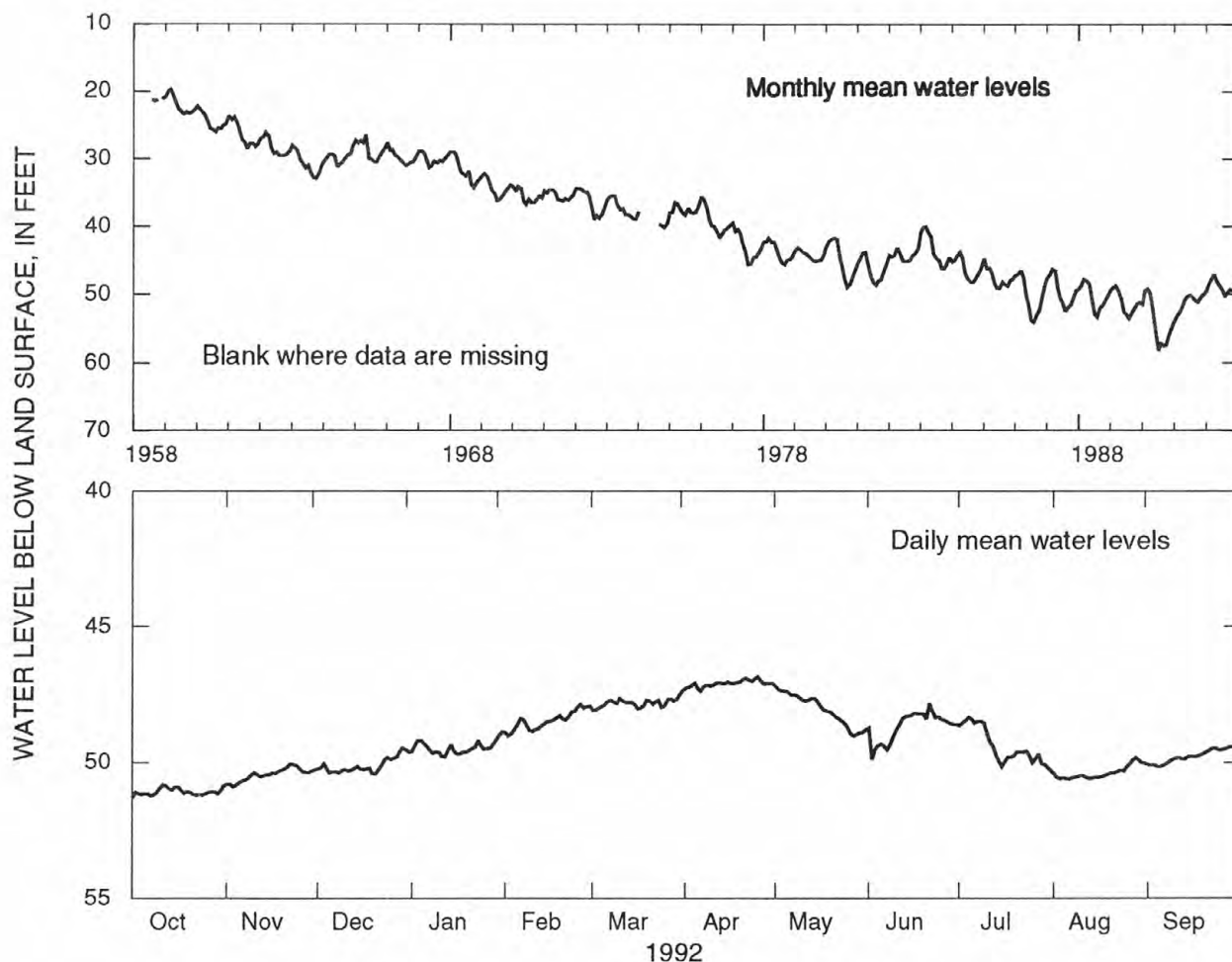
DATUM.--Elevation of land-surface is 13 ft above National Geodetic Vertical Datum of 1929.

Measuring point: Floor of recorder shelter, 3.88 ft above land-surface datum.

REMARKS.--Borehole geophysical survey conducted May 7, 1985. Water levels for periods of missing record, June 2-22 and July 1-27, were estimated.

PERIOD OF RECORD.--March 1958 to current year.

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 the period of estimated water level.



WATER YR 1992	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	51.08	50.44	50.11	49.46	48.47	47.8	47.1	48.06	48.67	49.4	50.38	49.76
LOW	51.22	50.88	50.42	49.8	49.02	48.07	47.38	49.02	49.88	50.31	50.62	50.15
HIGH	50.82	50.06	49.47	48.89	47.87	47.34	46.86	47.33	47.84	48.36	49.82	49.42
WATER YR 1992	MEAN 49.23			HIGHEST 46.86, Apr. 25			LOWEST 51.28, Oct. 1					

GROUND-WATER LEVELS

CHATHAM COUNTY

320122080510204 Local number, 39Q003.

LOCATION.--Lat 32°01'22", long 80°51'01" (revised), Hydrologic Unit 03060204, Tybee Island near Fort Screven.

Owner: U.S. Geological Survey, test well 7.

AQUIFER.--Upper Floridan aquifer.

WELL CHARACTERISTICS.--Drilled observation well, diameter 10 in., depth 600 ft, cased to 129 ft, open hole.

INSTRUMENTATION.--Water-level recorder.

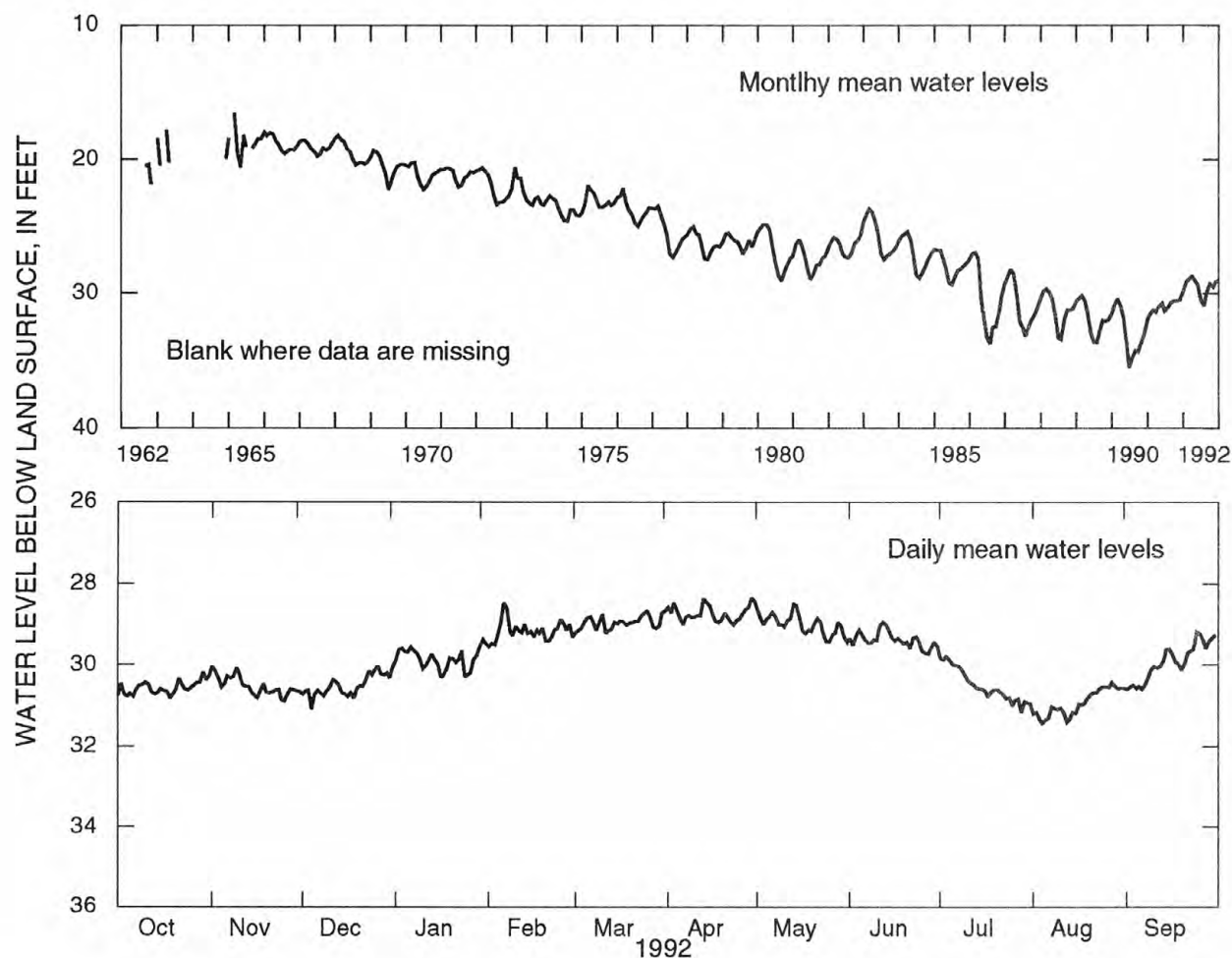
DATUM.--Elevation of land-surface is 7.0 ft above National Geodetic Vertical Datum of 1929.

Measuring point: Top of 10 in. casing, 2.0 ft above land-surface datum.

REMARKS.--Borehole geophysical survey conducted Jan. 24, 1962.

PERIOD OF RECORD.--May 1952 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 17.8 ft below land-surface datum, Apr. 11, 1963; lowest, 36.07 ft below land-surface datum, July 11-12, 1990.



WATER YR 1992	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	30.57	30.52	30.50	29.85	29.16	28.95	28.74	29.01	29.38	30.50	30.93	29.92
LOW	30.82	30.88	31.09	30.31	29.50	29.22	29.02	29.44	29.73	31.16	31.43	30.59
HIGH	30.18	30.08	30.03	29.37	28.48	28.68	28.35	28.51	28.96	29.80	30.44	29.19
WATER YR 1992	MEAN 29.84			HIGHEST 28.35, Apr. 29			LOWEST 31.43, Aug. 4					

GROUND-WATER LEVELS

CHATHAM COUNTY

320202080541201 Local number, 38Q002.

LOCATION.--Lat 32°02'01", long 80°54'11" (revised), Hydrologic Unit 03060204, Cockspur Island, near pilot house.

Owner: U.S. Department of the Interior, National Park Service.

AQUIFER.--Upper Floridan aquifer.

WELL CHARACTERISTICS.--Drilled observation well, diameter 8 in., depth 348 ft, cased to 110 ft, open hole.

INSTRUMENTATION.--Water-level recorder.

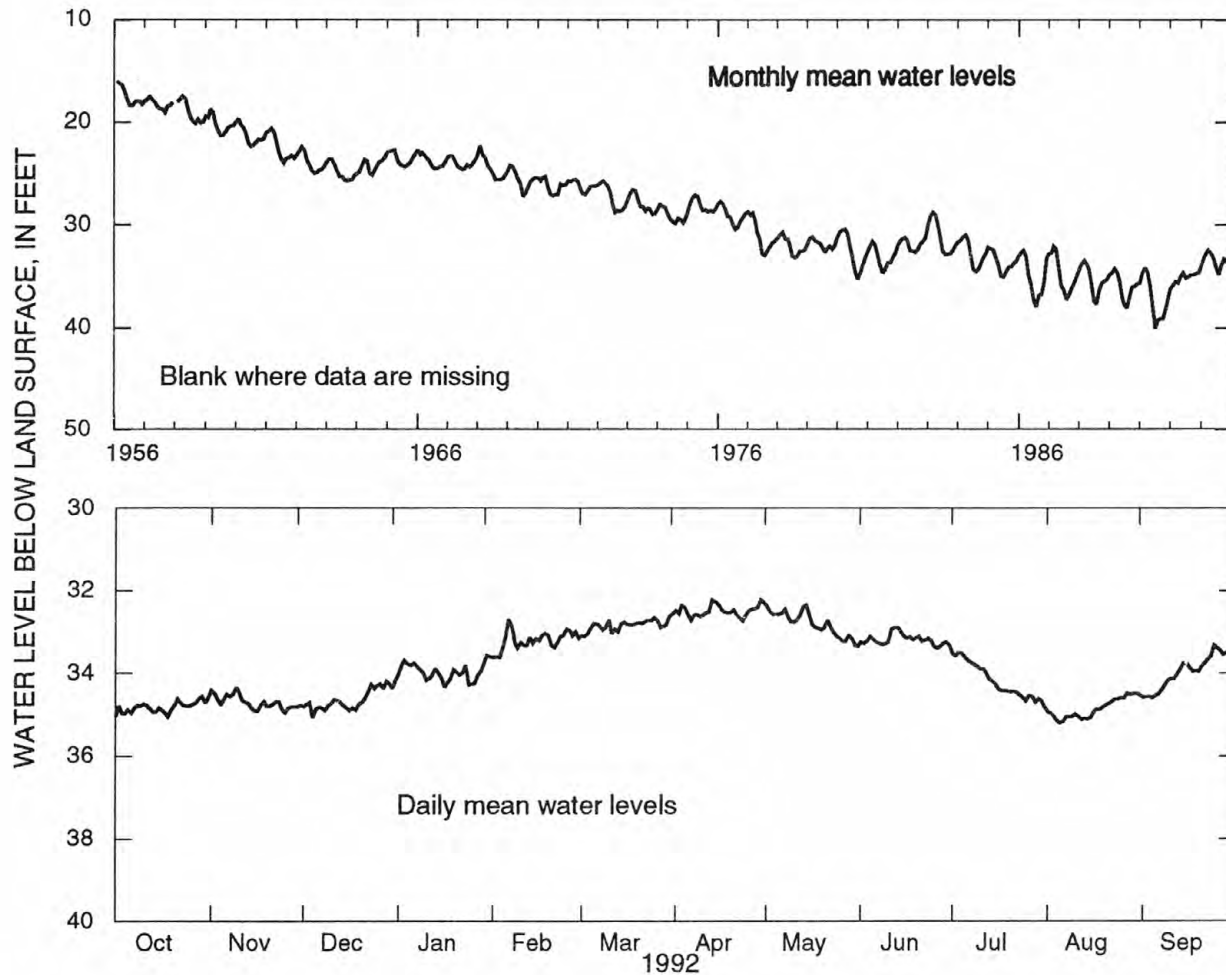
DATUM.--Elevation of land-surface is 8.0 ft above National Geodetic Vertical Datum of 1929.

Measuring point: Floor of recorder shelter, 3.62 ft above land-surface datum.

REMARKS.--Borehole geophysical survey conducted June 16, 1961.

PERIOD OF RECORD.--February 1956 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 16.0 ft below land-surface datum, Mar. 5, 1956; lowest, 40.69 ft below land-surface datum, July 16, 1990.



WATER YR 1992	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	34.81	34.7	34.63	33.97	33.2	32.83	32.49	32.81	33.19	34.18	34.85	33.95
LOW	35.03	34.94	35.07	34.33	33.62	33.1	32.73	33.34	33.39	34.8	35.19	34.59
HIGH	34.56	34.33	34.17	33.58	32.7	32.56	32.22	32.35	32.89	33.5	34.47	33.33
WATER YR 1992	MEAN 33.81			HIGHEST 32.22, Apr. 13, 29			LOWEST 35.19, Aug. 5					

GROUND-WATER LEVELS

CHATHAM COUNTY

320530081085001 Local number, 36Q008.

LOCATION.--Lat 32°05'30", long 81°08'50", Hydrologic Unit 03060204, 0.19 mi southeast of intersection of Alfred Street and U.S. Highway 80.

Owner: Layne-Atlantic Co.

AQUIFER.--Upper Floridan aquifer.

WELL CHARACTERISTICS.--Drilled unused industrial well, diameter 4 in., depth 406 ft, cased to 250 ft, open hole.

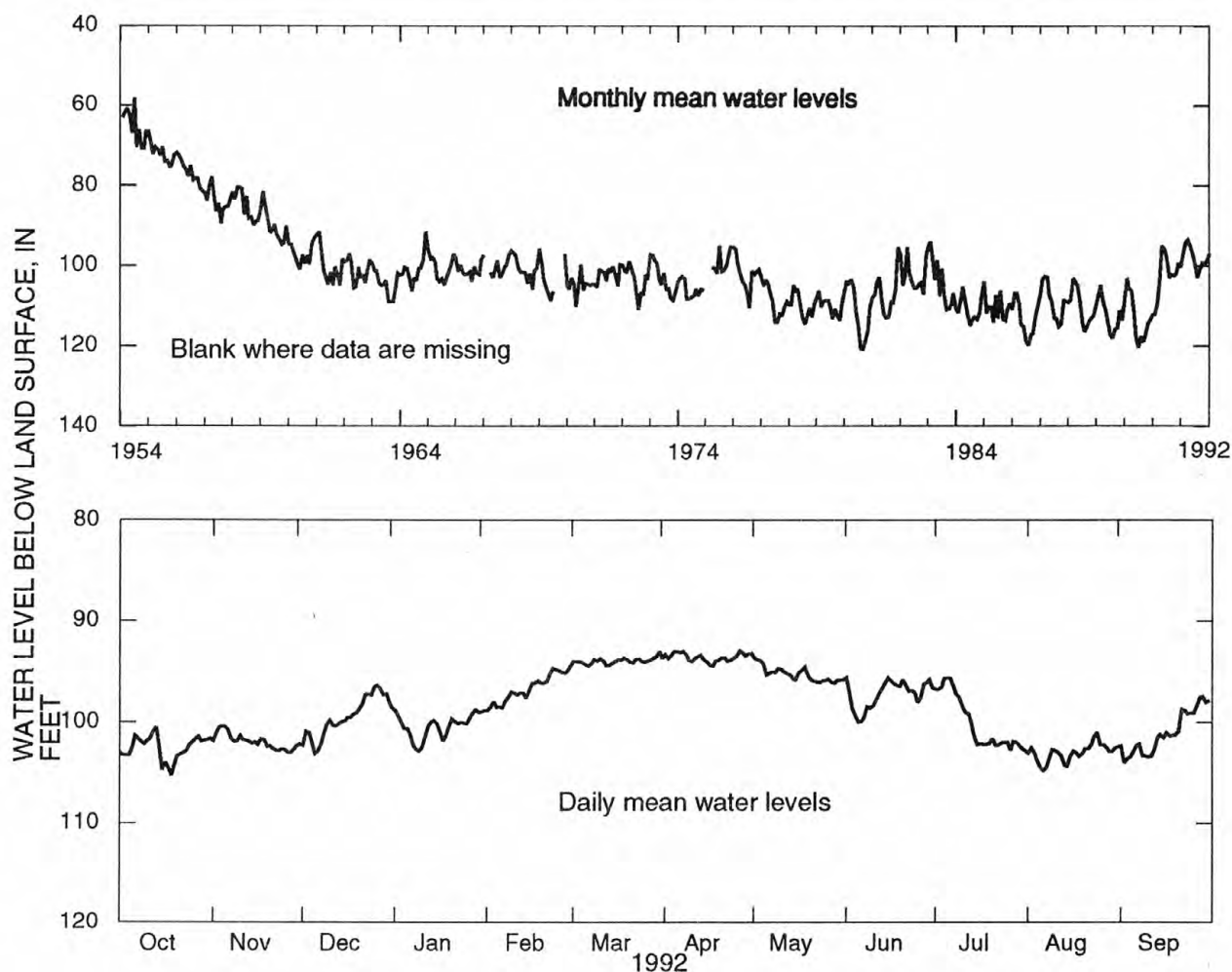
INSTRUMENTATION.--Water-level recorder.

DATUM.--Elevation of land-surface is 9.91 ft above National Geodetic Vertical Datum of 1929.

Measuring point: Top of 3 in. casing, 1.0 ft above land-surface datum.

PERIOD OF RECORD.--February 1954 to current year.

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.



WATER YR 1992	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	102.52	101.92	99.44	100.38	96.61	93.92	93.54	95.25	97.21	100.08	102.97	101.01
LOW	105.25	102.96	103.06	102.81	98.6	94.42	94.42	96.07	99.93	102.78	104.73	103.99
HIGH	100.49	100.4	96.37	98.74	94.4	92.96	92.93	93.82	95.61	95.58	101.03	97.48
WATER TR 1882	MEAN 98.75			HIGHEST 92.93, Apr. 26			LOWEST 105.25, Oct. 18					

GROUND-WATER LEVELS

COOK COUNTY

310813083260301 Local number, 18H016.

LOCATION.--Lat 31°08'13", long 83°26'03", Hydrologic Unit 03110203, on West Second Street near intersection of Georgia Highways 76 and 37

Owner: U.S. Geological Survey, Adel test well.

AQUIFER.--Upper Floridan aquifer.

WELL CHARACTERISTICS.--Drilled observation well, diameter 8 in., depth 865 ft, cased to 207 ft, open hole.

INSTRUMENTATION.--Water-level recorder.

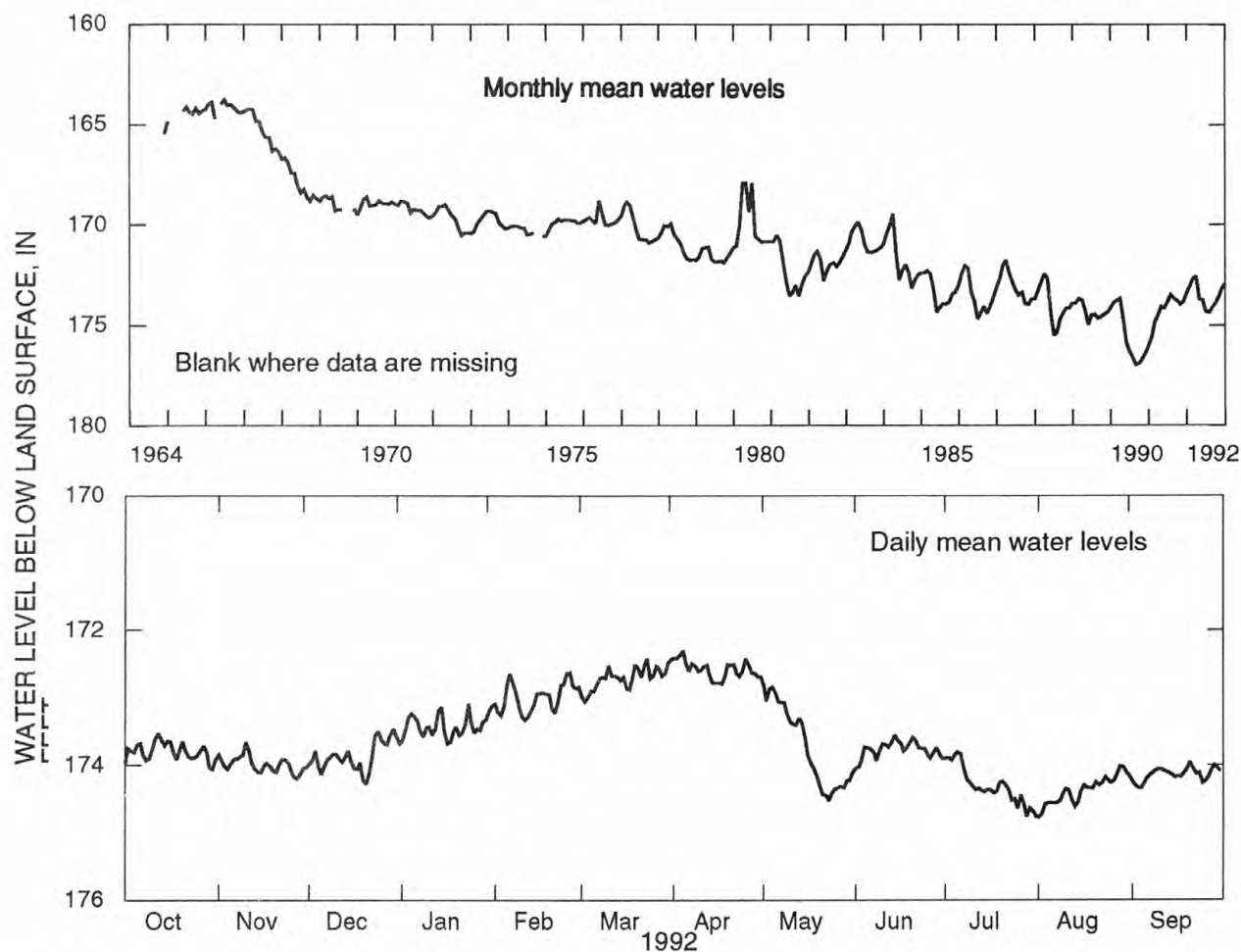
DATUM.--Elevation of land-surface is 241 ft above National Geodetic Vertical Datum of 1929.

Measuring point: Floor of recorder shelter, 2.66 ft above land-surface datum.

REMARKS.--Well pumped July 19, 1978; water-quality sample collected at conclusion of pumping. Borehole geophysical survey conducted Oct. 24, 1974.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 163.34 ft below land-surface datum, July 5, 1966; lowest, 177.39 ft below land-surface datum, Oct. 8, 1990.



WATER YR 1992	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	173.79	173.99	173.86	173.41	173.0	172.70	172.58	173.73	173.77	174.31	174.37	174.13
LOW	174.05	174.19	174.28	173.68	173.33	173.06	172.80	174.53	174.02	174.76	174.72	174.33
HIGH	173.53	173.66	173.46	173.10	172.63	172.43	172.31	172.85	173.56	173.81	174.01	173.95

WATER YR 1992 MEAN 173.64 HIGHEST 172.31, Apr. 4 LOWEST 174.77, Aug. 1

GROUND-WATER LEVELS

DECATUR COUNTY

305736084355801 Local number, 09F520.

LOCATION.--Lat 30°57'42", long 84°35'46", Hydrologic Unit 03130008, U.S. 27 north of Bainbridge, right on dirt road near John Deere tractor dealership.

Owner: Graham Bolton.

AQUIFER.--Upper Floridan aquifer.

WELL CHARACTERISTICS.--Unused private irrigation well, diameter 12 in., depth 251 ft, cased to 130 ft, open hole.

INSTRUMENTATION.--Water-level recorder.

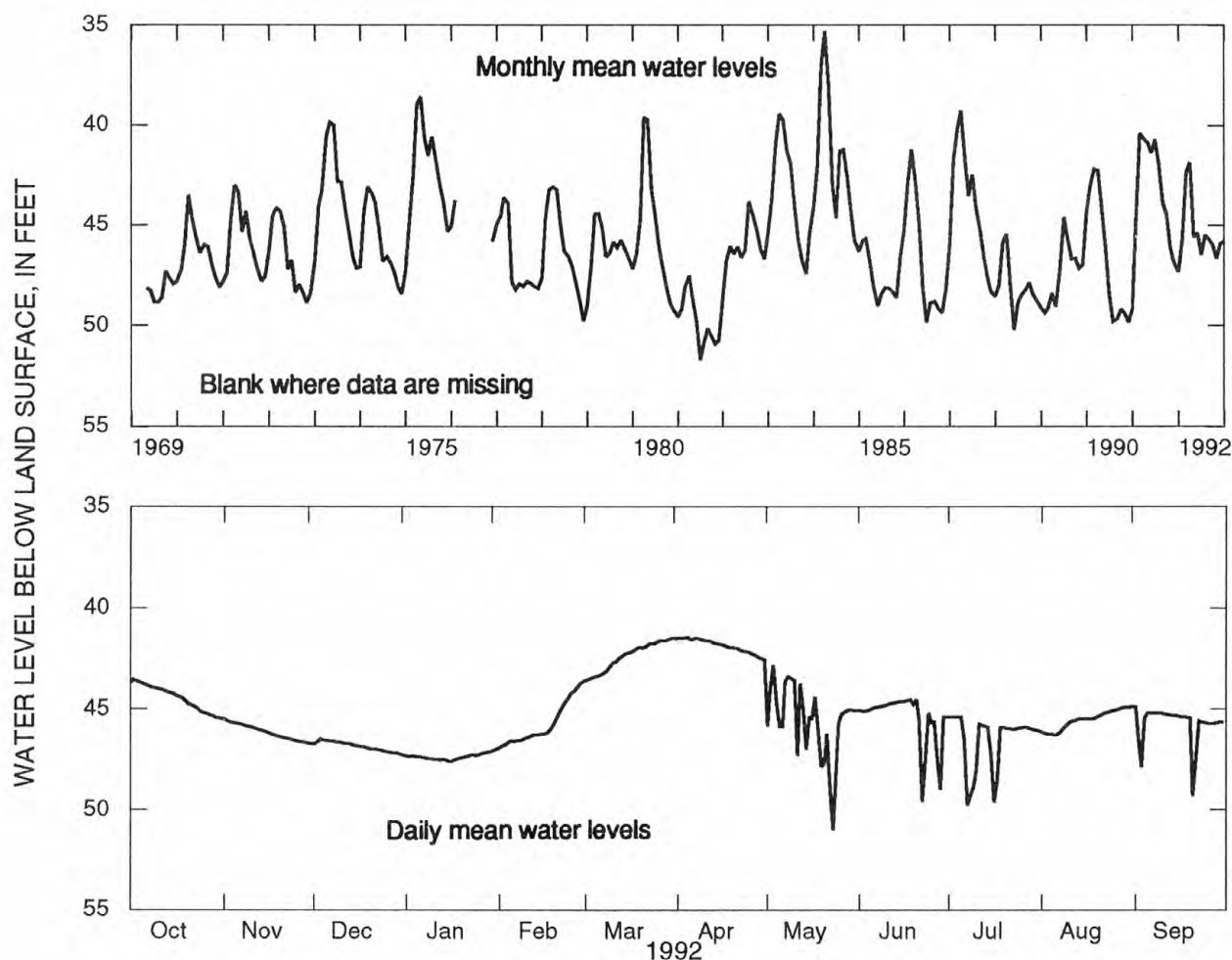
DATUM.--Elevation of land-surface datum is 128 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Floor of recorder shelter, 3.50 ft above land-surface datum.

REMARKS.--This well is about 15 ft from pumped well.

PERIOD OF RECORD.--June 1969 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 34.86 ft below land-surface datum, Apr. 15, 1984; lowest, 54.89 ft below land-surface datum, Sept. 22, 1990.



WATER YR 1992	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	44.45	46.16	46.86	47.35	45.73	42.36	41.86	45.59	45.41	46.50	45.51	45.71
LOW	45.45	46.71	47.28	47.56	46.83	43.52	42.56	51.00	49.59	49.78	46.27	49.32
HIGH	43.55	45.58	46.47	46.97	43.66	41.49	41.45	42.81	44.52	45.35	44.88	45.19

WATER YR 1992 MEAN 45.29 HIGHEST 41.45, Apr. 4 LOWEST 51.00, May 23

GROUND-WATER LEVELS

DOUGHERTY COUNTY

313532084203501 Local number, 11L002.

LOCATION.--Lat 31°35'32", long 84°20'32" (revised), Hydrologic Unit 03130008, Tallassee Plantation, 10.4 mi west of Albany.

Owner: Georgia Department of Natural Resources.

AQUIFER.--Clayton Limestone.

WELL CHARACTERISTICS.--Drilled observation well, diameter 3 in., depth 656 ft, cased to 542 ft, open hole.

INSTRUMENTATION.--Water-level recorder.

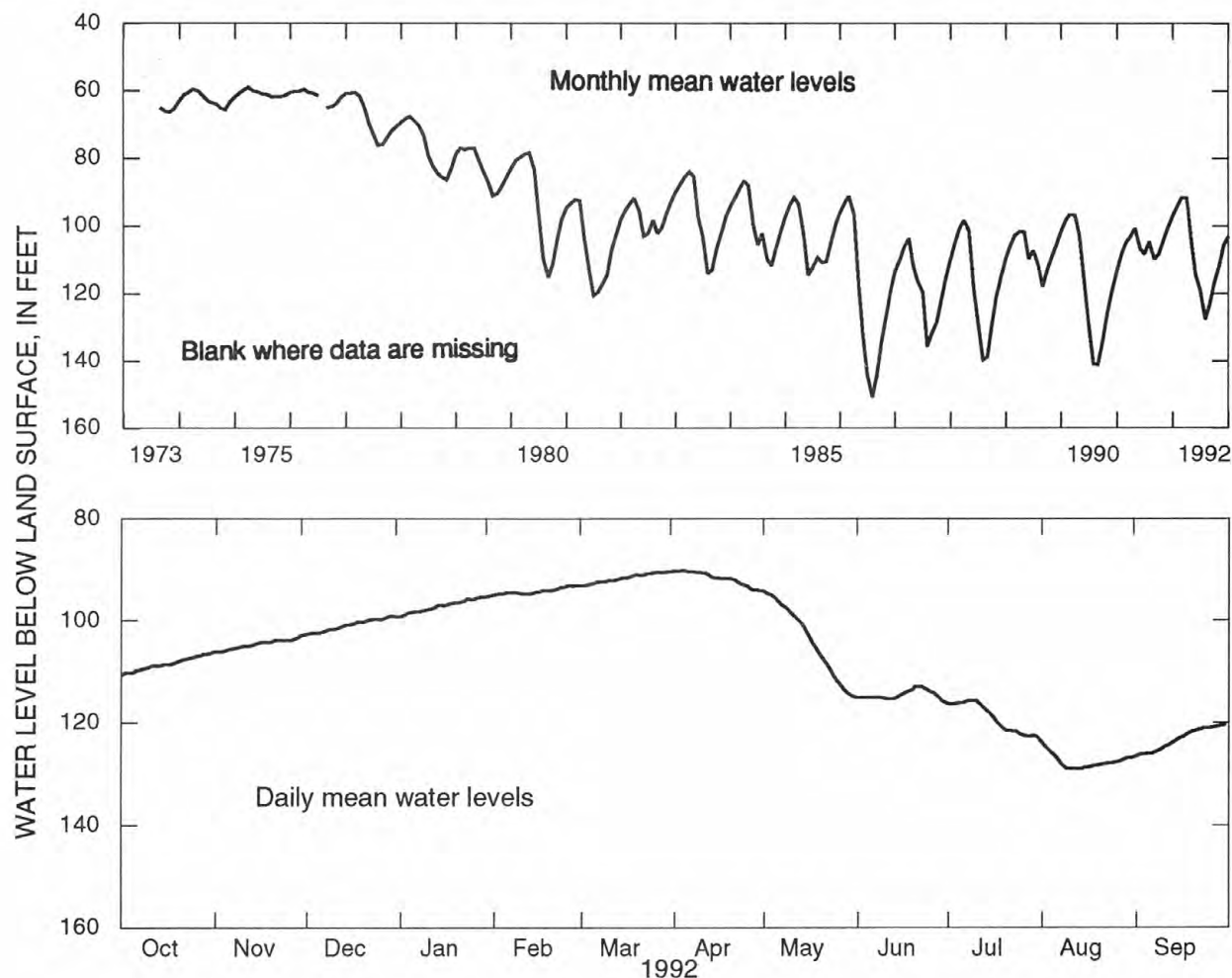
DATUM.--Elevation of land-surface datum is 222 ft above National Geodetic Datum of 1929 (from topographic map).

Measuring point: Floor of recorder shelter, 3.02 ft above land-surface datum.

REMARKS.--Borehole geophysical survey conducted June 3, 1975. Well pumped and redeveloped, Aug. 14, 1988. Water levels for periods of missing record, June 13-21, and August 15-25, were estimated.

PERIOD OF RECORD.--September 1973 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 58.90 ft below land-surface datum, Apr. 29, 1975; lowest, 152.61 ft below land-surface datum, Aug. 23, 1986.



WATER YR 1992	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	108.42	104.55	100.8	96.96	94.19	91.61	91.76	104.09	114.57	119.15	127.62	123.19
LOW	110.35	106.12	102.57	98.93	94.89	93.12	94.18	115.04	116.06	123.19	128.98	126.23
HIGH	106.24	102.81	99.15	95.08	93.08	90.36	90.19	94.73	112.87	115.66	124.77	120.41

WATER YR 1992 MEAN 106.45 HIGHEST 90.19, Apr. 4 LOWEST 128.98, Aug. 10

GROUND-WATER LEVELS

DOUGHERTY COUNTY

313554084062501 Local number, 13L002.

LOCATION.--Lat 31°35'51", long 84°06'24" (revised), Hydrologic Unit 03130008, Malone and Gardner Avenue near main entrance to Turner Field, Albany.

Owner: City of Albany, Turner City.

AQUIFER.--Clayton Limestone.

WELL CHARACTERISTICS.--Drilled unused supply well, diameter 12 in. and 8 in., depth 760 ft, cased to 713 ft, open hole.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Elevation of land-surface is 212.84 ft above National Geodetic Vertical Datum of 1929.

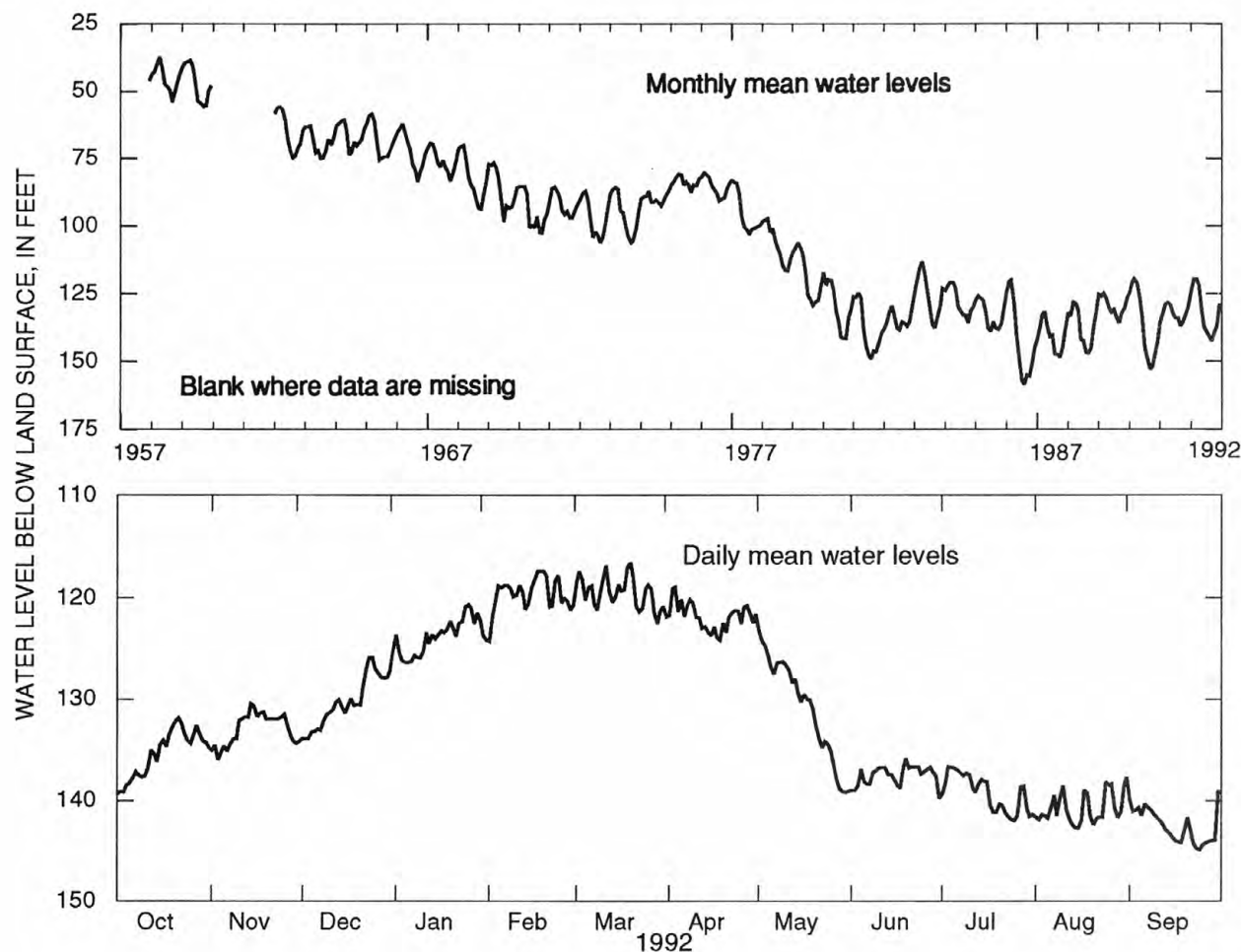
Measuring point: Floor of recorder shelter, 3.2 ft above land-surface datum.

REMARKS.--Well pumped and sounded to a depth of 760 ft, June 21, 1978: water-quality sample collected at conclusion of pumping.

Borehole geophysical survey conducted Mar. 17, 1977. Water levels for period of missing record, June 11-12, were estimated.

PERIOD OF RECORD.--December 1957 to December 1959, January 1962 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 38.19 ft below land-surface datum, Apr. 1, 1959; lowest, 160.88 ft below land-surface datum, July 26, 1986.



WATER YR 1992	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	135.35	132.92	130.08	123.75	119.57	119.51	121.79	130.89	137.49	139.27	140.71	142.57
LOW	139.14	135.99	133.84	126.31	121.80	122.53	124.14	139.15	139.74	142.02	142.74	144.96
HIGH	131.90	130.44	125.15	120.69	117.35	116.55	118.94	124.26	135.86	136.67	137.73	138.96

WATER YR 1992 MEAN 131.19 HIGHEST 116.55, Mar. 19 LOWEST 144.96, Sept. 24

GROUND-WATER LEVELS

DOUGHERTY COUNTY

313748084002901 Local number, 13L003.

LOCATION.--Lat 31°33'13", long 84°00'21", Hydrologic Unit 03130008, near northeast corner of Marine Corps Supply Center, Acree, Ga.

Owner: City of Albany and Dougherty County.

AQUIFER.--Upper Floridan aquifer.

WELL CHARACTERISTICS.--Drilled unused supply well, diameter 6 in., depth 259 ft, cased to 206 ft, open hole.

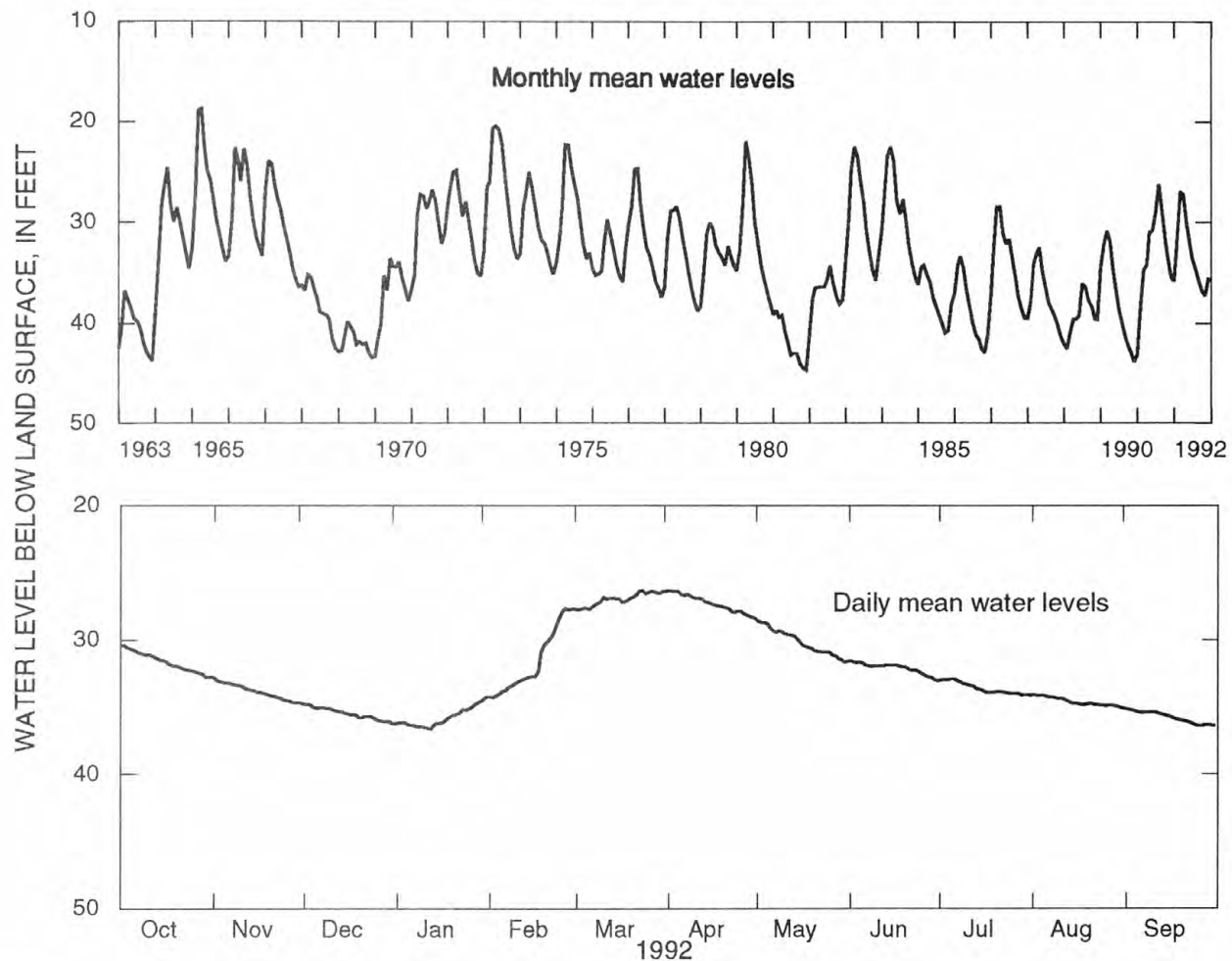
INSTRUMENTATION.--Water-level recorder. DATUM.--Elevation of land-surface is 225 ft above National Geodetic Vertical Datum of 1929.

Measuring point: Floor of recorder shelter, 4.10 ft above land-surface datum.

REMARKS.--Well pumped and sounded June 21, 1978; water-quality sample collected at conclusion of pumping. Borehole geophysical survey conducted Mar. 17, 1977.

PERIOD OF RECORD.--January 1963 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 17.41 ft below land-surface datum, Apr. 2, 1965; lowest, 44.89 ft below land-surface datum, Dec. 13, 1981.



WATER YR 1992	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	31.64	33.87	35.52	35.77	31.52	26.95	27.30	30.18	32.11	33.6	34.61	35.78
LOW	32.78	34.73	36.25	36.61	34.28	27.73	28.41	31.64	33.05	34.12	35.07	36.37
HIGH	30.40	33.03	34.83	34.26	27.68	26.30	26.35	28.71	31.64	32.92	34.09	35.18

WATER YR 1992 MEAN 32.41 HIGHEST 26.30, Mar. 23, Apr. 1 LOWEST 36.61, Jan. 12

GROUND-WATER LEVELS

FULTON COUNTY

334207084254801 Local number, 10DD02.

LOCATION.--Lat 33°42'07", long 84°25'48", Hydrologic Unit 03130002, 0.25 mi south of main entrance, 260 ft west of Roosevelt Highway.

Owner: U.S. Army, Ft. McPherson.

AQUIFER.--Biotite gneiss.

WELL CHARACTERISTICS.--Drilled unused supply well, diameter 12 in., depth 338 ft, cased to 41 ft, open hole.

INSTRUMENTATION.--Water-level recorder.

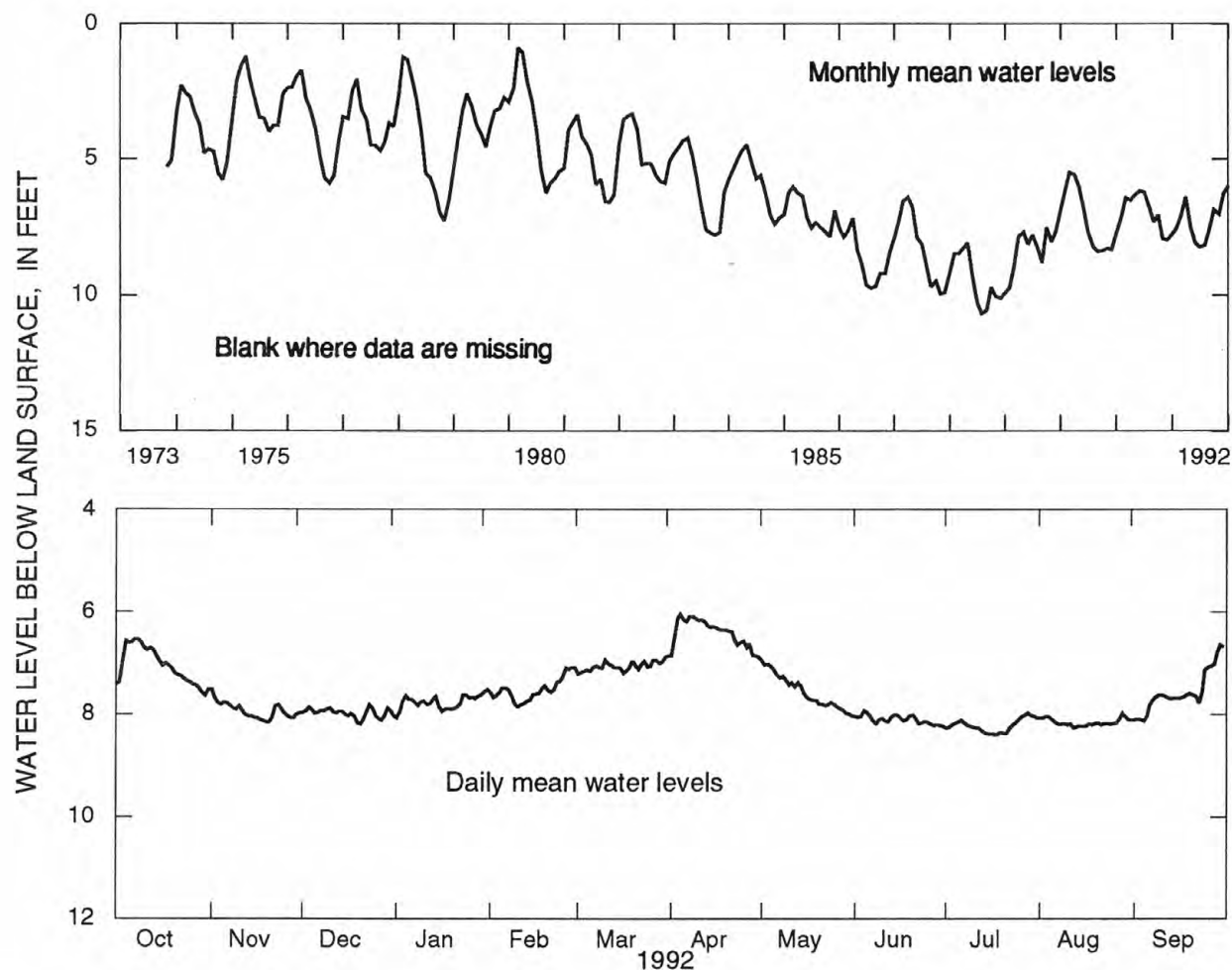
DATUM.--Elevation of land-surface datum is 1,013 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: At land-surface datum.

REMARKS.--Well pumped and sounded February 14, 1976, to a depth of 338 ft. Borehole geophysical survey conducted November 19, 1974. Water levels for period of missing record, July 26-27, were estimated.

PERIOD OF RECORD.--November 1973 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 0.10 ft below land-surface datum, March 30, 1980; lowest, 10.95 ft below land-surface datum, Sept. 2, 1988.



WATER YR 1992	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	7.06	7.93	7.98	7.76	7.52	7.05	6.39	7.55	8.10	8.22	8.15	7.56
LOW	7.63	8.15	8.19	7.95	7.85	7.19	6.88	8.03	8.23	8.39	8.26	8.12
HIGH	6.53	7.65	7.82	7.52	7.08	6.85	6.05	7.02	7.93	7.98	7.98	6.64

WATER YR 1992 MEAN 7.61 HIGHEST 6.05, Apr. 4 LOWEST 8.39, July 17-18

GROUND-WATER LEVELS

GLYNN COUNTY

311007081301702 Local number, 33H133.

LOCATION.--Lat 31°10'06", long 81°30'16" (revised), Hydrologic Unit 03070203, near the intersection of Newcastle and Oak Streets to the south of the cemetery in Brunswick.

Owner: U.S. Geological Survey, test well 6.

AQUIFER.--Upper Floridan aquifer.

WELL CHARACTERISTICS.--Drilled observation well, diameter 4 in., depth 790 ft, cased to 520 ft, open hole.

INSTRUMENTATION.--Water-level recorder.

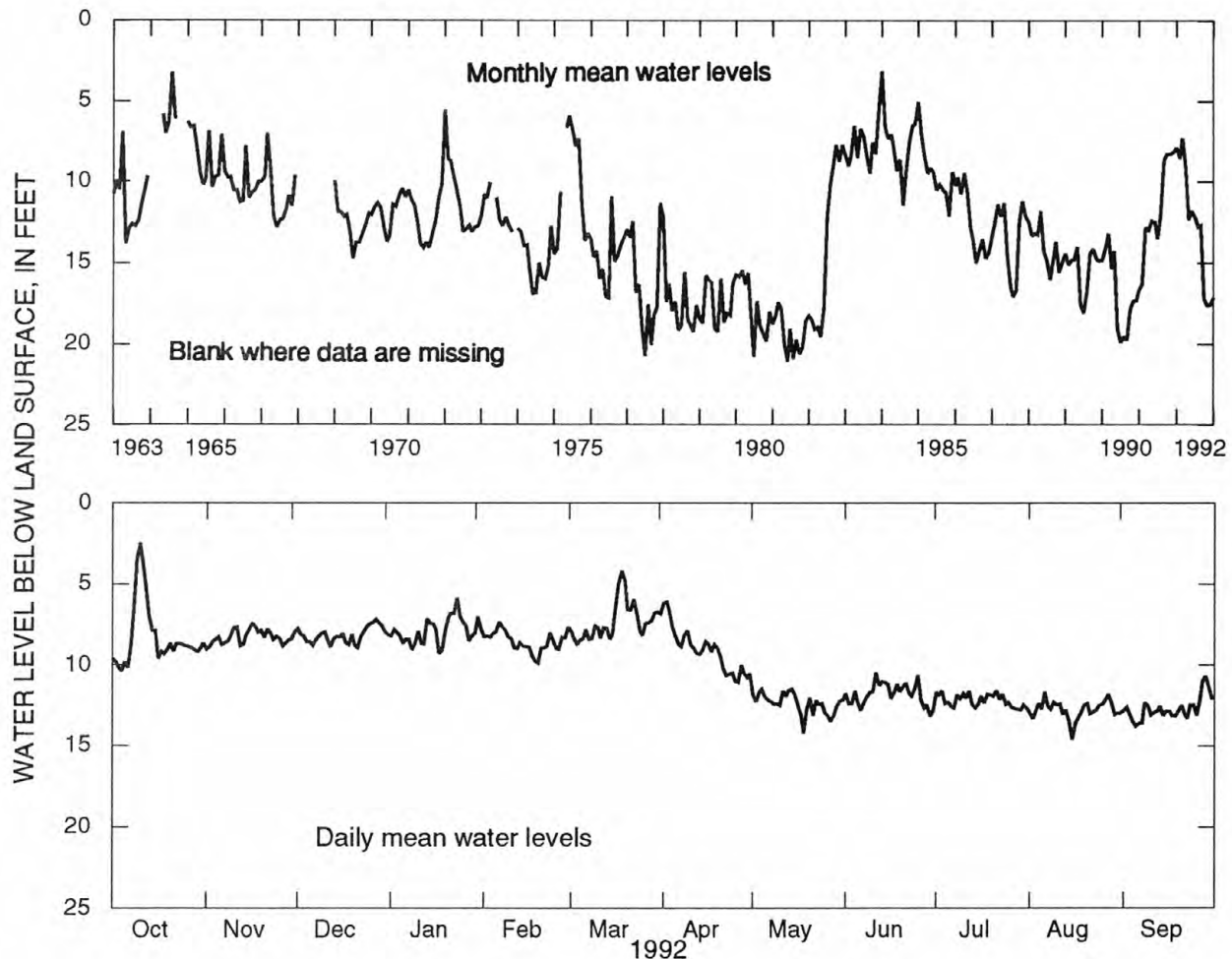
DATUM.--Elevation of land-surface is 7 ft above National Geodetic Vertical Datum of 1929.

Measuring point: Floor of recorder shelter, 5.1 ft above land-surface datum.

REMARKS.--Well pumped semi-annually; water-quality samples collected at conclusion of pumping. Borehole geophysical survey conducted Sept. 26, 1977. Water levels for periods of missing record, October 1-11, and July 27-28, were estimated.

PERIOD OF RECORD.--January 1963 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 9.07 ft above land-surface datum, Dec. 26, 1965; lowest, 21.87 ft below land-surface datum, July 22, 1977.



WATER YR 1992	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	8.26	8.27	8.15	7.89	8.54	7.30	9.11	12.38	11.81	12.19	12.79	12.72
LOW	10.37	8.85	8.95	9.29	9.85	8.68	11.08	14.20	13.18	12.78	14.59	13.8
HIGH	2.49	7.46	7.20	5.85	7.34	4.19	6.11	11.49	10.49	11.58	11.70	10.68

WATER YR 1992 MEAN 9.95 HIGHEST 4.19, Mar. 18 LOWEST 14.59, Aug. 15

GROUND-WATER LEVELS

LAURENS COUNTY

322652083033001 Local number, 21T001.

LOCATION.--Lat 32°27'06", long 83°03'28", Hydrologic Unit 03070102, approximately 1.8 mi northeast of Dexter, Ga.

Owner: Danny Hogan.

AQUIFER.--Upper Floridan aquifer.

WELL CHARACTERISTICS.--Drilled unused domestic well, diameter 4 in., depth 123 ft, cased to 89 ft, open hole.

INSTRUMENTATION.--Water-level recorder.

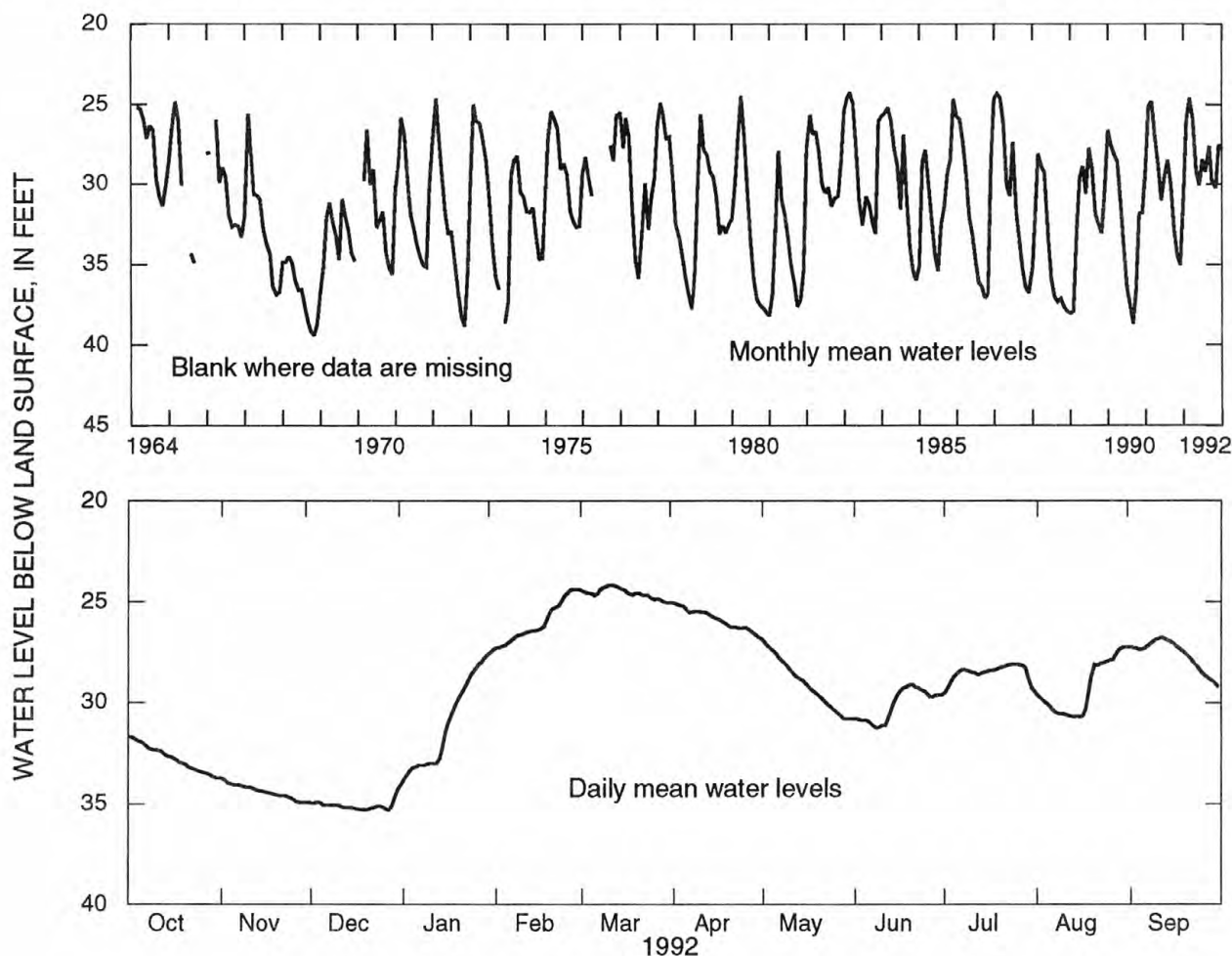
DATUM.--Elevation of land-surface is 252 ft above National Geodetic Vertical Datum of 1929 (from barometric levels).

Measuring point: Floor of recorder shelter, 2.57 ft above land-surface datum.

REMARKS.--Borehole geophysical survey conducted Nov. 1973. Water levels for period of missing record, August 21-25, were estimated.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 23.62 ft below land-surface datum, Jan. 26, 1987; lowest, 39.58 ft below land-surface datum, Nov. 12, 1968.



WATER YR 1992	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	32.75	34.40	35.04	30.85	25.97	24.59	25.87	29.11	30.09	28.51	29.25	27.63
LOW	33.70	34.93	35.29	33.58	27.25	25.04	26.80	30.79	31.25	29.44	30.68	29.21
HIGH	31.69	33.83	34.01	27.35	24.37	24.17	25.11	27.10	29.09	28.08	27.22	26.78

WATER YR 1992 MEAN 29.52 HIGHEST 24.17, Mar. 10, 11 LOWEST 35.29, Dec. 19

GROUND-WATER LEVELS

LIBERTY COUNTY

314343081251901 Local number, 34M054.

LOCATION.--Lat 31°43'43", long 81°25'19", Hydrologic Unit 03060204, Riceboro, Ga., near entrance to Interstate Paper Co.

Owner: U.S. Geological Survey, test well 2.

AQUIFER.--Upper Floridan aquifer.

WELL CHARACTERISTICS.--Drilled observation well, diameter 4 in., depth 802 ft, cased to 467 ft, open hole.

INSTRUMENTATION.--Water-level recorder.

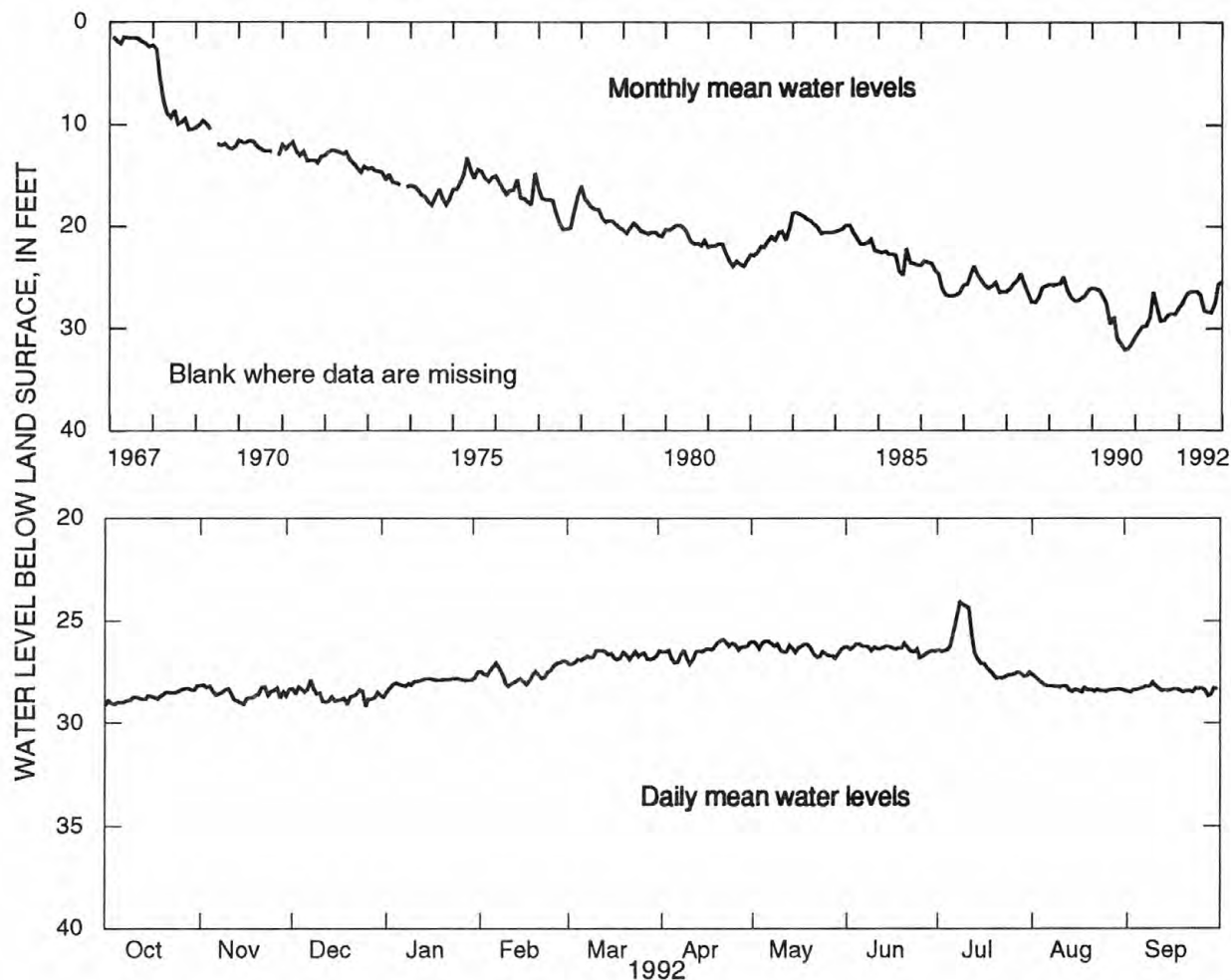
DATUM.--Elevation of land-surface is 19 ft above National Geodetic Vertical Datum of 1929.

Measuring point: Floor of recorder shelter, 3.4 ft above land-surface datum.

REMARKS.--Well pumped July 11, 1979; water-quality sample collected at conclusion of pumping. Borehole geophysical survey conducted June 15, 1976. Water levels for period of missing record, October 1-27, were estimated.

PERIOD OF RECORD.--February 1967 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 0.85 ft below land-surface datum, Feb. 5, 1967; lowest, 32.34 ft below land-surface datum, Nov. 14, 1990.



WATER YR 1992	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	28.68	28.52	28.63	27.93	27.57	26.72	26.43	26.37	26.36	26.66	28.25	28.34
LOW	29.04	29.05	29.17	28.28	28.20	27.11	27.09	26.82	26.80	27.78	28.46	28.65
HIGH	28.14	28.11	27.87	27.47	26.94	26.43	25.9	25.97	26.09	24.05	27.74	28.01

WATER YR 1992

MEAN 27.54

HIGHEST 24.05, July 8

LOWEST 29.17, Dec. 25

GROUND-WATER LEVELS

LIBERTY COUNTY

315214081235301 Local number, 34N089.

LOCATION.--Lat 31°52'14", long 81°23'53", Hydrologic Unit 03060204, north of Midway, Ga., near intersection of Georgia Highway 196 and U.S. Highway 17.

Owner: U.S. Geological Survey, test well 1.

AQUIFER.--Upper Floridan aquifer.

WELL CHARACTERISTICS.--Drilled observation well, diameter 4 in., depth 789 ft, cased to 410 ft, open hole.

INSTRUMENTATION.--Water-level recorder.

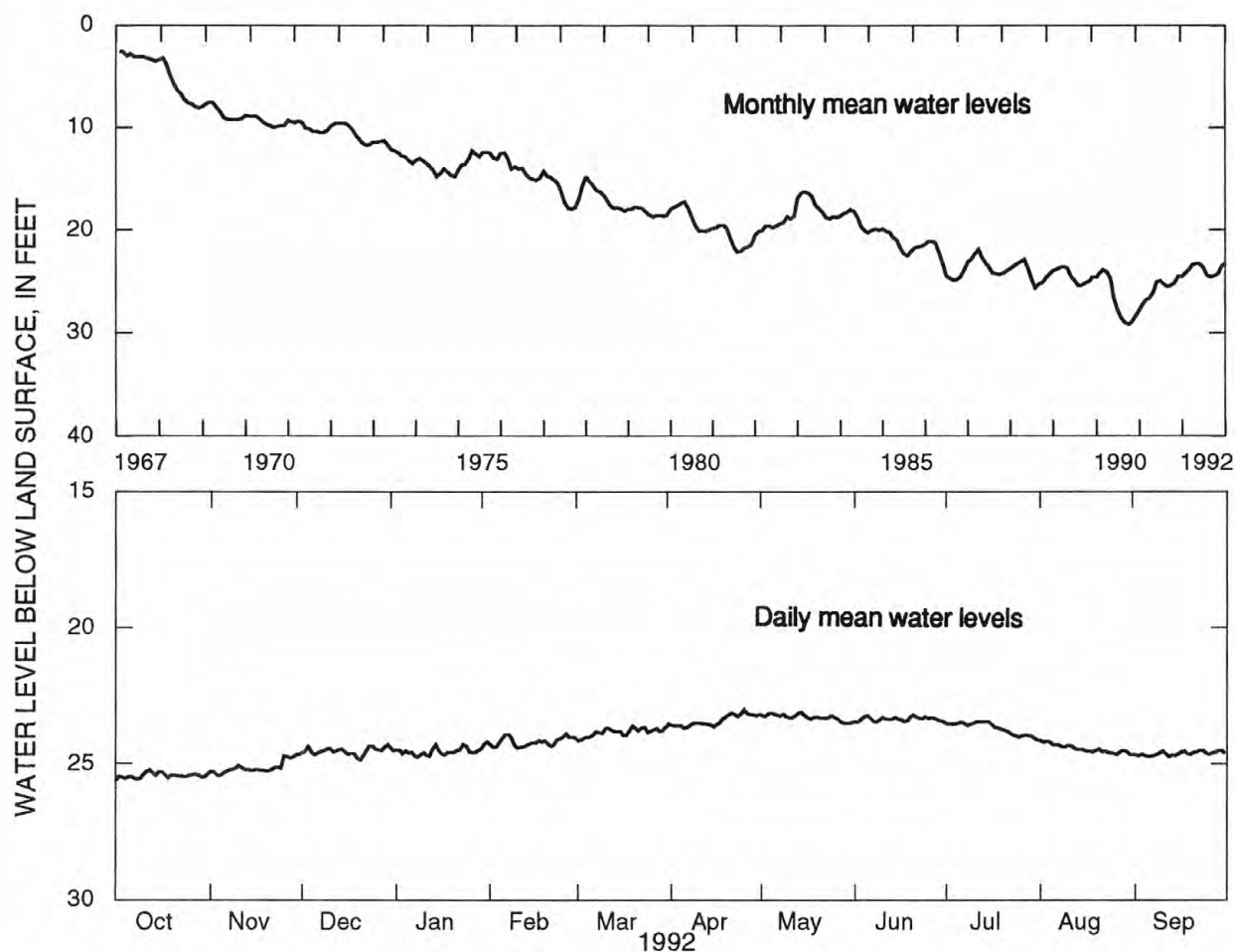
DATUM.--Elevation of land-surface is 17 ft National Geodetic Vertical Datum of 1929.

Measuring point: Top of 4 in. casing, 1.33 ft above land-surface datum.

REMARKS.--Well pumped July 11, 1979; water-quality sample collected at conclusion of pumping. Borehole geophysical survey conducted June 15, 1976. Well levels for periods of missing record, April 2-3, 8-12, 15-19, and September 11-20, were estimated.

PERIOD OF RECORD.--February 1967 to current year.

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, Oct. 3, 1990.



WATER YR 1992	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	25.42	25.12	24.53	24.53	24.18	23.82	23.41	23.29	23.36	23.69	24.44	24.61
LOW	25.55	25.40	24.86	24.76	24.40	24.13	23.68	23.50	23.46	24.12	24.64	24.73
HIGH	25.22	24.63	24.29	24.20	23.90	23.55	23.04	23.12	23.22	23.44	24.18	24.5

WATER YR 1992

MEAN 24.20

HIGHEST 23.04, Apr. 25

LOWEST 25.60, Oct. 1

GROUND-WATER LEVELS

LONG COUNTY

313845081361701 Local number, 33M004.

LOCATION.--Lat 31°38'54", long 81°36'04", Hydrologic Unit 03070106, 9 mi southeast of Ludowici, at Hope Cemetery.

Owner: U.S. Geological Survey, test well 3.

AQUIFER.--Upper Floridan aquifer.

WELL CHARACTERISTICS.--Drilled observation well, diameter 3 to 4 in., depth 872 ft, cased to 538 ft, open hole.

INSTRUMENTATION.--Water-level recorder.

DATUM.--Elevation of land-surface is 61.2 ft above National Geodetic Vertical Datum of 1929.

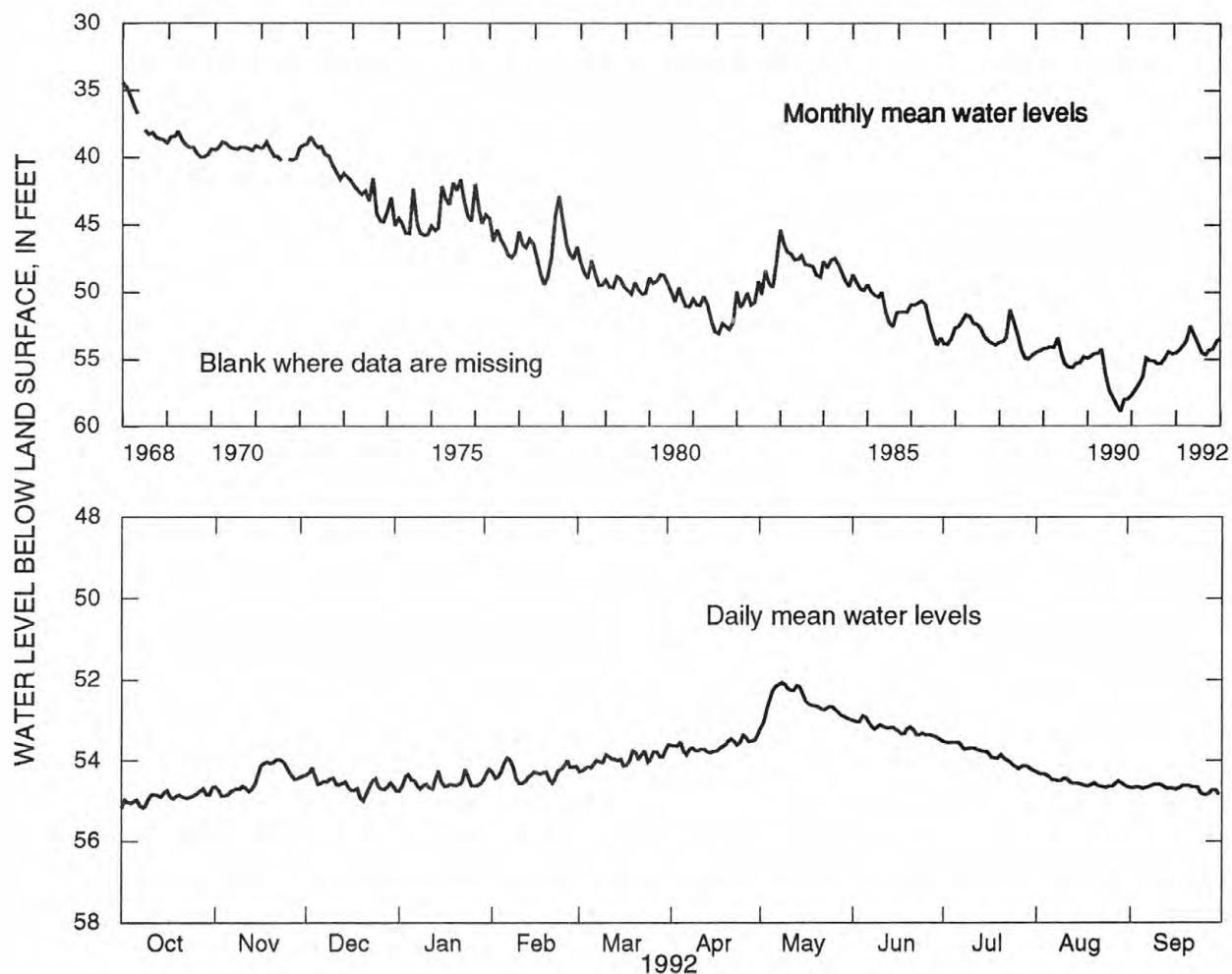
Measuring point: Top of recorder shelter, 3.5 ft above land-surface datum.

REMARKS.--Well pumped and sounded June 17, 1976, to depth of 861 ft; water-quality sample collected at conclusion of pumping.

Borehole geophysical survey conducted July 28, 1976. Water levels for period of missing record, July 20-26, were estimated.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 34.04 ft below land-surface datum, Jan. 14, 1968; lowest, 59.00 ft below land-surface datum, Oct. 8, 1990.



WATER YR 1992	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	54.91	54.44	54.59	54.53	54.29	53.96	53.62	52.55	53.21	53.85	54.53	54.68
LOW	55.16	54.86	54.99	54.70	54.56	54.25	53.85	53.03	53.48	54.25	54.66	54.84
HIGH	54.67	53.96	54.16	54.21	53.94	53.61	53.33	52.06	52.89	53.54	54.32	54.58

WATER YR 1992 MEAN 54.10 HIGHEST 52.06, May 8 LOWEST 55.16, Oct. 8

GROUND-WATER LEVELS

LOWNDES COUNTY

304949083165301 Local number, 19E009.

LOCATION.--Lat 30°49'51", long 83°16'58" (revised), Hydrologic Unit 03110202, N. Oak Street, one block north of intersection with U.S. Highway 84, Valdosta, Ga.

Owner: City of Valdosta.

AQUIFER.--Upper Floridan aquifer.

WELL CHARACTERISTICS.--Drilled unused municipal well, diameter 20 in., depth 342 ft, cased to 200 ft, open hole.

INSTRUMENTATION.--Water-level recorder.

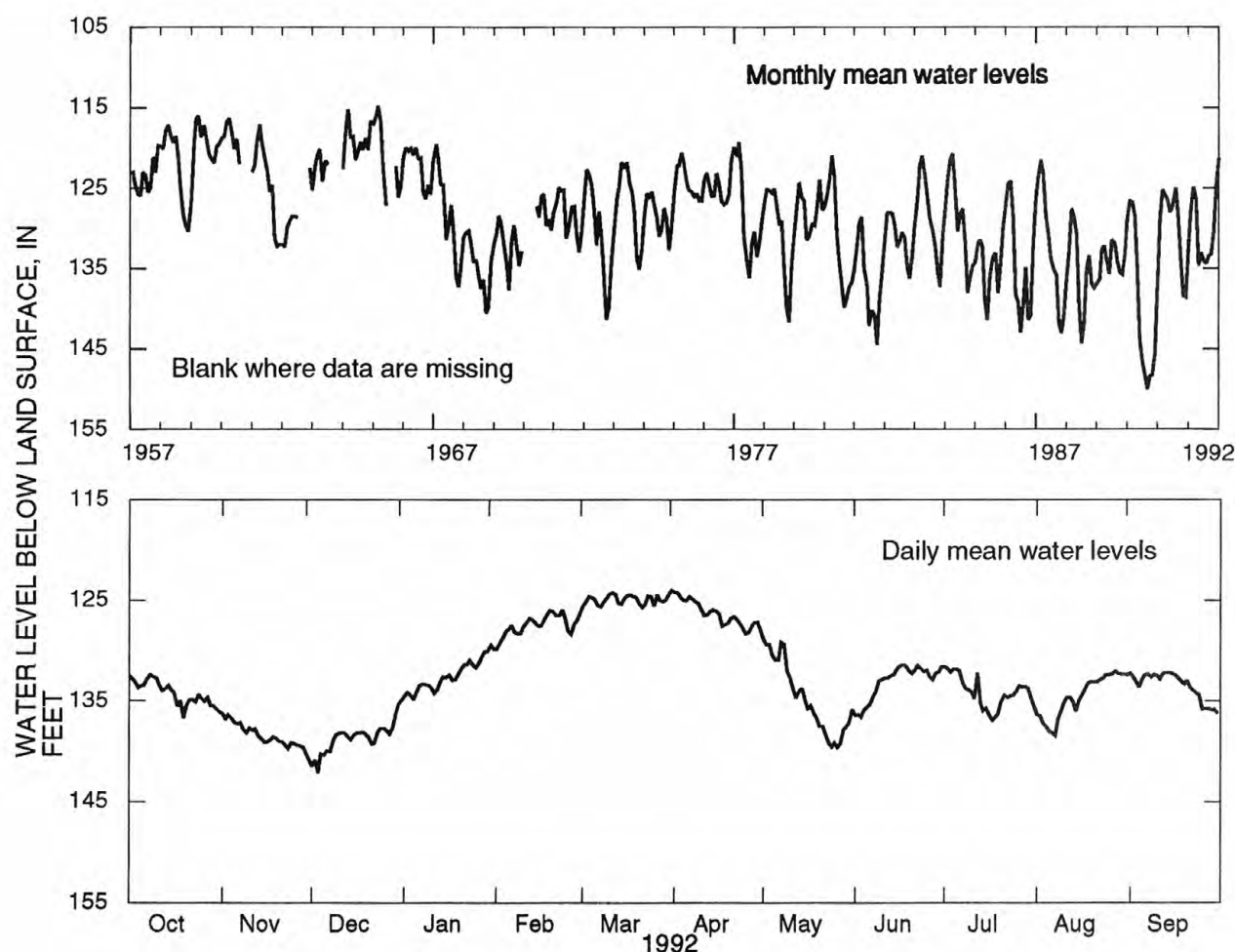
DATUM.--Elevation of land-surface is 217 ft above National Geodetic Vertical Datum of 1929 (from topographic map)

Measuring point: Top of casing, 1.7 ft above land-surface datum.

REMARKS.--Well pumped July 18, 1978, water-quality sample collected at conclusion of pumping. Borehole geophysical survey conducted April 11, 1963. Water level affected by city pumping.

PERIOD OF RECORD.--February 1957 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 112.69 ft below land-surface datum, March 9, 1964; lowest, 151.79 ft below land-surface datum, Sept. 19, 1990.



WATER YR 1992	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	134.24	138.47	138.60	132.48	127.45	124.93	126.37	134.75	133.06	134.12	134.50	133.47
LOW	136.71	140.84	142.13	134.83	129.31	125.72	128.35	139.57	136.61	136.93	138.38	136.22
HIGH	132.42	136.41	134.92	129.53	125.95	124.05	124.28	129.21	131.45	131.76	132.09	132.19

WATER YR 1992 MEAN 132.73 HIGHEST 124.05, Mar. 31 LOWEST 142.13, Dec. 3

GROUND-WATER LEVELS

MCINTOSH COUNTY

313823081154201 Local number, 35M013.

LOCATION--Lat 31°38'23", long 84°15'42", Hydrologic Unit 03060204, 8.5 mi east of U.S. Highway 17 at Harris Neck Wildlife Refuge.

Owner: U.S. Department of the Interior, Fish and Wildlife Service.

AQUIFER--Upper Floridan aquifer.

WELL CHARACTERISTICS--Drilled unused supply well, diameter 10 in., depth 553 ft, cased to 376 ft, open hole.

INSTRUMENTATION--Water-level recorder.

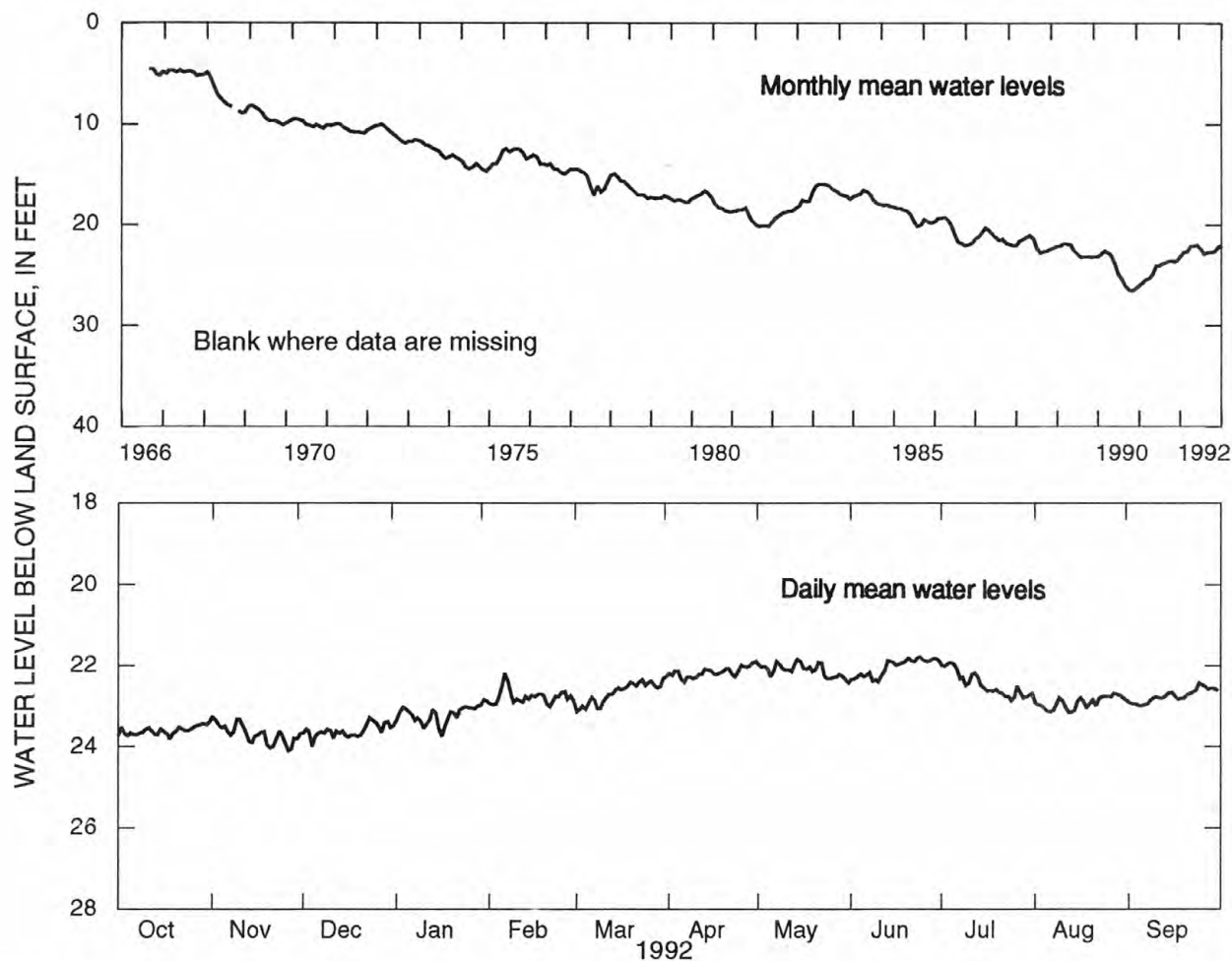
DATUM--Elevation of land-surface is 16.3 ft above National Geodetic Vertical Datum of 1929.

Measuring point: Floor of recorder shelter, 3.20 ft above land-surface datum.

REMARKS--Well pumped August 3, 1978; water-quality sample collected at conclusion of pumping. Borehole geophysical survey conducted June 16, 1976. Water levels for period of missing record, January 23-29, were estimated.

PERIOD OF RECORD--September 1966 to current year.

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, Nov. 14, 1990.



WATER YR 1992	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	23.61	23.69	23.61	23.21	22.77	22.66	22.15	22.11	22.03	22.46	22.91	22.74
LOW	23.80	24.09	23.99	23.74	23.01	23.07	22.41	22.42	22.39	22.86	23.16	22.98
HIGH	23.39	23.33	23.29	22.85	22.19	22.26	21.90	21.84	21.79	21.93	22.69	22.43

WATER YR 1992 MEAN 22.83 HIGHEST 21.79, June 24 LOWEST 24.09, Nov. 26

GROUND-WATER LEVELS

MILLER COUNTY

310651084404501 Local number, 08G001.

LOCATION--Lat 31°06'51", long 84°40'44" (revised), Hydrologic Unit 03130010, 1 mi northeast of Boykin, Ga.

Owner: Viercocken.

AQUIFER.--Upper Floridan aquifer.

WELL CHARACTERISTICS.--Drilled unused irrigation well, diameter 12 in., depth 255 ft, cased to 130 ft, open hole.

INSTRUMENTATION.--Water-level recorder.

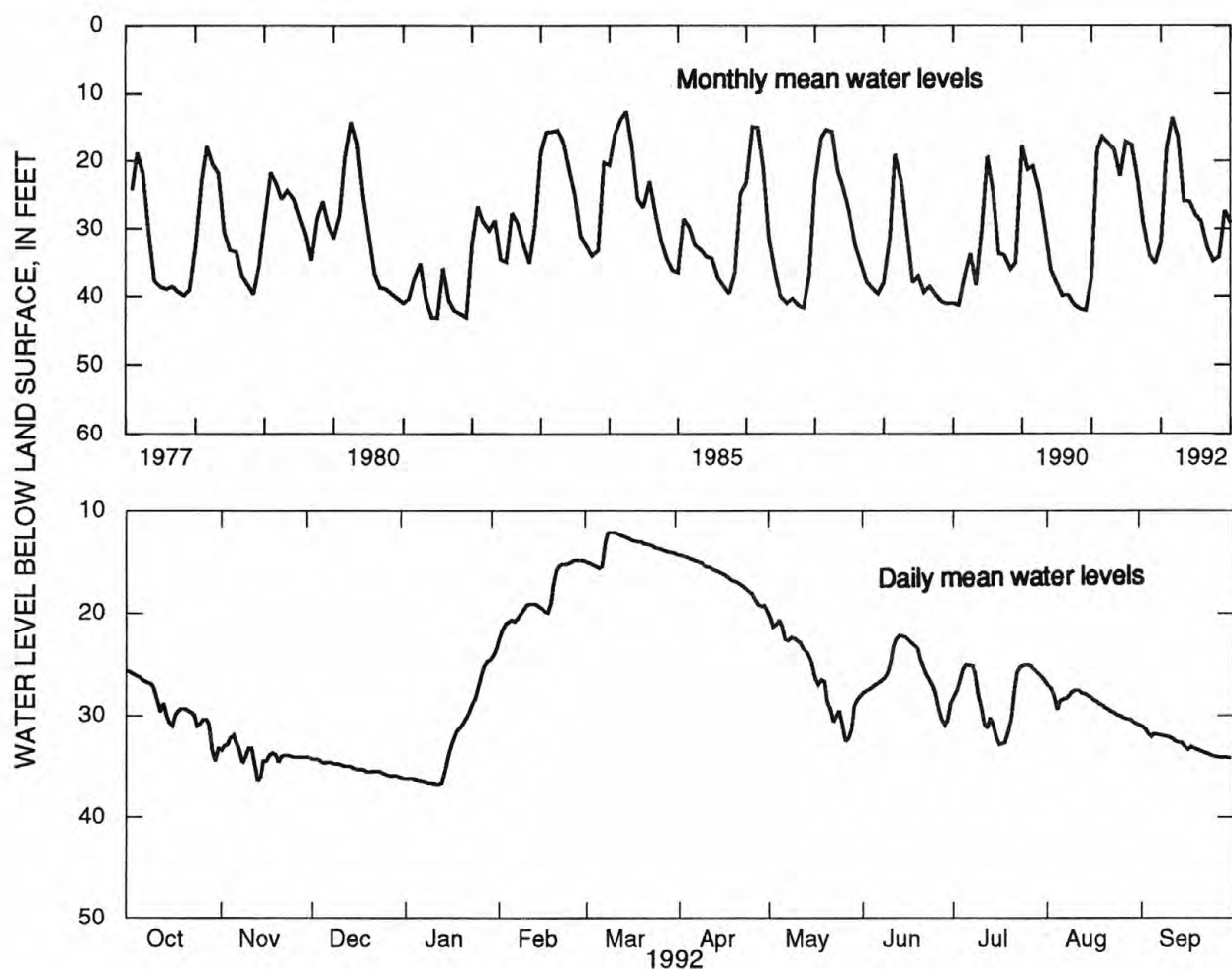
DATUM.--Elevation of land-surface is 150 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top front edge of recorder shelter, 3.0 ft above land-surface datum.

REMARKS.--None.

PERIOD OF RECORD.--February 1977 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 11.18 ft below land-surface datum, April 11, 1984; lowest, 43.88 ft below land-surface datum, July 17, 1981.



WATER YR 1992	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	29.19	33.95	35.24	32.09	18.27	13.57	16.51	25.97	26.01	27.93	28.93	32.95
LOW	34.49	36.45	36.18	36.76	21.65	15.57	19.82	32.60	30.96	32.88	30.94	34.22
HIGHr	25.72	31.98	34.33	23.38	14.82	12.09	14.46	20.71	22.17	25.06	27.33	31.34

WATER YR 1992 MEAN 26.76 HIGHEST 12.09, Mar. 9 LOWEST 36.76, Jan. 12

GROUND-WATER LEVELS

RANDOLPH COUNTY

314602084473701 Local number, 07N001.

LOCATION--Lat 31°46'09", long 84°47'43", Hydrologic Unit 03110204, south of intersection of College and Andrew Streets, near electric substation.

Owner: City of Cuthbert.

AQUIFER--Clayton Limestone.

WELL CHARACTERISTICS--Drilled unused municipal well, diameter 8 in., depth 372 ft, casing depth unknown.

INSTRUMENTATION--Water-level recorder.

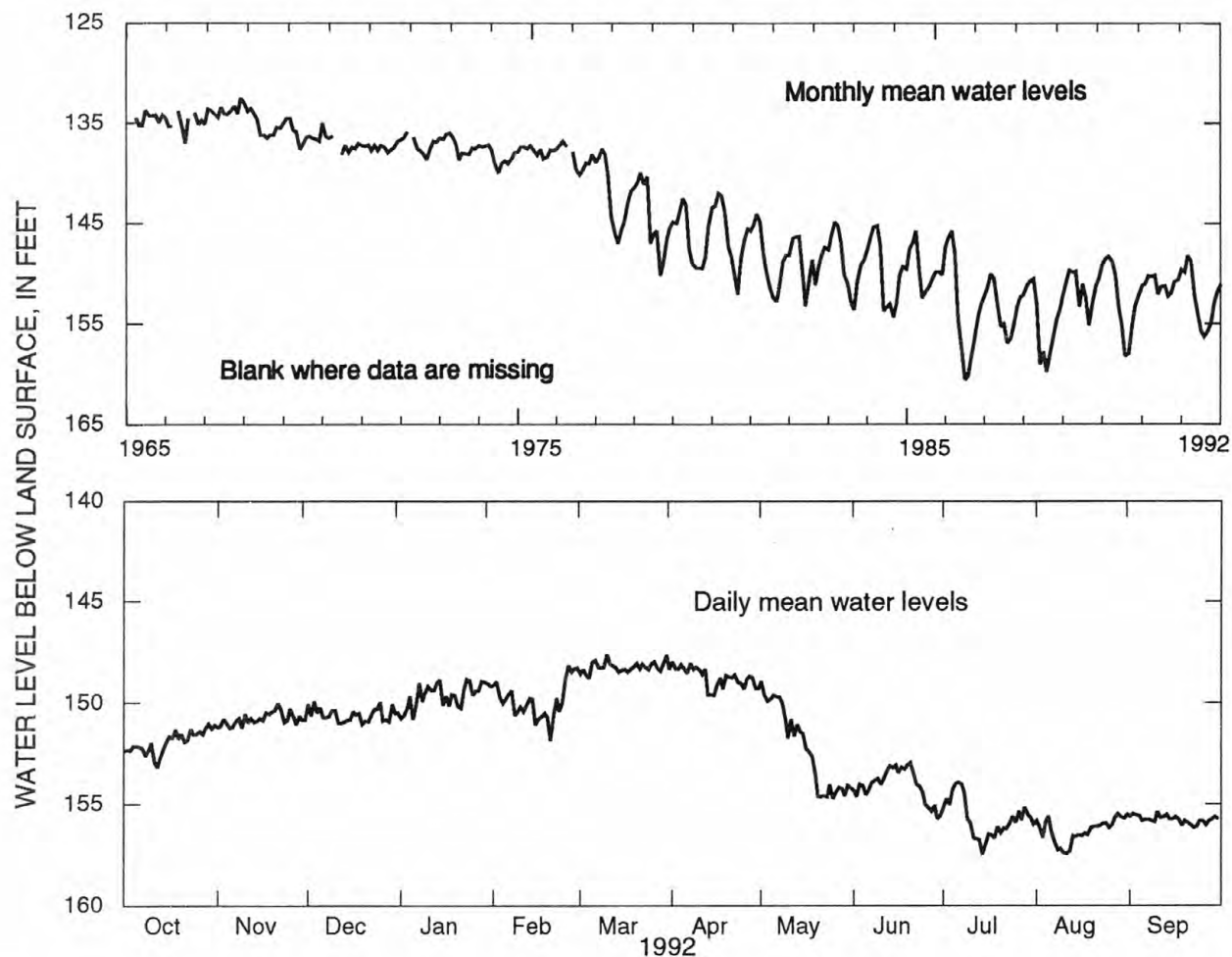
DATUM--Elevation of land-surface is 460 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Floor of recorder shelter, 3.30 ft above land-surface datum.

REMARKS--Well pumped and sounded June 22, 1978, to a depth of 372 ft; water-quality sample collected at conclusion of pumping.

Well near city wells. PERIOD OF RECORD--January 1965 to current year.

EXTREMES FOR PERIOD OF RECORD--Highest water level, 132.0 ft below land-surface datum, December 10, 1967; lowest, 162.08 ft below land-surface datum, Aug. 4, 1986.



WATER YR 1992	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	151.93	150.80	150.59	149.61	149.88	148.23	148.75	152.26	154.06	155.72	156.31	155.76
LOW	153.18	151.24	151.04	150.81	151.85	148.77	149.61	154.73	155.72	157.46	157.43	156.14
HIGH	151.06	150.02	149.94	148.84	148.15	147.62	148.07	149.59	152.94	153.91	155.47	155.38

WATER YR 1992 MEAN 152.00 HIGHEST 147.62, Mar. 10 LOWEST 157.46, July 14

GROUND-WATER LEVELS

SPALDING COUNTY

331507084171801 Local number, 11AA01.

LOCATION--Lat 33°15'54", long 84°16'56" (revised), Hydrologic Unit 03070103, University of Georgia Experiment Station, Experiment, Ga.

Owner: University of Georgia.

AQUIFER.--Residuum.

WELL CHARACTERISTICS.--Dug unused water-table well, size 4 x 4 ft, depth 30 ft, open hole.

INSTRUMENTATION.--Water-level recorder.

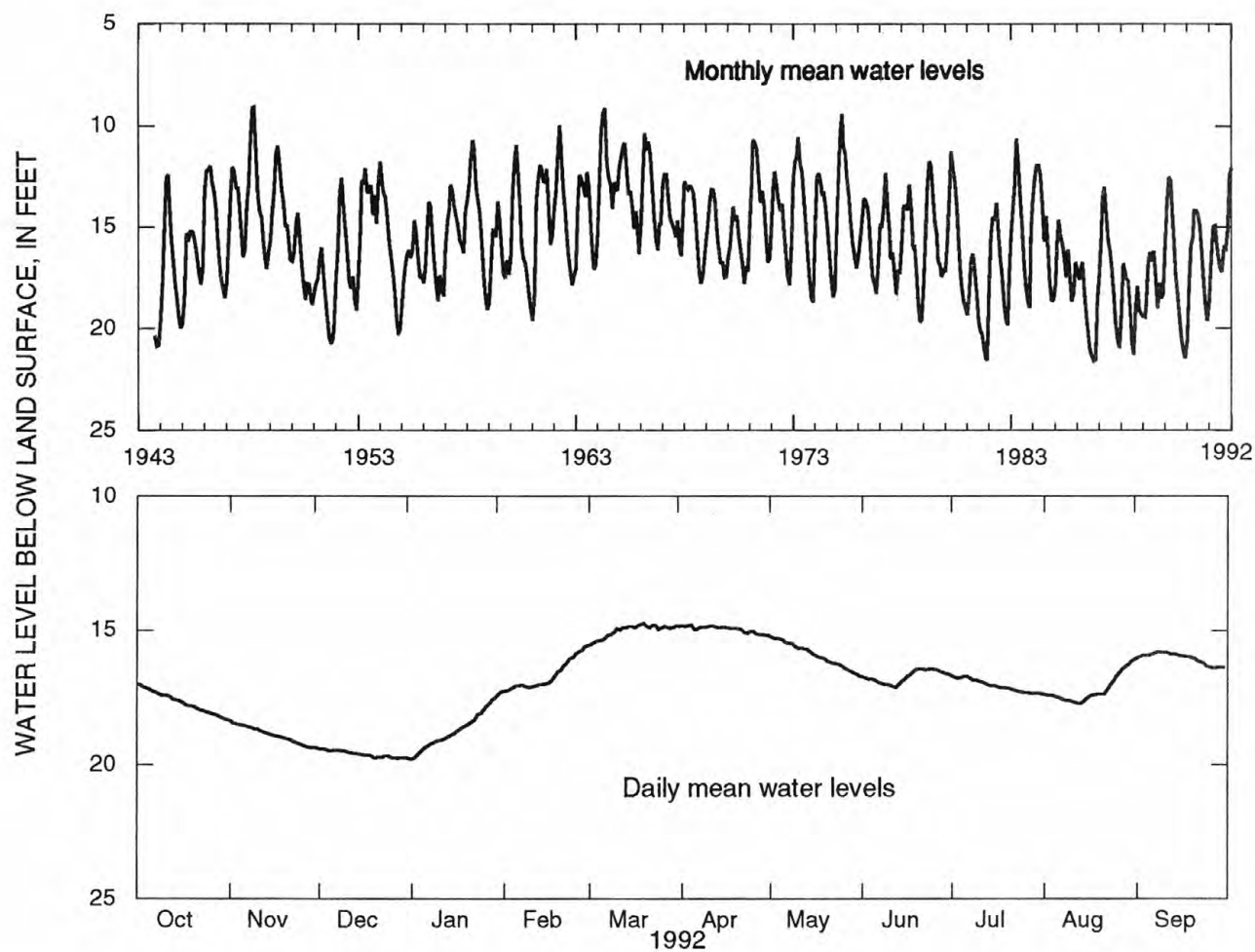
DATUM.--Elevation of land-surface is 960 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Hole in floor of recorder shelter, 3.1 ft above land-surface datum.

REMARKS.--None.

PERIOD OF RECORD.--October 1943 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 8.26 ft below land-surface datum, Mar. 19, 1948; lowest, 21.82 ft below land-surface datum, Nov. 18-19, 1986.



WATER YR 1992	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	17.68	18.90	19.61	18.65	16.66	15.00	14.95	15.92	16.73	17.06	17.20	16.04
LOW	18.32	19.39	19.78	19.73	17.25	15.47	15.18	16.70	17.13	17.36	17.72	16.39
HIGH	17.04	18.45	19.42	17.30	15.56	14.73	14.79	15.28	16.42	16.71	16.07	15.79

WATER YR 1992 MEAN 17.04 HIGHEST 14.73, Mar. 19 LOWEST 19.78, Dec. 31-Jan. 1

GROUND-WATER LEVELS

WAYNE COUNTY

313253081433502 Local number, 32L015.

LOCATION.--Lat 31°32'52", long 81°43'36", Hydrologic Unit 03070106, approximately 11 mi southeast of Jesup near Penholoway Creek.

Owner: Georgia Geologic Survey

AQUIFER.--Upper Floridan aquifer.

WELL CHARACTERISTICS.--Drilled observation well, diameter 4 in., depth 750 ft, cased to 545 ft.

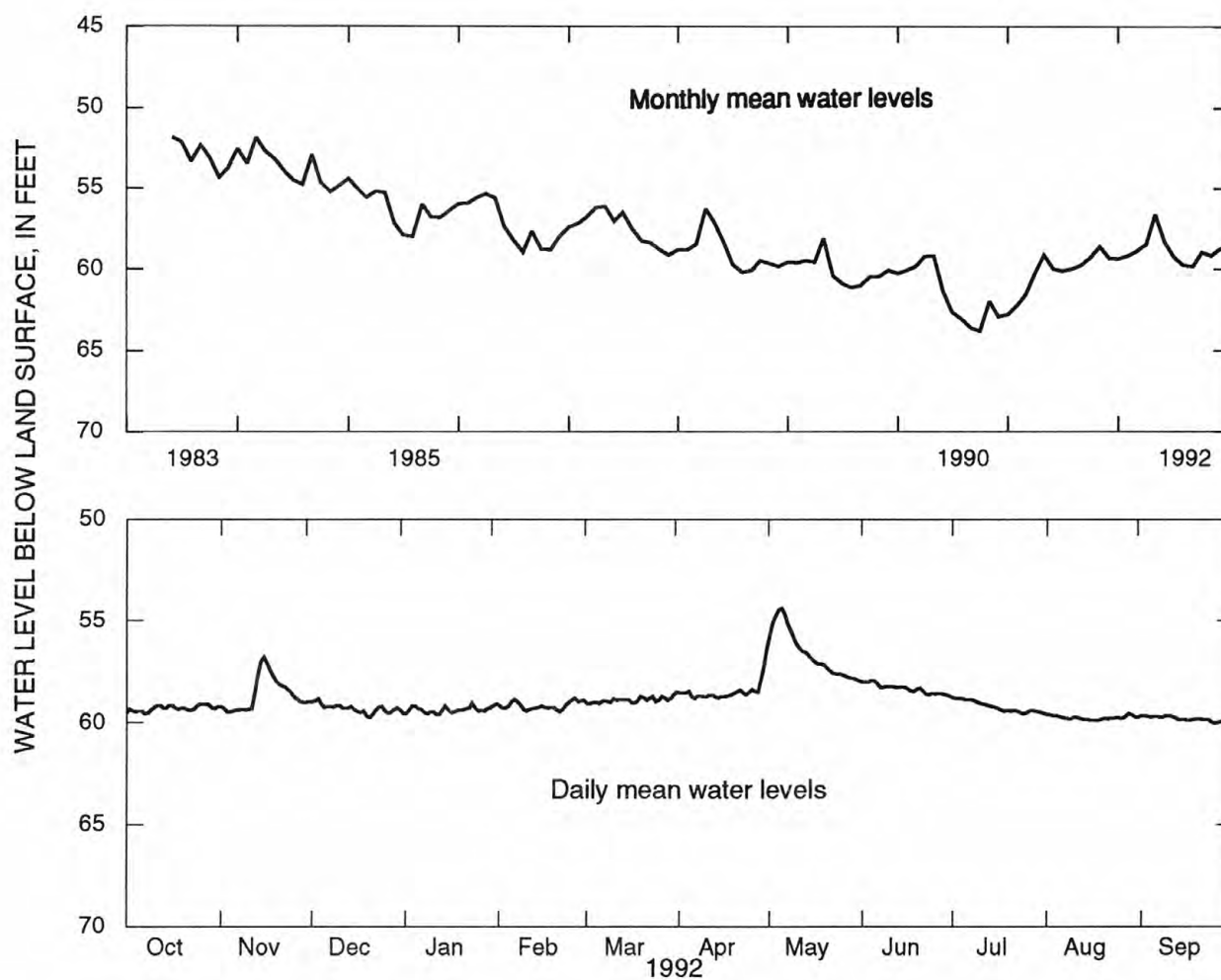
DATUM.--Elevation of land surface is 74 ft.

Measuring point: Floor of recorder shelter, 4.0 ft above land-surface datum.

REMARKS.--Borehole geophysical survey and well sounded, Apr. 20, 1983.

PERIOD OF RECORD.--April 20, 1983 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 49.12 ft below land-surface datum, Mar. 19, 1984; lowest, 64.05 ft below land-surface datum, Oct. 7-8, 1990.



WATER YR 1992	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	59.30	58.61	59.32	59.37	59.17	58.89	58.48	56.62	58.34	59.23	59.75	59.81
LOW	59.57	59.47	59.74	59.59	59.46	59.06	58.82	57.98	58.73	59.55	59.88	60.02
HIGH	59.10	56.78	58.84	59.06	58.83	58.51	56.40	54.40	57.94	58.81	59.55	59.66

WATER YR 1992 MEAN 58.91 HIGHEST 54.40, May 5 LOWEST 60.02, Sept. 25

GROUND-WATER LEVELS

WAYNE COUNTY

313701081543501 Local number, 30L003.

LOCATION--Lat 31°37'01", long 81°54'34" (revised), Hydrologic Unit 03070106, approximately 0.5 mi west of Jesup city limits near intersection of Highway 341 and Sunset Drive.

Owner: Homer Johnson.

AQUIFER.--Upper Floridan aquifer.

WELL CHARACTERISTICS.--Drilled unused domestic well, diameter 4 in., depth 584 ft, cased to 472 ft, open hole.

INSTRUMENTATION.--Water-level recorder.

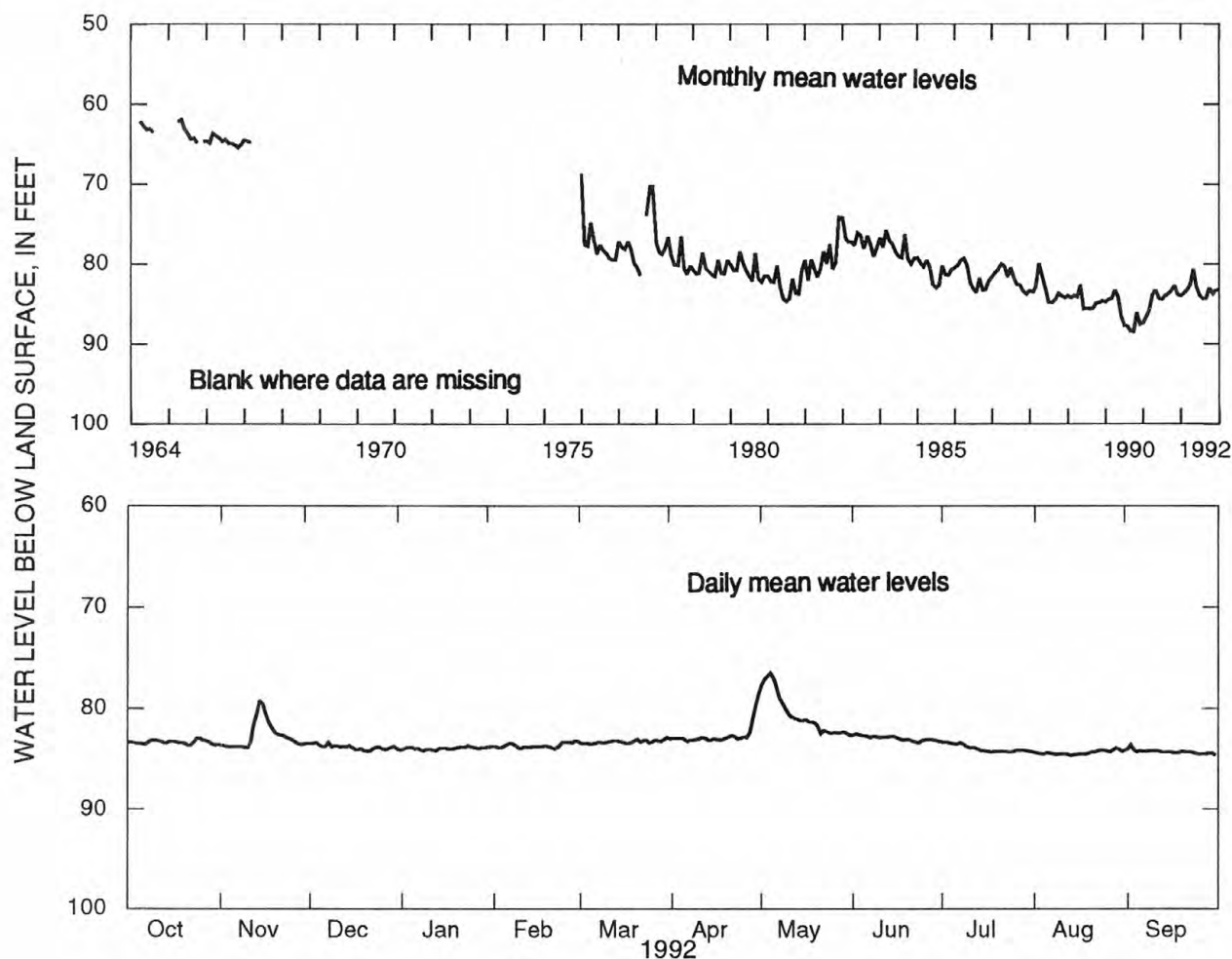
DATUM.--Elevation of land-surface is 107 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Floor of shelter, 2.88 ft above land-surface datum.

REMARKS.--Borehole geophysical survey conducted August 19, 1963.

PERIOD OF RECORD.--January 1964 to March 1967. February 1976 to current year.

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, Oct. 7, 1990.



WATER YR 1992	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	83.35	82.76	83.85	83.95	83.68	83.29	82.67	80.69	82.97	83.98	84.38	84.31
LOW	83.66	83.87	84.26	84.20	83.99	83.54	83.26	82.68	83.36	84.35	84.69	84.61
HIGH	82.96	79.30	83.38	83.69	83.21	82.88	78.60	76.55	82.54	83.35	83.94	83.62
WATER YR 1992	MEAN 83.32			HIGHEST 76.55, May 4			LOWEST 84.69, Aug. 13					

GROUND-WATER LEVELS

WORTH COUNTY

313146083491601 Local number, 15L020.

LOCATION--Lat 31°31'46", long 83°49'16", Hydrologic Unit 03110204, near water tank, behind VFW on U.S. Highway 82 east, Sylvester, Ga.

Owner: City of Sylvester.

AQUIFER.--Upper Floridan aquifer.

WELL CHARACTERISTICS.--Drilled unused municipal well, diameter 18 in., depth 450 ft, cased to 212 ft, open hole.

INSTRUMENTATION.--Water-level recorder.

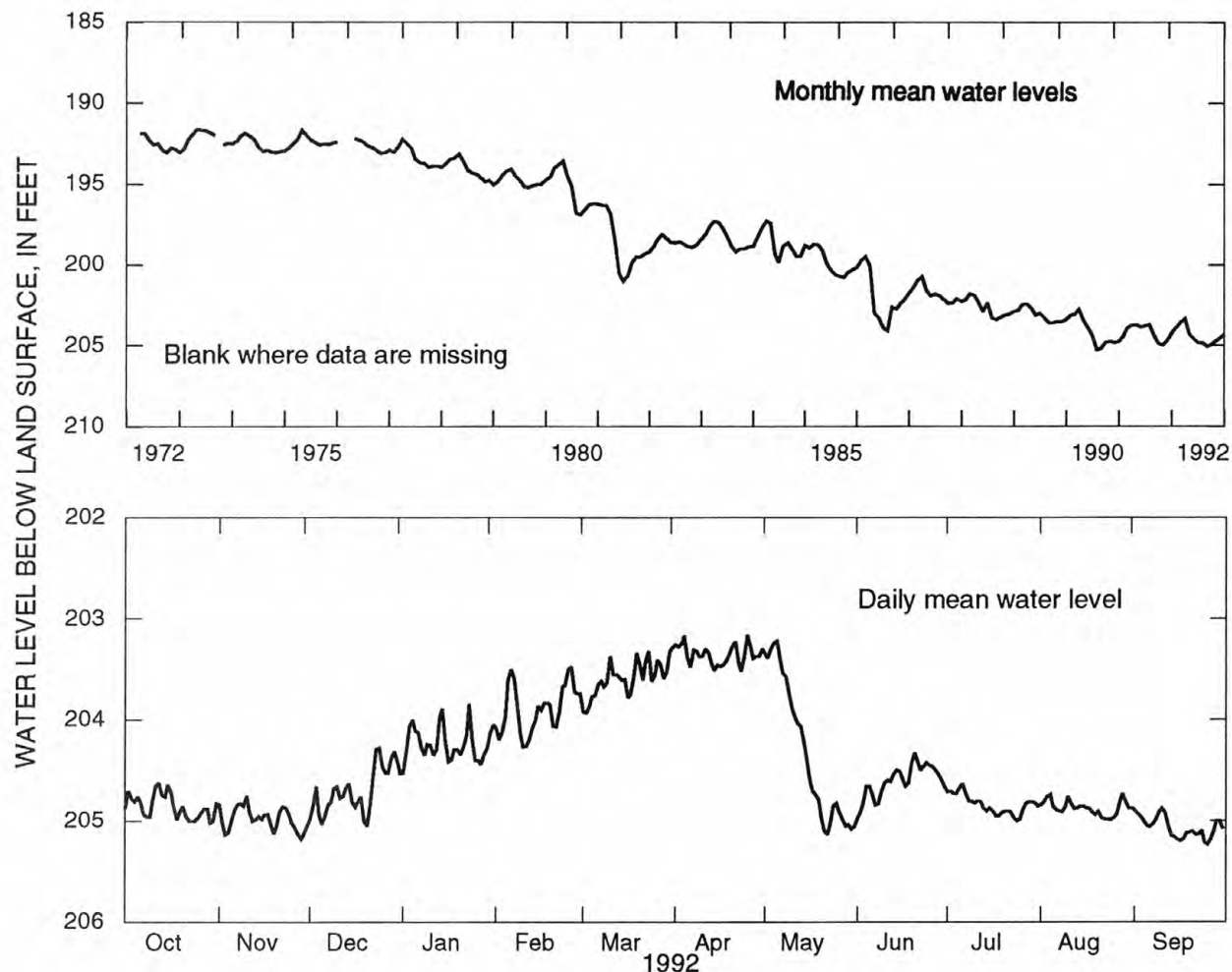
DATUM.--Elevation of land-surface is 433 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Floor of recorder shelter, 2.90 ft above land-surface datum.

REMARKS.--Well pumped and sounded July 19, 1978. Borehole geophysical survey conducted June 5, 1975.

PERIOD OF RECORD.--May 1972 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 191.50 ft below land-surface datum, May 17, 1973; lowest, 205.88 ft below land-surface datum, Aug. 26, 1990.



WATER YR 1992	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	204.86	204.98	204.70	204.23	203.89	203.58	203.36	204.33	204.60	204.84	204.87	205.07
LOW	205.02	205.18	205.05	204.44	204.27	203.93	203.52	205.14	204.92	205.00	204.99	205.24
HIGH	204.62	204.75	204.28	203.84	203.48	203.29	203.16	203.22	204.33	204.63	204.73	204.88

WATER YR 1992 MEAN 204.44 HIGHEST 203.16, Apr. 25 LOWEST 205.24, Sept. 25

CHEMICAL QUALITY OF PRECIPITATION

TIFT COUNTY

312825083315950 TIFTON-AGRICULTURAL RESEARCH SERVICE STATION NEAR TIFTON, GA.
 (National Atmospheric Deposition Program network station)
 (National Trends Network station)

LOCATION.--Lat 31°28'25", long 83°31'59", Tift County, Hydrologic Unit 03110204, at the Southeastern Watershed Research Laboratory, U.S. Department of Agriculture, Agricultural Research Service, 0.9 mi west-southwest of the intersection of Interstate Highway 75 and U.S. Highway 41, near Tifton, Georgia.

PERIOD OF RECORD.--October 1983 to September 1990, October 1990 to September 1992.

INSTRUMENTATION.--Wet/dry precipitation collector and recording rain gage.

REMARKS.--Chemical analyses reported are for wet precipitation medium code "7". Standard NADP/NTN protocol dictates that during periods of collector malfunction involving either the sensor or drive motor, the wet/dry collector should be left in "bulk" mode, i.e., the "wet" side bucket is left uncovered for the sampling period.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	MEDIUM CODE	TOTAL PRECIPITATION FOR DEFINED PERIOD (IN)	VOLUME ATM DEP WET (L)	COLLECTOR EFFICIENCY WET DEPOS. PERCENT	SPECIFIC CONDUCTANCE (US/CM)	SPECIFIC CONDUCTANCE LAB (US/CM)	PH WATER WHOLE FIELD (STANDARD UNITS)	PH WATER WHOLE LAB (STANDARD UNITS)
OCT 02-09	1300	7	0.02	0.053	152	--	36	--	4.3
OCT 09-16	1300	7	3.65	0.006	97	4	4	5.5	5.3
OCT 16-23	1300	7	1.25	3.225	150	12	12	4.6	4.7
OCT 23-30	1300	7	--	0.006	--	--	--	--	--
OCT 30-NOV 06	1700	7	0.05	0.055	64	--	21	--	4.9
NOV 06-13	1400	7	2.86	4.793	97	5	5	5.1	5.2
NOV 13-20	1400	7	--	0.007	--	--	9	--	5.8
NOV 20-27	1400	7	0.03	0.00	110	--	67	--	4.0
NOV 27-DEC 04	1400	7	0.60	0.985	95	9	9	4.7	6.1
DEC 04-11	1400	7	0.87	1.595	106	27	25	4.3	4.3
DEC 11-18	1100	7	--	0.006	--	--	32	--	5.9
DEC 18-25	1700	7	1.58	2.832	104	8	8	5.1	5.1
25 1990-01 1991	1400	8	--	--	--	18	15	4.5	4.6
JAN 01-08	1400	8	1.20	--	101	12	12	4.8	4.7
JAN 08-15	1400	8	3.71	--	101	3	3	5.4	5.3
JAN 15-22	1400	8	3.81	--	92	5	5	4.9	5.1
JAN 22-29	1400	7	2.92	4.981	99	6	6	5.1	4.9
JAN 29-FEB 05	1400	7	2.43	3.692	88	5	5	5.0	5.1
FEB 05-12	1400	7	0.49	0.723	85	8	9	4.8	4.9
FEB 12-19	1400	7	0.11	0.201	106	12	8	4.7	5.6
FEB 19-26	1400	7	0.11	0.201	106	13	11	5.0	5.1
FEB 26-MAR 05	1400	7	7.08	1.045	90	8	7	4.9	5.2
MAR 05-12	1400	7	0.07	0.073	61	5	41	4.5	5.6
MAR 12-19	1400	7	1.46	2.472	98	6	8	4.3	5.1
MAR 19-26	1400	7	0.0	0.00	--	--	--	--	--
MAR 26-APR 02	1400	7	1.43	2.414	98	6	5	5.4	5.8
APR 02-09	1400	7	0.78	1.448	108	11	10	4.8	5.1
APR 09-16	1300	7	0.36	0.695	112	13	13	4.9	4.9
APR 16-23	1600	7	2.05	3.621	102	14	13	4.6	4.7

TIFT COUNTY

312825083315950 TIFTON-AGRICULTURAL RESEARCH SERVICE STATION NEAR TIFTON, GA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

DATE	TIME	MEDIUM CODE	TOTAL PRECIP- ITATION FOR DEFINED PERIOD (IN)	VOLUME ATM DEP WET (L)	COL- LECTOR EFFI- CIENCY WET DEPOS. PERCENT	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)
APR 23-30	1400	7	0.26	0.486	108	28	26	4.8	4.5
APR 30- MAY 07	1300	7	1.54	2.784	105	9	8	4.8	5.6
MAY 07-14	1200	7	2.01	3.394	98	15	14	4.7	4.7
MAY 14-21	1300	7	0.79	0.001	109	9	8	4.8	5.0
MAY 21-28	1300	7	1.24	2.307	108	6	6	5.0	5.2
MAY 28- JUN 04	1300	7	—	1.442	—	9	21	5.8	4.4
JUN 04-11	1300	7	0.11	0.207	109	61	56	3.9	4.1
JUN 11-18	1300	7	1.25	2.232	104	15	14	4.6	4.6
JUN 18-25	1300	7	2.90	0.005	101	11	11	4.6	4.7
JUN 25- JUL 02	1300	7	1.01	1.874	108	13	10	4.6	4.7
JUL 02-09	1300	7	2.10	3.534	98	8	10	4.5	6.2
JUL 09-16	1300	7	2.52	4.379	101	27	22	4.3	4.4
JUL 16-23	1300	7	2.40	4.290	104	12	12	4.6	4.6
JUL 23-30	1300	7	2.61	4.558	101	28	28	4.3	4.2
JUL 30- AUG 06	1300	7	3.25	5.700	102	19	19	4.4	4.4
AUG 06-13	1300	8	1.16	—	91	17	23	4.6	6.6
AUG 13-20	1300	8	0.05	—	31	—	565	—	7.9
AUG 20-27	1300	8	0.69	—	95	9	13	4.6	6.4
AUG 27- SEP 03	1300	7	—	0.009	—	—	20	—	5.0
SEP 03-10	1300	7	0.0	0.00	—	—	—	—	—
SEP 10-17	1300	7	0.0	0.00	—	—	2	—	5.7
SEP 17-24	1300	7	0.02	0.017	49	—	26	—	6.7
SEP 24- OCT 01	1300	7	0.59	1.063	104	15	13	4.6	4.6

TIFT COUNTY

312825083315950 TIFTON-AGRICULTURAL RESEARCH SERVICE STATION NEAR TIFTON, GA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

		CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)		SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P)
MEDIUM DATE CODE					SODIUM PERCENT							
OCT 02-09	7	0.33	0.13	0.68	50	0.3	0.11	3.7	1.0	3.19	0.200	0.040
OCT 09-16	7	0.02	0.02	0.15	68	0.2	0.02	0.28	0.28	0.180	0.040	<0.020
OCT 16-23	7	0.06	0.06	0.47	70	0.3	0.02	0.99	0.82	0.560	0.160	<0.020
OCT 30- NOV 06	7	0.16	0.09	0.78	67	0.4	0.04	3.2	0.99	1.46	0.650	0.130
NOV 06-13	7	0.03	0.01	0.10	62	0.1	0.01	0.37	0.16	0.220	0.090	<0.020
NOV 20-27	7	0.31	0.11	0.76	56	0.3	0.07	5.9	1.3	4.71	0.570	<0.020
NOV 27- DEC 04	7	0.26	0.25	0.37	24	0.1	0.67	0.70	0.75	0.440	0.030	<0.020
DEC 04-11	7	0.07	0.02	0.12	47	0.1	0.03	2.2	0.29	1.01	0.130	<0.020
DEC 11-18	7	0.27	0.07	0.88	--	0.4	<0.05	3.5	1.0	3.82	1.33	<0.330
DEC 18-25	7	0.05	0.05	0.44	71	0.3	0.04	0.72	0.74	0.350	0.140	<0.020
25 1990- 01 199	8	0.08	0.04	0.38	67	0.3	0.03	1.4	0.61	0.880	0.200	<0.020
JAN 01-08	8	0.03	0.02	0.23	70	0.2	0.02	0.97	0.39	0.710	0.150	<0.020
JAN 08-15	8	<0.01	0.01	0.08	--	--	0.00	0.17	0.15	0.150	<0.020	<0.020
JAN 15-22	8	0.03	0.01	0.03	34	0.0	0.01	0.39	0.07	0.220	0.030	<0.020
JAN 22-29	7	0.01	<0.00	0.01	--	--	0.00	0.44	0.05	0.330	0.050	<0.020
JAN 29- FEB 05	7	0.04	0.02	0.09	53	0.1	0.01	0.47	0.18	0.220	0.060	<0.020
FEB 05-12	7	0.06	0.03	0.20	60	0.2	0.02	0.80	0.36	0.480	0.070	<0.020
FEB 12-19	7	0.10	0.06	0.46	64	0.3	0.05	0.82	0.75	0.830	0.020	<0.020
FEB 19-26	7	0.21	0.10	0.64	58	0.3	0.06	0.85	1.2	0.860	0.050	<0.020
FEB 26- MAR 05	7	0.08	0.03	0.23	58	0.2	0.03	0.58	0.38	0.410	0.110	<0.020
MAR 05-12	7	0.46	0.51	4.4	73	1	0.29	3.3	6.3	2.45	0.400	<0.020
MAR 12-19	7	0.14	0.02	0.14	39	0.1	0.02	0.59	0.27	0.480	0.040	<0.020
MAR 26- APR 02	7	0.16	0.04	0.27	47	0.2	0.06	0.46	0.43	0.210	0.100	<0.020
APR 02-09	7	0.18	0.06	0.35	48	0.2	0.08	0.83	0.63	0.960	0.210	<0.020
APR 09-16	7	0.21	0.13	0.48	44	0.2	0.19	1.2	0.86	1.06	0.080	<0.020
APR 16-23	7	0.11	0.02	0.19	51	0.1	0.02	1.3	0.29	0.770	0.180	<0.020
APR 23-30	7	0.34	0.07	0.41	41	0.2	0.12	2.6	0.74	2.18	0.520	<0.020
APR 30- MAY 07	7	0.12	0.05	0.21	35	0.1	0.27	0.81	0.33	0.940	0.210	<0.020
MAY 07-14	7	0.06	0.04	0.35	68	0.3	0.03	1.2	0.54	0.940	0.230	<0.020
MAY 14-21	7	0.06	0.02	0.19	59	0.2	0.02	0.77	0.28	0.780	0.170	<0.020
MAY 21-28	7	0.03	0.02	0.19	68	0.2	0.01	0.44	0.30	0.390	0.070	<0.020
MAY 28- JUN 04	7	0.06	0.01	0.10	46	0.1	0.04	1.6	0.17	1.44	0.070	<0.020
JUN 04-11	7	0.25	0.15	1.1	65	0.4	0.08	5.2	2.1	2.70	0.470	0.030
JUN 11-18	7	0.06	0.01	0.07	41	0.1	0.02	1.2	0.15	0.910	0.130	<0.020
JUN 18-25	7	0.06	0.01	0.05	34	0.0	0.02	0.97	0.11	0.670	0.080	<0.020
JUN 25- JUL 02	7	0.02	0.02	0.19	73	0.2	0.01	0.60	0.27	0.840	0.050	0.020

TIFT COUNTY

312825083315950 TIFTON-AGRICULTURAL RESEARCH SERVICE STATION NEAR TIFTON, GA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1990 TO SEPTEMBER 1991

MEDIUM DATE CODE		CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P)
JUL 02-09	7	0.08	0.07	0.07	10	0.0	0.71	0.74	0.24	0.320	<0.020	<0.020
JUL 09-16	7	0.04	0.01	0.04	34	0.0	0.02	1.9	0.07	1.23	0.120	<0.020
JUL 16-23	7	0.03	0.01	0.08	56	0.1	0.01	0.87	0.14	0.670	0.040	<0.020
JUL 23-30	7	0.03	0.01	0.03	34	0.0	0.02	2.4	0.09	1.48	0.160	<0.020
JUL 30- AUG 06	7	0.02	0.00	0.03	38	0.0	0.02	1.8	0.07	0.750	0.140	<0.020
AUG 06-13	8	0.23	0.22	0.84	53	0.3	0.10	2.4	0.22	1.31	2.35	0.890
AUG 13-20	8	3.7	3.6	1.7	3	0.1	65	23	6.7	4.60	8.31	33.6
AUG 20-27	8	0.12	0.05	0.13	19	0.1	0.62	0.76	0.22	0.640	<0.020	<0.020
SEP 10-17	7	0.04	0.01	0.10	61	0.1	0.01	0.04	0.11	0.180	<0.020	<0.020
SEP 17-24	7	0.37	0.07	0.45	39	0.2	0.22	1.7	0.63	3.69	<0.110	<0.110
SEP 24- OCT 01	7	0.04	0.02	0.11	55	0.1	0.02	1.0	0.20	0.770	<0.020	<0.020

TIFT COUNTY

312825083315950 TIFTON-AGRICULTURAL RESEARCH SERVICE STATION NEAR TIFTON, GA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	TIME	MEDIUM CODE	TOTAL PRECIP- ITATION FOR DEFINED PERIOD (IN)	VOLUME ATM DEP WET (L)	COL- LECTOR EFFI- CIENCY WET DEPOS. PERCENT	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)
OCT 01-08	1300	7	0.38	0.703	107	10	11	4.71	5.12
OCT 15-22	1300	7	0.38	0.684	105	32	31	4.32	4.27
OCT 22-29	1300	7	0.02	0.022	63	—	24	—	5.57
OCT 29- NOV 05	1400	7	0.01	0.009	55	—	61	—	4.05
NOV 05-12	1400	7	0.09	0.00	46	36	25	4.31	4.44
NOV 19-26	1400	7	0.25	0.370	86	11	9	4.59	5.35
NOV 26- DEC 03	1400	7	0.05	0.004	4.2	—	—	—	—
FEB 04-11	1400	7	1.51	2.708	104	29	14	4.48	4.58
FEB 11-18	1400	7	3.18	5.610	102	11	9	4.63	4.77
FEB 18-25	1400	7	0.84	1.443	100	12	16	4.52	4.69
FEB 25- MAR 03	1400	7	0.22	0.379	100	12	9	4.75	4.96
MAR 03-10	1400	7	0.90	1.613	104	11	19	4.54	4.65
MAR 10-17	1400	7	0.41	0.719	102	10	11	4.71	4.82
MAR 17-24	1400	7	1.66	2.836	99	12	6	4.99	5.22
MAR 24-31	1400	7	1.91	3.224	98	13	17	4.54	4.59
MAR 31- APR 07	1400	7	0.01	0.040	234	14	44	3.98	4.43
APR 07-14	1300	7	0.10	0.186	108	31	18	4.48	5.67
APR 14-21	1300	7	—	1.323	—	11	9	4.66	5.01
APR 21-28	1300	7	1.44	2.535	102	10	7	5.00	5.30
APR 28- MAY 05	1300	7	0.00	0.005	—	—	—	—	—
MAY 05-12	1300	7	—	0.00	—	—	3	—	6.20
MAY 12-19	1300	7	0.06	0.166	161	17	18	4.38	5.58
MAY 19-26	1300	7	0.07	0.137	113	56	43	4.04	4.40
MAY 26- JUN 02	1300	7	1.03	1.833	103	13	8	4.69	5.00
JUN 02-09	1300	7	1.61	2.709	98	8	5	4.85	5.09
JUN 09-16	1300	7	1.49	2.624	102	9	6	4.77	4.97
JUN 16-23	1300	7	0.42	0.690	95	31	22	4.29	4.62
JUN 23-30	1300	7	0.85	1.553	106	19	19	4.38	4.63
JUN 30- JUL 07	1300	7	2.08	3.577	100	6	6	5.30	5.81
JUL 07-14	1300	7	0.07	0.126	104	45	38	4.18	4.34
JUL 14-21	1300	7	0.55	1.141	120	7	14	6.45	6.69
JUL 21-28	1300	7	0.19	0.362	111	15	14	4.56	4.90
JUL 28- AUG 04	1230	7	—	0.353	—	27	24	4.27	4.38
AUG 04-11	1300	7	2.02	—	—	—	27	4.29	4.29
AUG 11-18	1900	7	3.21	5.598	101	5	4	5.52	5.93
AUG 18-25	1300	7	1.51	0.003	109	7	7	5.86	6.03

TIFT COUNTY

312825083315950 TIFTON-AGRICULTURAL RESEARCH SERVICE STATION NEAR TIFTON, GA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DATE	TIME	MEDIUM CODE	TOTAL PRECIPITATION FOR DEFINED PERIOD (IN)	VOLUME ATM DEP WET (L)	COLLECTOR EFFICIENCY WET DEPOS. PERCENT	SPECIFIC CONDUCTANCE (US/CM)	SPECIFIC CONDUCTANCE LAB (US/CM)	PH WATER WHOLE FIELD (STANDARD UNITS)	PH WATER WHOLE LAB (STANDARD UNITS)
AUG 25-SEP 01	1300	7	0.12	0.260	126	21	18	4.50	4.67
SEP 01-08	1300	7	0.78	1.441	107	16	17	4.51	4.52
SEP 08-15	1245	7	0.03	0.093	180	12	12	4.60	6.59
SEP 15-22	1245	7	—	0.006	—	—	—	—	6.90
SEP 22-29	1300	7	1.03	0.002	104	15	14	4.68	4.83
SEP 29-OCT 06	1300	7	2.40	4.202	102	5	4	—	5.49

MEDIUM DATE CODE		CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P)
OCT 01-08	7	0.050	0.074	0.660	75	0.4	0.036	0.51	1.15	0.35	<0.020	<0.020
OCT 15-22	7	0.420	0.048	0.230	27	0.1	0.100	3.41	0.34	2.78	0.600	<0.020
OCT 22-29	7	0.650	0.233	1.59	55	0.4	0.162	2.00	2.75	1.79	0.370	<0.080
OCT 29- NOV 05	7	<0.110	<0.037	0.260	--	--	<0.037	1.48	<0.37	0.87	<0.250	<0.250
NOV 05-12	7	0.100	0.017	0.112	34	0.1	0.125	2.78	0.23	2.20	0.530	0.030
NOV 19-26	7	0.090	0.083	0.688	66	0.4	0.149	0.80	1.09	0.66	0.130	<0.020
NOV 26- FEB 04-11	7	0.040	0.023	0.173	64	0.2	0.012	1.13	0.27	0.93	0.090	<0.020
FEB 11-18	7	0.020	0.010	0.063	55	0.1	0.016	0.89	0.16	0.35	0.090	<0.020
FEB 18-25	7	0.080	0.061	0.451	66	0.3	0.041	1.36	0.71	1.09	0.130	<0.020
FEB 25- MAR 03	7	0.050	0.038	0.290	67	0.2	0.028	0.81	0.45	0.50	0.100	<0.020
MAR 03-10	7	0.140	0.094	0.731	66	0.4	0.070	1.34	1.26	1.13	0.150	<0.020
MAR 10-17	7	0.160	0.033	0.169	38	0.1	0.058	1.20	0.28	0.79	0.170	<0.020
MAR 17-24	7	0.070	0.030	0.240	60	0.2	0.043	0.64	0.39	0.35	0.110	<0.020
MAR 24-31	7	0.060	0.057	0.395	68	0.3	0.016	1.45	0.72	0.66	0.120	<0.020
MAR 31- APR 07	7	1.02	0.179	1.45	47	0.3	0.238	4.52	2.43	5.27	0.250	<0.100
APR 07-14	7	0.340	0.161	1.29	61	0.5	0.206	2.10	2.00	1.68	0.460	0.020
APR 14-21	7	0.070	0.035	0.213	55	0.2	0.042	0.88	0.37	0.52	0.190	<0.020
APR 21-28	7	0.110	0.038	0.241	52	0.2	0.048	0.70	0.36	0.50	0.170	<0.020
MAY 05-12	7	0.050	0.008	0.100	7	0.1	2.02	0.23	1.92	0.33	0.100	<0.020
MAY 12-19	7	0.350	0.095	0.235	25	0.1	0.180	3.27	0.42	2.55	0.680	0.050
MAY 19-26	7	0.300	0.080	0.366	35	0.2	0.337	4.87	0.34	2.87	1.17	<0.020
MAY 26- JUN 02	7	0.040	0.017	0.104	54	0.1	0.017	0.72	0.15	0.81	0.130	<0.020
JUN 02-09	7	0.070	0.006	0.045	31	0.0	0.017	0.45	0.09	0.38	0.040	<0.020
JUN 09-16	7	0.020	0.011	0.062	51	0.1	0.028	0.52	0.11	0.57	0.070	<0.020

TIFT COUNTY

312825083315950 TIFTON-AGRICULTURAL RESEARCH SERVICE STATION NEAR TIFTON, GA.--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

MEDIUM DATE	CODE	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P)
JUN 16-23	7	0.220	0.075	0.100	15	0.0	0.258	2.84	0.14	2.08	0.520	<0.020
JUN 23-30	7	0.450	0.076	0.069	8	0.0	0.239	2.59	0.16	1.26	0.240	<0.020
JUN 30- JUL 07	7	0.110	0.066	0.237	33	0.1	0.391	0.53	0.42	0.24	0.070	<0.020
JUL 07-14	7	0.770	0.120	0.570	31	0.2	0.293	4.06	0.45	4.83	0.490	<0.020
JUL 14-21	7	0.080	0.071	0.246	23	0.2	0.987	0.56	0.41	1.19	0.260	<0.020
JUL 21-28	7	0.110	0.042	0.315	57	0.2	0.059	1.34	0.40	1.77	0.140	0.020
JUL 28- AUG 04	7	0.150	0.032	0.168	35	0.1	0.128	1.96	0.23	1.95	<0.020	0.040
AUG 04-11	7	0.100	0.013	0.061	28	0.0	0.033	2.39	0.12	1.62	0.310	<0.020
AUG 11-18	7	0.040	0.022	0.093	28	0.1	0.251	0.33	0.14	0.31	<0.020	<0.020
AUG 18-25	7	0.140	0.097	0.086	8	0.0	1.09	0.66	0.16	0.09	<0.020	0.070
AUG 25- SEP 01	7	0.190	0.082	0.468	52	0.2	0.093	1.71	0.71	1.49	0.130	<0.020
SEP 01-08	7	0.140	0.041	0.214	45	0.1	0.045	1.11	0.35	1.52	0.070	<0.020
SEP 08-15	7	0.160	0.068	0.537	61	0.3	0.051	0.79	0.70	1.19	<0.020	0.100
SEP 22-29	7	0.150	0.048	0.347	54	0.2	0.048	1.35	0.54	0.99	0.200	<0.020
SEP 29- OCT 06	7	0.040	0.023	0.216	68	0.2	0.021	0.29	0.30	0.14	<0.020	<0.020

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FACTORS FOR CONVERTING INCH-POUND UNITS TO INTERNATIONAL SYSTEM UNITS (SI)

The following factors may be used to convert the inch-pound units published herein to the International System of Units (SI).

Multiply inch-pound units	By	To obtain SI units
<i>Length</i>		
inches (in)	2.54×10^1	millimeters (mm)
	2.54×10^{-2}	meters (m)
feet (ft)	3.048×10^{-1}	meters (m)
miles (mi)	1.609×10^0	kilometers (km)
<i>Area</i>		
acres	4.047×10^3	square meters (m ²)
	4.047×10^{-1}	square hectometers (hm ²)
	4.047×10^{-3}	square kilometers (km ²)
square miles (mi ²)	2.590×10^0	square kilometers (km ²)
<i>Volume</i>		
gallons (gal)	3.785×10^0	liters (L)
	3.785×10^0	cubic decimeters (dm ³)
	3.785×10^{-3}	cubic meters (m ³)
million gallons	3.785×10^3	cubic meters (m ³)
	3.785×10^{-3}	cubic hectometers (hm ³)
cubic feet (ft ³)	2.832×10^1	cubic decimeters (dm ³)
	2.832×10^{-2}	cubic meters (m ³)
cfs-days	2.447×10^3	cubic meters (m ³)
	2.447×10^{-3}	cubic hectometers (hm ³)
acre-feet (acre-ft)	1.233×10^3	cubic meters (m ³)
	1.233×10^{-3}	cubic hectometers (hm ³)
	1.233×10^{-6}	cubic kilometers (km ³)
<i>Flow</i>		
cubic feet per second (ft ³ /s)	2.832×10^1	liters per second (L/s)
	2.832×10^1	cubic decimeters per second (dm ³ /s)
	2.832×10^{-2}	cubic meters per second (m ³ /s)
gallons per minute (gal/min)	6.309×10^{-2}	liters per second (L/s)
	6.309×10^{-2}	cubic decimeters per second (dm ³ /s)
	6.309×10^{-5}	cubic meters per second (m ³ /s)
million gallons per day	4.381×10^1	cubic decimeters per second (dm ³ /s)
	4.381×10^{-2}	cubic meters per second (m ³ /s)
<i>Mass</i>		
tons (short)	9.072×10^{-1}	megagrams (Mg) or metric tons

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