Water Resources Data
Georgia
Water Year 1986

U.S. GEOLOGICAL SURVEY WATER-DATA REPORT GA-86-1
Prepared in cooperation with the State of Georgia
and with other agencies

October 1, 1978

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). This report contains both the inch-pound and SI unit equivalents in the station manuscript descriptions.

Multiply inch-pound units	By	To obtain SI units
	Length	
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)
	Area	
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)
	Volume	
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)
	Flow	
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)
	Mass	
tons (short)	9.072×10^{-1}	megagrams (Mg) or metric tons

Water Resources Data
Georgia
Water Year 1986

by W.R. Stokes, III, T.W. Hale, and G.R. Buell

U.S. GEOLOGICAL SURVEY WATER-DATA REPORT GA-86-1
Prepared in cooperation with the State of Georgia
and with other agencies

DEPARTMENT OF THE INTERIOR

DONALD PAUL HODEL, Secretary

U.S. GEOLOGICAL SURVEY

Dallas L. Peck, Director

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District Chief, Water Resources Division
U.S. Geological Survey
6481 Peachtree Industrial Boulevard, Suite B
Doraville, Georgia 30360

1987

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 networks in each State, Puerto Rico, and the Trust Territories. These records of streamflow, ground-water levels, and quality of water provide the hydrologic information needed by 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 1 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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Prepared in cooperation with the State of Georgia and with other Federal agencies.

16. Abstract (Limit: 200 words)

Water resources data for the 1986 water year for Georgia consists of records of stage, discharge, and water quality of streams; stage and contents of lakes and reservoirs; ground-water levels; and precipitation quality. This report contains discharge records of 107 gaging stations; stage for 13 gaging stations; stage and contents for 18 lakes and reservoirs; water quality for 111 continuing-record stations; peak stage and discharge only for 119 crest-stage partial-record stations and 30 miscellaneous sites; base-flow discharge measurements at 236 miscellaneous sites; water levels of 26 observation wells and water quality for 4 precipitation-quality sites. 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, *Water quality, *Precipitation quality, *Ground water, Flow rate, Gaging stations, Lakes, Reservoirs, Chemical analyses, Wells, Sediments, Water temperatures, Sampling sites, Water levels, Water analyses

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Well 320122080510204, Local number 39Q003 403
Well 320202080541201, Local number 38Q002 404
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INTRODUCTION

Water resources data for the 1986 water year for Georgia consists of records of stage, discharge, and water quality of streams; stage and contents of lakes and reservoirs; ground-water levels; and precipitation quality. This report contains discharge records of 107 gaging stations; stage for 13 gaging stations; stage and contents for 18 lakes and reservoirs; water quality for 111 continuing-record stations; peak stage and discharge only for 119 crest-stage partial-record stations and 30 miscellaneous sites; base-flow discharge measurements at 236 miscellaneous sites; water levels of 26 observation wells and water quality for 4 precipitation-quality sites. 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 41, 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 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-86-1." These water-data reports are for sale, in paper copy or in microfiche by the National Technical Information Service, U.S. Department of Commerce, Springfield, VA 22161.

Additional information, including current prices, for ordering specific reports may be obtained from the District Chief at the address given on the back of the title page or by telephone (404) 331-4858.

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, J. Leonard Ledbetter, Commissioner
Georgia Department of Transportation, Thomas D. Moreland, Commissioner
Bibb County
Glynn County
Consolidated Government of Columbus
City of Brunswick
City of Covington
City of Helena
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:

Corps of Engineers, U.S. Army
U.S. Environmental Protection Agency
Federal Highway Administration, U.S. Department of Transportation
Agricultural Research Service, U.S. Department of Agriculture
Tennessee Valley Authority
National Weather Service, NOAA, U.S. Department of Commerce

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 1986 water year was well below normal throughout the State, except for the southeastern part where above normal runoff during the winter months caused a surplus for the year. For unregulated streams having more than 10 years of streamflow record, the ratio of runoff during the 1986 water-year to long-term runoff ranged from about 1.3 at Satilla River near Waycross to 0.2 at Heath Creek near Rome. The runoff ratio for most of Georgia was below 0.6, with the exception of the southeastern part where the ratio was generally above 1.0.

Monthly mean runoff in the northern part of the State was below normal for the entire year and flows during January through July totaled less than 40 percent of normal. In central Georgia, monthly mean runoff was above normal during November and December, about 50 percent of normal during October, January, February, March, and September, and about 20 to 30 percent of normal from April through August. Monthly mean flows in the southern part of the State were well above normal during November through February, slightly below normal during October and March, and well below normal from April through September. Figure 1 shows monthly and yearly mean discharges for the 1986 water year at three representative long-term gaging stations and the median monthly and yearly discharges for the period 1951-80.

Major flooding occurred in the southern part of Georgia in February owing to rainfall that totaled as much as 12 inches on February 4-11. The last few inches of this rainfall occurred rapidly on saturated ground on February 10-11, causing significant flooding in the Satilla, Suwannee, and Ochlockonee River basins. Peak flows in the Satilla River basin ranged from 2- to 40-year recurrence intervals whereas 15- to 25-year events were the norm on the larger streams. Several streams in the Suwannee and Ochlockonee River basins had extremely high peak flows. Two small streams near Tifton, Jacks Creek and Mill Creek, had peaks in excess of the 100-year flood flow. Peak flows at Okapilco Creek near Quitman and Ochlockonee River at Moultrie reached 100-year recurrence intervals and the peak flow at Little River near Adel was a 75-year event.

A severe prolonged drought occurred in most of Georgia during the year. The effects were most pronounced in the central and northern parts of the State where deficient winter and spring rainfall left streams at seasonally low levels prior to the summer months. Evapotranspiration from high air temperatures and vegetal growth, coupled with a continued lack of rain, caused flows to recede until mid-August when thunderstorms began to relieve the critially dry conditions. However, by the end of the 1986 water year flows again were falling rapidly. This drought was unusual in that most of the unregulated streams had minimum flows in late July or early August rather than in the fall. The drought was severe from many perspectives. For instance, annual runoff for the 1986 water-year was the lowest on record for such long-term gaging stations as Broad River at Bell (55 years), Oconee River at Dublin (89 years), Chestatee River near Dahlonega (48 years), Chattahoochee River at Columbia (57 years), Flint River at Montezuma (64 years), Etowah River at Canton (59 years), Coosa River at Rome (55 years), and Toccoa River near Dial (74 years). Moreover, new minimum daily flows of record were set at many gaging stations on unregulated streams. Seven-day minimum flows reached recurrence intervals of 30 to 50 years in much of the State. An open-file report documenting the extent and magnitude of this drought is in preparation.

Water Quality

Georgia's surface-water resources are of generally good quality. A summary of surface-water quality for several constituents measured at 15 sites throughout the State is presented in table 1. The stations selected for analysis were chosen to provide good areal coverage of the State and to represent a wide range of basin characteristics, land use, and water use. Eleven of these sites are part of an 85-station cooperative network operated by the U.S. Geological Survey and the Georgia Department of Natural Resources, Environmental Protection Division. Five sites are part of the Geological Survey's National Stream-Quality Accounting Network (NASQAN) program, and one is part of the Geological Survey's Hydrologic Bench-Mark (HBM) program. The statistics presented in table 1 were calculated from water-quality data collected on a periodic basis (monthly for all but four sites). No continuous water-quality-monitor data were used in the calculations.

Notable changes in surface-water quality for the 1986 water year compared to the long-term record (table 1) probably can be attributed to the severe drought conditions that prevailed during the latter part of the year or a combination of drought and urbanization. Low flows in areas of the State most severely affected by the drought resulted in higher specific conductance and alkalinity for 1986 than for the long-term record. For instance, mean conductances for stations 02202500, 02212600, 02226160, 02228000, 02337170, 02352500, and 02353000 (see fig. 8 for locations) were 30 to 50 percent higher than the long-term mean. These sites represent areas of the State that had critically low flows. By comparison, the 1986 mean specific conductance for station 02318960 was slightly lower than the long-term mean. This station is in south-central Georgia, an area that had near-normal flows for the year.

Water-quality profiles of the Chattahoochee River

Figure 2 shows a comparison of the variations in specific conductance (SC), total inorganic nitrogen (TIN), and total phosphorus (TP) along the Chattahoochee River for samples collected during the 1986 water year and those for water years 1976-85. The 1976-85 data bars identify the 90th-percentile, median, and 10th-percentile values whereas the 1986 bars show the maximum (100th-percentile), median, and minimum values. Both the concentrating effects of the 1986 drought and the increased use of the river for assimilation of waste from the Atlanta area can be seen. For all three, the median values of the 1986 data are well above the median values of the 1976-85 data. Most of the increases probably are due to the extremely low flows in 1986. However, increases in the median values of SC, TIN, and TP observed at stations B (02336502) and C (02337170) also can be attributed to discharges from waste-treatment plants into the Chattahoochee River between stations A (02331600) and B (02336502). These point-source discharges that tend to increase nitrogen and phosphorus levels in the river produce even more pronounced effects during periods of low flow.

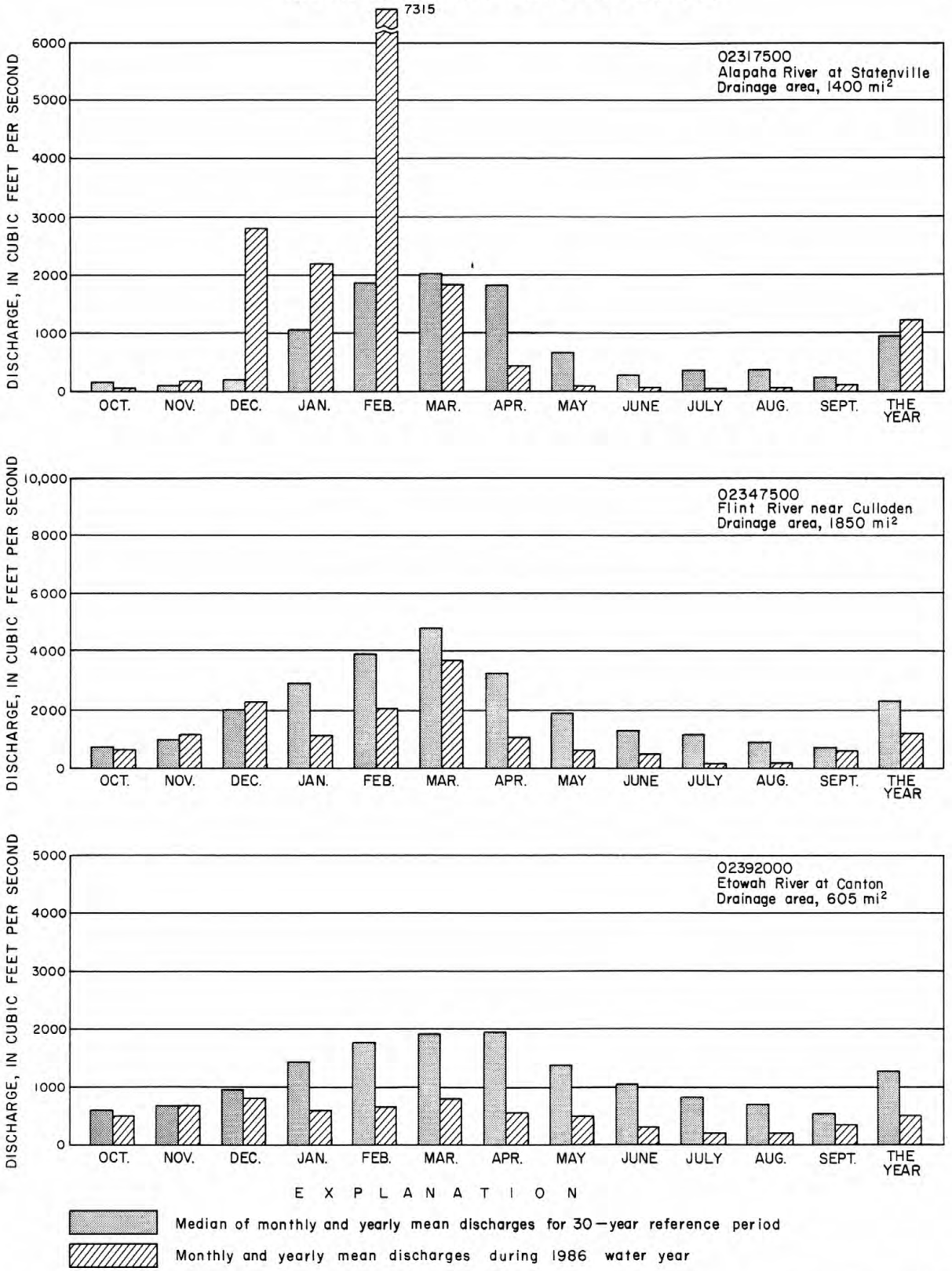
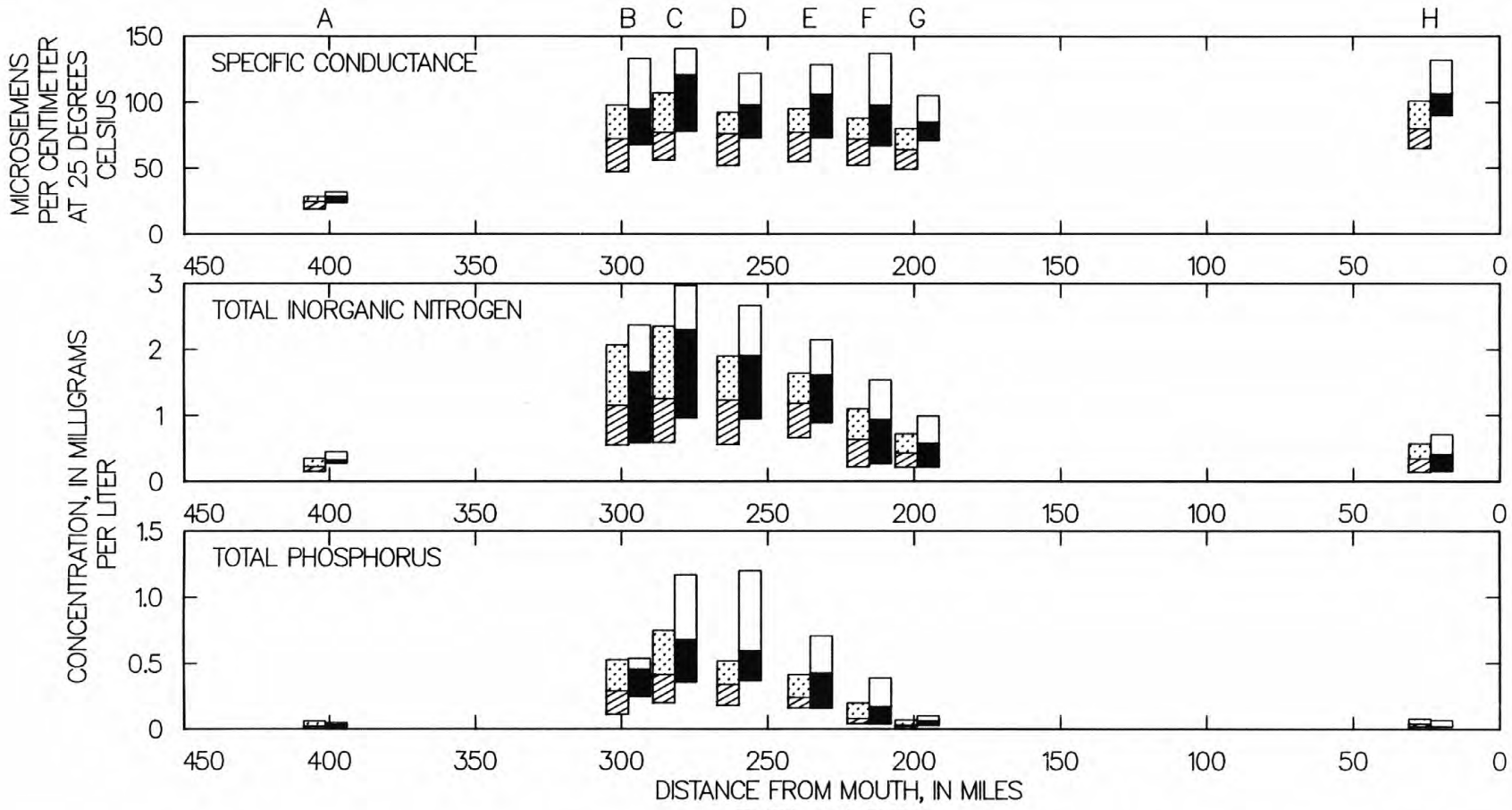


Figure 1.—Comparison of discharge at three representative long-term gaging stations during 1986 water year with median discharge for 30-year reference period.

Table 1.--Water-quality characteristics of Georgia surface water at selected periodic sampling stations

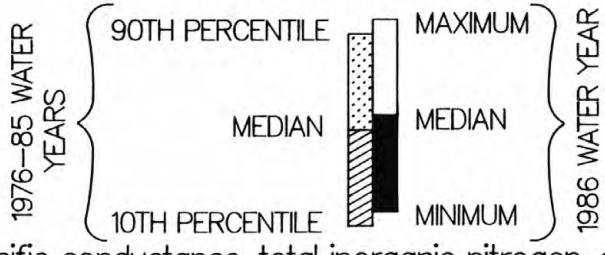
[N, number of samples; mean pH's calculated from antilogarithms; d, analysis discontinued; na, analysis not part of the station schedule]

Stream and location	Downstream order number	Sample period (water years)	pH (standard units) N	pH (standard units) Mean	Specific conductance (µS/cm at 25°) N	Specific conductance (µS/cm at 25°) Mean	Alkalinity (mg/L as CaCO3) N	Alkalinity (mg/L as CaCO3) Mean	Nitrogen, NO2+NO3 total (mg/L as N) N	Nitrogen, NO2+NO3 total (mg/L as N) Mean	Phosphorus, total (mg/L as P) N	Phosphorus, total (mg/L as P) Mean	Carbon, organic total (mg/L as C) N	Carbon, organic total (mg/L as C) Mean
Chattooga River	02177000	1968-86	173	6.6	161	13	150	5.4	160	0.03	159	0.04	132	2.2
near Clayton		1986	12	6.7	12	15	12	5.7	12	.03	12	.07	12	3.2
Ogeechee River	02202500	1974-86	158	6.5	149	77	135	24	145	.11	145	.06	55	8.8
near Eden		1986	6	7.2	6	115	6	33	6	.18	6	.08	--d--	
Falling Creek	02212600	1968-86	178	6.7	180	118	166	51	124	.07	123	.07	30	3.6
near Juliette		1986	4	7.6	5	162	6	54	4	.11	4	.03	--d--	
North Oconee River	02217740	1974-86	137	7.0	137	56	125	21	137	.34	137	.04	133	3.0
at Athens		1986	12	7.1	12	65	12	24	12	.38	12	.03	12	4.7
Altamaha River	02226160	1974-86	189	6.8	194	124	178	28	188	.25	186	.07	145	8.6
near Everett		1986	17	7.1	17	166	17	37	17	.24	17	.07	11	10
Satilla River	02228000	1968-86	174	4.9	167	56	153	4.2	165	.12	165	.12	96	19
at Atkinson		1986	8	5.4	9	71	8	5.8	8	.10	8	.12	4	16
Suwanee River	02314500	1968-86	171	4.1	157	55	103	1.1	154	.06	155	.04	129	38
at Fargo		1986	11	3.9	11	62	11	1.0	11	.02	11	.06	11	44
Withlacoochee River	02318960	1975-86	138	6.3	137	123	124	40	138	.30	138	.17	135	11
near Clyattsville		1986	11	6.4	11	120	11	39	11	.20	11	.15	11	15
Chattahoochee River	02337170	1968-86	314	6.5	345	81	157	20	365	.58	356	.52	310	5.8
near Fairburn		1986	12	6.9	12	116	12	24	12	1.2	12	.72	12	5.6
Chattahoochee River	02343801	1983-86	24	7.2	24	70	24	18	24	.25	24	.04	--na--	
at Andrew's L&D		1986	6	7.3	6	82	6	21	6	.21	6	.04	--na--	
near Columbia														
Kinchafoonee Creek	02350600	1970-86	73	6.5	66	33	67	9.3	67	.15	67	.04	60	4.5
at Preston		1986	2	6.8	2	33	2	8.5	2	.18	2	.03	2	3.9
Flint River	02352500	1968-86	104	7.1	89	74	84	24	88	.25	88	.11	60	4.7
at Albany		1986	4	7.2	4	99	3	25	3	.22	3	.03	3	9.6
Flint River	02353000	1968-86	111	7.3	84	106	80	39	85	.42	84	.13	31	4.5
at Newton		1986	6	7.6	6	136	6	46	6	.54	6	.09	--d--	
Conasauga River	02384748	1974-86	141	7.4	140	103	128	46	139	.20	138	.05	136	3.4
near Dalton		1986	12	7.5	12	118	12	57	12	.21	12	.05	12	4.2
Conasauga River	02387050	1974-86	138	7.3	137	165	126	60	137	.48	137	.63	135	6.1
near Resaca		1986	12	7.4	12	203	12	66	12	.45	12	1.3	12	7.6



EXPLANATION

NOTE: 90 PERCENT OF ALL SAMPLES COLLECTED ARE 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.

The 1986 and 1976-85 median values of TIN and TP decrease from stations C (02337170) to G (02339500) for several reasons. First, there are no major waste discharges in this reach. Additionally, both West Point Lake, which lies between stations D (02338000) and G (02339500), and increasing streamflow have a diluting effect on the constituent concentrations. The concentrations also decrease because of waste assimilation in the river and lake. Finally, some particulate phosphorous is removed by sedimentation in West Point Lake.

Water-quality profiles of the Ocmulgee and Altamaha Rivers

River-reach profiles of the Ocmulgee and Altamaha Rivers, shown in figure 3, also depict the effects of drought and waste loading on river quality. The median specific-conductance values for 1986 were near or above the medians for the 1976-85 period, indicating higher dissolved-solids concentrations in the Ocmulgee-Altamaha River system during the year. Sewage-treatment-plant effluent entering the Ocmulgee River between stations B (02212950) and C (02213700) contributes to the increase in TIN and TP concentrations at these two locations. As with the Chattahoochee River, the generally declining concentrations of TIN and TP downstream from station C (02213700) reflect both dilution and waste assimilation along the Ocmulgee and Altamaha Rivers.

Ground Water

During the 1986 water year, a prolonged drought and corresponding increases in pumping resulted in water-level declines throughout the State. Annual mean ground-water levels were from 4 feet higher to 12 feet lower than during the 1985 water year. Of the 26 wells having continuous water-level records selected for this report, 13 had record lows.

In the southwestern part of the State, mean water levels in the Floridan aquifer system (formerly the principal artesian aquifer) were from 2 feet lower to 4 feet higher than during the 1985 water year. In the Clayton aquifer, the mean water level was from 1 foot to 12 feet lower than in 1985. Record low water levels were measured in three wells in July and August 1986.

Along the coast, mean water levels in the Floridan aquifer system were from about the same to 3 feet lower than in the 1985 water year. In Savannah, the mean water level was from 1 foot to 3 feet lower than in 1985, and record lows were measured in 3 wells in July and August 1986. In the Jesup-Riceboro area, the mean water level was from about the same to 2 feet lower than in 1985, and record lows were measured in 4 wells in August and September 1986. The mean water level in the Brunswick area was 3 feet lower than in 1985, and in the Okefenokee Swamp area the mean water level was about the same as in 1985. The mean water level in the shallow water-table aquifer at Savannah was 3 feet higher than in 1985.

In the south-central and east-central parts of the State, the mean water level in the Floridan aquifer system was from 1 foot lower to 2 feet higher than in 1985. Record low water levels were measured in two wells near Valdosta in July and August 1986.

In the crystalline rock aquifers of the Piedmont province, the mean water level was from 1 foot to 2 feet lower than in 1985. A record low water level was measured in one well in the Atlanta area in July 1986.

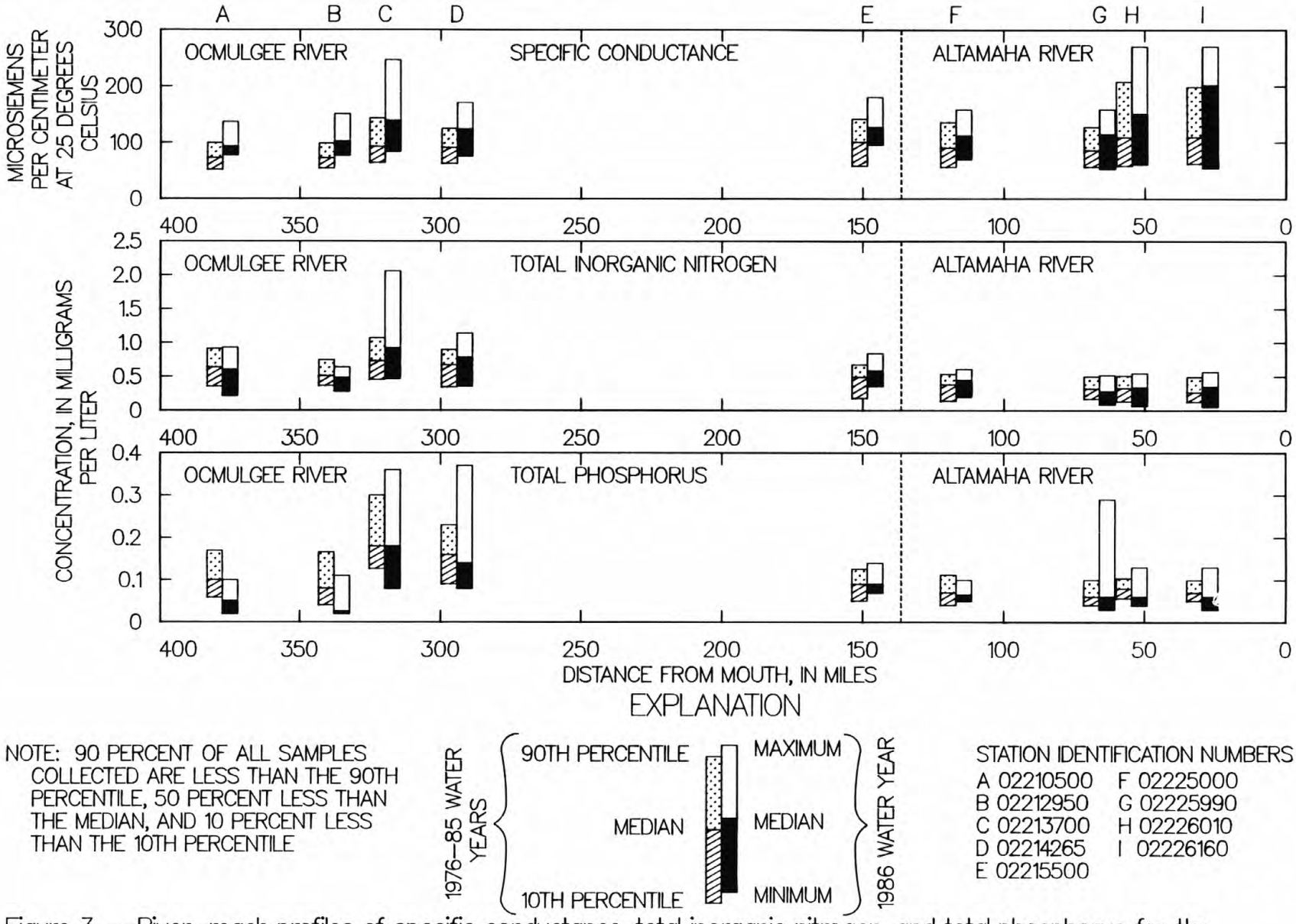
More information concerning water-level fluctuations in the State can be found in open-file reports entitled, "Ground-water data for Georgia, 1985," which includes calendar year 1985, and "Ground-water data for Georgia, 1986," which includes calendar year 1986.

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.



EXPLANATION

NOTE: 90 PERCENT OF ALL SAMPLES COLLECTED ARE 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.

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 informtion 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 1986 water year that began on October 1, 1985, and ended September 30, 1986. 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 5-9. The following sections of the introductory text are presented to provide users with a more detailed explanation of how the hydrologic data published in this report were collected, analyzed, computed, and arranged for presentation.

Station Identification Numbers

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

Downstream Order System

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

Latitude-Longtitude 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 4. 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.

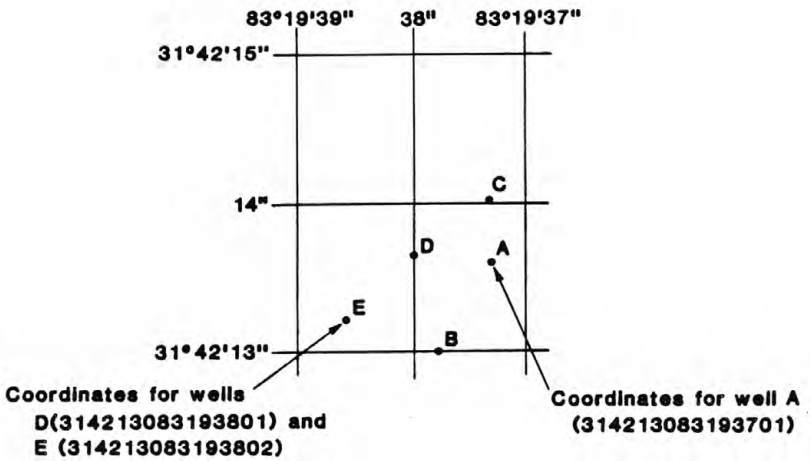


Figure 4.--System for numbering wells and other off-stream sites (latitude and longitude).

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 gage 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 miscelleaneous 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 5, 6, and 7.

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, such 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 mesurements, 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 relationship changes because of deposition of sediment in a lake or reservoir, periodic resurveys may be necessary to redefine the relation.

Data Presentation

The records published for each gaging station consist of two parts, the manuscript or station description and the data table for the current water year. The manuscript provides, under various headings, descriptive information, such as station location; period of record; average discharge; historical extremes; 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 stage. Comments that follow clarify information presented under the various headings of the station description.

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.

AVERAGE DISCHARGE.--The discharge value given is the arithmetic mean of the water-year mean discharges. It is computed only for stations having at least 5 water years of complete record, and only water years of complete record are included in the computation. It is not computed for stations where diversions, storage, or other water-use practices cause the value to be meaningless. If water developments significantly altering flow at a station are put into use after the station has been in operation for a period of years, a new average is computed as soon as 5 water years of record have accumulated following the development.

EXTREMES FOR PERIOD OF RECORD.--Extremes may include maximum and minimum stages and maximum and minimum discharges. Unless otherwise qualified, the maximum discharge is the instantaneous maximum corresponding to the highest stage that occurred. The highest stage may have been obtained from a graphic or digital recorder, a crest-stage gage, or by direct observation of a nonrecording gage. If the maximum stage did not occur on the same day as the maximum discharge, it is given separately. Similarly, the minimum is the instantaneous minimum discharge, unless otherwise qualified, and was determined and is reported in the same manner as the maximum.

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.

EXTREMES FOR CURRENT YEAR.--Extremes given here are similar to those for the period of record, except the peak discharge listing may include secondary peaks. 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. The minimum for the current water year appears below the table of peak data.

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.

The daily table for stream-gaging stations gives mean discharge for each day and is followed by monthly and yearly summaries. In the monthly summary below the daily table, the line headed "TOTAL" gives the sum of the daily figures. The line headed "MEAN" gives the average flow in cubic feet per second during the month. The lines headed "MAX" and "MIN" give the maximum and minimum daily discharges, respectively, for the 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 are ommitted if there is extensive regulation or diversion or if the drainage area includes large noncontributing areas. In the yearly summary below the monthly summary, the figures shown are the appropriate discharges for the calendar and water years. At some stations monthly and(or) yearly observed discharges are adjusted for reservoir storage or diversion, or diversions or reservoir contents are given. These figures are identified by a symbol and corresponding footnote.

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. 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, measurements of discharge, and interpretation of records.

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

Daily mean discharges in this report are given to the nearest hundredth of a cubic foot per second for values less than 1 ft^3/s; to the nearest tenth between 1.0 and 10 ft^3/s; to the nearest whole numbers between 10 and 1,000 ft^3/s; and to 3 significant figures for values more than 1,000 ft^3/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 8.

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 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 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. 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 constitutents measured daily or continuously and those measured less than daily. For those measured daily or continuously, periods of record are given for the constituents individually.

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

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

Remark Codes

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

PRINTED OUTPUT	REMARK
E	Estimated value.
>	Actual value is known to be greater than the value shown.
<	Actual value is known to be less than the value shown.
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 9.

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, 198_". 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 two parts, the station description and the data table of water levels observed during the water year. The station description precedes the tabular data and is presented through use of descriptive headings. The comments to follow clarify information presented under the various headings.

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 water levels of the period of published record, with respect to land-surface datum, and the dates of their occurrence.

A table of water levels follows the station description for each well. Water levels are reported in feet above or below land-surface datum. Missing records are indicated by dashes in place of the water level. The highest, lowest, and mean water levels of the water years are shown on lines below the table.

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 recepticle. 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 samll 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 special 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 fifteen-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 National WATer Data STOrage and REtrieval System (WATSTORE) was established for the management and use of water data collected through the activities of the U.S. Geological Survey and to provide more effective and efficient means of releasing the data to the public. The system is operated and maintained on the central computer facilities of the U.S. Geological Survey at its National Center in Reston, Virginia.

WATSTORE can provide a variety of useful products ranging from simple data tables to complex statistical analyses. A minimal fee, plus the actual computer cost incurred in producing a desired product, is charged to the requester. Information about the availability of specific types of data, the acquisition of data or products, and user charge can be obtained locally from each of the Water Resources Division's District offices (see address given on the back of the title page).

General inquiries about WATSTORE may be directed to:

Chief Hydrologist
U.S. Geological Survey
437 National Center
Reston, VA 22092

DEFINITION OF TERMS

Terms related to streamflow, water-quality, and other hydrologic data, as used in this report, are defined below. See also the table for converting English units to International System of units (SI) on the inside of the back cover.

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

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

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

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

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

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

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

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

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

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

Dissolved is that material in a water sample which passes through a 0.45 µm 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 transmforation from an immature form to an adult form. This develomental 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 (ug/g, µg/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 (UG/L, µg/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:

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

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

Milligrams of oxygen per area or volume per unit time [mg O_2/(m^2·time)] for periphyton and macrophytes and [mg O_2/(m^3·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 radioisotypes. 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 (ft^3/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 wiht 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 from the best maps available at the time planimetered. All areas shown are those for the stage when the planimetered map was made.

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

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

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

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

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

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

Taxonomy is the division of biology concerned with the classification and naming of organisms. The classification of organisms is based upon a hierarchial scheme beginning with Kingdom and ending with Species at the base. The higher the classification level, the fewer features the organisms have in common. For example, the taxomy 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 ON TECHNIQUES OF WATER-RESOURCES INVESTIGATIONS

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

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 E.F. Hubbard, F.A. Kilpatrick, L.A. Martens, and J.F. Wilson, Jr.: USGS--TWRI Book 3, Chapter A9. 1982. 44 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-A13. Computation of continuous records of streamflow, by E.J. Kennedy: USGS--TWRI Book 3, Chapter A13. 1983. 53 pages.

3-A14. Use of flumes in measuring discharge, by F.A. Kilpatrick and V.R. Schneider: USGS--TWRI Book 3, Chapter A14. 1983. 46 pages.

3-A15. Computation of water-surface profiles in open channels, by Jacob Davidian: USGS--TWRI Book 3, Chapter A15. 1984. 48 pages.

3-A16. Measurement of discharge using tracers, by F.A. Kilpatrick and E.D. Cobb: USGS--TWRI Book 3, Chapter A16. 1985. 52 pages.

3-A17. Acoustic velocity meter systems, by Antonius Laenen: USGS--TWRI Book 3, Chapter A17. 1985. 38 pages.

3-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-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 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.W. Skougstad and others, editors: USGS--TWRI Book 5, Chapter A1. 1979. 626 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 analysis of organic substances in water, by D.F. Goerlitz and Eugene Brown: USGS--TWRI Book 5, Chapter A3. 1972. 40 pages.

5-A4. Methods for collection and analysis of aquatic biological and microbiological samples, edited by P.E. Greeson, T.A. Ehlke, G.A. Irwin, B.W. Lium, and K.V. Slack: USGS--TWRI Book 5, Chapter A4. 1977. 332 pages.

5-A5. Methods for determination of radioactive substances in water and fluvial sediments, by L.L. Thatcher, V.J. Janzer, and K.W. Edwards: USGS--TWRI Book 5, Chapter A5. 1977. 95 pages.

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

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

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.

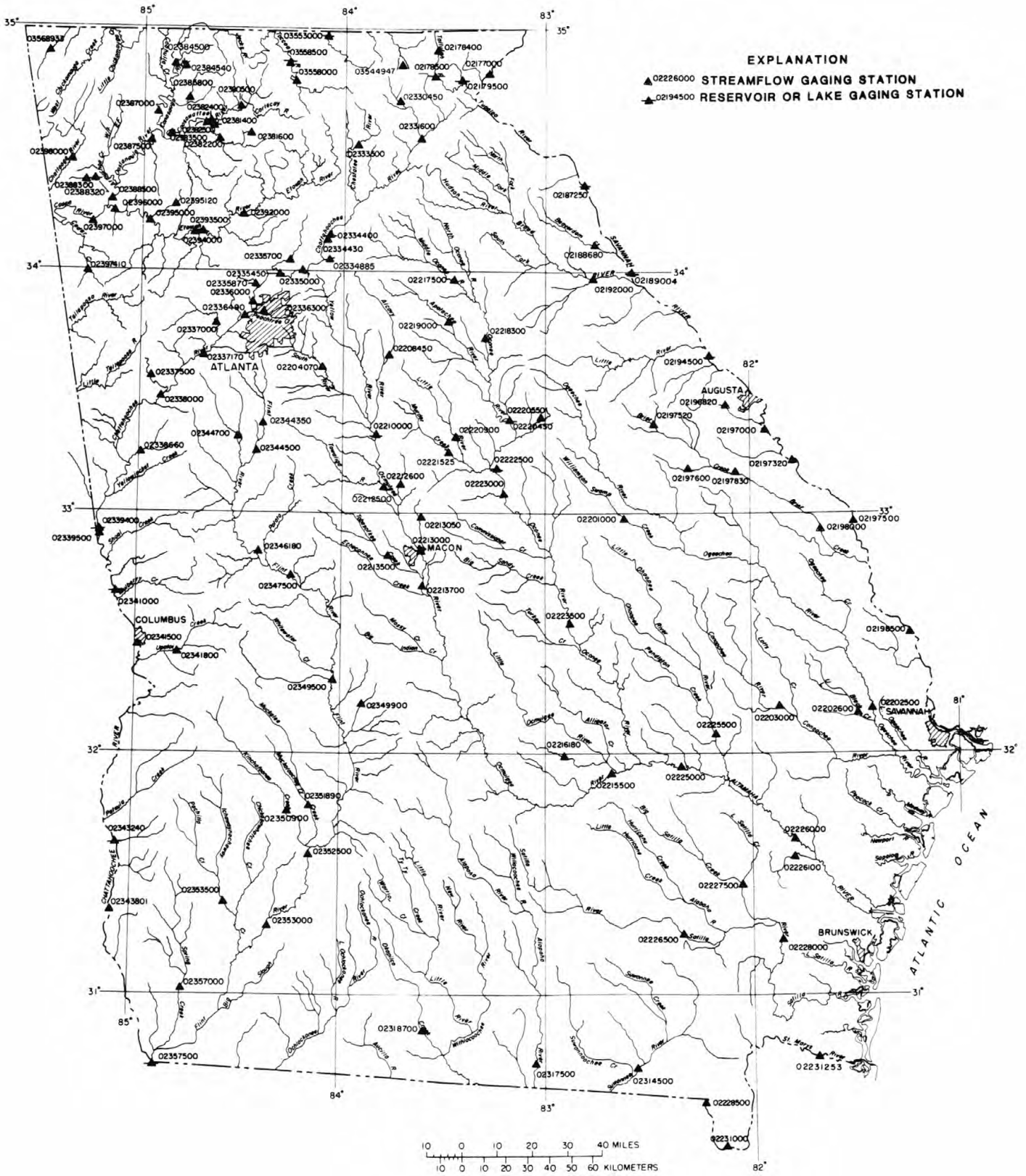


Figure 5.—Location of gaging stations.

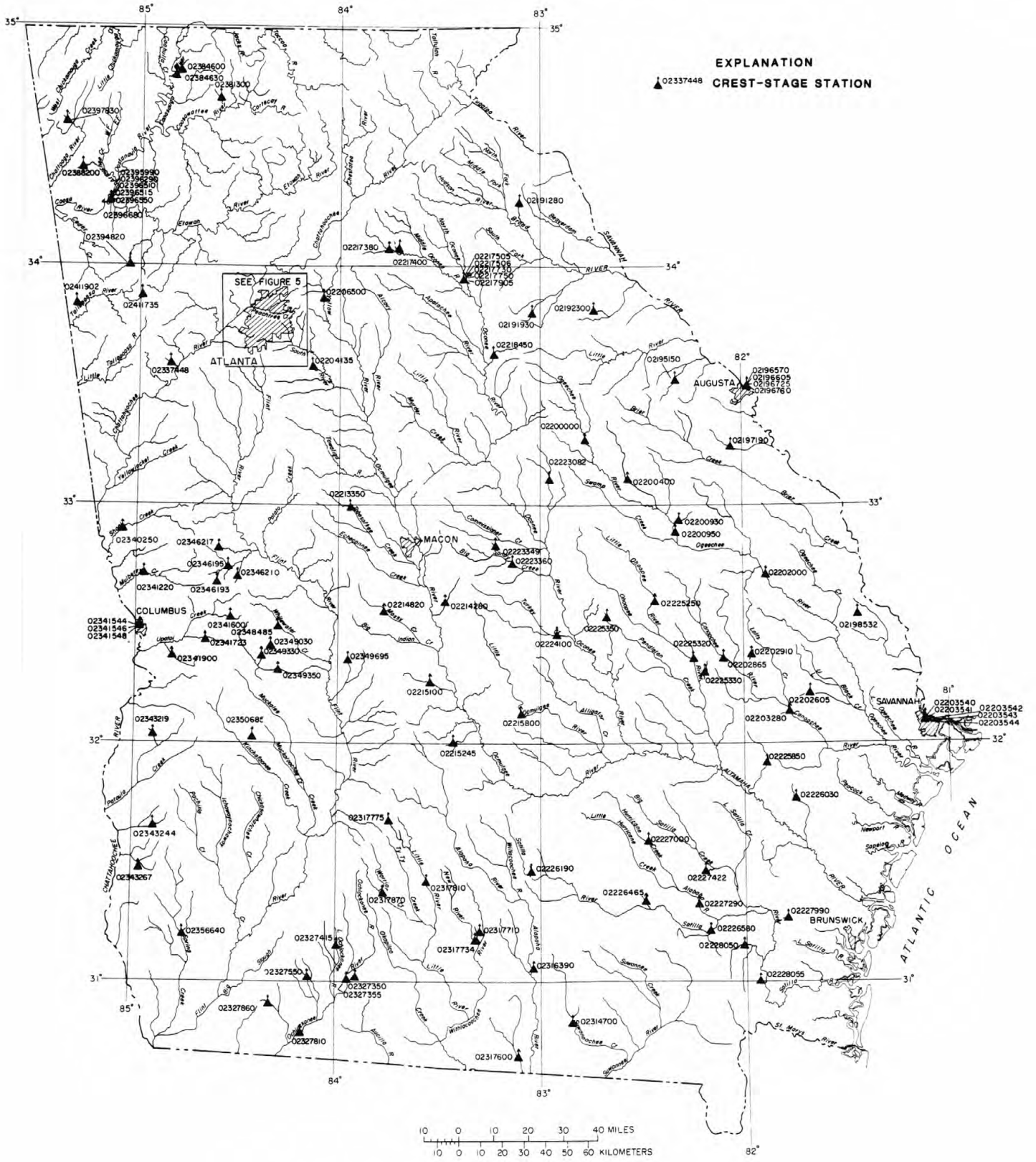


Figure 6.—Location of crest stage partial-record stations.

gure 7.— Location of crest stage partial-record stations in Atlanta metropolitan area.

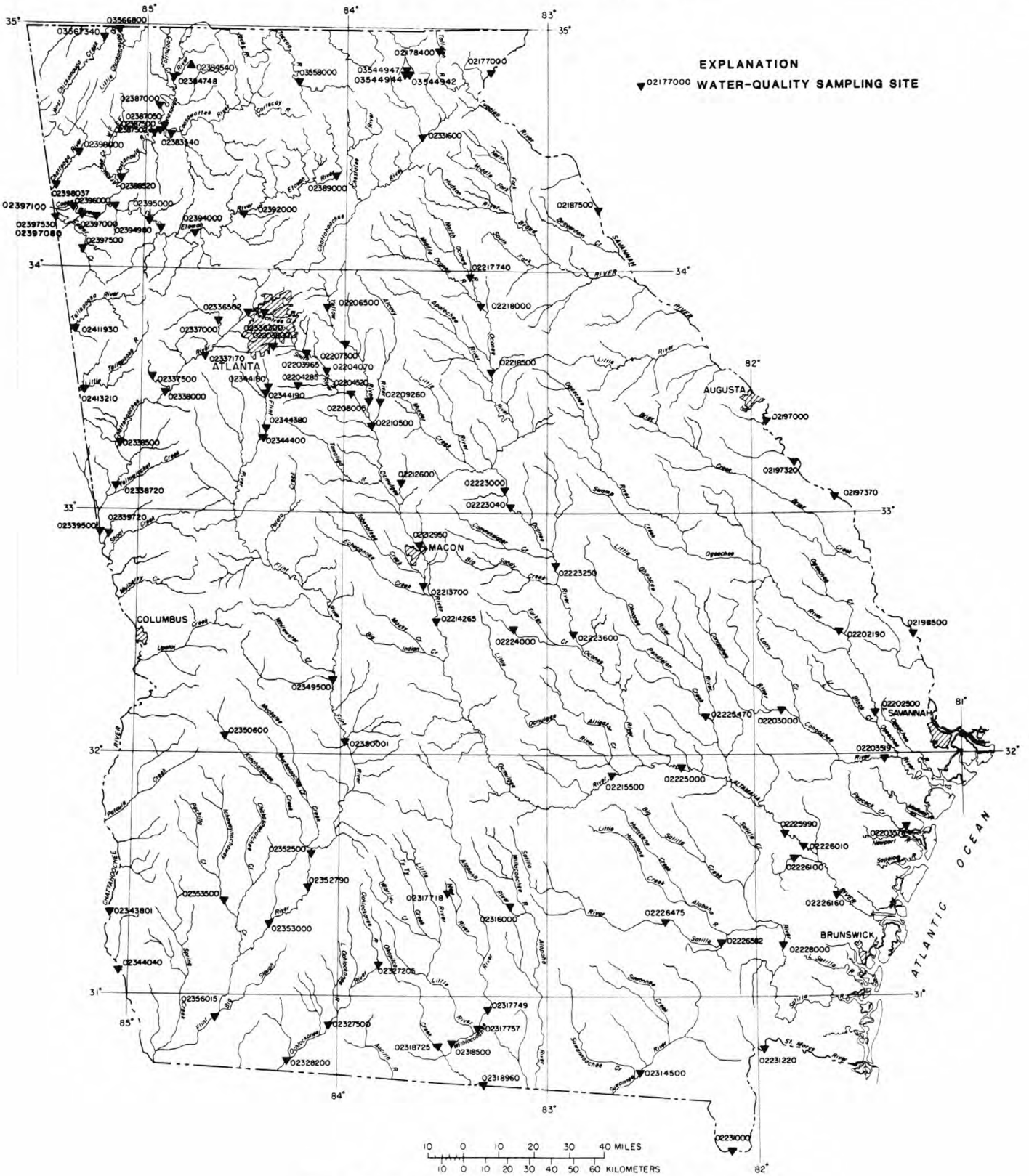


Figure 8.—Location of surface-water-quality stations.

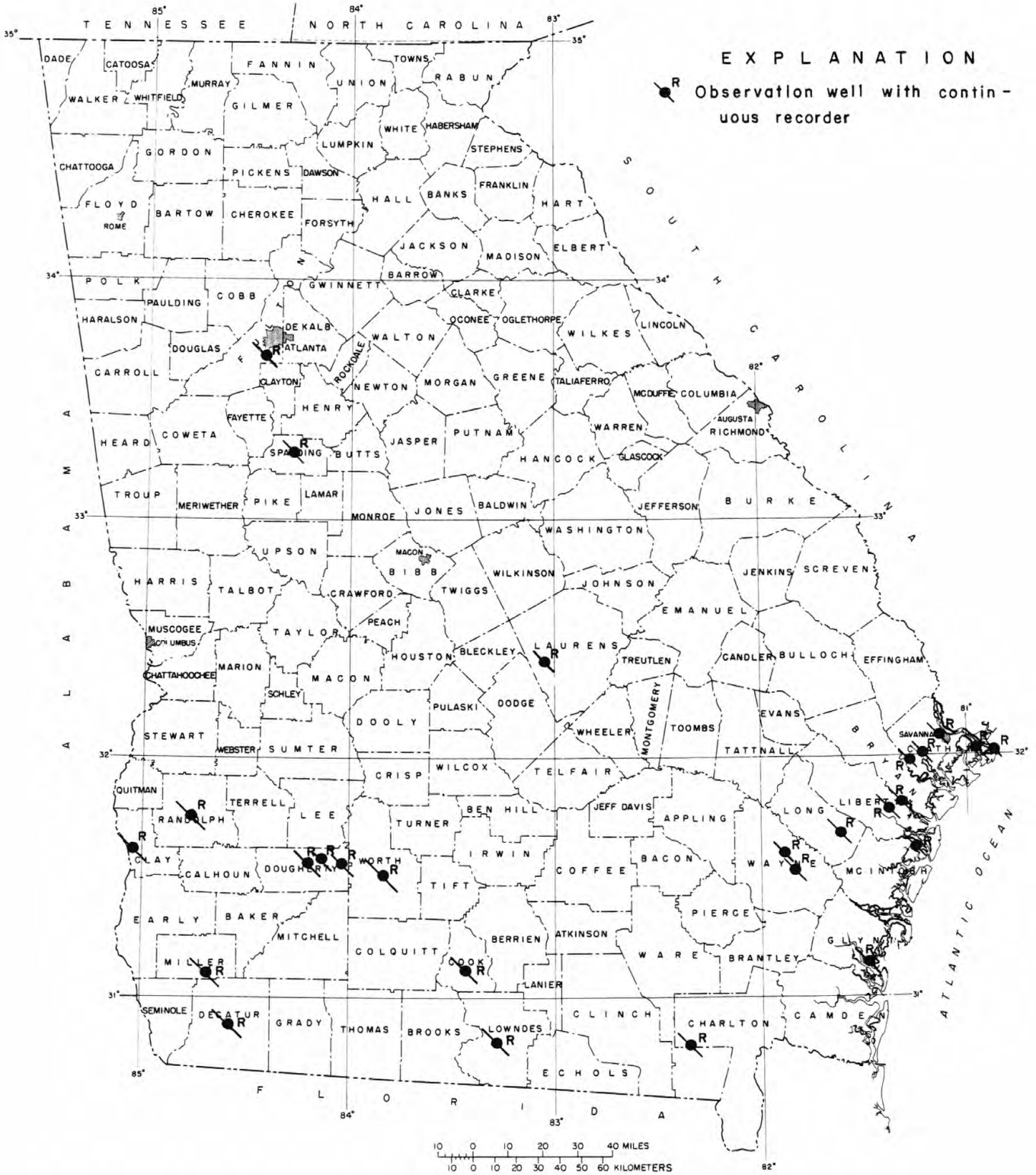


Figure 9.—Location of selected observation wells.

HYDROLOGIC-DATA STATION RECORDS

SURFACE-WATER RECORDS

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

PRINTED OUTPUT	REMARK
E	Estimated value.
>	Actual value is known to be greater than the value shown.
<	Actual value is known to be less than the value shown.
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.

SAVANNAH RIVER BASIN

02177000 CHATTOOGA RIVER NEAR CLAYTON, GA.

LOCATION.--Lat 34°48'50", long 83°18'22", Oconee County, S.C.-Rabun County, Ga., Hydrologic Unit 03060102, on left bank 150 ft downstream from bridge on U.S. Highway 76, 2.8 mi upstream from Stekoa Creek, 7 mi southeast of Clayton, 9 mi downstream from War Woman Creek, and 9 mi upstream from confluence with Tallulah River.
DRAINAGE AREA.--207 mi^2.

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.--No estimated daily discharges. Records good.
AVERAGE DISCHARGE.--47 years (water years 1940-86), 653 ft^3/s, 42.84 in/yr.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 29,000 ft^3/s Aug. 30, 1940, gage height, 13.8 ft, from rating curve extended above 4,700 ft^3/s on basis of slope-area measurements at gage heights 9.9 and 13.2 ft; minimum, 88 ft^3/s Oct. 8, 12, 13, 1954.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 3,400 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)
Nov. 5	1630	*4,850	*4.81

Minimum discharge, 109 ft^3/s Sept. 28, 29, gage height, 0.85 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	259	2730	1420	573	356	349	402	283	327	272	134	262
2	315	1590	1170	455	353	339	396	277	307	254	135	363
3	406	992	912	435	353	339	389	267	364	289	129	395
4	322	884	799	422	349	334	384	262	314	218	128	267
5	277	792	731	410	378	326	374	261	314	196	149	229
6	251	654	682	394	377	322	367	261	297	184	182	332
7	242	575	633	390	395	318	366	266	276	174	160	237
8	240	525	605	381	368	309	396	282	269	167	332	190
9	240	482	580	367	350	307	425	262	308	160	198	168
10	240	461	556	380	349	320	375	251	559	153	148	159
11	235	439	548	374	378	359	362	250	557	149	136	157
12	232	421	617	363	352	352	357	248	429	146	166	169
13	232	418	654	358	333	1030	353	252	339	143	201	181
14	239	404	606	350	332	1440	348	267	305	143	166	154
15	233	388	551	350	357	875	343	254	286	149	155	142
16	228	385	533	347	349	690	333	248	269	179	159	137
17	226	421	516	347	364	596	326	242	257	156	185	139
18	226	389	500	356	693	543	328	272	243	140	178	139
19	213	375	482	665	601	718	323	359	237	134	282	143
20	212	367	472	524	501	770	323	705	232	127	256	139
21	246	470	463	438	453	628	375	394	223	120	221	132
22	402	1210	451	413	427	572	347	301	213	118	203	127
23	316	792	453	399	409	537	318	273	209	161	173	124
24	297	618	448	384	392	511	313	268	202	222	153	122
25	296	555	433	377	384	489	306	259	199	229	138	120
26	265	519	375	423	370	474	316	281	188	243	131	118
27	243	505	441	396	372	463	325	926	181	212	154	117
28	238	484	437	296	362	445	302	732	179	250	157	112
29	226	558	408	436	---	431	317	514	250	188	141	116
30	233	2000	396	392	---	422	294	425	219	158	132	129
31	454	---	439	364	---	414	---	361	---	137	151	---
TOTAL	8284	21403	18311	12559	11057	16022	10483	10503	8552	5571	5333	5319
MEAN	267	713	591	405	395	517	349	339	285	180	172	177
MAX	454	2730	1420	665	693	1440	425	926	559	289	332	395
MIN	212	367	375	296	332	307	294	242	179	118	128	112
CFSM	1.29	3.44	2.86	1.96	1.91	2.50	1.69	1.64	1.38	.87	.83	.86
IN.	1.49	3.85	3.29	2.26	1.99	2.88	1.88	1.89	1.54	1.00	.96	.96

CAL YR 1985 TOTAL 180319 MEAN 494 MAX 2730 MIN 212 CFSM 2.39 IN 32.40
WTR YR 1986 TOTAL 133397 MEAN 365 MAX 2730 MIN 112 CFSM 1.76 IN 23.97

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 determination of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen is by the U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM)	PH (STAND-ARD UNITS)	PH LAB (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	TEMPER-ATURE, AIR (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)
NOV										
14...	1245	406	16	15	6.80	6.40	14.5	27.0	10.0	101
DEC										
04...	1215	790	12	12	6.70	6.60	6.0	9.0	12.2	101
12...	1030	634	12	12	7.10	6.60	14.0	15.0	10.6	106
JAN										
15...	0930	353	13	13	7.10	6.60	1.5	6.0	13.4	97
FEB										
12...	1600	347	13	13	6.60	6.70	7.5	4.0	11.7	102
MAR										
13...	0930	434	16	14	6.80	6.20	14.0	14.0	10.8	108
APR										
16...	1030	335	17	14	6.90	6.50	15.0	13.0	10.2	105
MAY										
21...	0930	399	15	16	6.80	6.40	16.5	17.5	9.6	102
JUN										
18...	1630	240	17	15	7.20	6.50	25.0	27.0	7.9	99
JUL										
17...	1230	155	12	17	7.40	6.80	29.0	35.0	7.0	94
AUG										
12...	1240	155	17	17	7.00	7.30	24.0	23.0	7.9	98
SEP										
17...	1045	139	17	19	7.30	7.10	20.5	18.5	8.9	102

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)	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO2)	ALKA-LINITY LAB (MG/L AS CACO3)	SOLIDS, RESIDUE 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)
NOV									
14...	4.0	--	0.8	<20	1.2	4.0	<1	<0.020	<0.020
DEC									
04...	5.0	--	0.7	110	1.9	5.0	2	0.040	0.040
12...	2.0	--	1.1	<20	0.8	5.0	8	0.040	<0.020
JAN									
15...	<1.0	--	0.7	20	0.9	6.0	<1	<0.020	0.050
FEB									
12...	<1.0	--	1.3	20	2.9	6.0	<1	<0.020	0.050
MAR									
13...	25	--	1.1	170	1.5	5.0	44	0.050	0.050
APR									
16...	3.0	--	0.8	--	1.2	5.0	10	<0.020	0.100
MAY									
21...	21	--	1.9	5	1.5	5.0	20	0.050	0.070
JUN									
18...	5.0	--	1.5	--	0.5	4.0	<1	<0.020	0.050
JUL									
17...	11	3	2.7	20	0.5	6.0	15	<0.020	0.040
AUG									
12...	1.0	4	1.8	<20	1.7	9.0	<1	<0.010	0.050
SEP									
17...	5.0	5	1.4	--	0.8	8.0	13	<0.020	0.040

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 county highway bridge, 120 ft downstream from Persimmon Creek, 8 mi upstream from Burton Dam, and 10.3 mi west of Clayton.
DRAINAGE AREA.--56.5 mi^2.

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.--No estimated daily discharges. Records good.
AVERAGE DISCHARGE.--22 years, 191 ft^3/s, 45.91 in/yr.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 8,500 ft^3/s May 28, 1973, gage height, 12.00 ft; minimum discharge, 28 ft^3/s July 21, 22, 1986.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,200 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)
May 27	0315	*980	*4.42

Minimum discharge, 28 ft^3/s July 21, 22.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	61	464	260	113	78	96	100	72	87	51	37	66
2	71	223	209	97	79	93	99	70	101	58	36	78
3	80	167	173	94	79	93	96	68	99	57	35	80
4	64	143	152	92	77	90	94	68	86	46	33	53
5	58	125	139	89	94	88	93	67	81	45	33	74
6	56	112	129	86	96	87	92	67	76	43	46	58
7	55	103	120	85	98	84	92	67	73	42	42	44
8	55	95	114	82	90	82	119	66	69	41	50	39
9	55	90	109	83	87	82	102	63	68	39	37	37
10	54	87	104	82	87	83	93	63	76	39	37	37
11	53	83	105	80	92	97	91	63	96	38	35	38
12	52	80	128	79	84	87	88	62	69	37	37	57
13	52	79	156	78	81	343	87	67	65	37	36	41
14	52	77	130	76	83	271	86	64	62	41	36	37
15	52	74	120	75	86	203	85	61	60	38	35	36
16	53	78	114	74	84	171	83	61	58	43	45	39
17	52	84	109	75	131	151	82	60	56	36	45	37
18	51	78	106	80	249	138	81	61	56	35	40	38
19	52	75	101	129	177	198	80	106	55	33	41	38
20	51	74	99	93	146	168	85	97	53	32	42	36
21	89	99	95	86	131	152	99	68	51	31	47	34
22	86	159	93	85	120	140	86	63	50	50	38	34
23	82	117	93	82	112	133	81	61	49	49	36	33
24	73	104	92	80	110	126	80	60	49	50	34	33
25	69	97	87	83	104	120	78	66	49	60	32	32
26	61	93	82	97	100	117	77	78	46	94	32	32
27	59	91	79	83	110	114	76	420	45	73	36	31
28	59	102	82	87	100	109	79	176	50	56	37	34
29	55	147	83	87	---	107	77	131	57	43	32	35
30	72	429	82	81	---	104	73	109	51	38	31	33
31	103	---	122	79	---	101	---	96	---	36	47	---
TOTAL	1937	3829	3667	2672	2965	4028	2634	2701	1943	1411	1180	1294
MEAN	62.5	128	118	86.2	106	130	87.8	87.1	64.8	45.5	38.1	43.1
MAX	103	464	260	129	249	343	119	420	101	94	50	80
MIN	51	74	79	74	77	82	73	60	45	31	31	31
CFSM	1.11	2.27	2.09	1.53	1.88	2.30	1.55	1.54	1.15	.81	.67	.76
IN.	1.28	2.52	2.41	1.76	1.95	2.65	1.73	1.78	1.28	.93	.78	.85

CAL YR 1985 TOTAL 42010 MEAN 115 MAX 672 MIN 51 CFSM 2.04 IN 27.66
WTR YR 1986 TOTAL 30261 MEAN 82.9 MAX 464 MIN 31 CFSM 1.47 IN 19.92

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM)	PH (STAND-ARD UNITS)	PH LAB (STAND-ARD UNITS)	TEMPER-ATURE WATER (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)
FEB									
25...	1230	104	16	22	7.10	7.90	5.0	11.6	98
AUG									
12...	1100	37	21	24	6.90	7.50	20.0	8.2	97

DATE	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (NTU)	HARD-NESS (MG/L AS CACO3)	HARD-NESS NONCARB WH WAT TOT LAB 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)	PERCENT SODIUM	SODIUM AD-SORP-TION RATIO	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY LAB (MG/L AS CACO3)	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO2)
FEB												
25...	5	1.2	5	0	1.3	0.40	1.3	34	0.3	0.50	6.0	0.9
AUG												
12...	5	4.1	7	0	1.8	0.60	1.7	32	0.3	0.80	10	2.4

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)	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)
FEB												
25...	1.3	0.90	<0.10	8.6	17	18	4.8	0.02	<0.100	<0.100	0.020	0.030
AUG												
12...	1.8	0.70	<0.10	11	16	25	1.6	0.02	0.100	<0.100	<0.010	<0.010

DATE	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)	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)
FEB											
25...	0.18	0.27	0.20	0.30	--	<0.010	0.010	1.3	20	<1	<1
AUG											
12...	--	--	0.20	0.30	0.30	0.020	<0.010	2.0	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)
FEB											
25...	<1	<10	1	25	2	3	4	0.20	0.2	<1	12
AUG											
12...	<1	<10	3	71	<5	<5	10	0.30	1.0	<1	12

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 mi^2.
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 determination of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen is 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 1985 TO SEPTEMBER 1986

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM)	SPECIFIC CONDUCTANCE LAB (US/CM)	PH (STANDARD UNITS)	PH LAB (STANDARD UNITS)	TEMPERATURE (DEG C)	TEMPERATURE, AIR (DEG C)	OXYGEN, DISSOLVED (MG/L)	OXYGEN, DISSOLVED (PERCENT SATURATION)
NOV									
14...	1000	38	38	6.80	6.40	16.0	19.0	6.8	69
FEB									
12...	1345	33	32	7.20	7.00	9.0	10.0	11.2	100
MAY									
21...	0730	41	37	7.30	7.00	22.0	17.0	9.3	108
AUG									
19...	1500	38	38	7.70	7.60	26.0	31.0	8.3	104

DATE	TURBIDITY (NTU)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	COLIFORM, FECAL, EC BROTH (MPN)	CARBON DIOXIDE DISSOLVED (MG/L AS CO2)	ALKALINITY LAB (MG/L AS CACO3)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)
NOV										
14...	5.0	1.3	<20	3.7	12	0.080	<0.020	<0.020	30	<10
FEB										
12...	2.0	1.0	<20	1.3	11	0.090	0.040	<0.020	130	25
MAY										
21...	5.0	2.0	<20	1.1	11	<0.020	0.100	<0.020	80	20
AUG										
19...	4.0	--	<20	0.5	12	<0.020	0.040	0.030	60	15

02188680 BEAVERDAM CREEK NEAR ELBERTON, GA.

LOCATION.--Lat 34°08'29", long 82°51'15", Elbert County, Hydrologic Unit 03060103, on right bank at City of Elberton water plant, 0.5 mi southwest of bridge on State Highway 77, 0.5 mi upstream of Carters Creek, and 2.2 mi northeast of Elberton, Ga.
DRAINAGE AREA.--78 mi^2 (revised).
PERIOD OF RECORD.--October 1984 to June 1986 (discontinued).
GAGE.--Water-stage recorder. Elevation of gage is 490 ft above National Geodetic Vertical Datum of 1929 (from topographic map).
REMARKS.--Estimated daily discharge: June 30. Records good, except those less than 18 ft^3/s, which are poor. Some diversion at gage for municipal water supply.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 546 ft^3/s Dec. 1, 1985, gage height, 6.39 ft; minimum daily discharge, 4.7 ft^3/s June 27, 1986.
EXTREMES FOR CURRENT PERIOD.--October 1985 to June 1986: Maximum discharge during period, 546 ft^3/s, Dec. 1, gage height, 6.39 ft; minimum daily discharge, 4.7 ft^3/s, June 27.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	29	41	382	56	40	38	39	24	25			
2	42	52	199	53	40	36	38	24	21			
3	40	52	139	49	39	36	37	23	20			
4	37	46	107	48	39	35	36	22	19			
5	32	38	90	46	40	35	35	20	19			
6	28	35	80	44	43	34	36	20	18			
7	25	32	71	43	42	34	35	20	18			
8	24	31	66	42	41	33	37	21	17			
9	24	30	62	43	40	33	39	20	17			
10	24	29	59	43	43	34	35	20	20			
11	24	29	57	43	48	36	33	19	26			
12	24	29	58	43	44	36	33	19	20			
13	23	30	69	42	42	45	33	24	17			
14	23	30	80	41	41	62	32	27	15			
15	23	29	67	40	45	56	31	26	15			
16	23	30	62	40	44	49	29	23	15			
17	23	30	59	40	47	44	29	22	12			
18	23	30	57	43	48	41	28	21	11			
19	23	30	56	52	47	63	30	29	9.0			
20	23	33	54	51	45	89	33	28	8.8			
21	24	64	53	46	42	75	43	28	8.4			
22	62	131	53	43	42	62	37	24	7.5			
23	54	83	53	42	42	55	32	22	6.2			
24	41	63	53	40	40	50	30	20	6.0			
25	33	52	50	39	38	48	29	20	5.4			
26	30	48	50	44	38	46	29	25	5.5			
27	28	46	49	44	38	45	28	27	4.7			
28	28	43	49	44	38	45	27	29	6.3			
29	27	47	49	43	---	42	26	63	7.0			
30	25	213	48	41	---	41	25	36	7.0			
31	27	---	48	40	---	40	---	28	---			
TOTAL	916	1476	2429	1368	1176	1418	984	774	406.8			
MEAN	29.5	49.2	78.4	44.1	42.0	45.7	32.8	25.0	13.6			
MAX	62	213	382	56	48	89	43	63	26			
MIN	23	29	48	39	38	33	25	19	4.7			
CFSM	.33	.55	.88	.49	.47	.51	.37	.28	.15			
IN.	.38	.61	1.01	.57	.49	.59	.41	.32	.17			

CAL YR 1985 TOTAL 19905 MEAN 54.5 MAX 391 MIN 17 CFSM .61 IN 8.26

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 mi^2, approximately.
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.--No estimated daily discharges. Records good. Records of chemical analyses for the 1970-79 water years are in reports of the U.S. Geological Survey.
AVERAGE DISCHARGE.--55 years (water years 1927-32, 1938-86), 1,792 ft^3/s, 17.02 in/yr.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 79,400 ft^3/s Oct. 2, 1929, gage height, 34.8 ft, from rating curve extend above 30,000 ft^3/s on basis of slope-conveyance studies; minimum daily, 96 ft^3/s July 23, 1986.
EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known since at least 1926, that of Oct. 2, 1929.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 14,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)
Dec. 1	0530	*8,560	*13.31

Minimum daily discharge, 96 ft^3/s July 23.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	389	754	7720	1040	793	831	916	576	533	207	151	224
2	614	1370	4170	1110	777	805	893	561	443	203	134	283
3	810	1260	2590	971	767	791	873	539	377	198	127	405
4	747	1160	1880	900	763	786	858	521	462	190	125	505
5	652	1010	1560	868	766	780	838	511	464	181	118	525
6	564	866	1390	844	801	769	819	504	391	171	116	550
7	504	776	1260	822	837	761	806	503	347	165	119	517
8	479	730	1170	818	807	754	817	518	319	158	117	418
9	467	694	1120	802	770	738	978	534	311	150	116	316
10	462	667	1080	798	779	742	970	508	454	137	110	265
11	455	657	1060	814	1210	774	852	486	645	128	108	247
12	449	657	1050	813	1240	793	794	472	512	119	129	256
13	436	675	1340	798	1000	845	771	468	418	111	410	329
14	425	681	1760	788	893	1540	757	561	354	107	1410	404
15	425	672	1410	774	937	2000	740	591	324	103	639	341
16	424	663	1200	767	984	1520	726	534	317	112	409	269
17	421	652	1120	766	937	1320	699	505	319	121	287	242
18	423	647	1070	790	987	1190	680	480	295	120	249	243
19	420	643	1040	1340	1110	1250	672	516	275	111	235	304
20	422	650	998	1500	1080	2750	670	638	258	104	217	356
21	431	1020	979	1060	1010	2800	758	666	249	98	209	334
22	806	3180	970	885	957	1950	851	590	236	110	202	287
23	1670	3140	945	825	930	1550	763	509	224	96	214	246
24	1170	1790	943	792	899	1360	695	465	213	102	207	236
25	839	1280	932	766	873	1240	668	436	205	118	180	229
26	711	1100	906	824	850	1160	656	465	204	165	161	212
27	645	1010	869	997	838	1110	641	522	199	391	153	198
28	616	957	889	916	844	1060	621	809	192	364	176	188
29	609	966	907	800	---	1010	606	1150	195	276	214	180
30	582	3350	898	826	---	966	594	921	203	226	192	176
31	571	---	888	818	---	939	---	693	---	180	195	---
TOTAL	18638	33677	46114	27632	25439	36884	22982	17752	9938	5022	7429	9285
MEAN	601	1123	1488	891	909	1190	766	573	331	162	240	310
MAX	1670	3350	7720	1500	1240	2800	978	1150	645	391	1410	550
MIN	389	643	869	766	763	738	594	436	192	96	108	176
CFSM	.42	.79	1.04	.62	.64	.83	.54	.40	.23	.11	.17	.22
IN.	.48	.88	1.20	.72	.66	.96	.60	.46	.26	.13	.19	.24

CAL YR 1985 TOTAL 440141 MEAN 1206 MAX 11800 MIN 387 CFSM .84 IN 11.45
WTR YR 1986 TOTAL 260792 MEAN 714 MAX 7720 MIN 96 CFSM .50 IN 6.78

02196820 BUTLER CREEK AT FORT GORDON, GA.

LOCATION.--Lat 33°26'33", long 82°07'43", Richmond County, Hydrologic Unit 03060106, on upstream side of bridge 600 ft upstream from U.S. Highways 78 and 278 at Fort Gordon.
DRAINAGE AREA.--7.5 mi^2.
PERIOD OF RECORD.--October 1968 to current year.
REVISED RECORDS.--WDR GA-83-1: 1970(M), 1972(M), 1975-78(M), 1980(M), 1982(M).
GAGE.--Water-stage recorder. Elevation of gage is 280 ft above National Geodetic Vertical Datum of 1929 (from topographic map).
REMARKS.--No estimated daily discharge. Records good, except those below 1.0 ft^3/s, which are fair.
AVERAGE DISCHARGE.--18 years, 8.14 ft^3/s, 14.74 in/yr.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 500 ft^3/s Mar. 3, 1971, gage height, 7.00 ft, from floodmark; minimum daily discharge, 0.08 ft^3/s July 14, 1986.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 150 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)
Nov. 22	0945	*259	5.03

Minimum daily discharge, 0.08 ft^3/s July 14.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.8	21	16	6.8	5.5	5.4	5.1	2.1	1.8	.82	.32	5.1
2	66	8.2	13	6.2	5.6	5.4	5.0	1.9	1.5	1.0	.63	2.8
3	9.5	5.9	8.5	6.2	5.5	5.9	4.8	1.5	1.4	2.1	.46	2.2
4	18	5.9	7.8	6.0	5.4	5.9	4.8	1.3	2.0	1.1	.27	2.2
5	16	4.9	7.7	6.3	8.1	5.5	4.7	1.3	2.8	.64	.23	3.1
6	6.2	4.2	7.6	5.8	14	5.3	4.7	1.3	2.0	.52	.31	2.8
7	4.3	4.0	7.1	5.8	9.5	5.1	4.5	2.4	1.3	.46	.60	2.3
8	3.7	3.8	7.0	5.6	6.5	4.9	7.8	10	3.1	.41	.56	1.5
9	3.7	3.6	7.0	5.5	6.1	5.0	9.4	6.5	6.5	.32	.38	1.2
10	3.3	3.9	6.8	6.4	20	5.3	5.3	2.0	2.3	.22	.26	1.1
11	3.9	3.9	6.7	7.5	30	5.5	4.7	1.3	1.8	.18	.22	1.2
12	3.5	6.6	8.0	6.1	10	5.1	4.4	1.6	1.4	.20	.88	1.1
13	3.1	7.6	21	5.8	8.1	9.5	4.4	12	.99	.11	2.9	1.0
14	3.0	5.5	9.7	5.5	7.6	41	4.1	8.0	.86	.08	4.7	.80
15	3.7	5.0	7.5	5.5	7.7	11	3.9	3.2	1.2	2.0	3.4	.67
16	6.4	5.0	7.2	5.5	6.9	7.6	3.7	2.0	.99	1.2	1.4	.65
17	5.2	5.0	7.0	5.7	6.7	6.6	3.6	1.6	.79	1.8	.89	.65
18	5.1	4.8	6.8	9.7	7.2	6.0	3.6	1.0	.64	.84	.79	.73
19	4.9	4.8	6.5	22	6.9	28	3.5	.87	.59	.52	1.0	.76
20	4.7	7.1	6.4	8.6	6.6	27	3.4	1.2	.92	.35	11	.82
21	4.5	21	6.4	7.0	6.3	12	3.9	.84	.89	.26	5.0	.72
22	6.0	115	6.3	6.4	6.3	8.5	3.6	.65	.62	.22	2.3	.65
23	7.7	21	6.5	6.1	6.4	7.5	3.2	.48	.49	.31	1.3	.61
24	5.2	12	6.4	5.7	5.8	7.0	3.2	.42	.42	.28	.96	.60
25	4.2	10	6.1	5.7	5.7	6.6	3.2	.36	.36	.60	.80	.57
26	3.8	11	5.7	7.4	5.6	6.5	3.0	6.8	.32	2.1	.79	.54
27	4.5	9.2	6.1	6.2	6.0	6.4	3.3	50	.31	1.0	.80	.53
28	6.2	8.1	6.6	5.6	5.6	5.9	3.1	10	.48	.59	5.0	.46
29	4.8	9.5	7.2	6.0	---	5.5	2.7	4.9	3.8	.47	8.2	.43
30	4.0	25	6.1	6.5	---	5.5	2.5	3.4	1.6	.39	12	.49
31	14	---	6.2	5.7	---	5.3	---	2.3	---	.30	11	---
TOTAL	247.9	362.5	244.9	210.8	231.6	277.7	127.1	143.22	44.17	21.39	79.35	38.28
MEAN	8.00	12.1	7.90	6.80	8.27	8.96	4.24	4.62	1.47	.69	2.56	1.28
MAX	66	115	21	22	30	41	9.4	50	6.5	2.1	12	5.1
MIN	3.0	3.6	5.7	5.5	5.4	4.9	2.5	.36	.31	.08	.22	.43
CFSM	1.07	1.61	1.05	.91	1.10	1.20	.57	.62	.20	.09	.34	.17
IN.	1.23	1.80	1.21	1.05	1.15	1.38	.63	.71	.22	.11	.39	.19

CAL YR 1985 TOTAL 2759.36 MEAN 7.56 MAX 115 MIN .54 CFSM 1.01 IN 13.68
WTR YR 1986 TOTAL 2028.91 MEAN 5.56 MAX 115 MIN .08 CFSM .74 IN 10.06

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 mi^2, 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.--Water-stage recorder. Datum of gage is 96.58 ft, National Geodetic Vertical Datum of 1929 (U.S. Army Corps of Engineers bench mark). Oct. 1, 1883 to Dec. 31, 1891, Jan. 1, 1896 to Dec. 31, 1906, Jan. 1, 1925 to Sept. 30, 1932, nonrecord 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.--No estimated daily discharge. Records good. Flow regulated by Lake Burton, Mathis Reservoir, Hartwell Lake, Richard B. Russell Reservoir, and Clarks Hill Reservoir. (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.
AVERAGE DISCHARGE.--79 years (1884-91, 1897-1906, 1926-86), 10,113 ft^3/s, 18.29 in/yr, unadjusted.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 350,000 ft^3/s Oct. 3, 1929; maximum gage height, 46.3 ft Sept. 27, 1929 (at site and datum then in use); minimum discharge, 648 ft^3/s Sept. 24, 1939, from rating curve extended below 1,400 ft^3/s minimum daily, 1,040 ft^3/s Oct. 2, 1927.
EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum flood known occurred in 1796, discharge, 360,000 ft^3/s, gage height, 40 ft, marked by local residents, at site and datum of Fifth Street gage, by conveyance-slope study.
EXTREMES FOR CURRENT YEAR.--Maximum discharge, 21,000 ft^3/s Oct. 3, gage height, 15.74 ft; minimum daily discharge, 4,590 ft^3/s Sept. 9.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5340	6210	11100	6740	7130	5920	5400	5220	5720	5740	5780	5360
2	9040	6410	11600	7700	6350	5890	5580	5300	5060	6480	5630	5120
3	16000	7020	10400	7530	5910	5960	5830	5440	5070	5780	5240	5440
4	11700	6470	8890	7250	5690	5990	5980	5150	5140	5640	5210	6330
5	13900	6080	7470	6550	6790	5620	6010	5140	5220	5560	5340	7000
6	10400	6010	6710	6250	7790	5520	5780	5370	5270	5170	5370	5990
7	6800	5900	6190	7680	7360	5690	5580	5290	5270	5110	5880	5520
8	5780	5720	5690	7600	6010	5540	5520	5210	5200	5290	6200	5160
9	5520	5570	5520	8280	5500	5330	5510	5310	5280	7770	6220	4590
10	5490	5480	5740	7410	6060	5240	5590	5300	5480	7780	5570	5560
11	5480	5540	5850	6400	8350	5250	5730	5180	5630	5800	5440	6330
12	5650	5560	5680	6000	9830	5330	6160	5150	6130	5110	5240	6470
13	5400	5560	5720	5670	9170	5450	5820	5320	6360	4950	6100	5380
14	5330	5540	5700	6840	6670	6160	5190	5450	5860	4810	8990	4850
15	5440	5580	5740	8640	7080	7820	5240	5930	5580	4750	7230	4720
16	5350	5610	6000	9110	6320	9310	5490	5510	5280	4940	6220	4890
17	5350	5650	6340	9060	6040	6870	5590	5470	5130	6660	5650	5130
18	5170	6360	5960	7840	6830	5980	5610	5060	5760	7890	5200	5700
19	5180	5700	5720	6730	7040	6010	5510	5140	7040	7480	5130	6150
20	5230	5690	5640	7850	6580	8780	5480	5140	7250	6150	5620	5850
21	5190	5740	5910	8900	6100	15200	5390	5100	6600	5350	8260	5260
22	5230	7460	5740	8870	5750	11100	5660	5890	6440	5770	8040	5140
23	5450	13700	5620	8650	5820	7810	5610	5450	6010	6560	6400	4900
24	5720	13500	5630	8330	5650	5990	5550	5160	5950	5600	5540	5080
25	5730	8480	5550	7560	5700	5750	5310	5080	8490	5900	5140	6200
26	5610	6210	5620	6410	5760	5640	5320	4900	6620	6780	4650	6110
27	5500	6470	5370	6580	5860	5490	5280	5150	6000	5830	5160	5910
28	5460	6460	5170	6220	5920	5450	5410	5950	5530	5900	7950	5070
29	5400	6480	5060	7180	---	5400	5320	7950	5480	5460	7560	5110
30	5610	6930	5210	7790	---	5570	5270	6010	5170	6160	6650	5150
31	5560	---	5910	7660	---	5500	---	7130	---	6410	6250	---
TOTAL	204010	199090	198450	231280	185060	202560	166720	169850	175020	184580	188860	165470
MEAN	6581	6636	6402	7461	6609	6534	5557	5479	5834	5954	6092	5516
MAX	16000	13700	11600	9110	9830	15200	6160	7950	8490	7890	8990	7000
MIN	5170	5480	5060	5670	5500	5240	5190	4900	5060	4750	4650	4590

CAL YR 1985	TOTAL	2393200	MEAN 6557	MAX	23700	MIN	4750	MEAN†	6996	CFSM†	.93	IN†	12.65
WTR YR 1986	TOTAL	2270950	MEAN 6222	MAX	16000	MIN	4590	MEAN†	4840	CFSM†	.64	IN†	8.75

†ADJUSTED FOR CHANGE IN CONTENTS IN LAKE BURTON, MATHIS RESERVOIR, HARTWELL LAKE, RICHARD B. RUSSELL RESERVOIR, AND CLARKS HILL RESERVOIR.

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.
PERIOD OF DAILY RECORD.--
WATER TEMPERATURE: October 1973 to September 1986 (discontinued).
INSTRUMENTATION.--Water-temperature recorder since October 1973.
EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURE: Maximum, 26.5°C Aug. 14-17, 1981; minimum, 4.5°C Jan. 30, 31, Feb. 2, 4, 1977, Feb. 19, 20, 1979, Jan. 12, 1982, Jan. 29, 1986.
EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURE: Maximum, 25.0°C July 16, Aug. 19-20, 25-27; minimum, 4.5°C Jan. 29.

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

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

02197000 SAVANNAH RIVER AT AUGUSTA, GA.--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	15.5	15.5	18.5	18.0	21.0	19.0	23.5	22.5	23.0	22.0	20.0	19.0
2	16.0	15.5	19.0	18.0	21.5	20.0	23.5	21.5	23.5	23.0	20.5	19.5
3	16.0	15.0	18.5	18.0	22.0	21.0	22.0	21.5	24.0	23.5	21.5	20.5
4	16.0	15.5	18.0	17.5	21.5	20.0	22.0	21.5	23.5	23.0	21.5	21.0
5	16.0	15.5	18.0	17.5	20.0	19.0	22.0	21.5	23.5	23.0	21.5	21.0
6	16.0	16.0	18.5	18.0	20.0	19.5	22.0	21.0	23.5	23.0	21.5	21.0
7	16.5	16.0	18.5	18.5	20.5	20.0	23.0	21.5	23.0	22.5	22.5	21.5
8	16.5	16.0	18.5	18.0	21.5	21.0	23.5	22.0	23.0	22.5	23.0	22.0
9	16.0	15.0	18.5	18.0	22.5	21.5	23.5	21.5	23.0	22.5	23.5	22.5
10	15.0	14.5	18.5	18.5	22.5	22.5	21.5	19.5	23.0	22.5	23.0	23.0
11	14.5	14.0	18.5	18.0	23.0	22.5	21.5	21.5	24.0	23.0	23.0	22.0
12	15.5	14.5	18.5	18.0	22.5	22.0	23.0	21.5	24.5	24.5	22.5	21.5
13	16.0	15.0	19.0	18.0	22.5	20.5	24.0	23.0	24.5	23.0	22.5	22.0
14	16.5	15.5	19.0	18.5	22.5	21.0	24.5	24.0	23.0	21.0	23.0	22.0
15	16.5	16.0	19.0	18.5	22.0	21.5	24.5	24.0	22.5	20.5	23.5	22.0
16	16.0	15.5	19.0	18.5	22.5	21.5	25.0	24.0	23.0	22.0	23.5	23.0
17	15.5	15.0	19.5	18.5	23.5	22.5	24.0	22.5	23.5	23.5	23.5	23.0
18	15.0	14.5	20.0	19.0	23.0	22.0	23.0	20.5	24.5	23.5	23.0	22.0
19	16.5	15.0	20.5	19.5	22.0	20.0	22.5	20.5	25.0	24.5	22.0	21.0
20	16.5	16.5	20.5	20.0	21.0	19.5	22.5	21.5	25.0	23.0	21.5	21.0
21	17.0	16.5	20.0	19.5	21.0	20.0	24.0	22.0	23.0	21.0	22.5	21.5
22	16.5	16.0	19.5	19.0	21.5	21.0	24.0	23.5	23.0	21.5	23.5	22.5
23	16.0	15.5	19.0	18.0	21.0	20.5	24.0	22.5	23.0	22.0	24.5	23.5
24	15.5	15.0	20.0	19.0	22.5	21.0	23.0	21.5	24.0	23.0	24.0	23.5
25	16.5	15.5	20.5	20.0	22.5	20.0	22.5	21.5	25.0	23.5	23.5	22.5
26	17.5	16.5	21.5	20.0	21.0	19.0	22.0	21.0	25.0	24.5	23.5	22.5
27	18.0	17.0	21.5	21.0	22.0	21.0	22.0	21.5	25.0	24.0	23.5	23.0
28	19.0	18.0	21.0	20.0	22.5	21.0	23.5	22.0	23.5	22.5	24.0	23.5
29	18.5	18.5	20.5	19.5	22.0	21.0	24.0	24.0	23.0	22.0	24.5	23.0
30	19.0	18.5	20.0	18.5	22.5	22.0	24.5	23.5	21.5	20.0	24.5	24.0
31	---	---	21.0	20.0	---	---	23.5	22.0	20.0	19.0	---	---
MONTH	19.0	14.0	21.5	17.5	23.5	19.0	25.0	19.5	25.0	19.0	24.5	19.0
YEAR	25.0	4.5										

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 1.4 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 ft^3/s, only.
GAGE.--Water-stage recorder. Datum of gage is 77.0 ft, National Geodetic Vertical Datum of 1929.
REMARKS.--No estimated daily discharge. Records good. Flow regulated by Lake Burton, Mathis Reservoir, Hartwell Lake, Richard B. Russell Reservoir, and Clarks Hill Reservoir. (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 ft^3/s Dec. 9, 1981.
EXTREMES FOR CURRENT YEAR.--Maximum discharge, 15,900 ft^3/s; Nov. 24; maximum gage height, 14.29 ft; minimum daily discharge 4,760 ft^3/s Sept. 16.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5010	5960	9190	6200	7700	6330	5670	5260	6820	5140	5970	6110
2	5460	6640	12600	6900	7150	6310	5650	5210	5310	6000	5610	5400
3	13400	6900	11400	7790	6350	6000	5870	5310	5020	5910	5370	5250
4	13300	6820	10800	7240	6160	6230	6170	5250	5010	5510	5150	5920
5	13900	6320	8350	6930	5990	5950	6140	5170	5120	5400	5200	6810
6	13200	5970	7610	6240	7730	5630	6190	5300	5150	5330	5280	6590
7	9170	5810	6830	6970	8430	5530	5830	5380	5150	5210	5480	5960
8	6350	5610	6290	7630	7740	5530	5800	5320	5090	5180	6140	5490
9	5540	5460	5860	8100	6410	5390	5680	5180	5070	6120	6430	5020
10	5390	5360	5780	8150	6340	5250	5810	5240	5330	8010	6030	5040
11	5350	5340	6030	6980	7590	5230	5880	5120	5730	6910	5580	5690
12	5390	5410	6080	6370	10300	5250	6090	5070	6130	5600	5390	6680
13	5400	5480	6330	5920	11100	5360	6200	5210	6370	5070	5620	6110
14	5250	5550	6620	5920	9010	5780	5790	5400	5960	4810	7510	5240
15	5330	5500	6480	8050	7640	7410	5600	5710	5560	4770	9180	4790
16	5370	5490	6340	8940	7400	9030	5690	5640	5280	4790	7400	4760
17	5320	5460	6560	9440	6680	8740	5830	5460	5050	5410	6470	5060
18	5160	5930	6430	8940	6930	6570	5760	5150	5140	7140	5770	5300
19	5000	5950	5900	7400	7550	6130	5750	5030	5900	7740	5460	5780
20	5000	5720	5680	7550	7470	7480	5630	5040	6810	6810	5610	6070
21	5060	5860	5750	9040	6800	12800	5580	5020	6610	6030	7530	5510
22	5010	7050	5820	9360	6220	14800	5680	5220	6170	5530	9670	5140
23	5090	12600	5660	9290	6090	11400	5760	5560	6100	6260	8230	4900
24	5430	15700	5590	8980	5970	7660	5750	5160	5440	6150	6530	4960
25	5790	13400	5590	8600	5880	6590	5580	5010	6750	5540	5760	5410
26	5650	8130	5520	7190	5940	6190	5410	4850	7480	6130	5300	6050
27	5350	6730	5460	6720	6040	5970	5460	4970	6160	6260	5080	6040
28	5310	6620	5290	6610	6160	5900	5500	5330	5730	5740	6060	5370
29	5260	6620	5190	6590	---	5840	5470	7040	5440	5590	8470	5070
30	5370	6900	5120	7460	---	5870	5320	7350	5280	5700	7020	5140
31	5550	---	5360	8120	---	5870	---	6520	---	6140	6680	---
TOTAL	202160	206290	207510	235620	200770	214020	172540	167480	172160	181930	196980	166660
MEAN	6521	6876	6694	7601	7170	6904	5751	5403	5739	5869	6354	5555
MAX	13900	15700	12600	9440	11100	14800	6200	7350	7480	8010	9670	6810
MIN	5000	5340	5120	5920	5880	5230	5320	4850	5010	4770	5080	4760

CAL YR 1985 TOTAL 2463980 MEAN 6751 MAX 20500 MIN 4760 MEAN† 7190 CFSM† .92 IN† 12.52
WTR YR 1986 TOTAL 2324120 MEAN 6367 MAX 15700 MIN 4760 MEAN† 4985 CFSM† .64 IN† 8.68

†ADJUSTED FOR CHANGE IN CONTENTS IN LAKE BURTON, MATHIS RESERVOIR, HARTWELL LAKE, RICHARD B. RUSSELL RESERVOIR, AND CLARKS HILL RESERVOIR.

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

WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 1972 to June 1974.
PERIOD OF DAILY RECORD.--
WATER TEMPERATURE: October 1971 to current year.
INSTRUMENTATION.--Water-temperature recorder since October 1971.
EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURE: Maximum, 26.5°C July 21, 1981; 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, 26.0°C July 15; minimum, 5.5°C Jan. 28-30.

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

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

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

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	17.0	15.5	20.0	19.5	22.5	21.0	24.5	24.0	24.0	22.5	20.0	19.5
2	17.0	16.0	20.0	19.5	22.5	21.0	25.0	24.5	23.5	22.5	20.5	20.0
3	17.0	16.5	19.5	19.0	22.5	21.5	25.0	23.0	23.5	23.0	21.5	20.5
4	17.5	16.5	19.0	18.5	22.0	21.5	23.5	23.0	23.5	23.0	22.0	21.5
5	18.0	17.0	19.0	18.0	22.0	21.5	23.5	23.0	23.5	23.0	22.5	21.5
6	18.0	17.0	19.5	18.5	22.0	21.0	23.5	23.0	23.5	23.5	22.5	22.0
7	18.0	17.0	20.0	19.5	22.0	21.0	25.0	23.5	24.0	23.0	22.5	21.5
8	18.0	17.5	20.0	19.5	22.5	21.5	24.5	24.5	24.0	23.5	23.0	22.0
9	17.5	17.0	20.5	19.5	23.5	22.5	24.5	22.5	24.0	23.5	23.0	22.5
10	17.0	15.5	20.0	19.5	24.5	23.5	23.5	21.5	24.5	23.5	23.5	23.0
11	16.0	15.0	19.5	18.5	24.0	23.5	24.0	23.0	24.5	24.0	23.5	23.0
12	15.5	15.0	20.0	19.5	24.5	23.5	24.5	23.5	25.0	24.5	23.5	22.5
13	17.0	15.0	19.5	19.5	24.0	23.0	25.5	25.0	25.5	24.5	23.0	22.0
14	17.0	16.0	20.0	19.5	24.0	22.0	25.5	25.0	24.5	23.0	23.5	22.5
15	17.0	16.5	20.0	19.5	24.0	22.5	26.0	25.0	23.0	22.5	23.5	22.5
16	17.0	16.5	20.0	19.5	23.5	23.0	25.5	23.5	24.0	22.5	23.5	23.0
17	16.5	15.5	20.5	19.5	24.5	23.5	24.5	22.0	24.5	23.5	23.5	23.0
18	16.5	15.0	21.0	20.5	24.5	24.0	23.5	22.5	25.0	24.0	23.0	23.0
19	16.5	15.5	21.0	20.5	24.0	23.0	24.0	22.0	25.0	24.5	23.0	22.0
20	17.5	16.0	21.5	20.5	23.0	21.5	24.0	23.0	25.0	24.0	22.5	21.5
21	18.0	17.0	21.5	21.0	23.0	21.0	24.5	23.0	24.0	23.0	22.5	22.0
22	18.0	17.0	21.0	20.0	23.0	21.5	25.0	24.0	23.0	22.0	23.5	22.5
23	17.0	16.0	20.5	19.5	23.0	22.0	25.0	24.0	24.5	23.0	24.0	23.0
24	16.5	15.5	20.5	19.5	23.0	22.5	24.0	22.5	24.5	23.5	24.5	24.0
25	17.0	15.5	21.5	20.5	24.0	23.0	23.0	22.5	24.5	24.5	24.5	24.0
26	18.0	16.5	22.0	21.5	23.5	21.5	23.0	22.0	25.5	24.5	24.0	23.5
27	19.0	18.0	22.0	22.0	23.0	21.0	23.5	22.0	25.5	25.0	24.0	23.0
28	19.5	19.0	22.5	22.0	23.5	23.0	23.5	23.0	25.5	24.0	24.0	23.5
29	20.0	19.5	22.5	21.0	24.0	23.5	24.0	23.0	24.0	22.0	24.5	24.0
30	20.0	19.0	22.5	20.5	24.0	23.5	24.5	24.0	22.0	20.5	24.5	24.0
31	---	---	22.0	20.5	---	---	24.5	23.5	20.5	19.5	---	---
MONTH	20.0	15.0	22.5	18.0	24.5	21.0	26.0	21.5	25.5	19.5	24.5	19.5
YEAR	26.0	5.5										

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.--Water-temperature recorder since October 1971.
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, 27.5°C, July 15-18; minimum, 6.5°C Jan. 31.

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

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

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

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	18.0	16.5	22.0	20.0	23.0	21.5	26.0	24.5	26.5	25.5	22.0	21.5
2	18.5	16.5	22.0	20.0	23.5	22.5	26.0	25.0	26.0	25.5	21.5	21.5
3	19.0	17.0	21.5	19.5	23.0	22.5	25.0	24.0	26.0	25.0	22.0	21.5
4	19.0	17.5	20.5	19.0	23.0	22.0	25.0	23.5	26.0	25.0	22.5	22.5
5	19.0	17.5	20.0	18.5	24.0	22.5	25.0	23.5	25.5	25.0	23.0	22.5
6	19.5	18.0	20.5	19.0	23.5	22.5	25.5	24.0	25.5	25.0	23.0	23.0
7	19.5	18.0	---	---	23.5	22.5	25.5	24.5	26.0	25.0	23.0	23.0
8	19.5	18.5	---	---	24.0	22.5	26.0	25.0	25.5	25.0	23.5	23.0
9	19.0	17.5	---	---	25.0	23.0	26.0	25.0	25.5	25.0	23.5	23.5
10	17.5	16.5	---	---	25.5	24.0	25.5	24.0	25.5	25.0	24.5	23.5
11	17.0	15.5	---	---	25.5	24.5	24.0	23.5	25.5	25.0	25.0	24.0
12	16.5	15.5	---	---	26.0	24.5	25.0	23.5	26.0	25.0	25.0	24.0
13	17.5	15.5	---	---	25.5	24.5	26.0	24.0	26.0	25.5	24.5	23.5
14	18.0	17.0	20.5	20.0	25.0	24.0	26.5	25.0	26.0	24.5	25.0	23.5
15	18.5	17.0	21.0	20.0	25.0	24.0	27.5	25.5	24.5	23.5	24.5	23.0
16	18.5	17.0	21.0	20.5	25.0	23.5	27.5	26.0	25.0	24.0	24.5	23.5
17	17.5	16.0	21.0	20.5	25.5	23.5	27.5	26.0	25.5	25.0	24.5	24.0
18	17.5	16.0	21.5	20.5	25.5	24.5	27.5	26.0	26.0	25.0	24.5	23.5
19	18.0	16.0	21.5	21.0	25.0	24.0	26.0	24.5	26.0	25.5	24.0	23.0
20	18.0	16.0	21.5	21.0	24.0	23.0	25.0	24.5	25.5	25.0	24.5	23.5
21	19.0	17.5	22.0	21.5	24.0	23.0	25.5	24.5	25.0	24.5	24.0	22.5
22	19.0	17.5	22.0	21.0	24.5	23.0	25.5	24.0	24.5	24.0	24.0	23.0
23	18.0	16.5	21.5	20.5	24.5	23.0	25.5	25.0	25.0	24.0	25.0	23.5
24	18.0	16.0	21.5	20.5	25.0	23.5	26.0	25.5	25.0	25.0	25.0	24.0
25	18.0	16.0	23.0	21.0	24.5	23.5	26.0	24.5	25.5	25.0	26.0	25.0
26	19.5	17.0	23.5	22.0	23.5	23.0	25.5	24.5	25.5	25.0	26.0	24.5
27	21.0	18.5	23.5	22.5	25.0	23.0	25.0	24.5	26.0	25.5	25.5	24.5
28	21.0	19.5	24.0	22.5	25.5	24.0	25.0	24.5	26.5	26.0	26.0	24.5
29	21.5	19.5	23.5	22.5	25.5	24.0	25.5	24.5	26.0	25.0	26.0	25.0
30	22.0	19.5	22.5	21.5	26.0	24.5	25.5	24.5	25.0	23.5	26.0	25.0
31	---	---	23.0	22.5	---	---	26.5	25.5	23.5	22.0	---	---
MONTH	22.0	15.5	24.0	18.5	26.0	21.5	27.5	23.5	26.5	22.0	26.0	21.5
YEAR	27.5	6.5										

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 129.2.
DRAINAGE AREA.--8,650 mi^2, approximately.
PERIOD OF RECORD.--October 1939 to September 1970, October 1982 to current year.
GAGE.--Water-stage recorder. Datum of gage is 54.42 ft, National Geodetic Vertical Datum of 1929.
REMARKS.--No estimated daily discharge. Records good. Flow regulated by Lake Burton, Mathis Reservoir, Hartwell Lake, Richard B. Russell Reservoir, and Clarks Hill Reservoir. (See "Lakes and Reservoirs in Savannah River Basin," stations 02178500, 02179500, 02187250, 02189004, and 02194500.)
AVERAGE DISCHARGE.--35 years, 10,430 ft^3/s, 16.38 in/yr.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 141,000 ft^3/s Aug. 18, 1940; gage height, 27.0 ft; minimum daily, 2,120 ft^3/s Sept. 9, 1951.
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 ft^3/s from rating curve extended above 141,000 ft^3/s.
EXTREMES FOR CURRENT YEAR.--Maximum discharge, 15,200 ft^3/s Nov. 25, gage height 12.71 ft; minimum daily discharge, 4,390 ft^3/s July 16.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4890	6010	8450	6400	8530	7240	6280	5250	6640	5250	5990	6690
2	5000	6610	10500	7190	8230	7150	6080	5220	6480	4960	5740	6130
3	6980	7130	12100	7920	7760	7010	6100	5240	5290	5630	5430	5500
4	11600	7650	11700	8280	7130	7000	6300	5370	5050	5780	5130	5430
5	12200	7390	10600	8030	6980	7190	6480	5310	5140	5460	4950	6160
6	12800	6940	9110	7630	7390	6920	6440	5220	5250	5300	4990	6920
7	11900	6600	8350	7210	8740	6580	6340	5290	5280	5240	5110	6680
8	8800	6410	7580	7930	9040	6480	6050	5350	5240	5090	5450	6070
9	6590	6170	6940	8250	8370	6510	6070	5230	5180	5020	6090	5520
10	5710	5970	6550	8660	7530	6440	6000	5260	5380	6370	6220	4910
11	5500	5860	6550	8670	8610	6360	6030	5330	5740	7390	5730	5080
12	5440	5880	6840	8010	9900	6350	6050	5230	6260	6360	5280	5880
13	5510	6060	8960	7410	11000	6460	6280	5300	6550	5340	5050	6540
14	5420	6220	10300	6920	11000	7120	6250	5630	6640	4660	5660	5870
15	5300	6270	9370	7260	9530	8160	5870	5850	6260	4420	7880	4920
16	5400	6190	8320	8720	8690	9150	5730	6120	5840	4390	8440	4460
17	5360	6110	7790	9330	8230	9860	5780	5900	5480	4710	7220	4630
18	5230	6070	7650	9550	7740	9120	5760	5680	5210	5750	6260	4940
19	4980	6570	7300	9040	7990	7970	5660	5310	5250	7090	5540	5280
20	4840	6630	6830	8170	8300	8080	5650	5200	6100	7310	5250	5800
21	4910	6660	6720	8420	8150	9620	5640	5200	6910	6560	5920	5940
22	5010	8010	6810	9180	7620	12800	5640	5170	6780	5850	8030	5410
23	5120	10700	6790	9350	7250	13800	5780	5350	6390	5520	8970	5000
24	5110	13800	6650	9250	7160	11400	5820	5640	6230	5960	7770	4920
25	5730	15100	6580	9040	7020	8680	5800	5290	5770	5640	6390	4890
26	6020	13800	6490	8570	6950	7530	5590	5080	6810	5400	5590	5430
27	5780	9810	6410	7810	7010	7050	5490	4950	7380	6050	4980	5880
28	5450	8160	6280	7550	7130	6830	5530	5110	6510	5970	4870	5840
29	5370	7740	6150	7330	---	6690	5540	5570	5980	5660	6320	5170
30	5290	7900	6040	7610	---	6530	5410	7010	5560	5410	7570	4890
31	5560	---	6020	8220	---	6450	---	7260	---	5620	6930	---
TOTAL	198800	230420	242730	252910	228980	244530	177440	169920	178580	175160	190750	166780
MEAN	6413	7681	7830	8158	8178	7888	5915	5481	5953	5650	6153	5559
MAX	12800	15100	12100	9550	11000	13800	6480	7260	7380	7390	8970	6920
MIN	4840	5860	6020	6400	6950	6350	5410	4950	5050	4390	4870	4460

CAL YR 1985	TOTAL	2615900	MEAN 7167	MAX	19500	MIN	4830	MEAN†	7606	CFSM†	.88	IN†	11.94
WTR YR 1986	TOTAL	2457000	MEAN 6732	MAX	15100	MIN	4390	MEAN†	5350	CFSM†	.62	IN†	8.40

†ADJUSTED FOR CHANGE IN CONTENTS IN LAKE BURTON, MATHIS RESERVOIR, HARTWELL LAKE, RICHARD B. RUSSELL RESERVOIR, AND CLARKS HILL RESERVOIR.

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.--55 mi^2, 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.--No estimated daily discharges. Records fair, except those for periods affected by variable backwater from beaverdams, Oct. 15-Nov. 7, Apr. 8-July 17, and Sept. 10-30, which are poor.
AVERAGE DISCHARGE.--19 years, 46.5 ft^3/s, 11.48 in/yr.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,810 ft^3/s Mar. 3, 1971, gage height, 18.09 ft, from floodmark; minimum daily, 0.14 ft^3/s July 21, 1986.
EXTREMES OUTSIDE PERIOD OF RECORD.--A discharge of 0.007 ft^3/s was measured on Oct. 14, 1954.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)
Nov. 22	1600	*404	*7.71

Minimum daily discharge, 0.14 ft^3/s July 21.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.2	12	54	15	12	17	18	4.2	3.1	4.4	1.5	7.6
2	31	8.9	45	15	11	16	16	4.2	2.6	4.8	.64	5.0
3	7.1	6.1	30	13	11	15	15	4.1	1.9	5.3	.73	3.2
4	39	4.8	23	12	11	15	15	2.9	2.7	4.0	.58	13
5	24	4.2	20	12	16	15	14	2.9	2.6	2.4	.38	39
6	12	4.5	18	11	37	14	12	3.4	2.5	1.7	7.0	78
7	5.1	3.4	16	11	51	13	12	2.7	2.5	2.7	1.2	25
8	2.7	4.1	15	9.1	28	12	12	3.5	3.5	2.0	.66	11
9	2.5	4.6	15	8.5	22	12	19	2.9	4.8	2.1	.50	6.5
10	2.2	4.6	14	9.8	46	13	15	3.3	5.3	4.6	.92	4.6
11	2.3	5.0	14	13	171	14	11	3.9	6.1	1.9	1.0	3.4
12	2.7	7.9	15	11	70	14	9.0	4.3	5.4	1.1	2.0	2.8
13	2.9	12	44	11	52	15	7.7	9.7	4.2	.88	2.1	2.1
14	3.0	8.9	35	9.6	43	51	6.3	10	3.6	1.1	2.4	1.4
15	3.3	7.0	21	9.1	40	41	5.7	8.4	3.7	1.6	3.7	1.0
16	4.3	6.3	18	8.4	32	26	4.7	6.7	7.5	1.2	1.4	1.6
17	3.3	6.1	16	9.2	29	20	4.7	6.1	6.8	.49	.97	1.8
18	3.2	5.7	16	15	32	17	4.9	5.9	7.9	.54	.75	2.6
19	3.5	6.3	14	43	35	78	4.8	7.4	5.5	.44	.74	3.4
20	3.7	8.0	13	28	30	200	4.8	8.7	7.4	.24	1.9	3.5
21	3.7	43	13	18	25	91	5.3	6.3	4.6	.14	1.2	3.2
22	4.0	258	13	15	24	53	5.1	7.0	3.9	.16	1.3	2.8
23	5.8	87	12	14	23	41	4.9	5.9	3.8	.33	1.2	2.8
24	4.3	41	13	12	21	38	4.9	5.7	3.4	.23	1.6	2.9
25	3.6	30	12	11	19	31	5.9	5.2	3.7	.84	1.8	2.7
26	4.1	27	10	15	18	29	5.3	3.6	2.2	.69	2.5	2.6
27	6.0	24	10	16	22	27	5.9	29	1.7	.70	2.1	2.7
28	8.5	20	11	14	20	25	5.4	25	5.9	.52	21	2.2
29	5.8	20	13	12	---	22	4.9	13	8.5	.92	11	1.9
30	4.7	46	11	14	---	20	5.1	7.5	5.3	4.0	6.8	8.9
31	6.9	---	11	12	---	19	---	4.4	---	1.4	11	---
TOTAL	217.4	726.4	585	426.7	951	1014	264.3	217.8	132.6	53.42	92.57	249.2
MEAN	7.01	24.2	18.9	13.8	34.0	32.7	8.81	7.03	4.42	1.72	2.99	8.31
MAX	39	258	54	43	171	200	19	29	8.5	5.3	21	78
MIN	2.2	3.4	10	8.4	11	12	4.7	2.7	1.7	.14	.38	1.0
CFSM	.13	.44	.34	.25	.62	.60	.16	.13	.08	.03	.05	.15
IN.	.15	.49	.40	.29	.64	.69	.18	.15	.09	.04	.06	.17

CAL YR 1985 TOTAL 6392.21 MEAN 17.5 MAX 1240 MIN .47 CFSM .32 IN 4.32
WTR YR 1986 TOTAL 4930.39 MEAN 13.5 MAX 258 MIN .14 CFSM .25 IN 3.33

02197600 BRUSHY CREEK NEAR WRENS, GA.

LOCATION.--Lat 33°10'37", long 82°18'20", Jefferson County, Hydrologic Unit 03060201, 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 mi^2.
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.--Estimated daily discharges: Dec. 2-19. Records good except those of no gage-height record, Dec. 2-19, which are fair. Discharge during growing season affected by undetermined amount of irrigation withdrawal. Moderate diurnal fluctuation at low flow.
AVERAGE DISCHARGE.--28 years, 26.0 ft^3/s, 12.61 in/yr.
EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 8.03 ft Mar. 3, 1971 (discharge not determined); minimum daily discharge, 4.0 ft^3/s July 24, 25, 27-29, 1981.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 300 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)
Nov. 22	2100	*334	*5.73

Minimum daily discharge, 4.3 ft^3/s July 21.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.5	16	46	15	12	14	13	7.3	7.2	8.1	5.2	8.4
2	39	13	37	14	11	14	13	7.0	7.1	8.7	5.4	7.5
3	21	9.9	31	14	11	14	13	7.0	7.1	7.8	5.2	6.9
4	13	9.1	26	14	10	16	12	6.8	7.6	6.9	5.0	8.1
5	19	9.0	23	15	13	14	12	7.0	7.4	6.8	4.6	10
6	14	8.5	21	15	23	14	12	6.8	7.0	6.3	4.7	8.5
7	11	8.3	20	14	25	14	12	16	6.8	6.2	4.6	7.5
8	9.5	8.0	19	14	15	15	12	23	6.9	5.5	4.7	6.9
9	9.2	8.1	18	13	14	15	15	12	6.8	5.2	4.9	6.7
10	8.8	8.3	17	15	29	15	13	10	10	5.1	5.1	6.7
11	8.5	8.5	16	20	95	15	12	9.7	9.4	5.0	4.8	6.6
12	8.3	9.8	19	16	39	14	12	9.6	7.4	4.8	5.2	6.4
13	8.0	12	44	14	28	17	12	12	6.9	4.9	7.7	6.2
14	7.9	12	37	13	25	49	11	12	6.8	4.7	7.7	6.0
15	7.8	11	25	12	23	31	11	11	7.1	4.6	10	5.9
16	7.7	12	20	12	22	20	11	9.7	6.7	4.7	6.8	5.7
17	7.6	13	19	12	21	16	11	9.5	6.3	5.0	6.2	5.4
18	7.5	14	18	15	20	15	11	9.1	5.9	4.8	6.3	5.6
19	7.5	13	17	41	19	25	11	8.8	6.3	4.8	6.3	5.4
20	7.4	17	16	23	19	86	10	9.0	6.3	4.8	7.5	5.3
21	7.2	47	16	21	18	47	12	8.4	6.1	4.3	7.6	5.5
22	7.2	212	15	14	17	29	11	8.0	6.0	4.6	7.1	5.3
23	7.7	136	14	13	15	23	10	7.6	5.8	5.2	6.5	5.2
24	7.5	36	16	12	15	20	9.9	7.6	5.6	4.6	6.3	4.8
25	6.9	25	15	12	15	19	9.4	7.3	5.5	5.2	6.1	4.8
26	6.8	22	14	13	14	17	8.8	7.0	5.7	6.9	6.2	4.9
27	7.7	20	15	14	14	17	8.3	8.0	7.3	5.7	5.9	5.0
28	9.5	18	16	16	15	16	8.0	9.2	6.7	8.9	6.2	5.0
29	8.5	27	17	16	---	15	7.8	9.1	22	6.0	6.5	4.8
30	7.6	67	15	14	---	15	7.6	8.4	11	5.7	8.3	5.0
31	11	---	15	14	---	14	---	7.8	---	5.1	9.9	---
TOTAL	317.8	830.5	657	480	597	665	331.8	291.7	224.7	176.9	194.5	186.0
MEAN	10.3	27.7	21.2	15.5	21.3	21.5	11.1	9.41	7.49	5.71	6.27	6.20
MAX	39	212	46	41	95	86	15	23	22	8.9	10	10
MIN	6.8	8.0	14	12	10	14	7.6	6.8	5.5	4.3	4.6	4.8
CFSM	.37	.99	.76	.55	.76	.77	.40	.34	.27	.20	.22	.22
IN.	.42	1.10	.87	.64	.79	.88	.44	.39	.30	.24	.26	.25

CAL YR 1985 TOTAL 6144.5 MEAN 16.8 MAX 279 MIN 5.3 CFSM .60 IN 8.16
WTR YR 1986 TOTAL 4952.9 MEAN 13.6 MAX 212 MIN 4.3 CFSM .49 IN 6.58

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, 3.8 mi northeast of Waynesboro.
DRAINAGE AREA.--473 mi^2.
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.--Estimated daily discharges: Jan. 23 to Feb. 26. Records good, except those for missing gage-height record. Jan. 23 to Feb. 26, which are fair.
AVERAGE DISCHARGE.--17 years, 465 ft^3/s, 13.35 in/yr.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 10,800 ft^3/s Mar. 15, 1971, gage height, 12.28 ft; minimum, daily 50 ft^3/s July 15, 1986.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,900 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)
Nov. 26	0400	*1,730	*7.43

Minimum daily discharge, 50 ft^3/s July 15.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	75	299	637	311	300	310	328	143	167	123	68	142
2	108	280	651	312	305	306	323	137	149	135	62	157
3	163	276	624	310	315	304	307	130	133	116	58	164
4	226	320	607	306	350	300	293	125	128	103	57	158
5	344	299	647	308	380	291	281	120	131	94	61	150
6	537	269	617	308	420	286	273	120	121	87	67	152
7	622	245	521	303	460	282	264	120	117	82	68	160
8	473	221	448	296	540	276	262	121	109	76	73	161
9	394	204	403	287	700	269	280	128	105	71	77	155
10	331	192	376	292	840	267	276	142	119	66	69	156
11	252	184	359	328	800	269	284	138	158	61	64	151
12	205	194	365	328	760	272	283	128	124	60	65	135
13	180	210	497	331	720	292	280	162	122	54	84	123
14	166	202	533	326	680	388	267	197	112	51	136	110
15	155	211	543	314	720	466	248	245	99	50	145	105
16	146	223	558	311	740	532	230	293	95	51	135	104
17	142	225	540	297	650	574	214	311	98	55	131	135
18	139	218	525	284	580	587	203	230	93	59	119	123
19	134	212	467	311	520	550	196	181	88	62	102	103
20	132	224	414	299	480	526	188	160	89	64	189	94
21	131	313	380	315	440	526	192	155	88	67	222	90
22	128	590	360	418	410	635	198	150	82	59	165	85
23	128	817	336	390	390	967	200	140	77	63	144	79
24	133	1010	324	370	375	1090	202	131	74	67	124	76
25	142	1420	313	350	350	759	191	122	82	71	108	71
26	156	1620	305	340	340	558	181	115	76	73	97	69
27	167	1140	304	330	332	469	174	110	74	73	91	66
28	191	748	305	320	320	422	166	119	83	76	85	68
29	196	587	311	310	---	390	157	131	94	81	80	111
30	195	604	309	305	---	364	150	150	106	77	97	96
31	244	---	308	302	---	344	---	164	---	73	129	---
TOTAL	6735	13557	13887	9912	14217	13871	7091	4818	3193	2300	3172	3549
MEAN	217	452	448	320	508	447	236	155	106	74.2	102	118
MAX	622	1620	651	418	840	1090	328	311	167	135	222	164
MIN	75	184	304	284	300	267	150	110	74	50	57	66
CFSM	.46	.96	.95	.68	1.07	.95	.50	.33	.22	.16	.22	.25
IN.	.53	1.07	1.09	.78	1.12	1.09	.56	.38	.25	.18	.25	.28

CAL YR 1985 TOTAL 112788 MEAN 309 MAX 3720 MIN 72 CFSM .65 IN 8.87
WTR YR 1986 TOTAL 96302 MEAN 264 MAX 1620 MIN 50 CFSM .56 IN 7.57

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 highway bridge at Millhaven, 8.5 mi upstream from Beaverdam Creek.
DRAINAGE AREA.--646 mi^2.
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.--Estimated daily discharges: July 10-17, 20-24. Records good, except for periods of no gage-height, July 10-17, 20-24, which are fair. Records of chemical analyses for the 1970-79 water years are published in reports of the U.S. Geological Survey.
AVERAGE DISCHARGE.--50 years, 648 ft^3/s, 13.62 in/yr.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 25,400 ft^3/s Aug. 16, 1940, gage height, 17.4 ft, from graph based on gage readings; minimum daily, 64 ft^3/s Sept. 5-11, 1954.
EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known since at least 1797, 25.1 ft in September or October 1929, from information by Georgia Department of Transportation; discharge, 64,000 ft^3/s, by slope-conveyance study.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 2,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)
Dec. 13	2200	*1,970	*8.00

Minimum daily, 67 ft^3/s July 18, 19.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	111	330	1080	442	408	452	470	185	165	110	86	272
2	124	407	956	437	403	432	444	171	170	114	82	244
3	170	440	861	433	400	418	421	163	184	125	78	220
4	190	441	790	433	404	409	404	159	213	130	74	230
5	199	369	770	436	425	405	391	152	180	119	81	222
6	210	337	775	431	489	401	375	148	167	109	86	213
7	234	339	760	425	576	392	356	147	152	105	93	211
8	280	333	766	418	572	377	355	150	139	97	124	208
9	359	311	734	411	573	369	385	158	133	95	106	198
10	480	289	645	428	656	363	373	162	137	87	99	193
11	494	268	564	544	1040	363	355	159	137	85	99	188
12	431	254	528	535	1120	359	341	163	172	84	91	188
13	376	257	1480	506	1030	367	334	172	175	82	87	184
14	305	264	1730	485	961	496	334	186	141	81	115	168
15	247	272	1250	458	889	600	327	198	137	79	193	150
16	215	268	1010	447	878	584	317	211	134	77	221	138
17	198	260	852	447	936	613	302	226	126	74	198	136
18	189	261	772	436	1010	611	282	251	121	67	168	139
19	183	267	745	438	878	659	264	280	119	67	153	151
20	181	273	714	430	703	873	251	272	142	74	205	146
21	177	305	680	412	611	889	244	220	114	78	281	130
22	174	762	625	421	570	831	241	184	108	81	307	124
23	176	1150	572	416	544	729	236	167	105	83	340	119
24	177	1070	535	419	517	683	232	160	101	73	281	114
25	176	1050	506	476	500	827	231	150	182	75	202	108
26	176	1000	475	556	493	1130	230	145	160	76	163	100
27	180	1210	456	591	500	1090	225	140	127	84	145	98
28	200	1590	447	531	486	839	215	137	107	89	132	99
29	222	1470	448	476	---	659	205	140	99	87	125	97
30	234	1270	445	443	---	563	195	150	103	84	158	103
31	256	---	442	418	---	507	---	152	---	89	292	---
TOTAL	7324	17117	23413	14179	18572	18290	9335	5458	4250	2760	4865	4891
MEAN	236	571	755	457	663	590	311	176	142	89.0	157	163
MAX	494	1590	1730	591	1120	1130	470	280	213	130	340	272
MIN	111	254	442	411	400	359	195	137	99	67	74	97
CFSM	.37	.88	1.17	.71	1.03	.91	.48	.27	.22	.14	.24	.25
IN.	.42	.99	1.35	.82	1.07	1.05	.54	.31	.24	.16	.28	.28

CAL YR 1985 TOTAL 144034 MEAN 395 MAX 3440 MIN 109 CFSM .61 IN 8.29
WTR YR 1986 TOTAL 130454 MEAN 357 MAX 1730 MIN 67 CFSM .55 IN 7.51

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 Clyo, and at mile 60.9.
DRAINAGE AREA.--9,850 mi^2, 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.--Water-stage recorder. 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.--No estimated daily discharge. Records good. Flow regulated by Lake Burton, Mathis Reservoir, Hartwell Lake, Richard B. Russell Reservoir, and Clarks Hill Reservoir. (See "Lakes and Reservoirs in Savannah River Basin," stations 02178500, 02179500, 02187250, 02189004, and 02194500).
AVERAGE DISCHARGE.--53 years, 11,910 ft^3/s, 16.43 in/yr, unadjusted.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 270,000 ft^3/s Oct. 6, 1929, gage height, 29.7 ft, present datum (from information by U.S. Army Corps of Engineers), from rating curve extended above 120,000 ft^3/s; minimum daily discharge, 1,950 ft^3/s Sept. 27, 1931.
EXTREMES FOR CURRENT YEAR.--Maximum discharge, 15,800 ft^3/s Nov. 28, gage height, 11.50 ft; minimum daily discharge, 4,950 ft^3/s July 17.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5220	5880	10900	6810	8550	7710	7540	5930	7130	5820	5690	7550
2	5230	6150	10700	6980	8900	7780	7290	5860	6840	5580	5930	7360
3	5300	6550	11400	7550	8750	7720	7040	5820	6550	5430	5870	6980
4	6370	7120	12400	8230	8280	7550	6950	5790	5860	5740	5680	6400
5	9430	7630	13000	8730	7720	7440	7060	5780	5610	5860	5520	6280
6	10800	7740	13200	8680	7620	7510	7210	5790	5630	5710	5330	6600
7	11400	7490	12500	8350	8260	7320	7220	5760	5670	5600	5330	7140
8	11700	7160	11100	7950	9470	7010	7150	5750	5670	5550	5380	7160
9	10600	6870	9760	8240	10300	6830	6960	5800	5660	5460	5550	6680
10	8020	6610	8770	8710	10200	6800	6890	5780	5650	5390	5930	6160
11	6530	6380	8110	9230	10800	6730	6840	5740	5750	5950	6130	5710
12	6070	6260	7850	9480	12300	6640	6840	5740	5970	6870	5910	5610
13	5950	6240	8210	9140	13500	6630	6860	5760	6300	6570	5660	5990
14	5970	6280	10100	8600	14300	7070	6970	5760	6570	5810	5680	6500
15	5950	6370	12100	8110	14700	8080	6970	5930	6670	5270	5720	6270
16	5850	6420	13300	8130	14400	9250	6690	6130	6420	5000	6990	5650
17	5820	6370	13600	9130	13100	10300	6470	6320	6120	4950	7960	5220
18	5750	6310	12700	9870	11400	11000	6440	6260	5830	5090	7480	5170
19	5640	6280	11200	10300	10100	11000	6430	6090	5650	5590	6810	5320
20	5480	6620	9870	10100	9590	9810	6330	5890	5660	6530	6090	5530
21	5330	7180	8900	9280	9660	9240	6270	5770	6170	6990	5810	5830
22	5320	8120	8360	9050	9490	10100	6220	5730	6770	6660	6050	6010
23	5370	10200	8180	9610	8950	11700	6190	5700	6760	6100	7410	5770
24	5390	12300	8060	9970	8390	12800	6250	5780	6480	5760	8570	5480
25	5430	13700	7850	10000	8050	13400	6300	5900	6280	5890	8240	5340
26	5700	14700	7620	9880	7810	12700	6290	5740	6050	5870	7090	5300
27	5980	15500	7440	9440	7670	10400	6170	5590	6740	5670	6220	5520
28	5940	15700	7300	8650	7640	8870	6040	5490	7170	5890	5750	5840
29	5740	14400	7190	8200	---	8430	6020	5570	6680	6010	5520	5890
30	5640	12100	7020	8010	---	8160	6020	5890	6160	5820	6230	5590
31	5680	---	6890	8090	---	7810	---	6840	---	5670	7570	---
TOTAL	204600	256630	305580	272500	279900	273790	199920	181680	186470	180100	195100	181850
MEAN	6600	8554	9857	8790	9996	8832	6664	5861	6216	5810	6294	6062
MAX	11700	15700	13600	10300	14700	13400	7540	6840	7170	6990	8570	7550
MIN	5220	5880	6890	6810	7620	6630	6020	5490	5610	4950	5330	5170

CAL YR 1985	TOTAL	2819460	MEAN 7725	MAX	19400	MIN	5220	MEAN†	8164	CFSM†	.83	IN†	11.26
WTR YR 1986	TOTAL	2718120	MEAN 7447	MAX	15700	MIN	4950	MEAN†	6065	CFSM†	.62	IN†	8.36

†ADJUSTED FOR CHANGE IN CONTENTS IN LAKE BURTON, MATHIS RESERVOIR, HARTWELL LAKE, RICHARD B. RUSSELL RSERVOIR, AND CLARKS HILL RESERVOIR.

02198500 SAVANNAH RIVER NEAR CLYO, GA.--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--May 1938 to April 1939, October 1964 to current year.
PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: January 1974 to July 1977.
WATER TEMPERATURE: May 1938 to April 1939, January 1974 to July 1977.
REMARKS.--Laboratory chemical analyses with the analyzing agency codes 80020 and 84213 are performed by the U.S. Geological Survey. Laboratory chemical analyses with the analyzing agency code 81341 are performed by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, Dissolved Oxygen, and Total Alkalinity is by the U.S. Geological Survey.
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 1985 TO SEPTEMBER 1986

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER)	STREAM-FLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (US/CM)	SPECIFIC CONDUCTANCE LAB (US/CM)	PH (STANDARD UNITS)	PH LAB (STANDARD UNITS)
NOV							
06...	0700	81341	7780	--	77	7.10	7.00
12...	0725	81341	8540	90	92	7.30	7.10
15...	1030	80020	6390	86	90	7.20	--
DEC							
04...	0930	81341	12400	70	69	7.00	7.00
JAN							
08...	0830	81341	7940	87	83	7.10	7.20
FEB							
05...	0830	81341	7750	107	107	7.10	7.20
06...	1000	80020	7560	82	92	7.10	7.50
MAR							
05...	0800	81341	7420	--	77	7.10	7.00
APR							
08...	0940	81341	7160	94	90	7.10	7.00
MAY							
07...	0750	81341	5740	133	132	7.30	7.40
21...	0945	80020	5770	93	99	6.80	7.20
JUN							
10...	0810	81341	5640	100	97	7.10	7.20
JUL							
08...	0740	81341	5560	95	92	7.20	7.20
AUG							
06...	1400	80020	5320	99	--	7.30	--
12...	0800	81341	5960	93	91	7.20	7.40
SEP							
09...	0730	81341	6780	95	98	7.00	7.00

02198500 SAVANNAH RIVER NEAR CLYO, GA.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	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 IT-FLD (MG/L AS HCO3)	ALKA-LINITY WH WAT TOTAL FIELD MG/L AS CACO3	ALKA-LINITY LAB (MG/L AS CACO3)
NOV									
06...	0700	81341	16.0	9.0	6.2	--	--	--	19
12...	0725	81341	16.5	20.5	6.4	65	--	--	22
15...	1030	80020	19.5	--	7.8	83	26	28	23
DEC									
04...	0930	81341	14.5	7.5	6.4	62	--	--	18
JAN									
08...	0830	81341	5.5	3.0	9.2	71	--	--	21
FEB									
05...	0830	81341	10.5	21.5	6.5	58	--	--	22
06...	1000	80020	13.0	--	8.8	83	23	25	21
MAR									
05...	0800	81341	10.5	6.0	10.1	--	--	--	23
APR									
08...	0940	81341	21.0	30.0	4.8	54	--	--	21
MAY									
07...	0750	81341	20.0	23.0	5.3	58	--	--	42
21...	0945	80020	23.0	--	7.2	83	22	22	23
JUN									
10...	0810	81341	26.0	27.0	5.2	64	--	--	21
JUL									
08...	0740	81341	29.0	31.0	4.4	57	--	--	20
AUG									
06...	1400	80020	27.0	--	6.9	85	26	27	--
12...	0800	81341	26.0	28.0	4.4	54	--	--	22
SEP									
09...	0730	81341	23.0	20.5	5.8	67	--	--	21

DATE	AGENCY ANA-LYZING SAMPLE (CODE NUMBER)	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)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD-NESS (MG/L AS CACO3)	HARD-NESS NONCARB WH WAT TOT FLD MG/L AS CACO3	CALCIUM DIS-SOLVED (MG/L AS CA)
NOV											
06...	81341	30	11	--	1.2	--	--	--	--	--	--
12...	81341	35	14	--	0.7	270	--	--	--	--	--
15...	80020	--	4.5	--	--	--	--	--	19	0	5.2
DEC											
04...	81341	60	20	--	1.3	330	--	--	--	--	--
JAN											
08...	81341	30	8.0	--	1.0	330	--	--	--	--	--
FEB											
05...	81341	35	9.0	--	2.7	3300	--	--	--	--	--
06...	80020	--	8.0	--	--	--	400	460	20	0	5.4
MAR											
05...	81341	90	8.0	--	1.0	130	--	--	--	--	--
APR											
08...	81341	30	11	--	1.7	20	--	--	--	--	--
MAY											
07...	81341	20	12	--	1.4	20	--	--	--	--	--
21...	80020	--	5.5	--	--	--	100	120	19	0	5.2
JUN											
10...	81341	25	10	--	2.7	40	--	--	--	--	--
JUL											
08...	81341	25	10	27	--	<20	--	--	--	--	--
AUG											
06...	80020	--	--	--	--	--	K65	K45	--	--	--
12...	81341	25	8.0	14	3.2	20	--	--	--	--	--
SEP											
09...	81341	45	8.0	14	1.5	<20	--	--	--	--	--

02198500 SAVANNAH RIVER NEAR CLYO, GA.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	AGENCY ANA-LYZING SAMPLE (CODE NUMBER)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	PERCENT SODIUM	SODIUM AD-SORP-TION RATIO	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO2)	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											
15...	80020	1.4	11	53	1	1.8	2.6	7.1	7.9	<0.10	9.9
FEB											
06...	80020	1.5	9.9	50	1	1.7	2.8	9.4	6.6	<0.10	9.1
MAY											
21...	80020	1.5	12	55	1	1.4	5.5	9.4	8.8	0.10	9.3

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)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (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)
NOV										
06...	81341	--	--	--	--	15	0.110	--	--	5.3
12...	81341	--	--	--	--	8	0.100	--	--	6.6
15...	80020	61	58	1050	0.08	--	0.080	0.080	0.060	--
DEC										
04...	81341	--	--	--	--	21	0.080	--	--	8.1
JAN										
08...	81341	--	--	--	--	11	0.100	--	--	5.8
FEB										
05...	81341	--	--	--	--	5	0.090	--	--	4.4
06...	80020	48	57	980	0.06	--	0.080	0.050	0.040	--
MAR										
05...	81341	--	--	--	--	8	0.090	--	--	5.7
APR										
08...	81341	--	--	--	--	9	0.090	--	--	6.4
MAY										
07...	81341	--	--	--	--	16	0.150	--	--	5.5
21...	80020	67	59	1040	0.09	--	0.100	0.080	0.060	--
JUN										
10...	81341	--	--	--	--	13	0.080	--	--	4.1
JUL										
08...	81341	--	--	--	--	9	0.170	--	--	6.0
AUG										
06...	80020	--	--	--	--	--	0.160	0.130	0.120	--
12...	81341	--	--	--	--	6	0.160	--	--	4.5
SEP										
09...	81341	--	--	--	--	11	0.180	--	--	5.2

02198500 SAVANNAH RIVER NEAR CLYO, GA.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

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, 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)	NITRO-GEN, TOTAL (MG/L AS N)
NOV									
06...	81341	--	0.440	--	0.090	--	--	--	--
12...	81341	--	0.320	--	<0.020	--	--	--	--
15...	80020	<0.010	--	0.280	0.050	0.020	0.25	0.30	--
DEC									
04...	81341	--	0.250	--	0.050	--	--	--	--
JAN									
08...	81341	--	0.250	--	0.150	--	--	--	--
FEB									
05...	81341	--	0.340	--	0.190	--	--	--	--
06...	80020	0.030	--	0.370	0.100	0.110	0.40	0.50	--
MAR									
05...	81341	--	0.340	--	0.170	--	--	--	--
APR									
08...	81341	--	0.290	--	0.040	--	--	--	--
MAY									
07...	81341	--	0.350	--	0.050	--	--	--	--
21...	80020	0.010	--	0.450	<0.010	0.020	--	0.30	--
JUN									
10...	81341	--	0.510	--	0.090	--	--	--	--
JUL									
08...	81341	--	0.370	--	0.050	--	0.25	0.30	0.67
AUG									
06...	80020	<0.010	--	0.320	0.020	<0.010	0.38	0.40	--
12...	81341	--	0.470	--	0.090	--	0.51	0.60	1.1
SEP									
09...	81341	--	0.430	--	0.050	--	--	--	--

DATE	AGENCY ANA-LYZING SAMPLE (CODE NUMBER)	ALUM-INUM, DIS-SOLVED (UG/L AS AL)	ARSENIC DIS-SOLVED (UG/L AS AS)	BARIUM, DIS-SOLVED (UG/L AS BA)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE)	CADMIUM DIS-SOLVED (UG/L AS CD)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR)	COBALT, DIS-SOLVED (UG/L AS CO)	COPPER, DIS-SOLVED (UG/L AS CU)	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, DIS-SOLVED (UG/L AS PB)
NOV											
15...	80020	30	<1	8	0.7	<1	<1	<3	2	190	1
FEB											
06...	80020	50	<1	13	<0.5	<1	<1	<3	4	210	<1
MAY											
21...	80020	40	<1	6	<0.5	<1	<1	<3	3	170	3

DATE	AGENCY ANA-LYZING SAMPLE (CODE NUMBER)	LITHIUM DIS-SOLVED (UG/L AS LI)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MERCURY DIS-SOLVED (UG/L AS HG)	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)	ZINC, DIS-SOLVED (UG/L AS ZN)
NOV											
15...	80020	8	4	0.2	<10	<1	<1	<1	30	<6	7
FEB											
06...	80020	<4	14	0.2	<10	<1	<1	<1	35	<6	15
MAY											
21...	80020	<4	5	0.2	<10	<1	<1	<1	33	<6	6

02198500 SAVANNAH RIVER NEAR CLYO, GA.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	AGENCY ANA-LYZING SAMPLE (CODE NUMBER)	STREAM-FLOW, INSTAN-TANEOUS (CFS)	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
NOV							
15...	1030	80020	6390	19.5	18	311	87
FEB							
06...	1000	80020	7560	13.0	13	265	72
MAY							
21...	0945	80020	5770	23.0	9	140	95
AUG							
06...	1400	80020	5320	27.0	12	172	74

DATE	TIME	AGENCY ANA-LYZING SAMPLE (CODE NUMBER)	STREAM-FLOW, INSTAN-TANEOUS (CFS)	GROSS ALPHA, SUSP. TOTAL (UG/L AS U-NAT)	GROSS ALPHA, DIS-SOLVED (UG/L AS U-NAT)	GROSS BETA, SUSP. TOTAL (PCI/L AS CS-137)	GROSS BETA, DIS-SOLVED (PCI/L AS CS-137)	GROSS BETA, SUSP. TOTAL (PCI/L AS SR/YT-90)	GROSS BETA, DIS-SOLVED (PCI/L AS SR/YT-90)	RADIUM 226, DIS-SOLVED, RADON METHOD (PCI/L)	URANIUM DIS-SOLVED, EXTRAC-TION (UG/L)
NOV											
15...	1030	80020	6390	0.5	<0.4	1.0	1.5	1.0	1.4	0.02	<0.02
FEB											
06...	1000	80020	7560	<0.8	<0.5	<0.6	2.1	<0.6	1.9	0.04	<0.03

LAKES AND RESERVOIRS IN SAVANNAH RIVER BASIN

02178500 LAKE BURTON.--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 mi^2. PERIOD OF RECORD, October 1929 to current year. Datum of gage is at National Geodetic Vertical Datum of 1929 (levels by Georgia Power Co.).

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 Co.

MONTHEND ELEVATION AND CONTENTS AT 2400, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

Date	Elevation (feet)†	Contents (acre-feet)	Change in contents (acre-feet)	Change in contents (equivalent in cubic feet per second)
Sept. 30.....	1864.8	103000	-	-
Oct. 31.....	1864.6	102000	-1000	-16
Nov. 30.....	1862.6	96800	-5200	-87
Dec. 31.....	1858.8	86900	-9900	-161
CAL YR 1985	-	-	+13100	+18
Jan. 31.....	1854.6	76900	-10000	-163
Feb. 28.....	1856.2	80700	+3800	+68
Mar. 31.....	1859.5	88700	+8000	+130
Apr. 30.....	1862.9	97500	+8800	+148
May 31.....	1865.3	104000	+6500	+106
June 30.....	1864.5	102000	-2000	-34
July 31.....	1864.5	102000	0	0
Aug. 31.....	1865.0	103000	+1000	+16
Sept. 30.....	1864.7	103000	0	0
WTR YR 1986	-	-	0	0

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

02179500 MATHIS RESERVOIR.--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 mi^2. PERIOD OF RECORD, October 1929 to current year. Datum of gage is at National Geodetic Vertical Datum of 1929 (levels by Georgia Power Co.).

Reservoir is formed by concrete slab and buttress dam. Spillway, crest elevation, 1,682.75 ft is equipped with 16 gates 15.8 ft wide by 6.85 ft high. Dam completed in 1915. Total capacity at elevation 1,689.6 ft, top of gates, is 31,200 acre-ft, of which 23,000 acre-ft is usable storage. Reservoir is used for power development. Capacity curve and monthend elevations furnished by Georgia Power Co.

MONTHEND ELEVATION AND CONTENTS AT 2400, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

Date	Elevation (feet)†	Contents (acre-feet)	Change in contents (acre-feet)	Change in contents (equivalent in cubic feet per second)
Sept. 30.....	1687.7	29700	-	-
Oct. 31.....	1688.4	30200	+500	+8
Nov. 30.....	1687.6	29600	-600	-10
Dec. 31.....	1687.8	29800	+200	+3
CAL YR 1985	-	-	-100	0
Jan. 31.....	1688.4	30200	+400	+7
Feb. 28.....	1688.0	29900	-300	-5
Mar. 31.....	1688.0	29900	0	0
Apr. 30.....	1687.8	29800	-100	-2
May 31.....	1688.0	29900	+100	+2
June 30.....	1687.7	29700	-200	-3
July 31.....	1688.1	29900	+200	+3
Aug. 31.....	1687.8	29800	-100	-2
Sept. 30.....	1687.8	29800	0	0
WTR YR 1986	-	-	+100	0

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

LAKES AND RESERVOIRS IN SAVANNAH RIVER BASIN--Continued

02187250 HARTWELL LAKE.--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 mi^2. 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).

Lake is formed by concrete dam with earth embankments at each end; storage began in February 1961, dam completed in 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, 2,522,500 acre-ft Dec. 4, elevation, 659.51 ft; minimum, 1,916,900 acre-ft Sept. 30, elevation, 647.29 ft.

MONTHEND ELEVATION AND CONTENTS AT 2400, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

Date	Elevation (feet)	Contents (acre-feet)	Change in contents (acre-feet)	Change in contents (equivalent in cubic feet per second)
Sept. 30	655.88	2327600	-	-
Oct. 31	656.12	2340100	+12500	+203
Nov. 30	658.51	2467500	+127400	+2141
Dec. 31	657.60	2418300	-49200	-800
CAL YR 1985	-	-	-111400	-154
Jan. 31	656.69	2370000	-48300	-786
Feb. 28	656.30	2349600	-20400	-367
Mar. 31	656.86	2379000	+29400	+478
Apr. 30	656.93	2382600	+3600	+61
May 31	655.58	2312200	-70400	-1145
June 30	653.08	2186200	-126000	-2118
July 31	648.73	1981000	-205200	-3337
Aug. 31	647.45	1923900	+57100	-929
Sept. 30	647.31	1917800	-6100	-103
WTR YR 1986	-	-	-409800	-566

02189004 RICHARD B. RUSSELL RESERVIOR.-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 mi^2 (furnished by U.S. Army Corps of Engineers). PERIOD OF RECORD, May 1984 to current year. GAGE, water-stage recorder. Datum of gage is at National Geodetic Vertical Datum of 1929.

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, 1,020,100 acre-ft Nov. 5, elevation, 474.77 ft; minimum, 900,600 acre-ft July 1, elevation, 470.05 ft.

MONTHEND ELEVATION AND CONTENTS AT 2400, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

Date	Elevation (feet)	Contents (acre-feet)	Change in contents (acre-feet)	Change in contents (equivalent in cubic feet per second)
Sept. 30	472.98	973500	-	-
Oct. 31	474.04	1000800	+27300	+444
Nov. 30	472.22	954100	-46700	-785
Dec. 31	473.86	996200	+42100	+685
CAL YR 1985	-	-	-25500	-35
Jan. 31	473.68	991500	-4700	-76
Feb. 28	473.43	985000	-6500	-117
Mar. 31	473.16	978100	-6900	-112
Apr. 30	472.33	956900	-21200	-356
May 31	472.22	954100	-2800	-46
June 30	470.11	902000	-52100	-876
July 31	471.65	939800	+37800	+615
Aug. 31	470.93	922000	-17800	-290
Sept. 30	470.75	917600	-4400	-74
WTR YR 1986	-	-	-55900	-77

LAKES AND RESERVOIRS IN SAVANNAH RIVER BASIN--Continued

02194500 CLARKS HILL RESERVIOR--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, 3.7 mi upstream from Kiokee Creek, and at mile 237.7. DRAINAGE AREA, 6,150 mi^2, approximately. PERIOD OF RECORD, October 1951 to current year. 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.

Lake is formed by concrete dam with earth at each end; storage began in December 1951, dam completed in 1952. Useable 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, 2,442,800 acre-ft Dec. 27, elevation, 329.04 ft; minimum, 1,745,600 acre-ft Sept. 30, elevation, 317.80 ft.

MONTHEND ELEVATION AND CONTENTS AT 2400, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

Date	Elevation (feet)	Contents (acre-feet)	Change in contents (acre-feet)	Change in contents (equivalent in cubic feet per second)
Sept. 30.....	326.74	2281800	-	-
Oct. 31.....	326.17	2241900	-39900	-649
Nov. 30.....	327.75	2352500	+110600	+1859
Dec. 31.....	328.87	2430900	+78400	+1275
CAL YR 1985	-	-	+441900	+610
Jan. 31.....	327.05	2303500	-127400	-2072
Feb. 28.....	326.15	2240500	-63000	-1134
Mar. 31.....	326.06	2234200	-6300	-102
Apr. 30.....	324.89	2153400	-80800	-1358
May 31.....	324.53	2131800	-21600	-351
June 30.....	323.87	2092200	-39600	-666
July 31.....	322.01	1980600	-111600	-1815
Aug. 31.....	320.22	1873200	-107400	-1747
Sept. 30.....	317.82	1746600	-126600	-2128
WTR YR 1986	-	-	-535200	-739

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 mi^2.
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 270 ft above National Geodetic Vertical Datum of 1929 (from topographic map). August 16, 1978, to May 8, 1980, crest-stage gage at same site and datum.
REMARKS.--No estimated daily discharges. Records good.
AVERAGE DISCHARGE.--6 years 89.9 ft^3/s, 11.20 in/yr.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,430 ft^3/s Mar. 13, 1980, gage height, 11.13 ft; minimum discharge, 9.5 ft^3/s July 15, 16, 1986.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 650 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)
Nov. 23	0030	*2,270	*9.92

Minimum discharge, 9.5 ft^3/s July 15, 16.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	25	81	337	101	69	81	69	33	29	25	19	167
2	114	80	278	98	70	76	69	31	26	22	16	78
3	230	56	211	94	72	75	70	29	25	20	15	60
4	157	50	146	95	74	76	62	30	26	18	14	69
5	80	45	127	95	108	75	60	30	28	17	14	117
6	56	40	121	89	197	74	60	30	30	16	13	95
7	43	39	111	95	224	72	58	32	26	16	13	64
8	37	38	104	82	148	69	55	61	24	15	21	48
9	36	36	101	77	110	68	69	44	27	14	21	38
10	33	36	98	86	138	70	62	35	32	15	18	35
11	32	36	97	149	308	73	55	31	31	13	17	37
12	32	37	112	121	285	75	53	29	28	12	16	33
13	30	40	296	97	173	86	52	33	26	12	29	31
14	30	41	421	87	134	164	50	34	22	11	57	28
15	29	40	235	81	126	165	48	47	21	10	66	26
16	30	42	155	79	115	108	45	44	55	10	43	25
17	29	42	134	79	109	89	43	37	30	14	28	36
18	30	40	124	93	115	80	43	33	24	15	22	36
19	30	40	115	156	136	91	43	32	22	14	20	35
20	30	41	108	159	118	213	43	32	22	13	28	28
21	30	58	103	109	105	244	57	30	20	11	101	26
22	30	813	100	92	100	153	62	28	18	11	52	24
23	30	1520	101	88	98	107	49	31	18	12	29	23
24	32	405	102	80	92	94	46	27	17	13	24	22
25	32	190	99	75	87	87	44	25	18	16	20	21
26	31	141	91	80	83	83	42	24	16	26	19	20
27	31	124	90	84	82	83	40	27	16	21	18	20
28	41	108	97	70	84	80	37	60	19	17	19	20
29	47	129	120	69	---	76	35	49	42	16	23	23
30	40	283	108	76	---	72	34	40	39	15	58	24
31	46	---	96	71	---	70	---	33	---	16	184	---
TOTAL	1503	4671	4538	2907	3560	3029	1555	1081	777	476	1037	1309
MEAN	48.5	156	146	93.8	127	97.7	51.8	34.9	25.9	15.4	33.5	43.6
MAX	230	1520	421	159	308	244	70	61	55	26	184	167
MIN	25	36	90	69	69	68	34	24	16	10	13	20
CFSM	.45	1.43	1.34	.86	1.17	.90	.48	.32	.24	.14	.31	.40
IN.	.51	1.59	1.55	.99	1.21	1.03	.53	.37	.27	.16	.35	.45

CAL YR 1985 TOTAL 27497 MEAN 75.3 MAX 1520 MIN 17 CFSM .69 IN 9.38
WTR YR 1986 TOTAL 26443 MEAN 72.4 MAX 1520 MIN 10 CFSM .66 IN 9.02

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 mi^2, 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 determination of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen is by the U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM)	PH (STAND-ARD UNITS)	PH LAB (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	TEMPER-ATURE, AIR (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)
NOV										
06...	0835	1150	95	87	6.80	6.70	15.0	13.5	5.2	51
12...	1030	950	90	95	6.90	6.90	17.0	21.0	5.9	60
DEC										
04...	1100	4100	66	64	6.70	6.70	13.0	13.0	5.7	53
JAN										
08...	1020	1900	66	63	6.80	6.90	7.0	14.0	7.3	59
FEB										
05...	1100	1450	76	72	6.90	6.90	13.0	17.5	5.1	48
MAR										
05...	0930	2050	83	76	7.10	6.90	11.5	14.5	5.8	53
APR										
08...	1055	1530	98	92	7.00	6.90	21.5	28.5	3.8	43
MAY										
07...	0920	290	128	124	7.30	7.30	22.0	25.0	4.1	47
JUN										
10...	0935	190	148	139	7.40	7.40	28.5	32.5	3.4	43
JUL										
08...	0920	128	125	125	7.50	7.50	29.0	35.0	4.0	51
AUG										
12...	0940	98	205	204	7.60	7.70	27.5	25.0	4.1	51
SEP										
09...	0905	780	97	98	6.70	6.70	23.5	22.5	4.5	52

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)	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO2)	ALKA-LINITY LAB (MG/L AS CACO3)	SOLIDS, RESIDUE 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)
NOV										
06...	110	8.0	38	1.3	--	6.1	20	1	0.070	0.050
12...	90	6.0	31	1.3	20	5.4	22	<1	0.060	<0.020
DEC										
04...	120	6.0	46	1.6	80	5.8	15	<1	<0.020	0.050
JAN										
08...	80	5.0	22	0.6	50	4.6	15	<1	0.170	0.040
FEB										
05...	80	7.0	26	2.3	130	4.9	20	5	0.120	0.140
MAR										
05...	90	7.0	28	1.0	330	3.8	25	3	0.090	0.060
APR										
08...	110	8.0	34	1.7	50	5.8	30	<1	0.180	0.080
MAY										
07...	35	7.0	15	1.3	80	4.0	41	10	0.430	0.060
JUN										
10...	35	5.0	15	1.4	140	3.3	43	7	0.370	0.050
JUL										
08...	20	3.0	--	--	50	2.3	38	<1	0.180	0.050
AUG										
12...	25	6.0	--	2.3	20	3.1	63	9	0.200	0.090
SEP										
09...	110	5.0	--	1.1	230	6.2	16	5	0.170	0.050

02202190 OGEECHEE RIVER NEAR OLIVER, GA.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	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)
NOV					
06...	0.35	0.40	0.47	0.070	14
12...	--	0.80	0.86	0.070	18
DEC					
04...	0.85	0.90	--	0.050	20
JAN					
08...	0.46	0.50	0.67	0.040	10
FEB					
05...	0.0	0.10	0.22	0.040	14
MAR					
05...	0.54	0.60	0.69	0.050	12
APR					
08...	0.52	0.60	0.78	0.080	14
MAY					
07...	0.04	0.10	0.53	0.090	7.0
JUN					
10...	0.15	0.20	0.57	0.100	5.4
JUL					
08...	--	--	--	0.090	6.4
AUG					
12...	--	--	--	0.170	6.2
SEP					
09...	--	--	--	0.080	14

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 mi^2, 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.--Estimated daily discharges: July 16 to Aug. 1. Records good, except those for periods of no gage-height record, July 16 to Aug. 1, and once-daily readings, Aug. 2-14, which are fair.
AVERAGE DISCHARGE.--49 years, 2,316 ft^3/s, 11.87 in/yr.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 28,800 ft^3/s Mar. 19, 1980, gage height, 14.77 ft; minimum daily, 114 ft^3/s July 23 and 24, 1986.
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 ft^3/s.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 4,800 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Nov. 25	1000	7,320	10.07	Feb. 16	1000	9,130	10.59
Dec. 20	0400	*10,800	*11.01				

Minimum daily discharge, 114 ft^3/s July 23 and 24.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	407	502	5630	2800	2100	2950	2580	580	232	246	122	796
2	391	630	5500	2670	2070	2820	2560	556	227	240	124	786
3	374	765	5110	2570	2030	2710	2570	525	237	220	138	810
4	369	864	4820	2490	1960	2610	2590	497	260	206	141	818
5	472	940	4700	2420	1910	2520	2570	471	309	205	152	854
6	496	1010	4630	2340	2050	2430	2460	445	353	213	161	867
7	456	1090	4590	2290	2280	2340	2270	417	374	224	167	847
8	442	1180	4720	2250	2550	2250	2070	396	352	227	164	842
9	455	1260	4950	2210	2950	2160	1850	377	310	215	152	847
10	485	1320	5040	2180	3160	2070	1670	347	307	192	144	852
11	555	1320	4860	2220	4060	1980	1550	328	372	182	138	842
12	626	1280	4520	2240	5290	1900	1460	337	326	172	141	829
13	676	1200	4260	2320	6860	1860	1360	347	293	170	180	804
14	705	1100	4010	2400	7730	2030	1270	363	262	166	291	761
15	713	1020	3770	2460	8510	2270	1210	429	249	164	241	710
16	696	945	3870	2530	9040	2570	1160	438	243	160	219	671
17	650	892	4650	2610	8630	2810	1120	448	245	150	200	648
18	575	843	6900	2700	7920	3000	1070	476	271	145	190	633
19	507	799	9950	2750	7210	3050	1020	496	311	135	196	612
20	460	795	10700	2740	6510	3060	970	506	316	125	239	569
21	430	1130	9670	2710	5780	3040	927	532	305	120	257	504
22	408	2010	8150	2660	5110	3000	879	495	273	116	298	442
23	386	3410	6800	2580	4560	3000	823	463	259	114	322	389
24	371	5900	5800	2470	4100	3020	767	426	264	114	357	353
25	361	7200	5000	2350	3760	3030	718	385	270	116	388	336
26	340	6780	4370	2280	3450	3020	676	345	260	116	422	330
27	328	6410	3870	2230	3220	3000	648	314	247	118	469	323
28	330	6380	3460	2180	3100	2940	628	302	237	118	493	313
29	350	6330	3200	2160	---	2850	612	280	231	120	514	298
30	385	6000	3070	2150	---	2760	597	266	234	120	601	283
31	437	---	2940	2130	---	2660	---	247	---	120	768	---
TOTAL	14636	71305	163510	75090	127900	81710	42655	12834	8429	5049	8389	18969
MEAN	472	2377	5275	2422	4568	2636	1422	414	281	163	271	632
MAX	713	7200	10700	2800	9040	3060	2590	580	374	246	768	867
MIN	328	502	2940	2130	1910	1860	597	247	227	114	122	283
CFSM	.18	.90	1.99	.91	1.72	1.00	.54	.16	.11	.06	.10	.24
IN.	.21	1.00	2.30	1.05	1.80	1.15	.60	.18	.12	.07	.12	.27

CAL YR 1985 TOTAL 529377 MEAN 1450 MAX 10700 MIN 211 CFSM .55 IN 7.43
WTR YR 1986 TOTAL 630476 MEAN 1727 MAX 10700 MIN 114 CFSM .65 IN 8.85

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.--
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 1985 TO SEPTEMBER 1986

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM)	PH (STAND-ARD UNITS)	PH LAB (STAND-ARD UNITS)	TEMPER-ATURE WATER (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)	BICAR-BONATE IT-FLD (MG/L AS HCO3)	ALKA-LINITY, CARBON-ATE IT-FLD (MG/L - CACO3)	ALKA-LINITY LAB (MG/L AS CACO3)
OCT												
02...	1400	393	100	104	7.30	6.90	22.5	7.1	82	37	31	30
JAN												
13...	1445	2330	65	73	7.00	7.30	7.0	10.3	85	--	--	16
MAR												
03...	1400	2690	66	73	7.10	7.30	11.0	9.7	89	23	19	16
JUN												
12...	0900	326	123	118	7.30	7.40	28.5	5.8	75	43	35	36
JUL												
21...	1100	120	160	168	7.60	7.90	31.0	6.5	88	67	55	55
AUG												
18...	1130	188	160	164	7.00	7.60	28.5	5.9	77	52	43	45

DATE	TUR-BID-ITY (NTU)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD-NESS (MG/L AS CACO3)	HARD-NESS NONCARB WH WAT TOT LAB 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)	PERCENT SODIUM	SODIUM AD-SORP-TION RATIO	POTAS-SIUM, DIS-SOLVED (MG/L AS K)
OCT											
02...	2.5	34	120	30	0	9.6	1.4	9.4	39	0.8	1.4
JAN											
13...	4.0	41	26	23	7	6.7	1.4	4.7	30	0.4	1.5
MAR											
03...	6.0	60	22	22	6	6.7	1.3	5.2	32	0.5	1.5
JUN											
12...	3.0	74	73	31	0	10	1.4	12	44	1	1.5
JUL											
21...	2.2	28	K15	36	0	12	1.5	20	53	2	1.5
AUG											
18...	2.2	41	98	31	0	10	1.5	20	56	2	1.9

DATE	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO2)	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)
OCT									
02...	2.9	6.6	9.7	<0.10	10	84	67	89	0.11
JAN									
13...	3.1	9.6	8.0	<0.10	10	54	52	340	0.07
MAR									
03...	2.9	11	7.3	<0.10	4.4	66	49	479	0.09
JUN									
12...	3.4	10	7.6	<0.10	11	83	76	73	0.11
JUL									
21...	2.7	14	9.6	0.10	7.0	101	99	33	0.14
AUG									
18...	8.3	17	13	0.10	10	117	100	59	0.16

02202500 OGEECHEE RIVER NEAR EDEN, GA.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	NITRO-GEN, NITRITE DIS-SOLVED (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,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)
OCT									
02...	<0.010	0.160	<0.010	0.030	--	0.60	0.110	0.060	0.030
JAN									
13...	0.010	0.170	0.020	0.020	0.48	0.50	0.030	0.020	0.010
MAR									
03...	<0.010	0.110	0.030	0.040	0.77	0.80	0.070	0.040	0.020
JUN									
12...	0.020	0.330	0.040	0.560	0.46	0.50	0.090	0.100	0.080
JUL									
21...	<0.010	0.120	0.040	0.140	0.56	0.60	0.080	0.060	<0.050
AUG									
18...	0.010	0.200	0.030	0.220	0.57	0.60	0.080	0.070	0.060

DATE	ALUM-INUM, DIS-SOLVED (UG/L AS AL)	ARSENIC DIS-SOLVED (UG/L AS AS)	BARIUM, DIS-SOLVED (UG/L AS BA)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE)	CADMIUM DIS-SOLVED (UG/L AS CD)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR)	COBALT, DIS-SOLVED (UG/L AS CO)	COPPER, DIS-SOLVED (UG/L AS CU)	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, DIS-SOLVED (UG/L AS PB)
OCT										
02...	60	<1	23	<0.5	<1	<1	<3	1	680	4
JAN										
13...	190	<1	23	<0.5	<1	<1	<3	1	490	<1
JUN										
12...	60	<1	27	<0.5	<1	<1	<3	2	370	<5

DATE	LITHIUM DIS-SOLVED (UG/L AS LI)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MERCURY DIS-SOLVED (UG/L AS HG)	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)	ZINC, DIS-SOLVED (UG/L AS ZN)
OCT										
02...	<4	49	2.2	<10	<1	<1	<1	34	<6	11
JAN										
13...	<4	17	0.4	<10	2	<1	<1	23	<6	4
JUN										
12...	<4	88	<0.1	<10	3	<1	<1	39	<6	99

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	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
OCT						
02...	1405	393	22.5	4	4.2	96
JAN						
13...	1450	2330	7.0	3	19	88
MAR						
03...	1405	2690	11.0	6	44	93
JUN						
12...	0905	326	28.5	5	4.4	73
JUL						
21...	1105	120	31.0	6	1.9	75
AUG						
18...	1135	188	28.5	6	3.0	91

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 mi^2.
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.--No estimated daily discharges. Records good.
AVERAGE DISCHARGE.--6 years, 136 ft^3/s, 7.95 in/yr.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 5,480 ft^3/s, Nov. 24, 1985, gage height, 12.84 ft; zero flow was observed August 19, 1954.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 900 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Nov. 24	0500	*5,480	*12.84	Nov. 17	0100	1,020	8.84
Feb. 12	2300	3,860	11.89				

Minimum daily discharge, 0.64 ft^3/s July 23.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.4	135	583	153	154	144	81	3.3	2.7	2.2	.78	255
2	2.9	162	640	156	145	147	74	2.2	2.5	2.0	.82	152
3	3.7	204	678	156	136	143	66	1.9	2.3	1.9	2.2	107
4	5.3	226	702	162	127	138	58	1.8	2.7	1.8	8.5	95
5	47	191	674	155	122	134	51	1.9	2.7	1.6	12	217
6	125	178	609	143	256	126	45	1.8	2.6	1.7	13	409
7	121	169	479	132	625	117	40	1.8	2.6	1.6	21	400
8	97	161	375	121	1110	108	38	1.9	2.8	1.5	10	217
9	72	140	321	113	1380	98	39	1.8	2.7	1.2	6.0	145
10	53	117	287	113	1340	92	50	1.7	5.7	1.2	4.2	94
11	70	99	258	155	1870	89	59	1.6	45	1.2	3.3	72
12	97	87	224	203	3360	88	53	1.5	43	1.3	2.8	56
13	108	82	263	260	3400	93	45	1.5	18	1.9	50	45
14	110	80	392	292	2230	219	38	1.6	9.2	3.3	172	36
15	92	82	460	290	1470	454	31	1.5	6.4	2.3	97	29
16	69	78	535	260	1080	876	25	1.8	5.2	1.8	48	23
17	52	71	532	218	869	995	21	1.5	4.4	1.4	25	19
18	40	65	495	186	708	849	17	1.3	30	1.2	15	16
19	33	59	411	171	574	659	13	1.3	86	1.0	17	14
20	28	113	318	157	495	485	11	4.6	28	.96	21	11
21	24	695	261	148	417	391	9.6	23	13	.88	17	9.4
22	21	1740	214	141	343	327	8.2	17	7.9	.74	26	8.1
23	19	3840	185	144	316	277	7.0	13	5.4	.64	18	6.8
24	19	5050	167	163	280	223	6.0	7.6	4.2	.65	11	6.0
25	18	3170	156	166	245	189	5.4	5.2	4.1	.68	7.6	5.0
26	16	1900	146	174	205	164	4.7	5.7	3.5	.75	6.3	4.6
27	14	1300	137	191	178	146	3.8	9.6	3.2	.84	6.8	4.0
28	22	985	132	189	154	132	3.5	6.3	2.8	.83	11	3.2
29	42	787	140	178	---	116	3.1	4.5	2.5	.86	41	3.6
30	45	666	146	172	---	102	2.7	3.7	2.3	.97	131	4.6
31	75	---	147	165	---	90	---	3.1	---	.94	268	---
TOTAL	1543.3	22632	11067	5427	23589	8211	909.0	137.0	353.4	41.84	1073.30	2467.3
MEAN	49.8	754	357	175	842	265	30.3	4.42	11.8	1.35	34.6	82.2
MAX	125	5050	702	292	3400	995	81	23	86	3.3	268	409
MIN	2.4	59	132	113	122	88	2.7	1.3	2.3	.64	.78	3.2
CFSM	.22	3.25	1.54	.75	3.63	1.14	.13	.02	.05	.006	.15	.35
IN.	.25	3.63	1.77	.87	3.78	1.32	.15	.02	.06	.01	.17	.40

CAL YR 1985 TOTAL 45824.30 MEAN 126 MAX 5050 MIN .37 CFSM .54 IN 7.35
WTR YR 1986 TOTAL 77451.14 MEAN 212 MAX 5050 MIN .64 CFSM .91 IN 12.42

02203000 CANOOCHEE RIVER NEAR CLAXTON, GA.

LOCATION.--Lat 32°11'05", long 81°53'20", Evans County, Hydrologic Unit 03060208, 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 mi^2, 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.--No estimated daily discharges. Records good.
AVERAGE DISCHARGE.--49 years, 462 ft^3/s, 11.30 in/yr.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 12,600 ft^3/s May 26, 1966, gage height, 16.58 ft; minimum daily discharge 0.62 ft^3/s Nov. 8, 19, 1983.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,800 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Nov. 24	0100	*7,230	*14.09	Feb. 13	0900	5,080	13.00
Dec. 17	1900	4,560	12.69				

Minimum daily discharge, 0.70 ft^3/s July 21.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13	736	1640	841	525	675	406	11	10	2.5	1.7	3.2
2	23	876	1510	825	524	660	360	9.8	8.7	2.5	1.9	3.1
3	52	854	1500	813	483	630	314	8.1	34	2.7	1.5	8.1
4	91	939	1520	779	442	616	283	7.2	27	2.3	1.4	9.7
5	127	1020	1460	768	444	650	279	6.6	12	1.9	1.4	72
6	160	974	1470	761	664	656	262	6.2	9.7	1.8	1.3	134
7	274	1010	1560	724	1170	627	221	6.7	7.3	1.8	1.6	142
8	275	953	1520	683	1600	560	194	9.3	5.6	2.0	1.8	113
9	228	748	1460	645	2060	507	191	10	4.8	1.7	1.6	91
10	172	574	1380	651	1980	472	173	12	4.1	1.4	1.3	87
11	134	481	1290	739	2690	441	151	9.4	3.4	1.2	.98	94
12	111	421	1160	811	3820	436	136	7.4	3.0	.99	.93	92
13	95	369	1150	878	4850	452	127	6.8	2.6	.81	1.8	78
14	80	341	1250	985	3920	669	120	6.7	2.4	.81	3.2	61
15	67	349	1460	1020	3290	962	127	6.5	2.5	.86	3.9	45
16	55	329	3040	981	2860	1190	129	6.6	2.3	1.3	3.1	34
17	47	302	4370	970	2300	1340	111	6.5	2.2	2.0	2.5	27
18	41	280	4230	955	1860	1250	91	6.7	2.4	1.5	2.2	22
19	36	264	3130	884	1560	1050	80	7.0	2.9	1.0	2.1	19
20	33	288	2280	828	1340	988	71	7.2	13	.86	2.1	20
21	31	564	1780	774	1200	984	60	7.0	35	.70	2.4	19
22	40	1950	1480	720	1080	926	49	5.5	24	.71	2.1	16
23	73	6080	1280	697	1020	825	40	5.6	15	.88	1.5	13
24	65	6800	1130	721	936	754	33	5.1	9.4	.85	1.3	10
25	62	4820	1030	738	864	712	29	5.3	6.1	.84	1.4	7.9
26	57	3750	951	754	820	695	25	5.8	4.7	1.4	1.0	6.0
27	46	3230	902	733	772	670	22	5.7	3.9	1.8	.91	4.8
28	515	2760	845	681	716	604	19	5.5	3.3	1.3	2.2	3.8
29	792	2250	812	645	---	525	16	5.4	2.9	2.1	6.3	3.0
30	672	1880	818	587	---	484	13	5.6	2.6	3.7	7.6	2.4
31	605	---	834	526	---	458	---	10	---	2.2	6.0	---
TOTAL	5072	46192	50242	24117	45790	22468	4132	224.2	266.8	48.41	71.02	1241.0
MEAN	164	1540	1621	778	1635	725	138	7.23	8.89	1.56	2.29	41.4
MAX	792	6800	4370	1020	4850	1340	406	12	35	3.7	7.6	142
MIN	13	264	812	526	442	436	13	5.1	2.2	.70	.91	2.4
CFSM	.30	2.78	2.92	1.40	2.95	1.31	.25	.01	.02	.003	.004	.08
IN.	.34	3.10	3.37	1.62	3.07	1.51	.28	.02	.02	.00	.00	.08

CAL YR 1985 TOTAL 134959.90 MEAN 370 MAX 6800 MIN 1.5 CFSM .67 IN 9.05
WTR YR 1986 TOTAL 199864.43 MEAN 548 MAX 6800 MIN .70 CFSM .99 IN 13.40

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 determination of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen is by the U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM)	PH (STAND-ARD UNITS)	PH LAB (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	TEMPER-ATURE, AIR (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)
NOV										
06...	1040	962	--	55	5.10	5.00	15.5	19.0	5.0	--
12...	1240	417	56	56	5.40	5.10	17.0	24.5	5.2	53
DEC										
04...	1255	1510	52	50	5.30	5.30	13.0	16.5	5.7	53
JAN										
08...	1200	684	46	44	5.50	5.80	8.5	11.0	7.0	58
FEB										
05...	1230	434	52	45	5.80	5.70	13.5	15.0	6.3	60
MAR										
05...	1100	651	49	42	5.80	5.60	10.5	15.0	6.3	56
APR										
08...	1220	193	--	49	5.70	5.60	21.5	30.0	3.5	--
MAY										
07...	1140	5.5	60	56	6.00	5.90	22.5	26.0	3.6	42
JUN										
10...	1030	4.3	66	60	6.00	6.00	28.5	32.5	3.2	41
JUL										
08...	1105	2.1	87	80	6.10	6.20	28.5	34.0	2.8	36
AUG										
12...	1215	0.97	66	60	6.50	6.50	26.0	25.0	4.3	53
SEP										
09...	1135	92	91	95	5.40	5.00	24.0	25.0	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)	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO2)	ALKA-LINITY LAB (MG/L AS CACO3)	SOLIDS, RESIDUE 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)
NOV											
06...	140	7.0	1.7	--	46	3.0	4	0.030	0.080	0.060	33
12...	160	5.0	1.8	340	15	2.0	7	0.040	<0.020	0.060	25
DEC											
04...	200	5.0	2.2	80	49	5.0	<1	<0.020	0.090	0.050	29
JAN											
08...	110	8.0	1.0	80	25	4.0	17	0.090	0.060	0.070	16
FEB											
05...	110	7.0	1.5	110	12	4.0	6	0.100	0.180	0.050	12
MAR											
05...	140	10	1.1	80	15	5.0	11	0.080	0.150	0.040	18
APR											
08...	180	9.0	2.0	130	19	5.0	9	0.140	0.150	0.060	25
MAY											
07...	100	8.0	1.5	<20	14	7.0	15	0.140	0.110	0.090	14
JUN											
10...	100	5.0	1.7	330	12	6.0	<1	0.060	0.060	0.040	12
JUL											
08...	80	3.0	--	130	11	7.0	<1	<0.020	0.060	0.080	14
AUG											
12...	55	1.0	2.4	790	6.7	11	<1	<0.020	0.070	0.130	10
SEP											
09...	150	3.0	1.4	50	23	3.0	9	0.030	0.070	0.050	33

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 determination of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen is by the U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM)	SPECIFIC CONDUCTANCE LAB (US/CM)	PH (STANDARD UNITS)	PH LAB (STANDARD UNITS)	TEMPERATURE (DEG C)	TEMPERATURE, AIR (DEG C)	OXYGEN, DISSOLVED (MG/L)	OXYGEN, DISSOLVED (PERCENT SATURATION)
NOV									
05...	1455	--	70	4.90	4.80	16.0	17.5	5.3	--
13...	0830	62	61	5.10	4.90	18.5	19.5	5.6	59
DEC									
03...	1500	78	86	4.70	4.80	16.5	15.0	5.2	52
JAN									
06...	1600	50	46	5.50	5.30	10.5	14.0	5.7	50
FEB									
03...	1430	52	51	5.70	5.60	13.0	22.0	7.0	66
MAR									
03...	1300	51	43	5.50	5.30	13.5	31.0	4.5	43
APR									
07...	0945	58	53	5.80	5.40	21.0	25.0	4.6	51
MAY									
06...	0630	74	72	6.30	6.30	20.5	15.0	6.1	67
JUN									
09...	1145	82	93	6.80	6.60	29.0	34.0	3.4	44
JUL									
07...	1010	104	104	7.00	7.00	30.0	35.0	4.0	52
AUG									
14...	1350	99	94	6.70	7.00	28.0	32.0	4.5	57
SEP									
08...	1255	114	115	5.90	5.90	26.0	30.0	4.1	50

DATE	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (NTU)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	COLIFORM, FECAL, EC BROTH (MPN)	ALKALINITY LAB (MG/L AS CACO3)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
NOV										
05...	--	8.0	3.1	130	2.0	<1	<0.020	0.070	0.070	37
13...	200	5.0	2.7	--	3.0	<1	<0.020	0.050	0.060	29
DEC										
03...	320	5.0	2.0	50	3.0	8	<0.020	0.080	0.060	34
JAN										
06...	150	14	1.2	40	3.0	46	0.120	0.040	0.060	20
FEB										
03...	150	4.0	1.4	<20	6.0	2	0.100	0.090	0.050	15
MAR										
03...	180	5.0	1.3	20	5.0	3	0.080	0.080	0.050	22
APR										
07...	180	9.0	1.5	3300	5.0	4	0.160	0.130	0.100	24
MAY										
06...	120	5.0	2.0	<20	8.0	1	0.490	0.150	0.240	16
JUN										
09...	100	2.0	0.8	50	13	5	0.380	0.080	0.340	11
JUL										
07...	60	4.0	--	2300	20	6	0.360	0.090	0.560	11
AUG										
14...	70	5.0	3.1	490	16	4	0.300	0.100	0.650	12
SEP										
08...	180	4.0	--	--	8.0	2	0.110	0.070	0.250	31

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 mi .
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 determination of Discharge, 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, 45,500 microsiemens Nov. 29, 1975; minimum recorded, 5,650 microsiemens Sept. 1, 1971.
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 reccorded, 1.4 mg/L July 30, 1976.

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM)	SPECIFIC CONDUCTANCE LAB (US/CM)	PH (STANDARD UNITS)	PH LAB (STANDARD UNITS)	TEMPERATURE (DEG C)	TEMPERATURE, AIR (DEG C)	OXYGEN, DISSOLVED (MG/L)	OXYGEN, DISSOLVED (PERCENT SATURATION)
NOV									
05...	1330	41000	37000	7.70	7.90	18.5	23.5	5.3	66
14...	1035	40000	39300	7.60	7.70	21.0	25.0	4.8	62
DEC									
03...	1300	37000	33600	7.60	7.70	19.0	15.5	5.1	62
JAN									
06...	1710	32000	29300	7.70	7.70	11.0	15.0	5.5	56
FEB									
03...	1600	32000	29200	7.70	7.70	12.0	25.0	7.0	73
MAR									
03...	1440	20900	23300	7.50	7.40	14.5	20.0	5.0	53
APR									
07...	0820	29100	26700	7.50	7.40	21.5	22.0	4.5	56
MAY									
06...	0730	32000	31900	7.50	7.50	23.0	17.0	4.3	56
JUN									
09...	1015	29500	34200	7.50	7.50	29.0	33.0	3.4	49
JUL									
07...	0950	30000	36900	7.50	7.50	29.0	29.0	3.1	44
AUG									
14...	1500	36000	37900	7.20	7.80	27.5	25.0	3.8	54
SEP									
08...	1100	40000	36400	7.40	7.50	28.0	31.5	3.3	48

DATE	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (NTU)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	COLIFORM, FECAL, EC BROTH (MPN)	ALKALINITY LAB (MG/L AS CACO3)	CHLORIDE, DISSOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
NOV											
05...	--	11	1.0	<20	115	17000	28	0.030	0.100	0.120	10
14...	10	20	1.0	--	110	--	68	<0.020	0.080	0.120	8.2
DEC											
03...	35	11	3.1	20	109	15000	31	0.030	0.200	0.110	9.9
JAN											
06...	--	9.0	1.0	<20	95	13000	33	<0.020	0.080	0.090	7.2
FEB											
03...	35	5.0	2.8	<20	93	--	17	<0.020	0.050	0.080	7.1
MAR											
03...	120	10	1.5	<20	71	9600	23	<0.020	0.120	0.070	13
APR											
07...	35	9.0	1.5	<20	80	11000	18	<0.020	0.090	0.060	8.5
MAY											
06...	40	16	1.0	<20	90	13000	36	<0.020	0.150	0.070	10
JUN											
09...	25	8.0	2.4	20	104	16000	15	<0.020	0.230	0.050	13
JUL											
07...	30	7.0	--	2300	112	18000	20	<0.020	0.130	0.100	9.7
AUG											
14...	20	22	1.1	<20	115	17000	55	0.030	0.350	0.170	10
SEP											
08...	25	11	--	--	112	--	32	<0.020	0.310	0.110	7.6

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 mi^2.
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 determination of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen is by the U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM)	PH (STAND-ARD UNITS)	PH LAB (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	TEMPER-ATURE, AIR (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)
NOV										
05...	0930	18	205	--	7.30	7.30	11.5	10.0	5.2	49
20...	1230	18	215	205	6.90	7.00	18.0	23.0	3.9	42
DEC										
04...	1430	32	--	198	7.10	7.10	14.5	9.0	4.4	43
JAN										
06...	1000	24	--	181	6.90	7.20	3.0	4.0	5.6	--
FEB										
05...	1230	66	--	206	7.00	6.90	13.0	17.0	7.3	--
MAR										
06...	1130	26	--	221	6.80	6.90	9.0	15.0	6.5	--
APR										
01...	1100	26	--	195	7.30	7.10	15.0	28.0	10.2	--
MAY										
07...	1215	6.7	--	208	7.20	7.10	19.5	27.5	7.2	--
JUN										
11...	1045	20	155	158	6.90	7.00	23.0	32.0	4.3	51
JUL										
08...	0830	4.7	197	202	7.30	7.40	26.0	30.5	5.2	66
AUG										
14...	1130	24	175	174	6.90	7.20	23.5	26.5	5.3	64
SEP										
03...	1145	165	130	127	6.80	7.10	22.0	25.5	5.1	60

DATE	TUR-BID-ITY (NTU)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, FECAL, EC BROTH (MPN)	ALKA-LINITY LAB (MG/L AS CACO3)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (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)
NOV										
05...	19	13	280000	58	5	144	0.340	1.28	0.490	14
20...	12	2.8	23000	57	3	136	0.090	0.420	0.660	6.7
DEC										
04...	26	>16	70000	53	12	144	0.580	0.520	0.490	14
JAN										
06...	25	2.2	700	40	2	108	0.830	0.560	0.140	4.5
FEB										
05...	50	13	17000	31	47	180	0.640	0.950	0.260	16
MAR										
06...	14	12	180000	56	10	160	0.340	0.560	0.360	12
APR										
01...	10	3.6	17000	54	<1	112	0.620	0.300	0.120	7.2
MAY										
07...	10	4.4	7900	57	8	128	0.620	0.410	0.140	4.9
JUN										
11...	64	12	5400000	37	54	200	0.450	0.440	0.340	9.3
JUL										
08...	12	--	4900	49	6	--	0.640	0.430	0.220	5.9
AUG										
14...	14	8.6	9200000	46	14	--	0.200	0.570	0.330	0.5
SEP										
03...	410	>16	1100000	33	780	--	0.480	2.00	0.670	29

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 determination of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen is by the U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM)	SPECIFIC CONDUCTANCE LAB (US/CM)	PH (STANDARD UNITS)	PH LAB (STANDARD UNITS)	TEMPERATURE (DEG C)	TEMPERATURE, AIR (DEG C)	OXYGEN, DISSOLVED (MG/L)	OXYGEN, DISSOLVED (PERCENT SATURATION)
NOV									
05...	1030	220	238	7.60	7.70	11.0	11.5	6.8	63
20...	1200	300	287	7.30	7.80	19.0	23.5	7.7	84
DEC									
05...	1000	--	222	7.30	7.60	10.0	8.0	7.4	66
JAN									
06...	1030	--	294	7.10	7.70	3.0	4.0	6.8	--
FEB									
05...	1315	--	202	6.90	7.40	12.5	17.5	8.9	--
MAR									
06...	1215	--	254	7.00	7.50	10.5	15.0	11.1	--
APR									
01...	1025	285	260	7.50	7.40	15.5	23.0	9.2	93
MAY									
07...	1245	360	366	7.80	7.70	20.5	28.0	8.6	97
JUN									
11...	1000	135	135	6.90	7.00	23.0	30.0	6.5	77
JUL									
08...	0900	400	404	7.70	7.80	26.0	31.0	5.8	73
AUG									
14...	1200	200	205	7.20	7.70	24.0	26.5	6.9	84
SEP									
03...	1215	140	141	6.80	7.30	21.0	25.5	7.6	87

DATE	TURBIDITY (NTU)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	COLIFORM, FECAL, EC BROTH (MPN)	ALKALINITY LAB (MG/L AS CACO3)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (MG/L)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
NOV										
05...	10	1.1	790	65	3	148	2.40	0.140	0.350	10
20...	5.0	1.4	20	82	5	152	1.86	0.120	0.440	4.4
DEC										
05...	15	1.9	130	62	11	160	1.26	1.64	0.170	4.9
JAN										
06...	10	6.5	270	89	40	204	0.740	4.50	1.38	8.9
FEB										
05...	36	>9.0	2300	59	48	180	0.850	1.62	0.560	9.2
MAR										
06...	5.0	1.5	330	59	6	160	3.27	0.110	0.290	3.6
APR										
01...	8.0	0.8	170	64	<1	120	1.94	0.100	0.200	9.2
MAY										
07...	7.0	1.4	170	98	9	224	2.19	0.120	0.500	6.0
JUN										
11...	180	5.1	110000	27	192	308	1.21	0.180	0.340	5.6
JUL										
08...	8.0	--	330	84	1	--	6.40	0.090	0.320	10
AUG										
14...	35	3.3	11000	53	30	--	1.18	0.250	0.170	9.2
SEP										
03...	68	3.0	8000	35	92	--	0.890	0.160	0.210	8.1

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 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 mi^2.

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.--Estimated daily discharges: Sept. 12-30. Records good, except those for period of no gage-height record, Sept. 12-30, and those below 100 ft^3/s, which are fair. Streamflow includes some water diverted from the Chattahoochee River by DeKalb County and City of Atlanta for municipal supply.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 5,230 ft^3/s Dec. 6, 1983, gage height, 9.55 ft; minimum daily discharge, 54 ft^3/s July 16 and Aug. 26, 1986.
EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Apr. 30, 1963 reached a stage of 11.80 ft, discharge 9,630 ft^3/s, revised.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 4,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)
Nov. 30	1545	*4,140	*8.94

Minimum daily discharge, 54 ft^3/s July 16 and Aug. 26.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	974	294	680	322	119	118	138	103	103	89	307	365
2	1210	162	510	151	121	119	136	102	100	188	136	176
3	224	155	241	140	122	121	135	97	111	89	82	317
4	156	172	201	132	118	115	134	96	96	75	70	270
5	130	121	181	136	173	117	131	98	93	68	62	450
6	117	114	166	128	201	116	131	96	93	66	67	126
7	112	111	155	126	189	115	130	99	92	66	61	125
8	109	109	151	122	134	111	131	176	101	66	74	102
9	107	107	147	120	126	112	217	110	200	64	205	87
10	108	110	140	123	179	116	133	97	366	72	274	81
11	102	110	138	121	442	118	125	96	386	64	151	73
12	101	107	238	124	185	116	124	125	121	62	173	110
13	101	109	643	125	150	856	125	279	100	60	85	90
14	109	109	241	118	151	784	124	133	90	64	104	70
15	101	110	186	119	384	275	120	110	86	60	75	66
16	104	108	174	118	185	195	115	103	212	54	72	63
17	125	109	154	124	162	173	113	113	106	63	149	62
18	102	109	146	123	221	155	115	100	86	63	71	300
19	99	108	140	342	188	406	115	265	81	57	74	120
20	99	109	138	155	152	1260	116	209	78	55	67	80
21	107	223	135	138	144	384	159	123	78	57	69	70
22	137	530	134	124	138	237	142	104	73	77	104	110
23	166	183	136	124	135	201	118	99	74	66	74	70
24	111	140	135	120	132	183	115	96	71	256	60	66
25	106	129	130	118	130	169	117	104	68	281	60	62
26	103	128	125	210	126	160	115	274	67	180	54	60
27	108	133	132	160	127	159	112	116	67	104	225	68
28	372	126	134	127	130	149	109	205	216	127	156	55
29	144	293	131	137	---	145	107	372	108	75	88	60
30	113	2800	127	130	---	143	104	187	77	64	67	62
31	121	---	139	122	---	140	---	116	---	60	81	---
TOTAL	5878	7228	6228	4479	4764	7568	3806	4403	3600	2792	3397	3816
MEAN	190	241	201	144	170	244	127	142	120	90.1	110	127
MAX	1210	2800	680	342	442	1260	217	372	386	281	307	450
MIN	99	107	125	118	118	111	104	96	67	54	54	55
CFSM	1.04	1.32	1.10	.79	.93	1.34	.70	.78	.66	.50	.60	.70
IN.	1.20	1.48	1.27	.92	.97	1.55	.78	.90	.74	.57	.69	.78

CAL YR 1985 TOTAL 85266 MEAN 234 MAX 2800 MIN 73 CFSM 1.29 IN 17.43
WTR YR 1986 TOTAL 57959 MEAN 159 MAX 2800 MIN 54 CFSM .87 IN 11.85

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 since December 1983. Water Temperature and Dissolved Oxygen recorded hourly.
REMARKS.--Laboratory chemical 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 is 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, 0.5°C Jan. 21, 1985.
DISSOVED OXYGEN: Maximum, 12.4 mg/L Dec. 27, 1985; minimum, 0.7 mg/L Mar. 13, 1986.
EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURES: Maximum recorded, 30.0°C July 19, 20, 21; minimum 1.5°C Jan. 28.
DISSOVLED OXYGEN: Maximum, 12.4 mg/L Dec. 27; minimum, 0.7 mg/L Mar. 13.

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM)	PH (STAND-ARD UNITS)	PH LAB (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	TEMPER-ATURE, AIR (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)
NOV										
05...	1115	121	220	210	7.60	7.60	13.0	11.0	9.1	88
20...	1130	106	260	247	7.40	7.60	18.5	23.5	7.8	84
DEC										
05...	1030	183	--	192	7.30	7.50	9.5	8.0	9.9	87
JAN										
06...	1100	131	--	258	7.30	7.50	5.0	4.5	10.8	--
FEB										
05...	1345	167	--	250	7.10	7.50	13.0	18.0	8.7	--
MAR										
06...	1245	113	--	228	7.00	7.50	10.5	15.0	10.4	95
APR										
01...	1000	137	260	238	7.40	7.30	15.5	22.0	8.7	88
MAY										
07...	1330	93	--	334	7.60	7.60	20.0	28.0	7.7	--
JUN										
11...	0915	367	109	105	6.80	6.70	23.0	28.5	5.5	65
JUL										
08...	0945	71	335	333	7.50	7.60	26.0	32.0	5.1	64
AUG										
14...	1230	121	310	312	7.20	7.80	24.5	26.0	6.2	76
SEP										
03...	1245	275	150	145	6.80	7.20	21.5	26.0	7.0	81

DATE	TUR-BID-ITY (NTU)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, FECAL, EC BROTH (MPN)	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO2)	ALKA-LINITY LAB (MG/L AS CACO3)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (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)
NOV											
05...	14	1.3	1400	2.8	57	5	156	1.76	0.170	0.430	5.9
20...	12	1.0	410	5.5	71	16	152	1.17	0.120	0.670	4.5
DEC											
05...	19	1.4	70	5.0	52	16	124	1.02	1.34	0.200	4.9
JAN											
06...	10	2.2	50	7.3	75	<1	140	0.870	3.40	0.470	6.8
FEB											
05...	11	7.3	50	12	77	11	152	1.17	2.34	0.330	6.2
MAR											
06...	10	1.7	50	11	56	11	140	2.08	0.110	0.360	5.1
APR											
01...	12	0.7	90	4.6	60	12	144	1.70	0.100	0.280	6.1
MAY											
07...	12	1.1	490	4.2	87	17	220	1.76	0.140	0.580	13
JUN											
11...	360	6.0	330000	6.1	20	532	608	0.910	0.220	0.830	12
JUL											
08...	15	--	330	4.0	66	7	--	6.00	0.640	0.570	4.7
AUG											
14...	34	1.5	900	9.0	74	44	--	2.52	0.130	0.390	5.8
SEP											
03...	120	3.9	2300	10	34	150	--	1.13	0.170	0.390	9.0

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

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	20.5	19.5	18.0	16.5	---	---	8.0	6.0	---	---	11.5	9.0
2	20.0	19.5	18.0	17.5	---	---	9.0	6.5	---	---	12.0	8.0
3	21.5	20.0	17.5	17.0	12.0	9.5	10.5	8.5	12.5	11.0	14.0	10.0
4	22.0	19.0	17.0	13.5	10.5	8.5	9.5	8.5	12.5	10.0	12.5	8.5
5	21.5	19.0	14.0	12.5	10.5	9.0	9.0	7.0	14.0	12.0	12.5	8.0
6	19.0	16.5	14.5	11.5	10.5	8.5	7.5	5.5	14.0	13.0	13.5	9.0
7	17.5	15.0	14.0	11.5	9.5	7.5	8.5	6.5	13.5	11.5	13.5	8.5
8	17.0	15.0	14.0	11.5	10.5	7.5	7.5	6.0	12.5	10.5	12.5	8.5
9	20.0	16.5	13.5	10.5	11.5	8.5	6.5	4.0	12.5	9.5	14.0	9.0
10	20.5	17.0	15.0	11.5	11.5	8.5	8.5	6.0	12.0	11.5	15.5	11.0
11	21.0	18.0	16.5	13.0	13.0	10.0	9.0	6.5	12.0	9.0	18.0	14.5
12	21.0	18.0	18.0	15.0	14.0	12.5	8.5	6.0	8.5	6.5	18.5	15.5
13	21.0	20.0	19.0	17.5	15.0	13.5	8.0	6.5	7.5	5.0	17.5	15.5
14	22.5	20.0	19.0	16.5	13.5	8.0	8.0	5.5	6.5	5.0	15.5	14.5
15	23.0	20.5	19.0	17.0	8.0	5.5	8.5	6.0	8.5	6.5	16.0	14.0
16	23.0	21.5	19.5	17.5	8.5	5.0	9.0	6.0	10.0	6.5	16.0	14.0
17	22.0	21.0	20.0	17.5	8.5	5.0	11.0	8.0	12.0	8.5	16.5	13.0
18	22.0	20.5	19.5	17.0	8.5	6.0	12.0	10.0	14.5	11.0	18.0	13.5
19	22.5	20.0	19.0	17.5	8.0	6.0	13.0	11.0	14.5	13.0	17.5	17.0
20	22.0	19.5	19.5	18.0	7.5	5.5	11.0	9.5	16.0	12.5	16.5	12.0
21	22.0	20.0	19.5	18.5	6.5	5.0	10.5	8.0	15.0	14.0	12.5	10.5
22	20.5	19.0	18.5	17.0	7.0	4.0	11.5	8.5	15.0	14.0	12.5	9.0
23	19.0	18.0	17.5	15.5	9.0	5.5	11.5	9.5	15.0	12.0	13.5	9.0
24	19.5	18.5	17.0	15.0	10.0	7.0	9.5	7.5	12.5	10.0	15.5	10.5
25	21.0	18.5	17.0	16.0	8.5	4.5	9.0	7.5	12.5	9.5	17.0	12.5
26	19.5	18.5	18.0	16.0	4.5	3.0	9.5	7.5	13.0	10.0	18.0	14.0
27	18.5	17.0	20.0	17.0	6.0	3.0	7.5	3.0	15.0	12.0	19.0	14.5
28	17.5	16.5	20.0	18.5	7.5	5.5	3.5	1.5	13.0	10.0	18.5	14.0
29	17.5	15.5	19.5	19.0	8.0	6.0	5.5	3.0	---	---	18.5	14.0
30	15.5	14.5	---	---	7.0	5.0	7.5	4.5	---	---	19.0	14.0
31	16.5	14.5	---	---	6.5	5.0	8.0	5.0	---	---	20.0	15.0
MONTH	23.0	14.5	20.0	10.5	15.0	3.0	13.0	1.5	16.0	5.0	20.0	8.0
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	20.0	15.5	22.0	18.5	26.0	22.0	26.5	24.5	---	---	20.0	19.5
2	21.0	16.0	22.0	18.5	25.5	22.5	26.5	24.5	---	---	21.0	19.5
3	20.5	16.5	21.0	17.5	24.5	21.0	27.0	23.5	---	---	22.0	21.0
4	21.0	16.5	20.5	16.0	23.0	20.5	26.5	23.0	---	---	24.0	22.0
5	21.0	17.0	21.0	16.0	23.5	21.0	27.0	23.5	27.5	24.5	25.0	23.5
6	21.0	17.0	22.0	18.5	26.0	21.5	27.0	24.5	28.0	25.5	25.0	23.5
7	21.0	17.5	22.5	19.5	25.5	23.0	28.0	25.0	27.0	25.5	26.0	23.0
8	19.5	18.0	24.0	20.0	26.5	23.0	29.0	25.5	26.5	25.0	25.5	22.5
9	19.0	16.0	24.0	20.5	27.0	24.0	29.5	26.5	27.0	24.5	24.5	22.5
10	17.5	13.0	23.0	20.5	25.5	24.0	29.0	26.5	26.0	24.5	24.0	22.5
11	18.0	12.0	22.0	19.0	26.5	23.5	28.5	26.0	26.5	24.0	24.5	22.0
12	16.0	13.0	21.5	19.5	27.0	24.0	29.0	26.0	25.5	24.0	26.0	23.5
13	19.5	12.5	22.5	19.5	26.5	23.5	29.0	26.0	25.5	24.0	25.0	22.5
14	20.0	14.5	24.0	20.5	26.5	23.0	29.0	26.0	25.5	24.0	24.0	21.5
15	20.5	17.0	24.0	20.5	26.5	23.0	29.0	25.5	27.0	24.0	23.5	21.5
16	18.5	16.0	22.5	20.5	26.0	24.0	29.0	26.0	27.5	25.0	24.5	22.0
17	16.0	13.5	24.0	20.0	27.5	23.0	28.5	26.0	26.0	24.0	24.0	22.0
18	17.5	12.0	22.5	20.5	27.0	24.0	29.0	25.5	26.5	24.0	22.0	19.5
19	19.5	14.0	21.5	20.0	26.5	24.0	30.0	26.5	27.0	24.0	23.0	19.0
20	18.0	16.0	22.5	19.5	27.0	24.0	30.0	27.0	26.5	25.0	24.5	21.0
21	18.5	16.0	22.0	18.5	27.5	24.0	30.0	27.0	26.0	24.5	25.5	22.5
22	17.5	15.0	21.5	17.0	27.0	24.0	28.0	26.0	26.5	24.0	25.5	23.0
23	17.0	12.5	22.5	18.0	27.5	23.5	28.0	26.0	28.0	24.5	25.0	22.5
24	18.0	12.0	22.5	19.5	27.5	24.5	27.5	25.5	28.0	25.0	25.0	22.5
25	19.5	13.5	24.0	20.5	28.0	24.5	---	---	28.0	25.5	25.0	23.0
26	22.0	16.0	23.0	21.0	28.0	24.5	---	---	27.5	26.0	25.5	23.0
27	23.5	18.0	24.0	21.5	27.5	25.0	---	---	27.5	25.5	25.5	23.0
28	22.0	19.0	23.0	21.5	26.5	24.5	---	---	25.5	24.0	25.5	23.0
29	22.0	18.0	23.0	21.5	26.5	24.0	---	---	24.0	22.0	25.0	23.0
30	22.5	17.5	25.5	21.5	27.0	24.0	---	---	22.5	19.5	25.0	23.0
31	---	---	25.5	22.5	---	---	---	---	19.5	19.0	---	---
MONTH	23.5	12.0	25.5	16.0	28.0	20.5	30.0	23.0	28.0	19.0	26.0	19.0
YEAR	30.0	1.5										

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

OXYGEN, DISSOLVED (DO), MG/L, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	7.5	5.7	8.2	7.3	---	---	11.3	10.2	---	---	10.7	9.4
2	7.3	6.2	7.8	7.3	---	---	10.4	10.0	---	---	11.2	10.2
3	7.6	7.0	8.2	7.9	9.6	8.7	10.1	9.3	9.4	8.4	10.9	9.7
4	7.3	7.1	8.5	7.8	9.8	9.5	9.8	9.5	9.0	8.2	10.6	9.5
5	7.5	7.2	9.2	8.6	9.9	9.5	10.0	9.3	8.6	7.1	11.1	9.6
6	8.0	7.5	9.2	8.6	10.0	9.7	10.7	10.1	8.6	7.1	10.9	9.5
7	8.5	7.9	9.1	8.7	10.4	9.9	10.6	9.9	8.4	7.5	11.2	9.2
8	8.8	8.2	9.4	8.7	10.4	9.9	10.6	10.2	9.1	8.3	11.5	9.2
9	8.6	7.8	9.7	8.9	10.2	9.9	11.4	10.3	9.5	8.4	11.6	9.5
10	8.4	7.7	9.3	8.6	10.4	9.9	10.9	9.8	9.4	6.0	11.0	8.9
11	8.3	7.5	9.0	8.2	10.1	9.7	10.5	9.7	9.8	8.2	10.5	8.2
12	8.2	7.4	8.5	7.6	9.7	8.8	10.5	9.7	11.1	9.8	10.1	7.5
13	8.0	7.0	7.9	7.3	9.1	7.4	10.2	9.5	11.9	11.0	8.2	.7
14	7.7	6.6	8.3	7.3	9.9	8.8	10.5	9.8	11.8	11.3	8.0	7.1
15	7.5	6.6	8.5	7.7	10.6	9.8	10.5	9.9	11.3	10.0	8.5	7.8
16	7.5	6.6	8.4	7.5	10.7	10.1	10.4	9.8	11.1	10.4	8.8	8.3
17	7.2	6.8	8.3	7.3	10.5	10.1	10.0	9.1	10.6	9.7	9.1	8.5
18	7.5	7.0	8.6	7.4	10.4	10.0	9.3	8.6	9.7	7.7	9.1	8.3
19	7.8	6.9	8.4	7.7	10.7	10.3	8.7	4.9	8.7	7.2	8.3	6.7
20	7.7	6.9	8.4	7.7	10.9	10.6	9.1	7.4	9.0	8.3	9.1	6.1
21	7.8	6.9	8.0	7.6	11.2	10.8	9.8	9.2	8.4	8.0	10.0	9.2
22	7.6	7.0	7.8	5.4	11.4	10.8	9.3	8.7	8.6	8.1	10.4	9.9
23	7.8	7.3	8.5	7.9	11.2	10.5	9.4	8.9	9.1	8.5	10.4	9.5
24	7.6	7.2	8.6	8.1	10.8	10.5	10.1	9.2	9.8	8.8	9.9	9.2
25	7.7	7.2	8.3	7.8	11.1	10.7	10.1	9.5	10.3	9.5	9.5	8.9
26	7.7	7.1	8.0	7.7	12.0	10.8	10.0	9.3	9.8	9.3	9.2	8.5
27	7.8	7.4	7.8	7.1	12.4	11.6	10.8	9.7	9.4	8.7	9.0	8.2
28	8.1	7.3	7.3	7.0	11.7	10.5	12.0	11.0	10.1	8.6	9.2	8.2
29	8.0	7.5	7.3	7.0	11.1	10.4	11.9	10.9	---	---	9.3	8.3
30	8.3	8.0	---	---	11.5	10.6	11.2	10.4	---	---	9.4	8.2
31	8.3	7.9	---	---	11.5	10.8	11.0	10.6	---	---	9.3	8.0
MONTH	8.8	5.7	9.7	5.4	12.4	7.4	12.0	4.9	11.9	6.0	11.6	.7
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	9.3	7.9	7.9	6.8	6.8	5.6	7.1	5.7	---	---	7.8	6.5
2	9.7	7.8	7.7	6.8	6.8	5.8	6.7	5.1	---	---	7.3	6.6
3	9.8	7.6	8.1	6.9	7.2	6.2	6.9	5.4	---	---	7.5	6.5
4	9.8	7.6	8.6	7.1	7.4	6.9	7.2	5.6	---	---	7.1	6.4
5	9.9	7.2	8.8	7.2	7.4	6.9	7.3	5.5	6.8	5.7	7.0	5.0
6	9.8	7.4	8.4	7.1	7.5	6.5	7.6	5.7	7.6	5.8	6.5	6.1
7	9.6	7.1	8.1	6.9	7.3	6.1	7.7	5.2	7.4	6.0	6.8	5.8
8	8.8	6.9	7.3	5.5	6.7	5.8	8.1	5.5	6.9	5.6	6.6	5.8
9	7.7	6.3	6.7	5.8	6.3	.8	8.6	5.3	6.6	2.7	6.7	5.9
10	8.5	6.7	6.9	6.2	6.2	3.1	8.6	5.3	6.4	5.0	6.9	6.0
11	9.2	7.7	7.4	6.5	6.5	5.1	8.5	5.1	7.0	5.7	7.2	6.2
12	8.9	7.9	7.5	6.5	6.2	5.5	8.5	5.1	7.1	6.4	7.0	6.0
13	9.3	7.5	7.4	5.7	6.2	5.6	8.7	4.9	6.5	5.8	7.4	6.2
14	8.8	7.5	6.8	5.9	6.4	5.6	8.7	4.5	6.8	5.8	8.2	6.6
15	8.7	7.2	6.6	5.8	6.5	5.6	9.0	4.5	6.3	5.6	8.6	6.8
16	9.1	7.2	6.7	5.9	6.9	5.6	8.0	3.7	6.4	5.6	9.1	6.8
17	9.5	7.9	6.9	5.9	6.7	5.8	8.9	4.0	6.6	5.8	7.9	6.8
18	10.0	8.3	6.6	6.0	6.7	5.9	9.3	4.3	6.7	6.0	7.7	5.4
19	9.4	7.8	7.2	5.4	7.0	5.9	9.1	4.2	6.9	5.9	7.3	6.6
20	8.1	7.4	7.5	6.9	6.9	5.9	9.2	3.9	7.1	6.0	7.4	6.1
21	8.1	7.5	7.5	6.5	7.4	5.8	8.5	3.8	7.7	5.8	7.3	6.1
22	8.4	7.5	7.6	6.7	7.7	5.7	8.6	4.1	7.1	5.9	7.5	5.9
23	9.0	7.7	7.9	6.7	6.9	5.4	7.9	4.1	6.1	4.7	7.7	6.3
24	9.2	7.8	7.8	6.7	7.5	4.5	---	---	6.3	4.5	7.9	6.3
25	8.9	7.7	7.9	6.6	7.9	4.7	---	---	7.2	4.2	7.9	5.9
26	8.0	6.8	7.2	2.8	8.6	5.0	---	---	6.3	3.7	7.9	5.9
27	7.8	6.4	7.0	6.3	9.0	4.7	---	---	4.8	2.6	8.3	5.9
28	7.7	6.5	7.5	6.4	6.2	3.9	---	---	5.8	4.8	8.3	6.1
29	8.0	6.9	7.4	4.2	6.2	5.1	---	---	6.6	---	8.4	5.9
30	8.1	6.8	7.4	6.1	7.1	5.5	---	---	7.0	6.0	8.2	6.0
31	---	---	6.4	5.9	---	---	---	---	7.6	6.3	---	---
MONTH	10.0	6.3	8.8	2.8	9.0	.8	9.3	3.7	7.7	2.6	9.1	5.0
YEAR	12.4	.7										

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 mi^2.
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 determination of Discharge, Specific Conductance, pH, Water Temperatue, Air Temperature, and Dissolved Oxygen is by the U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM)	PH (STAND-ARD UNITS)	PH LAB (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	TEMPER-ATURE, AIR (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)
NOV										
05...	1215	385	135	129	7.20	7.50	13.0	11.5	6.8	66
20...	0900	335	170	167	7.20	7.30	18.0	20.0	7.4	78
DEC										
05...	1130	680	--	109	7.30	7.30	13.0	8.0	7.2	68
JAN										
06...	1200	570	--	136	7.20	7.40	5.0	5.0	8.2	--
FEB										
06...	0900	610	150	141	6.90	--	12.0	13.5	8.7	82
MAR										
05...	1315	475	--	137	7.00	7.50	8.5	14.0	11.6	--
APR										
01...	0845	475	130	135	7.20	7.10	15.5	15.0	8.4	85
MAY										
05...	1030	293	220	200	7.20	7.50	16.0	23.0	8.4	86
JUN										
11...	0830	550	112	109	6.90	7.00	23.5	28.5	6.0	72
JUL										
08...	1030	90	270	276	7.60	7.60	26.5	32.5	5.5	71
AUG										
14...	0845	325	140	139	7.00	7.50	24.0	23.0	5.9	71
SEP										
03...	0900	400	115	111	6.90	7.20	20.5	22.5	7.0	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 LAB (MG/L AS CACO3)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (MG/L)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)
NOV									
05...	17	6	0.8	1700	36	7	108	0.890	0.060
20...	11	8	1.2	220	45	7	116	0.780	0.080
DEC									
05...	35	10	1.2	1700	28	22	108	0.810	0.210
JAN									
06...	9.0	6	2.2	170	36	<1	60	1.03	0.360
FEB									
06...	16	7	3.4	490	30	18	120	1.24	0.310
MAR									
05...	6.0	18	1.9	--	35	7	92	1.19	0.070
APR									
01...	12	3	0.7	120	34	4	76	0.920	<0.020
MAY									
05...	8.0	14	0.9	80	48	4	132	1.50	0.080
JUN									
11...	120	15	1.9	1700	21	70	184	1.10	0.060
JUL									
08...	20	6	--	90	56	13	--	3.12	0.080
AUG									
14...	62	14	1.4	1300	32	44	--	0.750	0.070
SEP									
03...	49	12	1.6	2300	25	34	--	0.850	0.110

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	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)
NOV					
05...	0.14	0.20	1.1	0.230	3.0
20...	0.32	0.40	1.2	0.450	4.1
DEC					
05...	0.19	0.40	1.2	0.130	4.9
JAN					
06...	0.14	0.50	1.5	0.230	5.7
FEB					
06...	0.0	0.30	1.5	0.270	21
MAR					
05...	0.23	0.30	1.5	0.170	2.5
APR					
01...	--	0.10	1.0	0.150	5.5
MAY					
05...	0.22	0.30	1.8	0.190	5.1
JUN					
11...	0.54	0.60	1.7	0.400	5.9
JUL					
08...	0.22	0.30	3.4	0.220	4.4
AUG					
14...	0.43	0.50	1.2	0.260	4.3
SEP					
03...	0.49	0.60	1.5	0.260	9.1

02206500 YELLOW RIVER NEAR SNELLVILLE, GA.

LOCATION.--Lat 33°51'11", long 84°04'45", Gwinnett County, Hydrologic Unit 03070103, at 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 mi^2.
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 determination of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen is by the U.S. Geological Survey. Water-discharge records for the water years 1943-71 are published in reports of the U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM)	PH (STAND-ARD UNITS)	PH LAB (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	TEMPER-ATURE, AIR (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)
JAN										
16...	1030	99	136	129	7.20	7.40	5.0	7.0	12.1	95
FEB										
06...	1300	133	--	136	6.90	7.20	11.5	14.0	9.3	--
MAY										
05...	1200	57	--	176	7.20	7.20	16.0	26.0	9.0	--
AUG										
14...	1315	48	200	199	7.00	7.50	23.5	27.0	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 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)
JAN								
16...	15	2.4	70	35	1.18	0.520	0.670	6.0
FEB								
06...	23	4.9	330	32	1.05	0.570	0.230	12
MAY								
05...	14	1.8	130	32	2.61	0.360	0.160	7.7
AUG								
14...	44	1.2	460	32	3.03	0.130	0.080	3.9

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 mi^2, 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 determination of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen is by the U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM)	PH (STAND-ARD UNITS)	PH LAB (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	TEMPER-ATURE, AIR (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)
NOV										
05...	1600	255	95	94	7.30	7.30	17.0	14.5	6.2	65
20...	0815	136	122	122	7.20	7.20	17.5	19.0	7.3	77
DEC										
05...	1500	350	--	87	7.20	7.30	11.5	12.0	7.0	--
JAN										
06...	1530	100	--	101	7.40	7.20	10.0	13.5	8.8	--
FEB										
06...	0815	190	118	111	6.70	7.20	11.0	13.5	9.0	83
MAR										
05...	1415	150	--	114	7.00	7.30	9.0	16.0	11.0	--
APR										
01...	0915	203	110	105	7.10	7.00	16.0	20.0	8.0	82
MAY										
05...	1100	85	160	146	7.10	7.00	16.0	24.0	7.7	79
JUN										
12...	0800	165	128	125	7.10	7.00	24.0	25.5	5.4	66
JUL										
08...	1500	--	200	208	7.40	7.40	28.5	39.0	5.2	69
AUG										
14...	0800	87	120	119	7.00	7.40	24.0	23.0	5.8	70
SEP										
03...	0800	175	100	104	6.70	7.20	20.0	21.5	6.2	69

DATE	TUR-BID-ITY (NTU)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, CON-FIRMED (MPN)	COLI-FORM, FECAL, EC BROTH (MPN)	ALKA-LINITY 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									
05...	61	0.8	1700	130	28	0.540	0.100	0.100	4.6
20...	15	0.9	1300	80	31	0.750	0.080	0.050	4.9
DEC									
05...	32	1.2	7900	1300	25	0.560	0.310	0.060	3.0
JAN									
06...	14	1.8	2300	330	28	1.04	0.260	0.050	7.7
FEB									
06...	21	2.4	2800	250	26	1.06	0.190	0.060	2.3
MAR									
05...	9.0	1.0	--	--	28	1.08	0.200	0.050	2.4
APR									
01...	15	0.7	1700	260	27	0.840	0.060	0.050	4.4
MAY									
05...	15	1.2	1100	20	27	1.76	0.140	0.060	5.8
JUN									
12...	--	--	--	--	25	1.48	0.160	0.090	2.7
JUL									
08...	11	--	--	490	38	1.95	0.140	0.060	3.8
AUG									
14...	94	1.6	--	490	27	1.12	0.080	0.100	4.6
SEP									
03...	89	1.3	--	1300	24	0.950	0.140	0.070	7.5

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 mi^2, 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 determination of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen is by the U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM)	PH (STAND-ARD UNITS)	PH LAB (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	TEMPER-ATURE, AIR (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)
NOV										
05...	1245	500	85	81	7.30	7.40	14.0	12.5	7.0	69
20...	0930	280	102	100	7.30	7.30	18.0	20.0	8.3	88
DEC										
05...	1215	770	--	69	7.30	7.20	14.5	11.5	7.6	--
JAN										
06...	1245	400	--	76	7.20	7.20	5.5	8.5	8.8	--
FEB										
06...	0930	365	88	81	7.00	7.20	11.0	13.5	9.8	90
MAR										
05...	1245	250	--	89	7.00	7.20	9.0	13.0	11.6	--
APR										
01...	0830	360	85	86	7.00	6.80	15.0	12.0	8.7	86
MAY										
05...	1000	110	112	107	7.20	7.10	16.0	22.0	8.3	85
JUN										
11...	0800	160	105	104	7.10	7.00	24.0	28.0	7.0	84
JUL										
08...	1130	22	155	158	7.30	7.30	27.0	33.0	5.7	73
AUG										
14...	0905	195	150	148	7.00	7.60	24.0	23.5	7.0	84
SEP										
03...	0920	360	140	140	6.80	7.40	20.5	22.5	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-LINITY LAB (MG/L AS CACO3)	SOLIDS, RESIDUE 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)
NOV								
05...	28	7	0.7	130	24	14	0.560	0.060
20...	15	3	0.8	490	28	12	0.580	0.040
DEC								
05...	39	5	1.1	3300	19	34	0.470	0.110
JAN								
06...	14	<1	0.8	110	23	9	0.780	0.110
FEB								
06...	15	8	2.0	490	22	13	0.840	0.090
MAR								
05...	8.0	6	0.9	--	24	6	0.890	0.090
APR								
01...	17	4	0.5	230	24	11	0.720	0.050
MAY								
05...	15	3	0.9	20	23	13	1.26	0.090
JUN								
11...	32	10	1.6	410	23	35	1.04	0.060
JUL								
08...	11	--	--	110	33	8	1.08	0.050
AUG								
14...	30	--	1.6	700	38	39	1.28	0.070
SEP								
03...	54	--	1.2	700	28	58	1.78	0.100

02208005 YELLOW RIVER NEAR STEWART, GA.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN,AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
NOV					
05...	0.14	0.20	0.76	0.060	2.7
20...	0.36	0.40	0.98	0.060	3.4
DEC					
05...	0.09	0.20	0.67	0.050	6.8
JAN					
06...	0.0	0.10	0.88	0.060	5.0
FEB					
06...	--	<0.10	--	0.060	3.4
MAR					
05...	0.41	0.50	1.4	0.030	2.2
APR					
01...	0.05	0.10	0.82	0.050	3.7
MAY					
05...	--	<0.10	--	0.060	3.0
JUN					
11...	0.24	0.30	1.3	0.080	3.0
JUL					
08...	--	--	--	0.040	3.4
AUG					
14...	--	--	--	0.130	4.5
SEP					
03...	--	--	--	0.090	5.4

02208450 ALCOVY RIVER ABOVE COVINGTON, GA.

LOCATION.--Lat 33°38'24", long 83°46'45", Newton County, Hydrologic Unit 03070103, at right bank on city of Covington water works intake structure, 200 ft upstream from Strouds Creek, 400 ft upstream from bridge on Alcovy Road, 600 ft upstream from Georgia Railroad trestle, and 6 mi northeast of Covington.
DRAINAGE AREA.--185 mi^2, approximately.
PERIOD OF RECORD.--January 1972 to current year. Flow of Strouds Creek included since June 1986.
GAGE.--Water-stage recorder. Elevation of gage is 650 ft above National Geodetic Vertical Datum of 1929 (from topographic map).
REMARKS.--Estimated daily discharges: Jan. 28, 29, July 7-24, Aug. 4-12, Aug. 18 to Sept. 11. Records good excet those for the period of ice effect, Jan. 28-29, which are fair, and the period of extensive diversion, June 19 through Sept. 12, which are poor. Discharge affected by diversions of irrigation and by the city of Covington.
AVERAGE DISCHARGE.--14 years, 253 ft^3/s, 18.57 in/yr.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 6,530 ft^3/s Mar. 16, 1976, gage height, 14.79 ft; minimum daily discharge, 0.56 ft^3/s July 21-22, 1986, but may have been less during a period of extensive diversion, June 19 through Sept. 12, 1986.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,800 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)
Dec. 1	0700	*1,490	*9.51

Minimum daily discharge, 0.56 ft^3/s July 21-22, but may have been less during a period of extensive diversion, June 19 through Sept. 12.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	67	201	1270	189	125	114	133	60	53	6.0	4.0	20
2	202	272	848	209	119	109	127	58	44	7.0	3.0	25
3	232	364	681	178	118	108	121	56	42	15	2.0	15
4	215	315	456	154	116	107	117	53	38	14	1.3	20
5	132	228	326	142	123	105	112	51	35	9.4	.90	35
6	113	183	271	133	147	103	109	50	35	8.0	.60	40
7	111	148	235	128	166	101	105	51	32	6.0	.70	35
8	100	129	207	124	147	98	107	52	33	4.5	.70	33
9	95	117	186	117	127	100	131	50	39	3.5	.90	32
10	94	112	170	118	142	100	126	47	38	3.0	.70	31
11	89	108	151	125	238	103	109	46	44	2.5	.90	30
12	82	107	155	121	230	103	100	45	56	2.0	3.0	29
13	73	106	232	117	184	151	97	47	45	1.7	25	34
14	66	104	292	113	155	289	92	64	33	1.4	32	40
15	65	103	294	109	188	321	90	63	28	1.2	24	35
16	67	101	239	110	207	272	87	55	25	1.0	20	29
17	66	101	207	111	196	210	83	49	21	.90	17	24
18	67	99	192	112	184	177	80	48	19	.80	11	24
19	67	97	180	159	187	174	81	55	17	.70	9.0	39
20	66	97	167	182	181	361	81	66	13	.60	10	52
21	67	110	158	146	163	517	111	71	7.0	.56	9.0	43
22	70	214	153	125	149	481	141	60	6.0	.56	15	34
23	87	255	151	118	142	342	112	50	6.0	2.0	20	29
24	116	226	152	114	134	267	93	40	7.0	12	15	22
25	101	173	145	109	128	230	85	38	7.4	8.0	10	18
26	87	141	132	153	123	204	80	39	7.0	20	9.0	16
27	84	129	125	185	127	189	76	42	6.0	15	10	17
28	96	124	134	164	120	176	75	42	11	11	12	15
29	102	145	142	135	---	160	74	86	14	11	10	15
30	95	536	134	141	---	149	67	101	9.4	9.0	9.0	15
31	105	---	131	135	---	142	---	71	---	5.0	10	---
TOTAL	3079	5145	8316	4276	4366	6063	3002	1706	770.8	183.32	295.70	846
MEAN	99.3	172	268	138	156	196	100	55.0	25.7	5.91	9.54	28.2
MAX	232	536	1270	209	238	517	141	101	56	20	32	52
MIN	65	97	125	109	116	98	67	38	6.0	.56	.60	15
CFSM	.54	.93	1.45	.75	.84	1.06	.54	.30	.14	.03	.05	.15
IN.	.62	1.03	1.67	.86	.88	1.22	.60	.34	.15	.04	.06	.17

CAL YR 1985 TOTAL 66567.00 MEAN 182 MAX 1270 MIN 44 CFSM .98 IN 13.39
WTR YR 1986 TOTAL 38048.82 MEAN 104 MAX 1270 MIN .56 CFSM .56 IN 7.65

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 mi^2, 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 determination of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen is by the U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	SPE-CIFIC CON-DUCT-ANCE (US/CM)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM)	PH (STAND-ARD UNITS)	PH LAB (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	TEMPER-ATURE, AIR (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)
NOV									
05...	1330	52	49	7.20	7.00	14.5	13.0	7.7	77
20...	1000	64	61	7.40	7.10	18.0	20.5	8.4	89
DEC									
05...	1300	--	42	7.10	6.90	10.0	11.5	7.6	--
JAN									
06...	1330	--	48	7.20	7.00	5.0	9.0	9.2	--
FEB									
06...	1000	52	47	7.00	7.20	10.5	13.0	10.3	94
MAR									
05...	1215	--	49	7.10	7.10	9.0	12.5	10.2	--
APR									
01...	0800	50	51	7.00	6.60	15.0	11.0	8.9	89
MAY									
05...	0930	62	57	7.20	7.10	17.5	21.5	8.3	88
JUN									
11...	0730	64	63	7.10	7.00	24.5	27.0	7.4	90
JUL									
08...	1215	70	70	7.40	7.30	28.5	38.0	5.9	78
AUG									
14...	0930	75	71	6.90	7.30	25.0	24.5	4.2	52
SEP									
03...	0945	70	70	6.80	7.20	21.0	23.0	7.5	85

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 LAB (MG/L AS CACO3)	SOLIDS, RESIDUE 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)
NOV								
05...	26	11	1.6	130	14	7	0.170	0.060
20...	12	5	1.2	<20	21	9	0.140	0.040
DEC								
05...	29	12	1.5	490	11	16	0.270	0.060
JAN								
06...	8.0	<1	0.8	40	15	<1	0.460	0.090
FEB								
06...	8.0	6	1.5	130	16	4	0.460	0.060
MAR								
05...	6.0	6	0.7	--	18	6	0.390	0.060
APR								
01...	13	2	0.7	20	17	2	0.380	0.050
MAY								
05...	15	12	0.7	110	20	<1	0.380	0.070
JUN								
11...	15	6	1.9	490	21	12	0.430	0.040
JUL								
08...	9.0	--	--	20	25	<1	0.170	0.030
AUG								
14...	5.0	--	1.8	20	24	5	0.110	0.070
SEP								
03...	12	--	1.0	330	25	12	0.270	0.110

02209260 ALCOVY RIVER ABOVE STEWART, GA.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN,AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
NOV					
05...	0.34	0.40	0.57	0.050	9.5
20...	0.26	0.30	0.44	<0.020	4.2
DEC					
05...	0.14	0.20	0.47	0.040	5.2
JAN					
06...	0.11	0.20	0.66	0.030	2.9
FEB					
06...	--	<0.10	--	0.030	1.3
MAR					
05...	0.34	0.40	0.79	<0.020	3.3
APR					
01...	0.25	0.30	0.68	0.030	15
MAY					
05...	--	<0.10	--	0.030	5.8
JUN					
11...	0.06	0.10	0.53	<0.020	2.9
JUL					
08...	--	--	--	<0.020	5.8
AUG					
14...	--	--	--	0.030	6.1
SEP					
03...	--	--	--	0.030	4.9

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 mi^2, 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 determination of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen is by the U.S. Geological Survey. Water-discharge records for water years 1906-15, 1939-60, and 1975-82 are published in records of 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 1985 TO SEPTEMBER 1986

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM)	PH (STAND-ARD UNITS)	PH LAB (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	TEMPER-ATURE, AIR (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)
NOV										
05...	1430	550	95	89	7.20	7.20	17.0	13.0	4.2	44
20...	1030	425	93	93	6.90	7.10	15.5	23.0	5.4	54
DEC										
05...	1400	1350	76	81	7.00	7.00	10.5	12.0	5.0	45
JAN										
06...	1415	820	--	82	7.00	7.10	5.5	10.0	8.4	--
FEB										
06...	1030	650	94	91	7.00	7.10	6.0	13.0	10.7	87
MAR										
05...	1145	670	--	83	7.00	7.50	10.5	12.0	11.8	--
APR										
01...	0715	670	75	81	7.00	6.70	13.0	10.0	7.5	71
MAY										
05...	0900	420	106	97	6.90	6.70	16.0	21.0	4.5	46
JUN										
10...	0700	440	110	105	6.80	6.70	21.5	27.0	2.1	24
JUL										
08...	1330	310	108	109	7.30	7.40	30.0	39.0	3.6	48
AUG										
14...	1000	410	140	134	6.90	7.40	28.0	26.0	3.0	39
SEP										
03...	1015	370	130	144	6.80	7.20	24.0	23.5	2.7	32

DATE	TUR-BID-ITY (NTU)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, FECAL, EC BROTH (MPN)	ALKA-LINITY LAB (MG/L AS CACO3)	SOLIDS, RESIDUE 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)
NOV									
05...	39	2.9	<20	26	66	0.380	0.240	0.060	4.8
20...	5.0	1.1	<20	23	9	0.490	0.100	<0.020	8.7
DEC									
05...	40	1.0	170	23	21	0.550	0.100	0.100	6.8
JAN									
06...	14	1.2	20	22	20	0.660	0.170	0.100	4.2
FEB									
06...	6.0	2.0	<20	24	2	0.800	0.130	0.060	1.8
MAR									
05...	3.0	1.2	--	23	13	0.520	0.090	0.050	3.4
APR									
01...	18	0.9	50	24	2	0.580	0.110	0.040	8.5
MAY									
05...	4.0	0.9	<20	25	<1	0.400	0.140	0.020	5.7
JUN									
10...	2.0	2.5	20	29	4	0.260	0.180	<0.020	15
JUL									
08...	15	--	110	30	43	<0.020	0.200	0.050	4.7
AUG									
14...	1.0	1.8	<20	37	1	0.090	0.340	0.050	5.2
SEP									
03...	4.0	2.0	20	39	3	0.190	0.340	0.040	6.2

02212500 OCMULGEE RIVER AT JULIETTE, GA.

LOCATION.--Lat 33°05'50", long 83°47'10", Monroe-Jones County line, Hydrologic Unit 03070103, on left bank 0.9 mi downstream from Juliette Mills at Juliette, and 2.5 mi downstream from Towaliga River.
DRAINAGE AREA.--1,960 mi^2.
PERIOD OF RECORD.--June 1916 to September 1921, July 1974 to current year.
REVISED RECORDS.--WSP 1304: Drainage area. WDR GA-80-1: 1920(M), 1975(M).
GAGE.--Water-stage recorder. Datum of gage is 340.97 ft above National Geodetic Vertical Datum of 1929.
REMARKS.--No estimated daily discharges. Records good. Flow regulated by Lloyd Shoals Reservoir. (See "Lakes and Reservoirs in Altamaha River Basin," station 02210000.)
AVERAGE DISCHARGE.--17 years (water years 1917-21, 1975-86), 2,502 ft^3/s, 17.34 in/yr, unadjusted.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 67,400 ft^3/s Dec. 11, 1919, gage height, 30.8 ft; minimum daily discharge 292 ft^3/s Sept. 25, 1986.
EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known, about 32 ft in May 1886, from floodmarks, discharge, 73,000 ft^3/s.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 13,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)
Mar. 13	2300	*7,240	*9.37

Minimum daily discharge, 292 ft^3/s Sept. 25.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	786	1650	3150	1340	1110	1090	1320	677	918	495	432	497
2	854	1380	3260	1600	832	1040	938	672	774	451	373	498
3	2540	1620	3260	1610	1370	1050	1280	663	700	523	371	500
4	1250	1130	3090	1100	858	1040	1130	661	730	429	466	508
5	811	1260	2950	1110	1250	845	1220	620	542	531	371	1020
6	656	1040	2920	1530	1300	830	902	539	517	437	424	783
7	614	1070	2890	853	1500	1090	921	522	535	488	311	625
8	546	966	2870	1230	1640	871	1340	525	585	451	479	545
9	777	699	2850	1120	974	843	1280	541	532	453	355	516
10	682	750	2860	1160	1350	849	1080	531	747	437	435	508
11	744	811	2850	838	2420	844	1100	524	610	450	467	505
12	766	797	2760	980	2000	861	1010	523	728	498	481	364
13	779	690	3140	984	2210	2610	1080	692	713	303	496	431
14	1290	782	3080	1140	1170	5550	820	572	693	493	482	398
15	1810	697	2980	1170	1790	3410	1010	768	567	413	479	432
16	1810	828	1770	1530	1650	1820	996	818	461	460	389	385
17	1710	798	1710	1150	1850	1640	866	543	562	499	467	356
18	1930	751	1770	928	2290	1410	738	595	613	421	483	512
19	1150	670	1620	1030	1970	3330	741	946	584	423	403	539
20	1120	658	1050	1210	1700	6370	873	760	493	387	433	534
21	1660	794	1260	1160	1360	4510	795	732	592	479	406	512
22	1790	1350	906	1160	1620	3380	1060	711	502	397	432	509
23	1960	1250	1730	1070	1570	2640	756	691	611	483	371	352
24	1810	820	1370	1510	1410	2520	1010	719	532	407	464	419
25	1750	750	898	806	1230	1320	868	621	423	430	375	292
26	1270	696	1610	927	1180	1660	926	534	499	358	452	477
27	1170	843	1470	1620	1480	1630	763	519	437	407	392	295
28	3010	847	870	1090	1120	2020	731	536	515	481	474	465
29	2770	1060	856	1100	---	1540	745	880	521	405	488	373
30	1170	1780	1000	1080	---	1410	895	1130	542	407	323	317
31	1600	---	1160	1030	---	1340	---	970	---	369	493	---
TOTAL	42585	29237	65960	36166	42204	61363	29194	20735	17778	13665	13267	14467
MEAN	1374	975	2128	1167	1507	1979	973	669	593	441	428	482
MAX	3010	1780	3260	1620	2420	6370	1340	1130	918	531	496	1020
MIN	546	658	856	806	832	830	731	519	423	303	311	292

CAL YR 1985 TOTAL 662142 MEAN 1814 MAX 19700 MIN 546 MEAN† 1814 CFSM† .93 IN† 12.57
WTR YR 1986 TOTAL 386621 MEAN 1059 MAX 6370 MIN 292 MEAN† 1033 CFSM† .53 IN† 7.16

†ADJUSTED FOR CHANGE IN LLOYD SHOALS RESERVOIR.

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 100 ft upstream from highway bridge, 4 mi upstream from Caney Creek, and 5.1 mi east of Juliette.
DRAINAGE AREA.--72.2 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--July 1964 to current year.
GAGE.--Water-stage recorder. Elevation of gage is 370 ft above National Geodetic Vertical Datum of 1929 (from topographic map).
REMARKS.--No estimated daily discharges. Records fair.
AVERAGE DISCHARGE.--22 years, 63.6 ft^3/s, 11.96 in/yr.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 7,700 ft^3/s Mar. 2, 1971, gage height, 23.0 ft, from floodmark; minimum daily 0.03 ft^3/s Aug. 5-9, 1986.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,100 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)
Mar. 20	0445	*1,180	*10.43

Minimum daily discharge, 0.03 ft^3/s Aug. 5-9.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.5	24	231	37	23	27	29	7.7	5.7	1.1	.08	4.0
2	6.0	16	106	32	22	26	26	7.4	4.7	1.2	.05	4.5
3	8.8	11	63	26	22	25	24	7.0	4.0	1.0	.04	4.3
4	7.1	15	44	23	21	25	22	6.7	3.8	.81	.04	18
5	7.4	10	36	22	35	23	21	6.4	3.9	.66	.03	57
6	5.6	6.9	31	20	85	22	20	6.2	3.8	.59	.03	58
7	10	5.5	27	18	120	21	19	6.1	3.6	.52	.03	55
8	3.6	4.7	25	17	64	20	19	5.9	6.1	.41	.03	27
9	2.5	3.7	24	17	47	19	20	5.4	4.7	.36	.03	10
10	2.2	3.5	21	19	63	20	18	5.0	4.0	.25	.04	6.0
11	2.0	3.6	20	27	275	20	16	5.0	4.8	.19	.08	4.6
12	1.9	3.8	21	24	133	20	16	4.9	4.3	.17	.55	4.5
13	2.0	4.2	46	21	74	116	16	5.2	3.7	.13	1.1	3.7
14	2.1	4.4	53	19	55	332	16	6.4	3.0	.12	.55	3.1
15	2.0	4.7	37	18	52	138	16	6.5	2.7	.19	.33	2.8
16	2.0	4.8	29	17	45	82	15	5.6	2.5	.46	.24	2.7
17	2.5	5.2	27	17	41	63	13	5.1	2.4	.49	.25	2.9
18	2.3	6.1	25	19	140	51	12	5.0	2.2	.34	.19	2.9
19	2.3	5.7	23	44	155	490	12	11	1.8	6.2	.16	2.6
20	2.2	8.6	22	41	84	1030	14	13	1.7	1.7	.20	2.5
21	2.7	58	20	30	60	319	19	7.3	1.4	.49	.46	2.3
22	2.7	333	19	26	49	140	22	5.5	1.1	.24	.37	2.1
23	2.9	144	19	24	42	93	16	4.8	1.1	.14	.22	1.9
24	3.3	53	20	22	40	71	14	4.5	1.0	.15	.17	1.7
25	5.4	36	19	20	34	58	12	3.8	1.0	5.7	.13	1.5
26	5.6	28	18	33	31	50	11	3.6	1.0	3.9	.11	1.2
27	4.5	24	17	44	30	44	11	5.8	3.0	1.0	.11	1.1
28	14	21	18	32	29	39	9.7	26	1.7	.40	.20	.91
29	13	23	21	28	---	35	8.9	19	1.6	.21	.14	.76
30	7.6	208	19	29	---	33	8.3	12	1.2	.17	.22	.68
31	9.5	---	21	25	---	31	---	7.3	---	.18	.72	---
TOTAL	147.2	1079.4	1122	791	1871	3483	495.9	231.1	87.5	29.47	6.90	290.25
MEAN	4.75	36.0	36.2	25.5	66.8	112	16.5	7.45	2.92	.95	.22	9.68
MAX	14	333	231	44	275	1030	29	26	6.1	6.2	1.1	58
MIN	1.5	3.5	17	17	21	19	8.3	3.6	1.0	.12	.03	.68
CFSM	.07	.50	.50	.35	.93	1.55	.23	.10	.04	.01	.003	.13
IN.	.08	.56	.58	.41	.96	1.79	.26	.12	.05	.02	.00	.15

CAL YR 1985 TOTAL 13501.71 MEAN 37.0 MAX 2530 MIN .80 CFSM .51 IN 6.96
WTR YR 1986 TOTAL 9634.72 MEAN 26.4 MAX 1030 MIN .03 CFSM .37 IN 4.96

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.
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 1985 TO SEPTEMBER 1986

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM)	PH (STAND-ARD UNITS)	PH LAB (STAND-ARD UNITS)	TEMPER-ATURE WATER (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)	BICAR-BONATE IT-FLD (MG/L AS HCO3)	ALKA-LINITY, CARBON-ATE IT-FLD (MG/L - CACO3)	ALKA-LINITY LAB (MG/L AS CACO3)
OCT												
02...	0800	3.3	160	163	7.70	7.35	20.0	7.2	81	86	71	--
JAN												
13...	0800	22	110	129	7.40	8.20	3.5	12.2	93	--	--	43
JUN												
10...	0730	3.9	150	151	7.70	7.70	23.0	7.0	83	82	68	68
AUG												
17...	1430	0.25	130	155	7.40	7.70	25.0	6.9	86	87	72	71

DATE	TUR-BID-ITY (NTU)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD-NESS (MG/L AS CACO3)	HARD-NESS NONCARB WH WAT TOT LAB 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)	PERCENT SODIUM	SODIUM AD-SORP-TION RATIO	POTAS-SIUM, DIS-SOLVED (MG/L AS K)
OCT											
02...	2.5	97	1900	51	--	11	5.8	14	36	0.9	2.1
JAN											
13...	7.1	150	260	43	0	9.3	4.8	9.3	31	0.6	1.5
JUN											
10...	8.2	380	2400	54	0	12	5.9	10	28	0.6	1.7
AUG											
17...	7.5	140	190	58	0	13	6.2	7.7	22	0.5	2.1

DATE	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO2)	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)
OCT									
02...	2.7	2.7	6.2	1.9	19	--	110	0.94	0.14
JAN									
13...	3.3	9.9	5.2	0.80	19	76	86	4.5	0.10
JUN									
10...	2.6	4.9	2.9	1.1	20	98	99	1.0	0.13
AUG									
17...	5.5	5.9	2.8	0.80	19	97	100	0.06	0.13

DATE	NITRO-GEN, NITRITE DIS-SOLVED (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,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)
OCT									
02...	<0.010	<0.100	<0.010	<0.010	--	0.80	0.040	0.010	<0.010
JAN									
13...	<0.010	<0.100	0.010	0.010	0.39	0.40	0.020	0.010	<0.010
JUN									
10...	<0.010	0.130	0.030	0.060	0.27	0.30	0.030	0.040	0.040
AUG									
17...	<0.010	<0.100	0.030	0.020	0.27	0.30	0.040	<0.010	<0.010

02212600 FALLING CREEK NEAR JULIETTE, GA.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	ALUMINUM, DISSOLVED (UG/L AS AL)	ARSENIC DISSOLVED (UG/L AS AS)	BARIUM, DISSOLVED (UG/L AS BA)	BERYLLIUM, DISSOLVED (UG/L AS BE)	CADMIUM DISSOLVED (UG/L AS CD)	CHROMIUM, DISSOLVED (UG/L AS CR)	COBALT, DISSOLVED (UG/L AS CO)	COPPER, DISSOLVED (UG/L AS CU)	IRON, DISSOLVED (UG/L AS FE)	LEAD, DISSOLVED (UG/L AS PB)
OCT										
02...	40	<1	27	<0.5	<1	1	<3	2	380	4
JAN										
13...	20	<1	24	<0.5	<1	<1	<3	<1	300	<1

DATE	LITHIUM DISSOLVED (UG/L AS LI)	MANGANESE, DISSOLVED (UG/L AS MN)	MERCURY DISSOLVED (UG/L AS HG)	MOLYBDENUM, DISSOLVED (UG/L AS MO)	NICKEL, DISSOLVED (UG/L AS NI)	SELENIUM, DISSOLVED (UG/L AS SE)	SILVER, DISSOLVED (UG/L AS AG)	STRONTIUM, DISSOLVED (UG/L AS SR)	VANADIUM, DISSOLVED (UG/L AS V)	ZINC, DISSOLVED (UG/L AS ZN)
OCT										
02...	<4	180	1.5	<10	4	<1	<1	110	<1	30
JAN										
13...	<4	150	0.3	<10	13	<1	<1	82	<6	6

DATE	TIME	STREAMFLOW, INSTANTANEOUS (CFS)	TEMPERATURE WATER (DEG C)	SEDIMENT, SUSPENDED (MG/L)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT						
02...	0805	3.3	20.0	7	0.06	86
JAN						
13...	0805	22	3.5	13	0.77	73
JUN						
10...	0735	3.7	23.0	6	0.06	95
AUG						
17...	1435	0.25	25.0	6	0.00	97

DATE	TIME	STREAMFLOW, INSTANTANEOUS (CFS)	GROSS ALPHA, DISSOLVED (UG/L AS U-NAT)	GROSS ALPHA, SUSP. TOTAL (UG/L AS U-NAT)	GROSS BETA, DISSOLVED (PCI/L AS CS-137)	GROSS BETA, SUSP. TOTAL (PCI/L AS CS-137)	GROSS BETA, DISSOLVED (PCI/L AS SR/YT-90)	GROSS BETA, SUSP. TOTAL (PCI/L AS SR/YT-90)	RADIUM 226, DISSOLVED, RADON METHOD (PCI/L)	URANIUM DISSOLVED, EXTRACTION (UG/L)
OCT										
02...	0810	3.3	<0.5	<0.6	2.2	<0.4	1.7	<0.4	0.02	0.27

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 mi^2, 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 determination of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen is 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 1985 TO SEPTEMBER 1986

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM)	PH (STAND-ARD UNITS)	PH LAB (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	TEMPER-ATURE, AIR (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)
OCT										
03...	1200	2120	105	100	7.40	7.50	24.5	27.5	7.5	91
NOV										
18...	1500	760	107	101	7.20	7.30	21.5	25.0	8.6	97
DEC										
03...	0915	3680	87	85	7.30	7.40	--	0.0	9.5	--
JAN										
13...	1445	1130	87	82	7.50	7.40	9.0	8.5	11.6	101
FEB										
04...	1245	1020	92	87	7.60	7.50	12.0	21.0	11.3	105
MAR										
03...	1400	1270	90	85	7.70	7.50	13.0	21.0	11.0	106
APR										
16...	1600	1200	78	77	7.50	7.10	19.5	19.5	9.5	105
MAY										
14...	1000	496	102	102	7.40	7.30	23.5	22.0	7.6	90
JUN										
11...	1415	561	113	104	7.50	7.30	31.5	35.0	7.0	96
JUL										
21...	1730	213	130	134	7.80	7.50	36.0	31.0	6.7	99
AUG										
18...	1720	430	138	136	7.50	7.60	33.0	31.5	6.9	98
SEP										
18...	1815	499	156	146	7.60	7.70	29.0	--	7.2	94

DATE	TUR-BID-ITY (NTU)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, CON-FIRMED (MPN)	COLI-FORM, FECAL, EC BROTH (MPN)	ALKA-LINITY LAB (MG/L AS CACO3)	SOLIDS, RESIDUE 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...	7.0	1.5	--	230	27	21	0.430	0.050	0.040	2.2
NOV										
18...	43	1.1	790	20	31	39	0.340	0.070	0.110	6.9
DEC										
03...	35	1.3	790	170	27	53	0.440	0.120	0.050	4.0
JAN										
13...	9.0	--	230	20	19	3	0.590	0.050	0.020	6.9
FEB										
04...	7.0	1.0	330	20	24	8	0.550	0.040	<0.020	3.9
MAR										
03...	4.0	1.0	490	20	21	3	0.450	0.030	<0.020	3.4
APR										
16...	8.0	1.0	--	--	20	<1	0.350	0.070	0.030	3.3
MAY										
14...	5.0	0.6	4900	70	29	6	0.420	0.050	<0.020	5.6
JUN										
11...	10	1.9	3300	230	30	11	0.230	0.050	<0.020	2.0
JUL										
21...	7.0	1.8	--	20	35	19	0.270	0.040	0.020	4.1
AUG										
18...	1.0	1.4	--	70	37	6	0.430	0.070	0.040	4.3
SEP										
18...	9.0	1.6	--	310	43	8	0.460	0.060	0.080	6.1

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 mi^2, 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 sites 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.--No estimated daily discharges. Records good. Flow regulated by Lloyd Shoals Reservoir. (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.
AVERAGE DISCHARGE.--76 years (water years 1894-1911, 1929-86), 2,704 ft^3/s, 16.39 in/yr, unadjusted.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 83,500 ft^3/s Nov. 29, 1948, gage height, 28.0 ft; maximum gage height, 29.45 ft, from floodmark, Mar. 4, 1971; minimum daily discharge, 128 ft^3/s Oct. 24, 1954; minimum gage height observed, -1.0 ft Oct. 5, 1904.
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 ft^3/s.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 14,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)
Mar. 20	0500	*10,400	*16.41

Minimum daily discharge, 254 ft^3/s July 14.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	664	1660	4460	1310	1180	1140	1700	637	863	499	307	500
2	649	1570	3940	1100	807	1090	1040	583	697	470	403	463
3	1920	1600	3640	1710	959	1100	1300	573	631	405	312	505
4	2050	1640	3350	1510	1080	1070	1230	564	637	495	329	891
5	896	1290	3110	1090	1180	918	1240	554	549	402	419	2070
6	639	1120	3010	1060	1300	845	995	506	457	514	355	1040
7	602	1000	2950	1230	1750	1060	932	434	454	384	401	804
8	515	1050	2820	732	1370	878	1280	433	544	479	339	646
9	669	874	2870	1460	1480	848	1380	428	534	356	463	548
10	666	724	2720	791	1540	824	1140	438	659	436	318	513
11	633	757	2730	1160	3130	831	1110	430	593	337	467	502
12	731	869	2960	909	2660	812	1010	430	651	425	536	491
13	726	671	3870	918	2550	1030	1070	532	644	423	607	327
14	626	787	3790	955	2020	6860	837	506	638	254	476	461
15	1550	696	3280	1180	1560	4950	927	609	527	446	449	350
16	1710	640	2760	788	1610	2480	987	715	496	350	438	455
17	1810	894	1420	1750	2040	1910	856	500	421	432	340	363
18	1830	752	1800	937	2320	1550	714	476	532	440	435	433
19	1910	731	1720	1070	2540	3930	686	808	525	328	428	498
20	1120	690	1300	1310	2560	10000	778	710	496	412	427	512
21	997	1660	1290	1170	1580	6920	753	655	473	330	493	505
22	1720	3520	938	1140	1750	4730	983	614	515	468	336	484
23	1820	2150	894	1050	1710	3780	765	592	498	352	414	473
24	1770	1100	2090	1390	1550	2560	923	598	536	440	312	297
25	1840	913	917	868	1340	2150	823	545	534	371	427	418
26	1750	813	849	838	1270	1710	835	498	358	455	307	271
27	1220	869	2050	1060	1300	1860	718	475	470	341	434	461
28	1980	910	924	1550	1400	1640	682	503	510	383	369	266
29	3100	799	830	1040	---	2200	648	673	479	439	432	437
30	1400	2620	919	1040	---	1490	804	939	481	330	449	284
31	1690	---	1080	790	---	1150	---	1060	---	376	347	---
TOTAL	41203	35369	71281	34906	47536	74316	29146	18018	16402	12572	12569	16268
MEAN	1329	1179	2299	1126	1698	2397	972	581	547	406	405	542
MAX	3100	3520	4460	1750	3130	10000	1700	1060	863	514	607	2070
MIN	515	640	830	732	807	812	648	428	358	254	307	266

CAL YR 1985 TOTAL 713773 MEAN 1956 MAX 23200 MIN 495 MEAN† 1956 CFSM† .87 IN† 11.86
WTR YR 1986 TOTAL 409586 MEAN 1122 MAX 10000 MIN 254 MEAN† 1096 CFSM† .49 IN† 6.64

†Adjusted for change in contents in Lloyd Shoals Reservoir.

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, 500 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 mi^2, approximately.
PERIOD OF RECORD.--October 1961 to current year.
GAGE.--Water-stage recorder. Elevation of gage is 390 ft above National Geodetic Vertical Datum of 1929 (from topographic map).
REMARKS.--Estimated daily discharges: March 26, 27. Records good except those less than 1.0 ft^3/s, which are fair, and those for the period Oct. 10-Nov. 20, which are poor due to variable backwater from debris.
AVERAGE DISCHARGE.--25 years, 31.9 ft^3/s, 14.94 in/yr.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 15,500 ft^3/s Dec. 26, 1964, gage height, 23.8 ft, from floodmark, from rating curve extended above 5,000 ft^3/s on basis of contracted-opening measurement of peak flow; minimum daily discharge no flow Oct. 3-5, 1981.
EXTREMES OUTSIDE PERIOD OF RECORD.--Zero flow was observed during June, July, and August 1954.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)
Mar. 19	1645	*1,130	*4.41

Minimum daily discharge, 0.16 ft^3/s July 22 and Aug. 8.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.4	13	86	20	11	13	14	4.2	2.2	1.4	.42	2.9
2	11	7.8	48	15	11	12	13	4.1	1.9	1.5	.27	1.7
3	4.4	4.2	26	12	11	12	12	3.8	1.6	1.5	.20	2.3
4	3.0	4.0	19	11	11	12	12	3.9	1.8	1.3	.19	130
5	2.5	3.6	16	11	21	12	12	3.6	1.8	1.1	.18	81
6	1.6	3.2	14	9.8	30	12	11	3.8	1.9	.94	.20	19
7	1.5	3.0	12	10	28	11	10	3.6	25	.95	.18	9.9
8	1.4	2.7	12	9.1	21	10	11	3.4	34	.81	.16	7.6
9	1.4	2.4	11	8.8	18	10	10	3.0	14	.73	.32	5.1
10	1.4	2.5	10	11	81	11	9.7	3.1	5.7	.58	.55	7.3
11	1.4	2.4	9.8	12	181	12	9.6	2.8	6.9	.52	1.6	7.0
12	1.1	2.4	14	10	56	11	9.3	2.7	3.1	.48	14	3.7
13	1.0	2.5	117	9.5	37	27	9.3	3.0	2.2	.48	16	3.9
14	1.1	2.6	43	9.1	29	38	8.8	3.1	2.0	.94	5.6	3.0
15	.95	2.6	25	9.0	28	21	8.6	2.7	2.0	1.6	3.7	2.2
16	1.1	2.4	20	8.6	23	18	7.7	2.5	1.9	.51	2.7	2.1
17	1.3	2.4	17	8.8	21	16	7.4	2.4	2.3	.38	2.0	30
18	1.1	2.4	15	13	58	14	7.1	2.5	2.0	.35	1.3	14
19	1.2	3.1	14	34	42	338	7.1	5.7	2.7	.29	1.1	7.3
20	1.3	12	13	21	30	277	7.5	3.5	3.2	.23	2.6	5.0
21	1.3	42	12	16	25	97	8.4	2.6	1.6	.17	4.1	3.8
22	1.3	266	12	15	23	55	7.2	2.3	1.4	.16	1.7	3.4
23	1.5	36	12	14	21	40	6.6	2.3	1.3	.23	1.2	3.0
24	1.9	16	11	12	18	32	6.6	2.2	5.8	.22	.95	2.6
25	2.0	11	10	12	17	28	6.6	1.9	8.5	.50	.85	2.3
26	1.9	9.5	9.3	15	15	23	6.2	1.7	2.4	3.8	.81	2.4
27	3.1	8.8	9.7	13	15	20	5.7	4.1	3.8	1.2	.81	2.8
28	6.0	8.1	10	12	14	18	5.4	5.8	3.7	.83	.95	2.1
29	5.6	12	11	12	---	16	4.9	4.1	2.1	.54	.74	2.0
30	3.9	258	9.7	12	---	15	4.5	3.2	1.5	.47	1.7	2.1
31	11	---	12	11	---	15	---	2.5	---	.36	2.8	---
TOTAL	80.65	748.6	660.5	396.7	896	1246	259.2	100.1	150.3	25.07	69.88	371.5
MEAN	2.60	25.0	21.3	12.8	32.0	40.2	8.64	3.23	5.01	.81	2.25	12.4
MAX	11	266	117	34	181	338	14	5.8	34	3.8	16	130
MIN	.95	2.4	9.3	8.6	11	10	4.5	1.7	1.3	.16	.16	1.7
CFSM	.09	.86	.73	.44	1.10	1.39	.30	.11	.17	.03	.08	.43
IN.	.10	.96	.85	.51	1.15	1.60	.33	.13	.19	.03	.09	.48

CAL YR 1985 TOTAL 5780.46 MEAN 15.8 MAX 747 MIN .48 CFSM .55 IN 7.41
WTR YR 1986 TOTAL 5004.50 MEAN 13.7 MAX 338 MIN .16 CFSM .47 IN 6.42

02213500 TOBESOFKEE CREEK NEAR MACON, GA.

LOCATION.--Lat 32°48'32", long 83°45'30", Bibb County, Hydrologic Unit 03070103, on right bank at downstream end of pier of bridge on State Highway 22 connector, 8 mi west of Macon, and 14 mi upstream from mouth.
DRAINAGE AREA.--182 mi^2.
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.--No estimated daily discharges. 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.
AVERAGE DISCHARGE.--49 years, 193 ft^3/s, 14.40 in/yr.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 9,830 ft^3/s Mar. 21, 1944, gage height, 23.2 ft, from rating curve extend above 6,300 ft^3/s; minimum, 2.3 ft^3/s Oct. 10, 1954.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,900 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Jan. 7	1430	3,210	12.88	Mar. 20	0945	*3,430	*13.42

Minimum daily discharge, 20 ft^3/s Oct. 1-3.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	20	64	461	67	28	28	129	59	70	31	27	23
2	20	106	308	75	27	27	128	59	70	31	27	21
3	20	111	203	93	27	26	124	59	70	31	27	21
4	21	84	165	96	226	26	119	59	67	31	27	22
5	22	71	106	147	194	26	114	57	65	30	26	22
6	24	60	102	1650	238	25	111	55	62	30	26	22
7	24	52	95	2390	293	25	108	54	60	29	26	22
8	22	51	86	522	214	24	106	54	59	29	26	22
9	21	50	82	32	108	23	106	53	56	29	26	23
10	22	47	80	30	368	24	102	53	59	29	25	22
11	21	43	73	29	584	24	97	51	60	28	25	22
12	22	41	75	29	481	24	94	51	59	28	26	22
13	22	39	651	163	60	27	90	51	58	28	25	23
14	22	40	242	141	91	729	87	50	56	28	24	23
15	23	39	135	30	174	613	85	51	52	28	24	23
16	23	39	131	168	30	291	85	51	50	28	24	24
17	24	40	122	30	27	239	82	50	48	28	24	25
18	27	40	113	136	30	184	77	51	46	28	24	24
19	30	39	109	105	28	1280	72	51	44	28	24	24
20	32	38	104	157	28	2630	71	52	42	28	25	24
21	33	40	101	124	28	1080	68	56	40	29	25	24
22	35	548	95	29	28	960	68	57	38	29	25	24
23	34	295	88	28	28	58	66	56	37	29	25	24
24	33	135	85	243	27	88	64	55	36	28	24	24
25	33	104	82	29	27	218	63	54	34	28	24	24
26	34	98	79	123	28	202	60	53	33	28	24	24
27	36	91	72	29	27	179	59	56	33	28	24	24
28	35	89	68	27	28	159	61	56	33	28	24	24
29	41	87	67	220	---	142	61	57	32	28	26	24
30	44	674	68	29	---	137	60	61	32	28	27	24
31	43	---	65	180	---	131	---	68	---	28	26	---
TOTAL	863	3255	4313	7151	3477	9649	2617	1700	1501	891	782	694
MEAN	27.8	109	139	231	124	311	87.2	54.8	50.0	28.7	25.2	23.1
MAX	44	674	651	2390	584	2630	129	68	70	31	27	25
MIN	20	38	65	27	27	23	59	50	32	28	24	21
CFSM	.15	.60	.76	1.27	.68	1.71	.48	.30	.28	.16	.14	.13
IN.	.18	.67	.88	1.46	.71	1.97	.53	.35	.31	.18	.16	.14

CAL YR 1985 TOTAL 42108 MEAN 115 MAX 4300 MIN 18 CFSM .63 IN 8.61
WTR YR 1986 TOTAL 36893 MEAN 101 MAX 2630 MIN 20 CFSM .56 IN 7.54

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 mi^2, approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1972 to current year, discharge below 3,600 ft^3/s, only.
GAGE.--Water-stage recorder. Elevation of gage is 251 ft above National Geodetic Vertical Datum of 1929 (from topographic map).
REMARKS.--No estimated daily discharges. Records good. Flow regulated by Lloyd Shoals Reservoir. (See "Lakes and Reservoirs in Altamaha River Basin," station 02210000.)
EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 15.07 ft Feb. 25, 1979; minimum daily discharge, 395 ft^3/s Aug. 4, 1986.
EXTREMES FOR CURRENT YEAR.--Maximum gage height, 14.33 ft Mar. 21; minimum daily discharge, 395 ft^3/s Aug. 4.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	656	1920	3350	1540	1300	1500	1770	1010	1150	632	481	575
2	851	1930	---	1750	1420	1380	1780	858	1020	606	407	673
3	991	1750	---	1840	1180	1340	1440	825	891	598	489	648
4	2280	1830	---	1950	1410	1330	1620	806	834	526	395	722
5	1660	1570	---	1630	1330	1300	1510	793	835	538	439	1930
6	1060	1460	3540	1470	1820	1160	1500	780	738	507	504	2350
7	845	1270	3390	1660	2270	1120	1280	738	674	551	450	1700
8	788	1200	3260	2230	2470	1250	1290	692	672	485	495	1140
9	714	1160	3170	3040	2300	1100	1560	687	777	573	568	895
10	843	1010	3110	2420	1900	1080	1520	679	775	467	609	780
11	819	957	3050	1700	2870	1080	1350	679	886	539	472	725
12	803	986	3100	1470	---	1080	1320	675	815	455	616	698
13	850	1030	3520	1350	---	1090	1250	680	850	528	777	663
14	853	916	---	1300	3480	2280	1270	799	815	503	823	527
15	1050	979	---	1400	2530	---	1090	750	792	402	745	607
16	1590	911	---	1450	2390	---	1190	841	689	529	661	508
17	1680	915	3160	1560	2320	3590	1190	904	650	456	594	585
18	1700	1020	2510	1610	2510	2810	1090	719	601	547	497	502
19	1820	933	2530	1490	2990	2410	968	757	670	544	549	632
20	1410	897	2390	1730	3020	---	947	1010	654	437	558	651
21	1160	1240	2060	1810	2650	---	1050	923	619	509	664	642
22	1390	2420	1690	1660	2090	---	1020	862	604	443	673	623
23	1670	3590	1570	1580	2110	---	1200	821	612	549	573	601
24	1800	3150	1480	1480	2010	---	994	790	622	479	578	573
25	1740	2130	2220	1670	1800	3440	1130	799	686	538	464	430
26	1700	1500	1420	1260	1600	2670	1040	735	669	472	529	505
27	1430	1250	1460	1300	1540	2510	1040	707	535	571	431	422
28	1360	1240	2030	1700	1690	2390	935	747	605	455	548	514
29	2550	1210	1370	1530	---	2480	909	778	687	506	493	396
30	2760	1450	1290	1380	---	2250	898	985	647	525	554	510
31	1680	---	1350	1380	---	1910	---	1190	---	418	572	---
TOTAL	42503	43824	---	51340	---	---	37151	25019	22074	15888	17208	22727
MEAN	1371	1461	---	1656	---	---	1238	807	736	513	555	758
MAX	2760	3590	---	3040	---	---	1780	1190	1150	632	823	2350
MIN	656	897	---	1260	---	---	898	675	535	402	395	396
CFSM	.51	.54	---	.62	---	---	.46	.30	.27	.19	.21	.28
IN.	.59	.61	---	.71	---	---	.51	.35	.31	.22	.24	.31

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 chemical 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, 272 microsiemens Sept. 25, 1986; minimum recorded, 25 microsiemens Jan. 7, 1974.
pH: Maximum recorded, 7.8 units Oct. 1, 1971; 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, 272 microsiemens Sept. 25; minimum, 60 microsiemens Mar. 20.
pH: Maximum, 7.5 units Jan. 28, 29; minimum, 6.6 units Nov. 23.
WATER TEMPERATURE: Maximum, 34.5°C July 21; minimum, 5.0°C Jan. 28, 29.
DISSOLVED OXYGEN: Maximum, 11.5 mg/L Dec. 27, 28; minimum, 2.8 mg/L July 30, Aug. 1.

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM)	PH (STAND-ARD UNITS)	PH LAB (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	TEMPER-ATURE, AIR (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)
OCT										
03...	1045	847	150	146	7.10	7.10	24.5	27.5	4.1	49
NOV										
18...	1630	984	138	134	7.00	7.30	21.0	25.0	6.3	71
DEC										
03...	1030	--	88	81	7.00	7.10	14.5	2.0	7.9	77
JAN										
13...	1600	1310	114	110	7.20	7.00	9.0	5.0	10.2	89
FEB										
04...	1345	1470	118	111	7.30	7.20	12.5	22.0	9.7	92
MAR										
03...	1545	1300	118	112	7.30	7.10	13.0	26.0	9.6	92
APR										
16...	1715	1160	115	114	7.10	6.90	20.0	19.5	7.2	80
MAY										
14...	1045	838	143	142	7.00	7.00	25.0	27.0	4.9	60
JUN										
11...	1545	910	155	148	7.00	7.10	30.5	38.0	3.6	49
JUL										
21...	1850	520	163	170	7.20	7.40	34.0	32.0	5.5	79
AUG										
18...	1830	487	201	199	7.20	7.30	31.5	27.5	5.0	69
SEP										
18...	1945	485	254	239	7.20	7.30	26.0	--	5.0	62

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (NTU)	OXYGEN DEMAND, CHEMICAL (LOW LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	COLIFORM, FECAL, EC BROTH (MPN)	ALKALINITY LAB (MG/L AS CACO3)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)
OCT									
03...	25	14	18	2.5	23000	35	20	0.410	0.470
NOV									
18...	15	9.0	15	1.3	49000	35	<1	0.510	0.200
DEC									
03...	250	41	12	1.8	49000	23	38	0.360	0.110
JAN									
13...	45	10	13	--	22000	30	5	0.600	0.130
FEB									
04...	35	11	14	2.6	110000	32	12	0.600	0.420
MAR									
03...	20	6.0	14	1.6	11000	30	6	0.600	0.200
APR									
16...	45	15	13	1.7	--	29	7	0.560	0.400
MAY									
14...	15	14	12	4.7	1700	34	14	1.16	0.900
JUN									
11...	30	15	15	4.3	330000	37	20	0.590	0.410
JUL									
21...	25	6.0	13	1.8	70	37	7	0.720	0.070
AUG									
18...	35	11	16	1.7	790	46	13	1.00	0.110
SEP									
18...	--	9.0	17	1.6	790	61	13	1.22	0.740

DATE	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT					
03...	0.43	0.90	1.3	0.270	8.2
NOV					
18...	0.30	0.50	1.0	0.130	7.6
DEC					
03...	0.19	0.30	0.66	0.080	6.4
JAN					
13...	0.27	0.40	1.0	0.180	6.0
FEB					
04...	0.28	0.70	1.3	0.120	4.3
MAR					
03...	0.20	0.40	1.0	0.110	4.9
APR					
16...	0.0	0.40	0.96	0.140	6.5
MAY					
14...	0.0	0.90	2.1	0.270	5.5
JUN					
11...	0.29	0.70	1.3	0.180	5.2
JUL					
21...	0.63	0.70	1.4	0.260	4.9
AUG					
18...	0.29	0.40	1.4	0.330	8.8
SEP					
18...	0.26	1.0	2.2	0.360	9.1

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

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	169	156	132	118	103	79	111	105	135	122	123	108
2	169	140	129	120	91	85	106	99	122	115	124	112
3	153	118	139	119	88	85	108	99	128	119	123	115
4	115	110	128	118	---	---	109	101	122	112	127	118
5	132	116	141	119	---	---	118	103	129	112	129	123
6	148	132	141	125	---	---	119	110	121	106	131	126
7	149	145	141	131	---	---	114	98	110	102	140	127
8	154	141	140	128	---	---	100	81	104	101	132	121
9	172	150	142	127	96	95	93	80	103	95	132	128
10	170	141	140	128	100	96	113	87	108	97	130	128
11	152	137	140	129	100	94	125	111	105	81	130	125
12	154	137	134	129	97	90	121	112	86	79	133	124
13	138	124	139	126	94	86	123	115	89	82	130	125
14	137	123	147	139	94	87	123	114	97	87	125	65
15	147	114	145	134	87	85	116	106	112	98	86	63
16	129	107	147	142	90	86	110	103	105	94	84	81
17	124	108	151	135	103	90	113	98	102	96	89	83
18	123	108	140	129	104	94	116	102	107	99	95	88
19	126	107	149	139	102	94	125	115	104	95	103	95
20	138	115	161	145	104	96	121	109	97	86	94	60
21	142	121	162	104	116	103	124	110	110	90	73	62
22	135	113	115	86	112	102	124	114	113	100	71	64
23	127	109	94	83	116	110	124	115	110	100	84	73
24	123	107	96	94	117	93	130	120	112	102	85	79
25	121	106	105	96	114	94	124	113	118	106	94	86
26	125	108	119	106	117	113	124	121	120	112	101	94
27	136	114	128	117	115	92	130	122	121	112	97	89
28	136	121	130	126	111	95	124	110	113	107	97	88
29	120	109	130	125	120	111	131	114	---	---	96	85
30	126	112	131	105	119	114	131	123	---	---	103	87
31	140	120	---	---	115	109	125	118	---	---	101	94
MONTH	172	106	162	83	120	79	131	80	135	79	140	60

	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	104	91	144	125	149	123	188	167	225	170	227	184
2	107	92	160	143	151	130	197	172	201	167	190	177
3	117	106	160	146	155	144	194	176	213	162	212	185
4	110	99	160	144	163	153	207	182	183	161	212	184
5	115	107	153	140	167	158	199	167	186	173	188	90
6	112	102	154	140	176	160	188	175	181	173	136	104
7	114	111	167	145	186	167	175	163	188	174	144	136
8	122	112	173	158	184	167	211	174	188	169	166	144
9	116	107	176	159	173	150	214	180	199	140	180	166
10	118	103	175	161	176	148	199	181	185	167	197	177
11	124	110	186	159	168	149	207	177	218	184	212	193
12	122	114	183	164	172	154	229	188	209	157	222	209
13	122	113	168	155	179	156	226	189	176	150	230	216
14	117	107	161	135	178	163	218	186	208	162	245	223
15	128	116	148	129	170	157	248	215	206	194	232	204
16	123	115	143	125	168	160	222	193	200	191	246	214
17	125	116	141	125	182	161	227	201	195	181	239	212
18	131	119	169	142	200	180	222	177	202	183	254	221
19	135	126	161	141	---	---	196	179	200	183	253	204
20	134	125	142	122	---	---	212	187	199	188	224	208
21	130	116	149	135	---	---	202	160	198	151	217	204
22	131	120	151	144	182	168	202	168	195	159	205	192
23	126	111	163	147	178	157	202	177	224	187	215	199
24	139	124	165	153	175	153	209	190	226	201	225	207
25	133	120	158	148	---	---	207	183	229	209	272	225
26	134	127	163	149	---	---	203	178	219	195	266	223
27	133	123	169	148	---	---	195	153	244	213	268	241
28	134	124	169	154	---	---	176	158	240	195	245	216
29	142	124	177	148	---	---	180	163	234	183	267	246
30	142	135	173	141	183	169	194	166	226	202	242	222
31	---	---	147	130	---	---	208	175	222	195	---	---
MONTH	142	91	186	122	200	123	248	153	244	140	272	90
YEAR	272	60										

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

PH (STANDARD UNITS), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	7.1	7.0	7.0	6.9	7.1	6.9	7.2	7.2	7.3	7.2	7.2	7.2
2	7.1	7.0	7.0	6.9	7.0	6.9	7.2	7.2	7.4	7.2	7.3	7.2
3	7.1	6.9	7.0	6.9	7.0	7.0	7.2	7.2	7.2	7.2	7.3	7.3
4	7.0	7.0	7.1	7.0	---	---	7.2	7.2	7.3	7.3	7.3	7.2
5	7.1	6.9	7.1	7.0	---	---	7.2	7.2	7.3	7.1	7.3	7.2
6	7.0	7.0	7.1	7.0	---	---	7.3	7.2	7.2	7.1	7.2	7.2
7	7.1	7.0	7.2	7.0	---	---	7.3	7.2	7.1	7.1	7.2	7.2
8	7.1	7.0	7.2	7.1	---	---	7.2	6.9	7.2	7.1	7.2	7.2
9	7.1	7.0	7.2	7.2	7.2	7.2	7.1	6.9	7.1	7.1	7.2	7.2
10	7.1	6.9	7.2	7.1	7.2	7.1	7.1	7.1	7.1	7.0	7.3	7.2
11	7.1	7.0	7.1	7.1	7.1	7.1	7.2	7.1	7.1	7.0	7.2	7.1
12	7.0	6.9	7.2	7.1	7.1	7.1	7.2	7.1	7.0	7.0	7.1	7.1
13	7.0	7.0	7.1	7.0	7.1	7.0	7.2	7.2	7.1	7.0	7.1	7.1
14	7.0	7.0	7.0	7.0	7.0	6.9	7.2	7.2	7.2	7.1	7.1	7.0
15	7.1	7.0	7.0	6.9	7.0	7.0	7.2	7.2	7.1	7.1	6.9	6.9
16	7.1	7.0	7.0	6.9	7.1	7.0	7.2	7.1	7.2	7.1	6.9	6.9
17	7.1	7.0	7.0	6.9	7.1	6.9	7.3	7.1	7.2	7.1	7.0	6.9
18	7.1	7.0	7.1	7.0	7.1	7.0	7.3	7.1	7.2	7.1	7.0	6.9
19	7.2	7.0	7.1	7.0	7.1	7.0	7.1	7.1	7.1	7.1	7.0	7.0
20	7.2	7.1	7.1	7.0	7.1	7.1	7.2	7.1	7.1	7.0	7.0	6.7
21	7.1	7.1	7.0	6.9	7.1	7.0	7.2	7.1	7.1	7.0	6.8	6.7
22	7.2	7.0	7.0	6.8	7.2	7.1	7.2	7.1	7.0	7.0	6.8	6.7
23	7.2	7.0	6.8	6.6	7.1	7.1	7.2	7.1	7.1	7.0	7.0	6.8
24	7.1	7.0	6.8	6.7	7.2	7.1	7.2	7.1	7.2	7.0	7.0	6.9
25	7.1	6.9	6.8	6.7	7.2	7.1	7.3	7.2	7.2	7.1	6.9	6.9
26	7.0	6.9	6.9	6.8	7.2	7.2	7.2	7.1	7.2	7.1	6.9	6.9
27	7.0	7.0	7.0	6.9	7.3	7.2	7.4	7.2	7.2	7.1	6.9	6.9
28	7.1	7.0	7.0	7.0	7.3	7.1	7.5	7.4	7.2	7.1	7.0	6.9
29	7.1	7.0	7.1	7.0	7.1	7.1	7.5	7.3	---	---	7.1	6.9
30	7.0	7.0	7.1	7.0	7.2	7.1	7.4	7.3	---	---	7.1	7.0
31	7.0	6.9	---	---	7.2	7.2	7.3	7.3	---	---	7.1	7.0
MONTH	7.2	6.9	7.2	6.6	7.3	6.9	7.5	6.9	7.4	7.0	7.3	6.7
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	7.1	7.0	7.3	7.1	7.3	7.2	7.2	7.1	7.1	7.0	7.3	7.1
2	7.1	7.0	7.2	7.2	7.3	7.2	7.2	7.1	7.1	7.0	7.3	7.2
3	7.0	6.9	7.2	7.2	7.3	7.2	7.1	7.1	7.1	7.0	7.3	7.2
4	7.0	6.9	7.3	7.2	7.3	7.2	7.1	7.1	7.2	7.1	7.2	7.2
5	7.0	6.8	7.3	7.3	7.2	7.2	7.1	7.1	7.4	7.2	7.2	6.7
6	7.1	7.0	7.3	7.2	7.2	7.1	7.2	7.1	7.3	7.2	6.8	6.7
7	7.1	7.0	7.3	7.2	7.1	7.1	7.3	7.2	7.3	7.1	6.8	6.7
8	7.1	7.0	7.2	7.2	7.2	7.1	7.3	7.2	7.3	7.1	7.0	6.8
9	7.1	7.0	7.2	7.1	7.3	7.2	7.2	7.1	7.2	6.8	7.0	7.0
10	7.1	7.0	7.3	7.2	7.3	7.1	7.1	7.1	7.2	7.0	7.1	7.0
11	7.1	7.0	7.2	7.2	7.1	7.0	7.1	7.0	7.2	7.1	7.2	7.1
12	7.1	7.0	7.2	7.2	7.1	7.1	7.1	7.1	7.2	7.0	7.2	7.1
13	7.1	7.0	7.2	7.1	7.1	7.0	7.1	7.1	7.2	6.9	7.2	7.1
14	7.2	7.1	7.1	7.1	7.1	7.0	7.2	7.1	7.0	6.8	7.2	7.2
15	7.2	7.1	7.2	7.1	7.1	7.0	7.2	7.2	6.8	6.7	7.3	7.2
16	7.4	7.1	7.1	7.1	7.2	7.2	7.2	7.1	6.9	6.8	7.3	7.3
17	7.4	7.3	7.1	7.0	7.2	7.1	7.1	7.1	7.1	6.9	7.4	7.2
18	7.3	7.3	7.0	7.0	7.1	7.0	7.1	7.1	7.3	7.0	7.2	7.1
19	7.3	7.2	7.1	7.0	---	---	7.1	7.0	7.3	7.2	7.3	7.1
20	7.2	7.2	7.1	7.0	---	---	7.2	7.0	7.3	7.2	7.3	7.2
21	7.3	7.2	7.2	7.1	---	---	7.3	7.1	7.1	6.8	7.3	7.2
22	7.3	7.3	7.2	7.2	7.1	7.1	7.3	7.1	7.0	6.8	7.4	7.3
23	7.3	7.3	7.3	7.2	7.2	7.1	7.1	7.0	7.0	6.9	7.3	7.2
24	7.3	7.3	7.2	7.2	7.2	7.1	7.1	7.0	7.1	7.0	7.3	7.2
25	7.3	7.3	7.3	7.2	---	---	7.1	7.0	7.3	7.1	7.2	7.1
26	7.3	7.2	7.3	7.3	---	---	7.0	6.8	7.3	7.2	7.2	7.1
27	7.2	7.2	7.4	7.3	---	---	6.9	6.8	7.5	7.3	7.3	7.1
28	7.2	7.2	7.4	7.3	---	---	7.0	6.9	7.4	7.3	7.3	7.2
29	7.2	7.1	7.3	7.2	---	---	7.1	6.9	7.3	7.1	7.3	7.2
30	7.2	7.1	7.2	7.1	7.2	7.0	7.0	6.9	7.1	7.0	7.3	7.2
31	---	---	7.2	7.1	---	---	7.0	6.9	7.1	7.0	---	---
MONTH	7.4	6.8	7.4	7.0	7.3	7.0	7.3	6.8	7.5	6.7	7.4	6.7
YEAR	7.5	6.6										

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

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	25.5	23.5	21.0	19.5	19.5	18.5	8.5	8.0	10.0	8.0	12.5	11.5
2	25.5	24.5	21.0	20.5	18.0	16.0	8.5	8.0	10.5	9.0	11.5	11.0
3	25.5	24.0	20.5	20.0	---	---	10.5	8.5	12.5	10.0	13.0	11.0
4	26.0	24.5	20.5	17.5	---	---	10.0	9.5	12.5	12.0	13.5	12.0
5	25.0	24.0	18.0	15.5	---	---	9.5	9.0	14.0	12.0	13.5	12.5
6	24.0	22.0	16.5	16.0	---	---	9.0	8.0	14.0	13.0	15.0	12.5
7	22.5	20.5	16.0	15.5	---	---	8.0	7.5	13.5	13.0	15.0	13.5
8	21.0	19.5	16.5	16.0	---	---	7.5	7.0	13.0	12.0	14.5	13.5
9	22.0	20.0	16.5	15.5	---	---	7.0	6.0	12.0	11.0	15.0	13.5
10	23.0	21.5	17.0	15.5	13.0	12.5	7.5	6.0	12.0	11.0	16.0	14.0
11	24.5	22.0	18.5	16.5	13.5	12.5	8.5	7.5	12.0	11.0	17.5	15.5
12	26.0	23.0	19.5	17.5	14.5	13.5	8.5	7.0	11.0	8.5	18.5	17.0
13	25.5	24.5	19.5	19.0	15.0	14.0	9.0	7.5	8.5	7.5	19.0	18.0
14	25.5	24.0	21.0	19.5	14.5	12.0	8.5	7.5	8.5	7.0	18.5	15.0
15	26.5	24.5	21.0	20.0	11.5	9.5	8.5	7.5	9.5	8.5	15.5	14.5
16	25.5	24.5	21.5	20.0	9.0	9.0	8.5	7.5	10.0	9.0	16.0	15.0
17	25.0	24.0	21.5	20.5	9.0	8.5	10.5	8.5	11.5	9.5	16.5	15.0
18	24.0	23.0	21.0	20.5	9.5	9.0	10.5	9.0	12.5	11.0	18.0	16.5
19	24.0	23.0	21.5	20.5	9.0	8.5	12.0	11.0	13.0	12.5	18.5	18.0
20	24.5	23.0	21.5	21.0	9.0	8.5	11.5	10.5	13.5	12.5	18.0	15.0
21	24.5	23.5	22.0	21.5	9.0	8.0	10.5	9.5	15.0	13.5	15.0	13.0
22	24.5	23.0	21.0	19.5	8.0	7.5	11.0	10.0	15.5	15.0	13.5	12.5
23	23.5	22.5	19.5	18.5	9.0	7.5	12.0	11.0	15.0	14.0	14.0	12.5
24	23.0	22.5	18.0	17.5	9.5	8.5	11.5	10.5	14.0	13.0	15.0	13.0
25	23.5	22.5	17.5	17.5	9.0	8.0	10.5	9.5	13.0	12.5	16.5	14.5
26	23.0	22.5	18.5	17.5	8.0	5.5	10.5	9.5	13.0	12.0	17.5	16.0
27	22.5	21.0	19.5	18.5	6.5	5.5	10.0	6.0	14.0	13.0	18.5	17.0
28	21.0	20.5	20.0	19.5	8.0	6.0	6.0	5.0	14.0	12.5	18.5	17.0
29	21.0	20.0	20.0	19.5	8.5	8.0	7.0	5.0	---	---	18.0	17.0
30	20.0	18.5	20.5	20.0	8.5	7.5	8.0	7.0	---	---	18.5	16.5
31	20.0	18.5	---	---	8.0	7.0	8.5	7.5	---	---	19.0	17.5
MONTH	26.5	18.5	22.0	15.5	19.5	5.5	12.0	5.0	15.5	7.0	19.0	11.0
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	20.0	17.5	24.5	23.0	28.0	27.0	32.5	29.5	34.0	30.5	23.5	21.5
2	20.0	18.5	25.0	23.0	28.5	27.5	32.0	30.0	33.5	31.0	25.0	23.0
3	21.0	19.0	24.5	22.5	28.5	27.0	32.0	29.5	32.5	31.0	26.0	24.0
4	21.0	19.0	24.0	21.5	27.0	26.5	32.0	29.0	32.0	30.0	26.5	25.0
5	21.5	19.5	24.0	21.0	27.5	26.5	32.0	29.5	32.5	29.5	27.0	25.0
6	22.0	20.5	25.5	22.0	28.5	26.0	32.0	29.0	31.5	30.0	25.5	25.0
7	22.5	20.5	26.0	23.5	29.5	27.0	33.0	29.5	31.0	29.5	26.5	25.5
8	22.5	21.0	27.0	24.0	29.5	27.0	32.5	30.0	31.5	28.5	27.5	26.0
9	21.5	19.0	28.0	24.5	29.5	28.0	34.0	30.5	30.0	28.0	27.5	26.5
10	19.0	17.5	27.5	25.0	29.5	28.0	33.0	31.0	32.0	29.0	27.0	26.0
11	19.0	16.5	26.0	24.0	30.5	28.5	33.5	30.5	31.5	29.0	28.0	26.0
12	18.0	16.5	24.5	24.0	31.0	29.0	33.0	30.5	31.5	29.0	28.0	27.0
13	19.5	16.0	25.0	23.5	31.0	29.5	33.5	30.5	29.0	28.0	29.0	26.5
14	20.5	17.5	26.0	24.0	31.0	29.0	32.5	31.0	28.5	28.0	28.0	26.0
15	21.0	18.0	26.5	24.5	31.0	29.0	31.5	29.5	29.5	27.5	28.5	26.5
16	20.0	17.0	27.5	25.0	31.5	29.0	33.5	30.5	31.5	29.0	28.5	26.5
17	19.5	18.0	27.5	25.5	31.5	29.0	33.0	30.5	32.0	29.5	28.5	26.5
18	19.5	17.5	27.5	25.5	32.0	29.0	33.5	30.5	31.5	29.0	26.5	25.5
19	20.5	18.0	26.5	24.5	---	---	34.0	31.0	31.0	29.5	28.0	25.0
20	20.5	19.0	25.5	24.0	---	---	34.0	31.5	30.5	28.5	29.0	26.5
21	20.5	19.5	26.0	24.0	---	---	34.5	31.0	29.0	27.0	29.5	27.0
22	20.5	19.0	25.5	23.0	32.0	29.5	32.5	31.0	30.5	27.0	30.0	28.0
23	19.5	18.0	25.5	22.5	32.0	29.5	33.0	30.5	31.0	28.5	30.0	28.0
24	20.0	17.0	27.0	23.5	32.0	29.5	33.0	30.5	32.0	29.5	30.0	28.0
25	20.5	18.0	28.0	25.0	---	---	32.5	30.5	31.5	29.5	30.0	27.5
26	22.5	19.0	28.5	26.0	---	---	31.5	30.0	32.0	29.5	31.0	28.0
27	24.0	21.0	28.0	26.5	---	---	32.0	29.0	32.0	29.5	30.5	28.0
28	25.0	22.5	27.5	25.5	---	---	32.0	29.0	31.5	29.5	31.0	29.0
29	25.0	23.0	27.5	25.5	---	---	33.5	30.5	29.0	25.0	29.5	27.5
30	25.0	22.5	28.0	26.0	32.0	29.5	34.0	31.5	25.0	22.5	30.0	28.5
31	---	---	28.5	27.5	---	---	33.5	30.5	22.5	22.0	---	---
MONTH	25.0	16.0	28.5	21.0	32.0	26.0	34.5	29.0	34.0	22.0	31.0	21.5
YEAR	34.5	5.0										

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

OXYGEN, DISSOLVED (DO), MG/L, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	5.1	3.7	6.9	5.9	7.4	7.1	10.6	10.4	10.7	10.1	9.1	8.7
2	4.4	3.4	6.2	5.4	7.6	7.3	10.7	10.5	10.7	10.2	9.7	9.2
3	4.7	3.9	6.4	5.4	7.9	7.7	10.5	10.1	10.2	9.6	9.7	9.5
4	5.7	4.9	7.1	6.4	---	---	10.4	9.9	9.9	9.6	9.5	8.9
5	5.7	4.7	7.5	6.7	---	---	10.3	9.7	9.9	8.8	9.0	8.8
6	5.3	4.9	7.7	6.8	---	---	10.4	9.9	9.2	8.7	9.0	8.5
7	5.6	5.3	7.6	6.9	---	---	10.8	10.4	9.4	8.9	8.7	7.8
8	6.1	4.9	7.1	6.5	---	---	10.7	9.9	9.5	9.2	8.6	8.4
9	5.6	4.5	7.2	6.6	9.6	9.6	11.0	10.2	10.0	9.4	8.7	8.3
10	5.1	4.4	7.3	6.7	9.5	9.3	11.0	10.1	10.0	9.5	8.7	8.1
11	5.4	4.7	6.9	6.6	9.3	9.2	10.4	9.8	9.7	9.3	8.2	7.1
12	5.0	3.9	6.9	6.1	9.2	9.0	10.4	9.9	10.2	9.7	7.5	6.9
13	5.2	4.7	6.4	5.8	9.0	8.6	10.3	10.1	10.8	10.1	7.2	6.5
14	5.7	5.3	5.9	5.2	8.9	8.5	10.3	10.2	10.8	10.6	8.2	7.1
15	6.1	4.6	5.9	5.5	9.7	8.9	10.5	10.2	10.7	10.1	8.4	8.2
16	6.3	5.4	5.7	5.1	9.9	9.6	10.8	10.2	10.6	10.3	8.3	8.0
17	6.4	5.4	5.9	5.1	9.8	9.1	10.9	9.9	10.5	9.9	8.1	8.0
18	6.4	5.3	6.4	6.1	9.8	9.1	10.8	9.6	10.3	9.7	8.2	7.8
19	6.7	5.7	6.3	5.6	9.8	9.3	9.6	9.1	9.7	9.4	7.8	7.5
20	6.6	5.4	6.0	5.0	9.8	9.5	9.8	9.2	9.4	9.0	7.7	7.2
21	6.1	5.5	6.2	5.0	9.8	9.2	10.0	9.7	9.3	8.7	8.2	7.7
22	6.6	5.3	6.6	5.8	10.1	9.9	9.9	9.6	8.8	8.4	8.8	8.3
23	6.7	5.2	6.7	6.2	10.1	9.8	9.7	9.3	8.8	8.5	9.0	8.7
24	6.8	5.7	6.5	6.4	10.6	9.8	9.7	9.4	9.1	8.9	9.0	8.7
25	6.9	5.7	6.8	6.5	10.6	9.8	10.3	9.7	9.2	8.9	8.8	8.4
26	6.8	5.4	6.9	6.3	10.7	10.0	9.8	9.6	9.1	8.7	8.4	7.9
27	6.9	6.4	6.5	6.1	11.5	10.7	10.6	9.8	9.0	8.6	8.2	7.8
28	7.1	6.5	6.3	6.0	11.5	10.4	11.4	10.6	9.1	8.6	8.1	7.5
29	7.3	6.8	6.5	6.3	10.3	10.1	11.4	10.8	---	---	8.2	7.7
30	7.2	6.9	7.3	6.4	10.4	10.1	10.9	10.7	---	---	8.4	7.8
31	6.9	5.7	---	---	10.5	10.3	10.8	10.5	---	---	8.2	7.9
MONTH	7.3	3.4	7.7	5.0	11.5	7.1	11.4	9.1	10.8	8.4	9.7	6.5
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	8.1	7.5	5.9	4.1	5.6	5.4	4.9	4.1	5.1	2.8	6.5	6.1
2	8.2	7.3	4.4	3.4	5.8	5.4	4.2	3.8	5.1	3.7	6.4	6.0
3	7.6	6.8	4.5	4.0	5.7	5.1	4.1	3.9	5.0	3.5	6.2	5.2
4	7.3	6.8	5.2	4.5	5.2	4.1	4.1	3.6	5.9	5.1	5.7	4.7
5	7.2	6.6	5.9	5.2	4.6	3.6	4.5	3.8	6.0	5.2	5.9	4.6
6	7.1	6.9	5.9	5.0	4.3	3.2	5.1	4.5	5.8	5.4	5.4	5.0
7	7.1	6.7	5.4	3.9	3.8	3.3	5.5	5.0	6.0	5.0	5.4	5.2
8	7.1	6.3	4.5	3.9	4.3	3.8	5.3	4.2	5.5	4.8	5.7	5.5
9	6.9	6.6	4.4	3.8	5.4	4.4	4.5	4.0	5.3	4.2	5.7	5.3
10	7.5	7.2	4.7	4.2	5.3	3.6	4.5	3.8	5.2	4.7	5.6	5.1
11	7.8	7.2	5.1	4.5	4.5	3.0	4.2	3.7	5.2	5.0	5.4	4.8
12	7.8	7.5	5.3	4.8	3.9	3.6	4.4	3.6	5.5	4.8	5.0	4.6
13	7.9	7.3	5.8	4.9	4.1	3.6	4.5	3.5	5.2	4.8	5.0	4.5
14	7.8	7.5	5.3	4.8	3.9	3.6	5.2	4.3	5.4	5.0	5.0	4.4
15	8.1	7.0	5.4	4.4	4.3	3.7	5.1	4.0	5.3	4.7	5.7	4.8
16	7.8	7.1	5.3	4.5	4.7	4.3	4.5	4.2	5.0	4.5	5.8	5.0
17	7.3	7.1	5.4	4.6	4.9	3.8	4.3	3.6	5.0	4.6	5.6	5.1
18	7.3	7.0	4.9	4.3	3.8	3.5	4.4	3.2	5.3	5.0	5.5	4.8
19	7.1	6.5	5.6	4.8	---	---	4.2	3.7	5.5	4.6	5.5	4.6
20	6.8	6.5	5.9	5.0	---	---	4.8	3.7	5.3	4.5	5.6	4.9
21	7.0	6.7	5.9	5.3	---	---	5.8	4.2	5.1	4.1	5.6	5.1
22	7.0	6.6	6.1	5.6	4.6	4.0	5.8	4.2	4.9	3.8	5.9	5.6
23	7.1	6.9	6.2	5.4	5.1	4.2	4.8	3.7	4.4	3.8	5.9	4.9
24	7.1	6.5	5.8	5.1	5.4	4.7	4.9	3.8	4.8	3.9	5.3	4.5
25	7.0	6.6	5.8	5.2	---	---	4.9	3.9	5.1	4.9	4.6	3.9
26	6.5	6.0	5.8	5.4	---	---	4.6	3.7	5.4	4.5	4.5	4.0
27	6.2	5.9	5.9	5.4	---	---	5.1	3.6	4.8	3.9	4.6	4.1
28	6.2	5.7	5.8	4.8	---	---	5.7	5.1	4.6	3.9	5.0	4.3
29	6.1	5.4	5.3	4.6	---	---	5.9	3.6	4.8	4.3	5.3	5.0
30	5.8	5.4	5.1	4.6	4.5	4.4	4.2	2.8	5.7	4.7	5.8	4.0
31	---	---	5.3	5.0	---	---	4.4	3.0	6.2	5.6	---	---
MONTH	8.2	5.4	6.2	3.4	5.8	3.0	5.9	2.8	6.2	2.8	6.5	3.9
YEAR	11.5	2.8										

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 determination of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen is 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 1985 TO SEPTEMBER 1986

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM)	PH (STAND-ARD UNITS)	PH LAB (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	TEMPER-ATURE, AIR (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)
NOV										
19...	1355	1210	125	123	7.10	7.00	20.5	25.5	6.5	73
DEC										
09...	1430	4350	90	83	7.30	7.10	11.0	20.0	9.1	83
JAN										
21...	1350	2340	97	90	7.40	7.20	10.0	20.0	9.8	88
FEB										
24...	1340	2590	101	94	7.10	6.90	14.0	22.0	9.2	91
MAR										
18...	1450	6900	78	74	6.90	6.70	17.0	27.0	7.0	74
APR										
14...	1420	1650	108	107	6.90	6.90	18.5	27.5	7.4	80
MAY										
20...	1250	1090	128	128	7.00	6.80	24.5	27.5	6.0	73
JUN										
17...	1315	792	143	142	6.90	7.10	29.0	35.0	7.0	93
JUL										
22...	1220	575	154	157	7.00	7.30	30.0	35.0	5.8	78
AUG										
18...	1225	718	161	161	7.00	7.20	29.0	31.0	5.5	73
SEP										
16...	1300	745	172	170	7.00	7.40	26.0	31.5	6.9	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-LINITY 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...	35	10	0.9	4600	31	0.520	0.130	0.140	5.8
DEC									
09...	100	31	1.2	33000	23	0.550	0.070	0.080	5.1
JAN									
21...	60	25	0.8	23000	25	0.500	0.200	0.120	4.8
FEB									
24...	30	24	2.1	140000	24	0.550	0.210	0.120	5.4
MAR									
18...	90	29	1.2	790	19	0.270	0.090	0.080	5.7
APR									
14...	35	21	1.3	2300	25	0.660	0.270	0.140	5.2
MAY									
20...	30	17	1.1	230	23	0.920	0.170	0.260	9.2
JUN									
17...	30	10	1.5	130	35	0.710	0.090	0.220	5.5
JUL									
22...	35	8.0	1.3	20	35	0.750	0.060	0.370	8.3
AUG									
18...	20	15	1.7	80	31	1.04	0.100	0.290	5.8
SEP									
16...	35	13	1.7	--	37	0.700	0.080	0.260	7.8

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 mi^2, 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.--No estimated daily discharges. Records good. Flow regulated by Lloyds Shoals Reservoir. (See "Lakes and Reservoirs in Altamaha River Basin", station 02210000.)
AVERAGE DISCHARGE.--50 years, 5,535 ft^3/s, 14.51 in/yr.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 70,000 ft^3/s Dec. 8, 1948; maximum gage height, 22.7 ft Dec. 9, 1948; minimum discharge, 800 ft^3/s Oct. 30 to Nov. 3, 1954.
EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum discharge known since at least 1841, 98,400 ft^3/s Jan. 21, 1925, from rating extended above 67,000 ft^3/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.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 15,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)
Feb. 13	0100	*14,900	*12.45

Minimum discharge, 938 ft^3/s Aug. 9, gage height, -0.43 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1340	2400	5600	4330	3320	4780	8510	1890	1530	1190	1050	1250
2	1350	2500	5470	4380	3300	4440	7500	1830	1550	1190	1040	1230
3	1860	2640	5470	4330	3210	4190	5760	1760	1600	1260	1030	1210
4	3210	2750	5380	4320	3130	4050	4460	1720	1700	1270	1020	1210
5	3040	2800	5380	4380	3120	3930	3890	1720	1750	1230	985	1270
6	2290	2690	5460	4430	3860	3770	3600	1680	1680	1200	960	1550
7	2060	2540	5600	4420	5900	3610	3350	1620	1600	1180	945	1740
8	2280	2390	5770	4350	6930	3500	3200	1580	1530	1150	945	1770
9	2380	2310	5860	4140	7540	3380	3070	1540	1480	1120	940	2060
10	2160	2220	5870	3890	7900	3230	2940	1510	1440	1100	1000	2400
11	1890	2130	5890	4160	11200	3130	2780	1480	1400	1080	970	2500
12	1700	2080	5900	4670	14300	3100	2680	1430	1360	1060	1000	2350
13	1570	2080	6270	5020	14400	3060	2710	1410	1370	1050	995	2090
14	1520	2060	7700	5270	12700	3590	2710	1390	1440	1040	1100	1900
15	1500	1970	9430	5400	11000	4770	2620	1380	1480	1010	1120	1780
16	1470	1920	10200	5310	9710	5260	2540	1380	1480	1020	1080	1710
17	1460	1910	9800	4920	8890	5230	2470	1380	1440	1040	1160	1670
18	1450	1860	9330	4420	8350	5350	2410	1410	1430	1040	1290	1600
19	1510	1820	9120	4090	7950	5410	2310	1430	1400	1010	1350	1550
20	1780	1790	8870	3960	7650	5460	2270	1440	1360	990	1320	1630
21	2020	1920	8550	3900	7330	5790	2240	1480	1330	1010	1330	1690
22	2140	4120	8130	3900	6860	6190	2160	1440	1270	995	1330	1690
23	2210	8610	7720	3990	6420	6490	2070	1410	1240	1040	1250	1640
24	2190	10400	7230	4350	6180	6630	2010	1490	1240	1030	1200	1610
25	2040	8940	6410	4400	6050	6580	2000	1530	1230	995	1230	1540
26	1980	7180	5360	4280	5870	6440	2000	1500	1210	980	1320	1450
27	1860	6430	4630	4030	5540	6420	2030	1450	1190	995	1340	1370
28	2200	6130	4360	3800	5140	6670	1980	1410	1180	1020	1250	1300
29	2990	5900	4330	3630	---	7220	1960	1410	1210	990	1210	1220
30	3100	5700	4210	3420	---	7920	1930	1420	1220	985	1240	1150
31	2650	---	4170	3300	---	8500	---	1460	---	1000	1260	---
TOTAL	63200	110190	203470	133190	203750	158090	92160	46980	42340	33270	35260	49130
MEAN	2039	3673	6564	4296	7277	5100	3072	1515	1411	1073	1137	1638
MAX	3210	10400	10200	5400	14400	8500	8510	1890	1750	1270	1350	2500
MIN	1340	1790	4170	3300	3120	3060	1930	1380	1180	980	940	1150
CFSM	.39	.71	1.27	.83	1.41	.99	.59	.29	.27	.21	.22	.32
IN.	.45	.79	1.46	.96	1.46	1.14	.66	.34	.30	.24	.25	.35

CAL YR 1985 TOTAL 1324820 MEAN 3630 MAX 19700 MIN 1320 CFSM .70 IN 9.51
WTR YR 1986 TOTAL 1171030 MEAN 3208 MAX 14400 MIN 940 CFSM .62 IN 8.41

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 determination of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen is by the U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM)	PH (STAND-ARD UNITS)	PH LAB (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	TEMPER-ATURE, AIR (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)
NOV										
07...	0650	2580	107	109	7.40	7.20	15.0	10.5	6.3	62
13...	0735	2070	135	137	7.50	7.50	18.5	19.0	6.2	66
DEC										
05...	0735	5370	100	93	7.20	7.40	14.5	11.0	6.8	66
JAN										
09...	0740	4180	99	94	7.40	7.50	7.0	3.5	9.6	77
FEB										
06...	0730	3410	119	114	7.30	7.10	14.0	17.0	6.4	62
MAR										
05...	1450	3920	118	110	7.30	7.10	14.0	18.0	7.5	72
APR										
08...	1555	3180	122	115	7.20	7.30	24.0	30.5	4.4	53
MAY										
07...	1535	1620	155	152	7.70	7.60	25.0	33.0	4.0	48
JUN										
10...	1445	1420	162	162	7.90	7.70	30.0	35.0	4.9	64
JUL										
08...	1550	1150	180	182	8.00	8.00	29.0	38.5	5.2	67
AUG										
13...	0750	978	--	178	7.80	7.90	27.0	24.0	5.8	--
SEP										
09...	1420	2090	135	138	7.40	7.50	26.0	28.0	4.5	55

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 LAB (MG/L AS CACO3)	SOLIDS, RESIDUE 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)
NOV									
07...	55	15	--	2.2	330	32	18	0.470	0.100
13...	35	11	--	1.1	330	40	1	0.550	0.040
DEC									
05...	100	19	--	1.2	140	27	23	0.300	0.060
JAN									
09...	35	15	--	0.9	170	26	15	0.520	0.050
FEB									
06...	35	25	--	--	--	36	29	0.510	0.070
MAR									
05...	45	13	--	2.2	170	35	10	0.530	0.100
APR									
08...	40	22	--	1.3	230	38	16	0.550	0.050
MAY									
07...	55	10	--	1.5	20	48	15	0.780	0.060
JUN									
10...	25	14	--	5.3	20	49	10	0.460	0.120
JUL									
08...	10	6.0	17	--	<20	54	4	0.380	0.130
AUG									
13...	5	8.0	9	1.4	13000	51	9	0.550	0.070
SEP									
09...	50	21	20	1.5	130	32	25	0.720	0.050

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	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)
NOV					
07...	--	--	--	0.140	7.9
13...	--	--	--	0.110	6.0
DEC					
05...	--	--	--	0.080	11
JAN					
09...	--	--	--	0.100	7.6
FEB					
06...	--	--	--	0.080	6.8
MAR					
05...	--	--	--	0.070	8.4
APR					
08...	--	--	--	0.070	6.9
MAY					
07...	--	--	--	0.070	6.4
JUN					
10...	--	--	--	0.080	7.2
JUL					
08...	1.6	1.7	2.1	0.110	9.9
AUG					
13...	0.23	0.30	0.85	0.110	2.2
SEP					
09...	0.75	0.80	1.5	0.130	8.6

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 on U.S. Highways 319 and 441, 4.8 miles south of McRae.
DRAINAGE AREA.--49.2 mi^2.
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.--No estimated daily discharges. Records good except those below 10 ft^3/s, and those below 1.0 ft^3/s, which are poor.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,200, Nov. 22, 1985, gage height, 10.56 ft; no flow at times most years.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 600 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Nov. 22	1100	*2,220	*10.56	Feb. 11	1400	875	8.75

Minimum discharge, no flow on many days.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	180	261	95	29	43	24	.00	.00	.00	.00	.00
2	181	125	230	98	28	40	22	.00	.00	.00	.00	.00
3	239	95	193	84	28	37	19	.00	.00	.00	.00	.00
4	107	110	146	76	28	37	17	.00	.00	.00	.00	.00
5	35	54	130	68	45	37	15	.00	.00	.00	.00	.01
6	18	38	134	58	186	35	13	.00	.00	.00	.00	.00
7	11	31	126	52	348	32	12	.00	.00	.00	.00	.00
8	8.8	29	115	47	298	29	11	.00	.00	.00	.00	.00
9	8.8	27	96	42	240	27	9.1	.00	.00	.00	.00	.00
10	8.1	24	82	56	162	27	7.5	.00	.00	.00	.00	.01
11	9.2	23	74	135	695	27	6.3	.00	1.9	.00	.00	.09
12	9.1	24	92	135	453	28	5.4	.00	1.6	.00	.00	.02
13	7.6	25	337	101	277	36	5.3	.00	.59	.00	.00	.00
14	6.7	25	475	80	179	170	4.3	.00	.05	.00	.00	.00
15	5.6	24	371	59	132	266	3.4	.00	.00	.00	.00	.00
16	4.6	23	240	48	109	256	2.8	.00	.00	.00	.00	.00
17	3.9	21	164	47	95	156	2.0	.00	.00	.00	.00	.00
18	3.7	20	124	48	94	79	1.6	.00	.00	.00	.00	.00
19	4.0	18	105	56	101	58	1.2	.00	.00	.00	.00	.00
20	4.1	22	92	52	96	89	.90	.00	.00	.00	.00	.00
21	3.6	78	83	45	86	147	.68	.00	.00	.00	.00	.00
22	6.0	1360	77	40	78	137	.45	.00	.00	.00	.00	.00
23	64	679	73	44	88	94	.36	.00	.00	.00	.00	.00
24	32	317	73	43	82	66	.19	.00	.00	.00	.00	.00
25	29	226	69	39	68	54	.12	.00	.00	.00	.00	.00
26	16	162	62	41	56	43	.06	.00	.00	.00	.00	.00
27	11	123	58	45	51	40	.02	.00	.00	.00	.00	.00
28	166	104	60	41	47	37	.00	.00	.00	.00	.00	.00
29	241	135	82	37	---	33	.00	.00	.00	.00	.00	.00
30	120	360	83	35	---	30	.00	.00	.00	.00	.00	.00
31	107	---	73	33	---	27	---	.00	---	.00	.00	---
TOTAL	1520.80	4482	4380	1880	4179	2217	184.68	.00	4.14	.00	.00	.13
MEAN	49.1	149	141	60.6	149	71.5	6.16	.000	.14	.000	.000	.004
MAX	241	1360	475	135	695	266	24	.00	1.9	.00	.00	.09
MIN	.00	18	58	33	28	27	.00	.00	.00	.00	.00	.00
CFSM	1.00	3.03	2.86	1.23	3.03	1.45	.13	.000	.003	.000	.000	.000
IN.	1.15	3.39	3.31	1.42	3.16	1.68	.14	.00	.00	.00	.00	.00

CAL YR 1985 TOTAL 12102.47 MEAN 33.2 MAX 1360 MIN .00 CFSM .67 IN 9.14
WTR YR 1986 TOTAL 18847.75 MEAN 51.6 MAX 1360 MIN .00 CFSM 1.05 IN 14.24

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 mi^2.
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.--Estimated daily discharge: Jan. 28. 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.
AVERAGE DISCHARGE.--52 years (water years 1902, 1930-31, 1938-86), 521 ft^3/s, 17.78 in/yr.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge observed, 19,600 ft^3/s Feb. 28, 1902, gage height, 25.5 ft, site and datum then in use; minimum daily, 8.2 ft^3/s Aug. 8, 1986.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 3,800 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)
Nov. 30	0930	*2,030	*6.00

Minimum daily discharge, 8.2 ft^3/s Aug. 8.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	190	366	1160	323	250	238	275	166	181	54	34	57
2	376	558	720	318	245	235	270	160	152	37	29	124
3	345	375	515	282	233	224	264	154	137	58	32	188
4	281	328	426	276	223	221	260	147	134	28	24	178
5	244	296	382	265	229	218	258	144	137	39	15	163
6	214	261	356	257	231	215	260	141	125	34	8.4	147
7	191	240	337	252	193	218	247	141	130	39	8.7	115
8	181	236	318	254	234	218	258	153	178	44	8.2	117
9	180	233	303	252	226	221	306	171	145	48	13	92
10	181	225	294	253	229	225	296	145	178	20	14	84
11	185	226	287	258	254	221	251	135	197	19	96	83
12	186	224	297	256	270	220	245	132	145	19	105	78
13	185	218	424	242	237	275	277	149	123	19	71	99
14	183	214	590	229	231	715	261	160	109	18	91	131
15	185	207	408	236	277	542	231	161	105	15	77	94
16	180	204	360	242	308	421	225	147	99	13	64	97
17	170	208	337	241	277	370	210	138	96	13	55	77
18	178	206	322	246	280	334	206	143	90	14	62	87
19	182	196	307	314	293	392	203	145	84	11	51	99
20	180	201	296	330	279	826	206	167	83	17	48	104
21	177	262	291	268	276	797	212	176	81	11	38	89
22	232	389	284	245	273	526	260	148	87	9.7	40	92
23	366	369	288	241	267	434	223	129	75	9.9	46	81
24	293	294	285	234	249	389	199	120	67	14	33	73
25	256	257	278	238	241	356	199	122	60	28	24	62
26	239	245	256	266	238	336	192	130	34	27	17	72
27	225	247	250	288	245	328	184	135	45	18	20	55
28	228	249	265	240	245	316	182	190	50	24	29	24
29	226	278	268	219	---	303	171	476	54	30	20	48
30	212	1340	258	251	---	295	172	345	47	30	37	58
31	217	---	265	258	---	285	---	232	---	24	56	---
TOTAL	6868	9152	11427	8074	7033	10914	7003	5202	3228	784.6	1266.3	2868
MEAN	222	305	369	260	251	352	233	168	108	25.3	40.8	95.6
MAX	376	1340	1160	330	308	826	306	476	197	58	105	188
MIN	170	196	250	219	193	215	171	120	34	9.7	8.2	24
CFSM	.56	.77	.93	.65	.63	.88	.59	.42	.27	.06	.10	.24
IN.	.64	.86	1.07	.75	.66	1.02	.65	.49	.30	.07	.12	.27

CAL YR 1985 TOTAL 128204.0 MEAN 351 MAX 2560 MIN 122 CFSM .88 IN 11.98
WTR YR 1986 TOTAL 73819.9 MEAN 202 MAX 1340 MIN 8.2 CFSM .51 IN 6.90

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 determination of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen is by the U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM)	PH (STAND-ARD UNITS)	PH LAB (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	TEMPER-ATURE, AIR (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)
NOV										
13...	1530	135	75	68	6.80	7.00	16.0	28.0	7.1	72
DEC										
04...	0930	560	56	54	6.90	6.90	8.0	9.0	10.2	87
11...	1700	290	58	55	6.90	7.10	12.5	19.0	8.6	81
JAN										
14...	1600	245	--	58	6.90	7.30	4.5	21.0	9.4	--
FEB										
12...	1145	230	55	55	6.80	7.10	7.0	9.0	11.4	96
MAR										
12...	1800	205	58	59	7.20	7.00	22.0	23.0	10.6	123
APR										
15...	1730	200	66	62	7.20	7.10	20.0	24.5	9.2	103
MAY										
20...	1630	160	64	66	7.10	7.00	24.5	27.0	7.6	93
JUN										
18...	1400	84	70	69	7.30	7.10	26.5	33.5	6.4	81
JUL										
17...	1000	31	82	82	7.20	7.20	28.0	32.0	5.9	76
AUG										
19...	1315	40	76	75	7.30	7.50	24.5	30.5	6.2	76
SEP										
17...	0800	42	72	70	7.00	7.30	21.0	19.0	6.4	73

DATE	TUR-BID-ITY (NTU)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, FECAL, EC BROTH (MPN)	ALKA-LINITY LAB (MG/L AS CACO3)	SOLIDS, RESIDUE 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)
NOV									
13...	16	1.5	--	24	8	0.310	0.050	<0.020	3.6
DEC									
04...	34	1.2	1200	18	16	0.460	0.090	0.040	3.8
11...	20	1.1	130	21	1	0.470	0.140	0.030	4.0
JAN									
14...	10	--	80	23	6	0.490	0.080	<0.020	3.3
FEB									
12...	11	1.8	210	23	4	0.400	0.080	0.030	3.1
MAR									
12...	10	0.8	20	22	5	0.340	0.110	<0.020	2.7
APR									
15...	20	1.0	130	23	9	0.340	0.090	0.030	5.8
MAY									
20...	32	1.2	790	24	9	0.490	0.110	0.040	3.5
JUN									
18...	28	1.2	--	26	10	0.430	0.120	0.030	13
JUL									
17...	17	1.5	4100	31	12	0.290	0.100	0.030	3.4
AUG									
19...	17	1.4	560	31	10	0.260	0.100	<0.020	5.7
SEP									
17...	22	4.2	--	26	18	0.290	0.070	0.030	4.6

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 mi^2.
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 determination of Discharge, Specific Conductance, pH, Water Temperataure, Air Temperataure, and Dissolved Oxygen is 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 1985 TO SEPTEMBER 1986

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM)	PH (STAND-ARD UNITS)	PH LAB (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	TEMPER-ATURE, AIR (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)
NOV										
13...	1445	470	90	85	7.00	7.10	17.0	28.0	8.1	84
DEC										
03...	1715	1750	--	59	7.10	7.10	11.0	14.0	10.4	--
11...	1600	700	71	68	7.10	7.30	20.0	18.0	9.4	103
JAN										
14...	1445	560	--	71	7.00	7.20	5.0	20.5	10.4	--
FEB										
12...	1045	580	77	71	7.20	7.20	6.5	3.0	11.2	92
MAR										
12...	1700	440	--	77	7.30	7.10	22.0	21.0	10.2	--
APR										
15...	1630	400	--	76	7.30	7.10	20.0	24.5	9.6	--
MAY										
20...	1530	400	86	91	7.20	7.00	24.5	27.0	7.0	86
JUN										
18...	1300	--	110	108	7.20	7.10	27.5	32.0	6.5	83
JUL										
17...	0900	50	170	177	7.20	7.00	26.0	28.5	5.8	72
AUG										
19...	1230	--	114	110	7.20	7.30	25.5	28.0	6.1	76
SEP										
16...	1700	168	105	99	7.20	7.40	25.0	28.0	6.3	77

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 LAB (MG/L AS CACO3)	SOLIDS, RESIDUE 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)
NOV								
13...	17	--	1.5	--	23	13	1.03	0.350
DEC								
03...	56	--	1.2	330	16	43	0.730	0.150
11...	24	--	1.6	300	21	20	0.850	0.290
JAN								
14...	13	--	--	50	22	8	0.910	0.500
FEB								
12...	19	--	2.6	330	23	15	0.840	0.330
MAR								
12...	11	--	1.4	130	22	10	0.950	0.230
APR								
15...	17	--	1.6	80	21	14	0.960	0.240
MAY								
20...	25	--	1.8	1700	21	7	1.42	0.230
JUN								
18...	19	--	2.0	--	23	3	1.50	0.230
JUL								
17...	6.0	8	2.3	790	26	10	2.60	0.120
AUG								
19...	35	12	2.6	490	24	11	1.34	0.120
SEP								
16...	20	7	1.5	170	25	17	1.49	0.220

02218000 OCONEE RIVER NEAR WATKINSVILLE, GA.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	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)
NOV					
13...	--	--	--	0.180	4.8
DEC					
03...	--	--	--	0.110	5.1
11...	--	--	--	0.130	4.3
JAN					
14...	--	--	--	0.170	4.9
FEB					
12...	--	--	--	0.160	3.9
MAR					
12...	--	--	--	0.170	2.6
APR					
15...	--	--	--	0.180	5.0
MAY					
20...	--	--	--	0.270	5.1
JUN					
18...	--	--	--	0.290	3.6
JUL					
17...	0.58	0.70	3.3	0.560	7.1
AUG					
19...	0.18	0.30	1.6	0.430	6.9
SEP					
16...	0.38	0.60	2.1	0.360	5.5

02218300 OCONEE RIVER NEAR PENFIELD, GA.

LOCATION.--Lat 33°43'16", long 83°17'44", 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 mi^2.
PERIOD OF RECORD.--Water years 1970-77 (annual maximum), August 1977 to current year.
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 at same site and datum.
REMARKS.--No estimated daily discharges. Records good. Some regulation at low flow from manipulation of Barnett Shoals Dam.
AVERAGE DISCHARGE.--9 years, 1,208 ft^3/s, 17.45 in/yr.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 19,700 ft^3/s Mar. 16, 1976, gage height, 22.11 ft; minimum daily discharge, 33 ft^3/s Aug. 26, 1986.
EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Apr. 6, 1936, reached a stage of 26.7 ft, discharge, 41,500 ft^3/s, from rating curve extended above 21,000 ft^3/s on basis of computation of flow over Barnett Shoals Dam located 10 mi upstream.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 4,600 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)
Dec. 1	0800	*5,150	*12.70

Minimum daily discharge, 33 ft^3/s Aug. 26.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	301	595	4390	735	600	544	685	400	462	141	94	196
2	623	966	2450	768	594	529	664	397	397	137	105	203
3	829	1050	1750	701	595	518	647	375	351	134	71	278
4	651	858	1280	642	586	519	633	374	323	140	70	1850
5	504	713	1080	622	590	514	611	350	307	124	63	751
6	452	622	963	602	623	521	612	336	304	100	52	453
7	388	556	886	591	633	482	617	343	295	92	44	353
8	353	518	840	580	555	501	599	426	283	99	48	286
9	344	495	802	568	578	476	684	368	376	101	45	234
10	348	479	774	565	603	483	738	372	719	101	43	226
11	343	470	753	573	737	512	664	357	600	74	47	167
12	328	470	755	581	709	509	586	329	489	67	335	195
13	318	477	943	572	669	614	579	327	372	59	344	213
14	311	477	1240	567	602	1210	589	349	294	54	227	241
15	308	467	1130	554	658	1490	586	379	281	57	214	285
16	334	463	918	554	738	1140	537	374	260	72	169	231
17	317	459	842	549	722	930	519	360	228	42	150	177
18	306	454	801	555	718	823	499	334	223	45	137	186
19	320	453	765	616	737	864	481	398	215	52	134	345
20	292	457	726	760	726	1660	490	397	205	47	125	271
21	321	504	707	704	688	1980	618	419	193	54	110	259
22	481	1060	693	624	667	1590	595	414	161	77	106	230
23	792	1170	687	586	651	1220	596	348	170	54	77	205
24	706	903	693	573	627	1040	513	312	167	47	97	175
25	539	718	677	556	597	935	492	282	141	134	112	183
26	466	641	651	629	567	872	463	313	133	250	33	146
27	433	619	622	682	569	824	459	355	147	145	78	156
28	440	617	623	651	552	797	446	348	150	141	127	147
29	432	664	635	585	---	750	438	662	135	81	118	98
30	424	2070	601	589	---	722	420	993	149	92	100	108
31	406	---	595	611	---	698	---	664	---	81	128	---
TOTAL	13410	20465	31272	19045	17891	26267	17060	12455	8530	2894	3603	8848
MEAN	433	682	1009	614	639	847	569	402	284	93.4	116	295
MAX	829	2070	4390	768	738	1980	738	993	719	250	344	1850
MIN	292	453	595	549	552	476	420	282	133	42	33	98
CFSM	.46	.73	1.07	.65	.68	.90	.61	.43	.30	.10	.12	.31
IN.	.53	.81	1.24	.75	.71	1.04	.68	.49	.34	.11	.14	.35

CAL YR 1985 TOTAL 311017 MEAN 852 MAX 6800 MIN 263 CFSM .91 IN 12.31
WTR YR 1986 TOTAL 181740 MEAN 498 MAX 4390 MIN 33 CFSM .53 IN 7.19

02218500 OCONEE RIVER NEAR GREENSBORO, GA.

LOCATION.--Lat 33°34'52", long 83°16'22", Greene County, Hydrologic Unit 03070101, at bridge on U.S. Highway 278, 1 mi downstream from Town Creek, 5 mi upstream from Apalachee River, 5 mi west of Greensboro, and 12 mi downstream from Barnett Shoals Dam.
DRAINAGE AREA.--1,090 mi^2, approximately.
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 determination of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen is by the U.S. Geological Survey. Water-discharge records for water years 1903-32, 1936-78 are published in records of the U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM)	SPECIFIC CONDUCTANCE LAB (US/CM)	PH (STANDARD UNITS)	PH LAB (STANDARD UNITS)	TEMPERATURE (DEG C)	TEMPERATURE, AIR (DEG C)	OXYGEN, DISSOLVED (MG/L)	OXYGEN, DISSOLVED (PERCENT SATURATION)
DEC									
11...	1500	65	62	7.20	7.00	18.5	20.5	7.0	75
MAR									
12...	1530	75	74	7.90	8.50	22.5	26.5	9.2	106
JUN									
18...	1200	85	86	7.90	7.50	29.5	31.0	6.6	88
SEP									
16...	1530	76	75	8.30	7.80	25.5	28.0	9.2	112

DATE	TURBIDITY (NTU)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	COLIFORM, FECAL, EC BROTH (MPN)	ALKALINITY LAB (MG/L AS CACO3)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
DEC								
11...	36	1.4	330	18	0.760	0.160	0.060	5.6
MAR								
12...	11	2.2	<20	22	0.690	0.120	0.040	3.2
JUN								
18...	15	4.7	--	26	0.090	0.180	0.080	8.3
SEP								
16...	26	5.2	20	18	0.390	0.090	0.050	14

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 mi^2.
PERIOD OF RECORD.--July 1944 to December 1949, April 1977 to current year.
GAGE.--Water-stage recorder. Elevation of gage is 535 ft above National Geodetic Vertical Datum of 1929 (from topographic map).
REMARKS.--No estimated daily discharges. Records good. Some regulation at low flow from manipulation of High Shoals Dam.
AVERAGE DISCHARGE.--14 years (water years 1945-49, 1978-86), 244 ft^3/s, 18.83 in/yr.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 8,500 ft^3/s Jan. 6, 1946, gage height, 8.9 ft; minimum daily discharge, 7.5 ft^3/s Aug. 10, 1986.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 2,200 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)
Nov. 30	1400	*2,570	*4.76

Minimum daily discharge, 7.5 ft^3/s Aug. 10.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	71	175	896	171	138	109	131	71	65	24	12	28
2	181	238	495	161	137	107	126	67	61	23	11	43
3	187	213	291	142	136	106	124	64	56	24	11	59
4	140	173	225	134	130	105	122	61	51	24	9.9	94
5	116	146	195	130	121	103	116	59	48	21	8.9	121
6	104	131	178	126	128	102	114	59	47	18	8.0	111
7	84	120	164	125	133	102	112	58	44	17	7.7	85
8	78	111	154	121	123	97	116	65	44	16	7.8	55
9	74	105	151	112	116	97	125	65	53	15	7.7	43
10	72	102	147	113	126	100	125	57	53	12	7.5	40
11	71	100	140	119	166	103	114	54	85	13	7.8	37
12	69	100	142	113	156	104	110	53	74	13	32	37
13	68	98	194	112	134	139	108	54	50	12	52	37
14	68	98	219	113	127	247	105	66	51	10	39	38
15	68	98	181	112	151	218	102	61	45	10	34	36
16	68	97	160	111	158	170	97	58	43	10	32	34
17	71	97	147	111	144	152	94	56	35	10	28	36
18	63	96	144	114	144	138	93	55	35	12	26	37
19	70	103	140	139	147	178	92	59	31	11	26	51
20	72	96	125	145	140	390	93	66	28	9.6	24	54
21	71	104	137	126	132	371	127	71	27	9.2	23	47
22	83	197	135	116	127	274	127	57	26	8.9	32	39
23	105	215	135	113	124	218	109	53	25	8.9	26	35
24	120	170	136	112	118	195	97	52	24	10	28	34
25	97	178	132	109	117	179	92	53	23	15	19	33
26	87	199	125	129	114	167	90	52	21	15	11	32
27	82	235	123	143	114	159	86	54	20	19	17	31
28	90	244	130	111	112	152	84	63	22	19	23	29
29	91	210	133	119	---	145	80	132	23	18	21	29
30	85	1340	128	128	---	140	77	110	23	17	19	28
31	89	---	131	142	---	136	---	72	---	15	22	---
TOTAL	2795	5589	5933	3872	3713	5003	3188	1977	1233	459.6	633.3	1413
MEAN	90.2	186	191	125	133	161	106	63.8	41.1	14.8	20.4	47.1
MAX	187	1340	896	171	166	390	131	132	85	24	52	121
MIN	63	96	123	109	112	97	77	52	20	8.9	7.5	28
CFSM	.51	1.06	1.09	.71	.76	.92	.60	.36	.23	.08	.12	.27
IN.	.59	1.18	1.25	.82	.78	1.06	.67	.42	.26	.10	.13	.30

CAL YR 1985 TOTAL 59492.0 MEAN 163 MAX 1390 MIN 48 CFSM .93 IN 12.57
WTR YR 1986 TOTAL 35808.9 MEAN 98.1 MAX 1340 MIN 7.5 CFSM .56 IN 7.57

02220550 WHITTEN CREEK NEAR SPARTA, GA.

LOCATION.--Lat 33°23'13", long 83°01'29", Hancock County, Hydrologic Unit 03070101, in right bank 100 ft upstream from bridge on State Highway 15, 5 mi upstream from mouth, and 8.5 mi northwest of Sparta.
DRAINAGE AREA.--15 mi^2, approximately.
PERIOD OF RECORD.--June 1960 to April 1986 (discontinued).
GAGE.--Water-stage recorder. Elevation of gage is 395 ft above National Geodetic Vertical Datum of 1929 (from topographic map). Prior to Aug. 17, 1963, water-stage recorder at site 100 ft downstream at same datum.
REMARKS.--No estimated daily discharges. Records fair, except those below 1.0 ft^3/s, which are poor.
AVERAGE DISCHARGE.--25 years (1961-85), 15.1 ft^3/s, 13.67 in/yr.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,770 ft^3/s Feb. 24, 1961, gage height, 16.0 ft, at former site; minimum daily discharge, no flow Oct. 1-9, 1981, Sept. 8 to Oct. 4, 1985.
EXTREMES FOR CURRENT PERIOD: OCT. 1985 TO APR. 1986.--Maximum discharge, 134 ft^3/s Mar. 19, gage height, 5.47 ft, no peaks above base of 600 ft^3/s; minimum discharge, no flow Oct. 1-4.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	2.8	21	2.7	2.5	2.9	4.1					
2	.00	1.9	12	2.4	2.4	2.8	4.0					
3	.00	1.1	5.7	2.3	2.5	2.9	3.7					
4	.00	.95	3.9	2.2	2.4	2.8	3.5					
5	.03	.82	3.2	2.3	3.0	2.7	3.3					
6	.41	.81	2.9	2.1	3.6	2.6	3.3					
7	.26	.76	2.5	2.1	3.8	2.6	3.2					
8	.19	.77	2.5	2.0	3.1	2.5	3.3					
9	.17	.76	2.4	2.0	2.8	2.5	4.1					
10	.24	.79	2.3	2.3	4.5	2.5	3.2					
11	.25	.84	2.2	2.4	22	2.6	3.1					
12	.22	.88	2.4	2.2	8.9	2.5	3.0					
13	.16	1.0	5.6	2.2	5.7	3.0	2.9					
14	.17	1.1	4.4	2.1	4.9	3.9	2.8					
15	.24	1.1	3.1	2.1	4.8	3.2	2.8					
16	.25	1.1	2.7	1.9	4.2	2.8	2.7					
17	.25	1.2	2.6	2.0	4.0	2.7	---					
18	.19	1.2	2.5	2.3	5.4	2.5	---					
19	.12	1.2	2.5	4.6	6.0	43	---					
20	.26	1.5	2.4	3.6	4.9	95	---					
21	.30	4.4	2.3	2.8	4.2	33	---					
22	.30	38	2.2	2.6	3.9	17	---					
23	.41	7.5	2.2	2.5	3.7	12	---					
24	.48	3.2	2.3	2.4	3.4	8.9	---					
25	.52	2.2	2.1	2.5	3.3	7.1	---					
26	.50	1.8	2.0	3.2	3.2	6.3	---					
27	.66	1.7	2.2	3.1	3.3	5.7	---					
28	1.3	1.5	2.2	3.2	3.1	5.2	---					
29	.94	2.3	2.2	2.7	---	4.8	---					
30	.79	53	2.0	2.7	---	4.6	---					
31	1.0	---	2.1	2.5	---	4.3	---					
TOTAL	10.61	138.18	112.6	78.0	129.5	296.9	---					
MEAN	.34	4.61	3.63	2.52	4.63	9.58	---					
MAX	1.3	53	21	4.6	22	95	---					
MIN	.00	.76	2.0	1.9	2.4	2.5	---					
CFSM	.02	.31	.24	.17	.31	.64	---					
IN.	.03	.34	.28	.19	.32	.74	---					

CAL YR 1985 TOTAL 1904.90 MEAN 5.22 MAX 327 MIN .00 CFSM .35 IN 4.72

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 Glady Creek, and 3.0 mi west of Eatonton.
DRAINAGE AREA.--262 mi^2.
PERIOD OF RECORD.--Water years 1971-77 (annual maximum), August 1977 to current year.
GAGE.--Water-stage recorder. Elevation of gage is 370 ft above National Geodetic Vertical Datum of 1929 (from topographic map). Feb. 19, 1970 to Aug. 1, 1977, crest-stage gage at same site and datum.
REMARKS.--Estimated daily discharges: Oct. 1-3, 9-15, June 21-27, July 1, 5-17, Aug. 3-8, 20-31, and Sept. 23-30. Records good, except those for periods Oct. 1-3, 9-15, and June 18 to Sept. 30, which are fair.
AVERAGE DISCHARGE.--9 years, 223 ft^3/s, 11.56 in/yr.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 12,600 ft^3/s Mar. 3, 1971, gage height, 24.4 ft; minimum measured discharge, 2.2 ft^3/s Aug. 8, 1986, but may have been less during the period of no gage height record, Aug. 2-8, 1986.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 2,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)
Mar. 20	0300	*1,350	*6.09

Minimum measured discharge, 2.2 ft^3/s Aug. 8, but may have been less during the period of no gage height record, Aug. 2-8.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	19	91	545	119	100	109	125	59	53	21	5.0	30
2	21	135	423	136	97	102	120	57	43	24	4.0	39
3	35	114	238	115	97	100	115	52	36	35	3.6	44
4	72	101	166	102	96	99	111	47	33	23	3.3	64
5	60	94	137	97	103	98	107	46	33	17	3.0	75
6	46	75	122	92	129	95	105	46	34	14	2.5	98
7	36	65	111	89	160	94	103	45	31	12	2.2	115
8	30	58	103	86	136	92	103	48	27	11	6.0	92
9	28	54	99	82	117	88	118	74	24	10	11	74
10	27	51	95	84	120	90	114	55	67	8.2	6.5	40
11	26	51	94	90	241	92	103	47	95	6.8	5.5	33
12	25	51	95	89	246	94	103	45	62	5.8	28	30
13	25	51	188	86	182	131	102	45	45	5.2	25	30
14	25	52	223	83	151	499	95	44	35	4.5	24	28
15	24	52	151	81	160	370	90	46	33	8.0	23	26
16	25	51	123	79	170	242	87	44	28	12	21	25
17	25	50	113	80	147	190	82	42	25	15	20	24
18	26	51	106	83	202	161	81	39	23	17	22	23
19	27	51	100	102	248	398	80	56	20	11	16	23
20	28	53	97	109	200	1150	80	87	17	7.0	14	22
21	29	85	93	98	168	622	102	65	16	5.5	13	21
22	28	388	91	92	151	373	106	51	15	4.0	12	20
23	28	321	90	91	139	279	95	43	13	3.0	11	19
24	30	187	91	88	129	227	84	38	11	5.0	11	17
25	34	123	89	85	121	197	80	36	11	19	10	16
26	34	103	83	112	115	178	78	36	15	43	9.0	15
27	36	93	80	164	116	163	73	42	32	45	8.5	14
28	45	86	84	126	113	151	68	53	19	27	11	13
29	52	88	90	109	---	139	64	70	44	17	18	12
30	50	283	88	111	---	133	61	79	29	9.7	15	12
31	53	---	86	107	---	129	---	68	---	7.5	20	---
TOTAL	1049	3108	4294	3067	4154	6885	2835	1605	969	453.2	384.1	1094
MEAN	33.8	104	139	98.9	148	222	94.5	51.8	32.3	14.6	12.4	36.5
MAX	72	388	545	164	248	1150	125	87	95	45	28	115
MIN	19	50	80	79	96	88	61	36	11	3.0	2.2	12
CFSM	.13	.40	.53	.38	.57	.85	.36	.20	.12	.06	.05	.14
IN.	.15	.44	.61	.44	.59	.98	.40	.23	.14	.06	.05	.16

CAL YR 1985 TOTAL 56734.0 MEAN 155 MAX 4400 MIN 15 CFSM .59 IN 8.06
WTR YR 1986 TOTAL 29897.3 MEAN 81.9 MAX 1150 MIN 2.2 CFSM .31 IN 4.24

02221525 MURDER CREEK BELOW EATONTON, GA.

LOCATION.--Lat 33°15'08", long 83°28'53", Putnam County, Hydrologic Unit 03070101, in left bank 250 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 mi^2.
PERIOD OF RECORD.--April 1977 to current year.
GAGE.--Water-stage recorder. Elevation of gage is 375 ft above National Geodetic Vertical Datum of 1929 (from topographic map).
REMARKS.--Estimated daily discharges: June 14-16. Records good except for the period of no gage height June 14-16, which are fair. Some diurnal fluctuation at low flow.
AVERAGE DISCHARGE.--9 years, 159 ft^3/s, 11.36 in/yr.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 6,700 ft^3/s Apr. 9, 1983, gage height, 9.67 ft; minimum daily discharge, 2.1 ft^3/s Aug. 6, 1986.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,800 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)
Mar. 20	1215	*1,280	*4.03

Minimum daily discharge, 2.1 ft^3/s Aug. 6.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	17	93	488	86	74	84	91	51	43	19	3.8	30
2	31	93	241	91	72	82	87	49	40	16	3.4	39
3	39	70	150	78	72	81	84	47	37	19	2.8	28
4	48	75	114	73	72	80	82	45	35	16	2.7	47
5	57	68	98	71	79	78	80	44	36	12	2.5	72
6	41	58	89	68	120	77	77	44	35	9.7	2.1	138
7	32	53	82	66	149	77	76	46	34	8.7	2.4	144
8	28	50	79	65	113	74	76	45	32	8.0	2.9	67
9	26	47	74	63	100	73	77	45	30	6.8	6.2	49
10	26	46	71	66	100	72	79	44	28	5.7	5.0	37
11	26	46	71	71	201	72	73	42	29	4.7	5.6	32
12	25	46	72	69	172	72	71	43	26	4.1	12	29
13	25	46	125	66	138	114	69	43	24	3.5	18	28
14	25	46	162	64	112	501	69	45	22	3.1	18	25
15	24	46	111	63	111	325	67	45	21	5.6	16	22
16	26	46	96	63	112	192	66	43	20	55	16	23
17	26	46	89	63	101	152	63	42	37	23	22	24
18	28	47	82	66	143	128	66	42	23	15	24	23
19	29	47	78	84	199	267	65	57	18	11	17	29
20	30	48	74	84	152	1180	63	77	16	9.0	13	27
21	29	87	72	74	134	819	75	55	15	6.8	14	23
22	29	593	71	69	118	328	83	46	13	5.7	13	21
23	29	311	69	68	109	215	68	42	12	4.8	12	20
24	31	135	70	68	101	171	64	40	10	5.0	10	18
25	33	100	69	66	95	143	62	39	9.5	8.8	8.2	17
26	33	87	65	84	92	126	61	39	9.0	16	7.0	16
27	36	78	63	120	91	119	59	42	15	11	7.4	15
28	49	76	66	84	88	111	56	59	13	8.7	13	14
29	61	74	69	84	---	103	54	70	21	6.5	18	13
30	47	265	67	84	---	98	52	71	26	5.3	15	13
31	46	---	66	77	---	94	---	51	---	4.4	15	---
TOTAL	1032	2923	3193	2298	3220	6108	2115	1493	729.5	337.9	328.0	1083
MEAN	33.3	97.4	103	74.1	115	197	70.5	48.2	24.3	10.9	10.6	36.1
MAX	61	593	488	120	201	1180	91	77	43	55	24	144
MIN	17	46	63	63	72	72	52	39	9.0	3.1	2.1	13
CFSM	.18	.51	.54	.39	.61	1.04	.37	.25	.13	.06	.06	.19
IN.	.20	.57	.63	.45	.63	1.20	.41	.29	.14	.07	.06	.21

CAL YR 1985 TOTAL 43215.0 MEAN 118 MAX 3310 MIN 15 CFSM .62 IN 8.46
WTR YR 1986 TOTAL 24860.4 MEAN 68.1 MAX 1180 MIN 2.1 CFSM .36 IN 4.87

02223000 OCONEE RIVER AT MILLEDGEVILLE, GA.

LOCATION.--Lat 33°05'22", long 83°12'56", Baldwin County, Hydrologic Unit 03070101, at right bank on city of Milledgeville water-works intake structure at Milledgeville, 0.5 mi upstream from bridge on State Highway 24, 3.8 mi downstream from Sinclair Dam of Georgia Power Co., and at mile 139.1.
DRAINAGE AREA.--2,950 mi^2, 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.--No estimated daily discharges. Records good. Flow regulated by Lake Oconee since January 1979 and Sinclair Reservoir since November 1952. (See "Lakes and Reservoirs in Altamaha River Basin," stations 02220450 and 02225000.)
AVERAGE DISCHARGE.--83 years, 3,313 ft^3/s, 15.25 in/yr, adjusted.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 122,000 ft^3/s Feb. 25, 1961, gage height, 42.9 ft, from rating curve extended above 77,000 ft^3/s; minimum daily, 90 ft^3/s for several days in August and September 1925 and on Aug. 3, 1955.
EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known, 46.7 ft in 1886 at site 0.5 mi downstream at present datum, from information by Georgia Department of Transportation.
EXTREMES FOR CURRENT YEAR.--Maximum discharge, 11,400 ft^3/s Mar. 21, gage height, 15.60 ft; minimum daily discharge, 320 ft^3/s Nov. 9.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	342	3220	6960	1780	817	981	818	1020	942	415	622	432
2	353	1780	7010	2150	815	831	1030	815	810	413	616	427
3	337	1040	7070	1340	802	768	1250	783	584	412	617	424
4	339	1230	6450	1110	760	868	1050	808	505	411	634	2670
5	343	1460	1410	1750	1770	1200	1060	591	473	411	632	554
6	334	635	684	1630	1790	1170	809	656	619	412	629	454
7	335	438	1150	998	1850	788	1590	427	545	411	615	442
8	365	325	1060	1180	2220	1210	1050	417	688	408	726	433
9	453	320	1470	1200	951	906	1010	609	667	407	756	425
10	331	548	2030	1090	1860	809	1040	656	537	408	810	422
11	347	332	2070	941	4060	803	1250	438	653	408	662	422
12	334	859	2090	847	3850	602	1740	459	645	408	734	420
13	332	940	3780	1380	3840	872	618	549	637	407	705	418
14	334	778	3670	1230	2230	3810	1180	446	526	408	666	417
15	336	857	874	582	2440	3780	1090	550	531	407	663	415
16	340	549	2150	871	1570	3340	1360	461	422	406	664	416
17	766	561	1070	987	1810	2230	804	548	550	535	522	416
18	488	542	1240	792	2000	1890	796	549	519	476	422	415
19	336	776	1440	1480	2150	3440	700	569	536	479	416	415
20	336	873	1330	1460	2240	7370	677	559	533	595	419	417
21	527	2950	338	1430	2170	8220	1210	578	537	588	421	418
22	645	5630	1050	1390	1670	7500	1450	534	529	630	417	416
23	546	4270	806	1600	1840	7440	627	505	416	589	415	417
24	402	1810	323	1080	2040	6800	553	651	418	605	415	418
25	323	2210	346	1080	2010	2360	820	513	421	599	414	1160
26	325	2200	1170	578	1820	1630	582	513	419	596	414	524
27	327	2650	1010	2580	2350	838	661	521	418	601	577	417
28	328	392	711	2600	1760	1250	529	519	417	614	445	419
29	1000	1570	1280	846	---	912	1070	1510	422	590	417	421
30	761	4650	1850	1440	---	768	659	1530	416	611	479	428
31	1570	---	1780	1350	---	771	---	1480	---	583	443	---
TOTAL	14235	46395	65672	40772	55485	76157	29083	20764	16335	15243	17387	15892
MEAN	459	1547	2118	1315	1982	2457	969	670	545	492	561	530
MAX	1570	5630	7070	2600	4060	8220	1740	1530	942	630	810	2670
MIN	323	320	323	578	760	602	529	417	416	406	414	415
MEAN†	695	1769	1933	1256	1901	2510	1015	680	266	-113	443	603
CFSM†	.24	.60	.66	.43	.64	.85	.34	.23	.09	0	.15	.20
IN†	.28	.67	.76	.50	.67	.98	.38	.26	.10	0	.17	.22

CAL YR 1985 TOTAL 663904 MEAN 1819 MAX 43800 MIN 319 MEAN† 1819 CFSM† .62 IN† 8.37
WTR YR 1986 TOTAL 413420 MEAN 1133 MAX 8220 MIN 320 MEAN† 1075 CFSM† .36 IN† 4.95

†ADJUSTED FOR CHANGE IN CONTENTS IN LAKE OCONEE AND SINCLAIR RESERVOIR.

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 determination of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen is by the U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM)	PH (STAND-ARD UNITS)	PH LAB (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	TEMPER-ATURE, AIR (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)
NOV										
13...	1300	326	80	76	6.90	7.10	20.0	24.5	7.8	85
DEC										
03...	1500	7070	72	69	7.30	7.30	18.5	17.0	8.2	88
11...	1330	2880	--	68	7.30	7.30	18.5	22.0	8.0	--
JAN										
14...	1300	736	--	70	7.20	7.20	10.0	11.0	6.3	--
FEB										
11...	1430	6290	70	69	7.20	7.40	11.5	9.5	10.4	97
MAR										
12...	1415	360	--	71	7.20	7.50	22.0	26.0	9.2	--
APR										
15...	1415	487	--	71	7.10	7.00	19.5	23.0	8.4	--
MAY										
20...	1330	441	72	76	7.20	7.00	25.0	29.0	8.8	107
JUN										
18...	1015	414	76	73	7.00	6.90	26.5	31.0	6.9	86
JUL										
16...	1300	406	78	80	7.10	6.90	29.0	34.0	7.0	91
AUG										
19...	1030	410	80	82	7.10	7.30	28.5	27.0	6.6	86
SEP										
16...	1345	414	80	79	7.30	7.50	27.0	30.5	7.2	90

DATE	TUR-BID-ITY (NTU)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, CON-FIRMED (MPN)	COLI-FORM, FECAL, EC BROTH (MPN)	ALKA-LINITY 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)
NOV											
13...	6.0	0.8	--	--	23	0.040	0.050	0.040	9.4	180	32
DEC											
03...	13	0.8	80	40	23	0.060	0.060	<0.020	3.5	600	35
11...	10	0.9	110	50	23	0.080	0.070	<0.020	4.8	550	25
JAN											
14...	15	--	50	<20	22	0.160	0.070	0.030	4.4	410	22
FEB											
11...	19	1.5	490	330	23	0.190	<0.020	0.040	4.6	1000	50
MAR											
12...	6.0	1.1	490	<20	22	0.130	0.100	<0.020	3.7	300	20
APR											
15...	12	1.3	460	310	21	0.150	0.090	0.020	4.2	590	35
MAY											
20...	14	1.1	1300	230	21	0.120	0.090	<0.020	4.1	2100	110
JUN											
18...	8.0	0.8	--	--	22	0.080	0.110	<0.020	3.7	220	100
JUL											
16...	12	0.8	--	30	25	0.050	0.090	<0.020	4.1	590	180
AUG											
19...	5.0	1.9	--	20	26	0.040	0.170	0.040	6.9	460	85
SEP											
16...	5.0	1.3	--	40	24	0.060	0.060	<0.020	4.9	280	55

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 determination of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen is 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 1985 TO SEPTEMBER 1986

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM)	PH (STAND-ARD UNITS)	PH LAB (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	TEMPER-ATURE, AIR (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)
NOV										
13...	1230	345	--	78	6.90	7.10	19.5	24.0	7.7	--
DEC										
03...	1430	7070	72	71	7.30	7.30	18.5	17.0	8.0	86
11...	1300	337	--	73	7.10	7.30	18.5	21.5	7.8	--
JAN										
14...	1215	333	--	72	7.00	7.20	10.0	11.0	9.3	--
FEB										
11...	1330	5150	69	67	6.80	7.20	12.0	8.0	10.4	98
MAR										
12...	1345	364	--	79	6.90	7.20	22.0	26.5	9.8	--
APR										
15...	1315	326	--	79	7.10	6.90	19.5	28.0	8.6	--
MAY										
20...	1245	450	84	84	7.10	6.90	25.0	28.5	8.4	103
JUN										
18...	0930	432	82	79	7.00	6.90	27.5	31.0	7.0	89
JUL										
16...	1200	410	85	84	7.20	7.00	29.0	35.0	6.8	88
AUG										
19...	0945	419	87	85	7.00	7.30	28.5	27.0	6.0	78
SEP										
16...	1300	419	88	86	7.20	7.40	27.0	31.0	7.1	89

DATE	TUR-BID-ITY (NTU)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, FECAL, EC BROTH (MPN)	ALKA-LINITY 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...	5.0	2.2	--	21	0.070	0.120	0.070	6.1
DEC								
03...	15	1.3	20	23	0.070	0.100	<0.020	3.5
11...	10	1.5	110	24	0.110	0.120	0.050	4.3
JAN								
14...	21	--	20	23	0.170	0.080	0.060	5.5
FEB								
11...	54	2.0	4900	21	0.200	0.080	0.050	6.9
MAR								
12...	7.0	1.9	3300	24	0.160	0.180	0.060	3.3
APR								
15...	13	1.8	70	23	0.180	0.270	0.130	5.0
MAY								
20...	10	1.3	2300	24	0.180	0.180	0.080	10
JUN								
18...	8.0	1.1	--	23	0.110	0.150	0.070	3.7
JUL								
16...	5.0	0.7	1700	25	0.070	0.150	0.080	3.8
AUG								
19...	6.0	2.6	4900	27	0.060	0.140	0.090	6.5
SEP								
16...	5.0	1.2	490	26	0.070	0.180	0.090	5.4

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 Toomsboro, and at mile 96.2.
DRAINAGE AREA.--3,770 mi^2.
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 determination of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen is 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 1985 TO SEPTEMBER 1986

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM)	PH (STAND-ARD UNITS)	PH LAB (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	TEMPER-ATURE, AIR (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)
NOV										
13...	1130	1300	145	134	6.60	7.10	19.5	24.0	8.2	--
DEC										
03...	1330	8600	75	71	7.10	7.20	16.5	12.0	8.3	85
11...	1130	2450	--	77	7.00	7.20	18.0	21.0	8.0	--
JAN										
14...	1115	800	--	91	6.60	7.10	7.5	10.5	9.5	--
FEB										
11...	1200	3300	82	80	6.90	7.00	--	10.0	9.6	--
MAR										
12...	1230	1100	--	116	6.90	7.10	21.0	25.0	9.4	--
APR										
15...	1215	--	130	118	7.10	7.00	21.0	27.5	8.0	--
MAY										
20...	1130	760	138	142	7.00	7.10	23.0	28.0	8.8	103
JUN										
10...	1015	680	120	121	7.20	7.10	26.5	26.5	7.0	87
JUL										
16...	1030	490	138	139	7.30	7.20	30.0	33.0	7.0	92
SEP										
16...	1215	570	140	137	7.10	7.40	27.0	31.0	7.4	93

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 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...	10	6.0	1.2	--	22	0.340	0.040	0.060	4.6
DEC									
03...	55	48	0.9	270	21	0.080	0.060	0.050	4.7
11...	45	30	1.6	490	21	0.170	0.060	0.060	4.7
JAN									
14...	35	18	--	20	20	0.190	0.050	0.110	6.2
FEB									
11...	70	39	2.0	330	19	0.230	0.080	0.060	6.6
MAR									
12...	15	10	1.3	160	21	0.390	0.110	0.040	5.9
APR									
15...	30	15	1.1	80	24	0.340	0.090	0.050	4.8
MAY									
20...	10	10	0.7	70	23	0.410	0.060	0.040	4.3
JUN									
10...	20	17	1.4	2300	20	0.420	0.100	<0.020	10
JUL									
16...	10	5.0	1.1	<20	24	0.180	0.080	0.050	17
SEP									
16...	30	7.0	1.0	110	23	0.270	0.070	0.070	7.0

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 mi^2, 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.--No estimated daily discharges. 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.--89 years (water years 1898-1986), 4,962 ft^3/s, 15.31 in/yr, unadjusted.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 97,700 ft^3/s Apr. 12, 13, 1936, gage height, 32.97 ft; minimum, 333 ft^3/s Sept. 12, 1951, gage height, 0.48 ft.
EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known since at least 1893, that of Apr. 12, 13, 1936.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 19,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)
Mar. 24	1400	*11,400	*13.54

Minimum daily discharge, 468 ft^3/s July 14 and 15.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	512	1400	5200	2640	2010	3110	1740	1220	1600	525	686	1260
2	795	2550	8560	2700	1760	2300	1680	1040	1540	526	691	1150
3	986	2900	9310	2660	1490	1940	1650	1230	1210	524	704	1020
4	1020	2210	9420	2480	1440	1690	1770	1080	1060	524	694	938
5	900	1670	9370	2150	1730	1610	1900	1010	856	516	682	1920
6	803	1730	6640	2240	2450	1750	1790	980	752	506	684	3160
7	745	1830	3290	2560	3970	1780	1760	874	697	497	695	1830
8	676	1160	2030	2020	3930	1730	1650	896	762	492	679	1560
9	620	907	2140	2010	3600	1480	1850	747	743	487	699	1430
10	581	755	2060	1950	3930	1730	1630	674	892	478	753	1190
11	616	683	2510	2660	4300	1490	1590	757	928	470	800	1030
12	579	776	2880	2440	6680	1450	1650	821	826	469	867	962
13	552	730	4680	2140	7190	1470	1860	700	861	472	849	909
14	534	978	7330	2110	6810	1830	1970	671	841	468	1180	852
15	520	1160	7490	2290	5920	3240	1310	722	811	468	1180	792
16	516	1070	5710	1900	4550	4730	1580	684	712	474	1040	740
17	525	1110	4000	1600	3680	4620	1570	703	675	483	959	761
18	615	901	3710	1630	3070	4060	1600	667	595	487	902	932
19	866	845	2770	1670	3450	3130	1300	686	631	564	762	909
20	793	829	2510	1810	3460	4460	1250	721	650	548	670	847
21	662	1070	2510	2510	3420	8230	1170	737	637	532	1050	771
22	600	3880	2170	2320	3520	9770	1150	717	629	649	1310	735
23	639	8390	1660	2250	3250	10900	1600	724	615	699	958	701
24	780	8500	1970	2220	2910	11400	1650	698	618	691	786	682
25	740	6260	1620	2260	3010	10400	1120	657	550	703	704	655
26	665	4810	1250	1800	2910	7590	1010	724	532	713	702	641
27	582	4230	1460	1660	2830	4330	1150	690	539	730	718	1070
28	668	3800	1770	1900	2980	2920	988	826	522	693	812	814
29	642	3490	1630	3030	---	2250	975	812	519	704	1110	655
30	615	2780	1610	2630	---	2140	867	877	520	732	1080	655
31	1030	---	2210	1730	---	1880	---	1490	---	687	1150	---
TOTAL	21377	73404	121470	67970	100250	121410	44780	25835	23323	17511	26556	31571
MEAN	690	2447	3918	2193	3580	3916	1493	833	777	565	857	1052
MAX	1030	8500	9420	3030	7190	11400	1970	1490	1600	732	1310	3160
MIN	512	683	1250	1600	1440	1450	867	657	519	468	670	641

CAL YR 1985 TOTAL 947273 MEAN 2595 MAX 30500 MIN 487 MEAN† 2595 CFSM† .59 IN† 8.01
WTR YR 1986 TOTAL 675457 MEAN 1851 MAX 11400 MIN 468 MEAN† 1793 CFSM† .41 IN† 5.53

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

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 mi^2, 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 determination of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen is 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 1985 TO SEPTEMBER 1986

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM)	PH (STAND-ARD UNITS)	PH LAB (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	TEMPER-ATURE, AIR (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)
NOV										
13...	1030	727	148	141	6.80	7.10	18.0	23.0	7.5	78
DEC										
03...	1230	9330	75	71	7.00	7.10	16.0	12.0	8.3	84
11...	1030	2410	93	89	6.80	7.10	18.0	20.0	7.8	81
JAN										
14...	1000	2060	100	95	6.80	7.00	7.0	10.0	10.0	81
FEB										
11...	1045	3940	78	76	6.70	6.90	13.5	11.5	9.6	93
MAR										
12...	1130	1550	--	116	6.80	7.10	22.0	27.0	9.8	--
APR										
15...	1100	1260	120	110	7.00	6.90	24.5	24.5	9.2	--
MAY										
20...	1030	706	160	161	6.90	7.00	25.5	27.0	8.6	105
JUN										
10...	1115	944	132	132	7.00	6.90	28.0	32.5	6.0	77
JUL										
16...	0925	472	156	159	7.10	7.10	31.0	32.5	5.2	70
AUG										
12...	1555	886	127	126	7.40	7.40	26.0	29.0	4.8	59
SEP										
16...	1130	--	160	160	7.00	7.40	27.0	31.0	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-LINITY LAB (MG/L AS CACO3)	SOLIDS, RESIDUE 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)
NOV									
13...	20	8.0	14	0.6	--	26	5	0.320	0.160
DEC									
03...	65	48	10	1.0	490	20	71	0.100	0.070
11...	50	19	9	1.4	80	23	23	0.250	0.090
JAN									
14...	50	15	13	--	330	26	4	0.220	0.130
FEB									
11...	90	24	21	1.5	1300	18	21	0.210	0.080
MAR									
12...	20	12	12	1.2	50	24	16	0.300	0.150
APR									
15...	40	17	13	0.9	230	25	7	0.270	0.140
MAY									
20...	10	9.0	7	0.3	<20	26	<1	0.400	0.130
JUN									
10...	10	10	11	1.0	140	22	9	0.280	0.130
JUL									
16...	20	3.0	--	0.6	330	27	<1	0.090	0.150
AUG									
12...	10	5.0	--	0.8	790	23	1	0.280	0.120
SEP									
16...	30	7.0	--	1.4	80	30	7	0.290	0.190

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN,AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
NOV					
13...	0.34	0.50	0.82	0.100	9.7
DEC					
03...	0.13	0.20	0.30	0.060	5.4
11...	0.21	0.30	0.55	0.070	5.8
JAN					
14...	0.27	0.40	0.62	0.110	6.1
FEB					
11...	0.32	0.40	0.61	0.070	10
MAR					
12...	0.15	0.30	0.60	0.060	4.5
APR					
15...	0.26	0.40	0.67	0.060	4.8
MAY					
20...	0.07	0.20	0.60	0.060	21
JUN					
10...	0.27	0.40	0.68	0.050	43
JUL					
16...	--	--	--	0.090	5.1
AUG					
12...	--	--	--	0.090	6.0
SEP					
16...	--	--	--	0.110	8.1

02224000 ROCKY CREEK NEAR DUDLEY, GA.

LOCATION.--Lat 32°29'38", 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 mi^2.
PERIOD OF RECORD.--November 1970 to current year. Water-discharge records for water years 1952-76 are published in reports of the U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM)	PH (STAND-ARD UNITS)	PH LAB (STAND-ARD UNITS)	TEMPER-ATURE WATER (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)
MAR									
03...	1000	44	60	67	7.10	7.50	9.0	10.5	92
JUL									
21...	0800	0.35	144	150	7.10	7.50	26.0	4.7	59

DATE	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (NTU)	HARD-NESS (MG/L AS CACO3)	HARD-NESS NONCARB WH WAT TOT LAB 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)	PERCENT SODIUM	SODIUM AD-SORP-TION RATIO	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY LAB (MG/L AS CACO3)	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO2)
MAR												
03...	70	6.0	22	8	6.7	1.2	3.4	24	0.3	1.1	14	2.2
JUL												
21...	20	1.2	67	3	24	1.7	3.1	9	0.2	1.4	64	9.8

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)	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)
MAR												
03...	8.0	7.0	<0.10	6.1	47	43	5.6	0.06	0.600	0.550	0.040	0.040
JUL												
21...	4.3	5.8	0.10	9.7	90	89	0.08	0.12	0.300	0.340	0.060	0.070

DATE	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)	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)
MAR											
03...	0.36	0.36	0.40	0.40	1.0	0.040	0.020	7.5	50	<1	<1
JUL											
21...	0.44	0.53	0.50	0.60	0.80	0.040	0.030	4.1	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)
MAR											
03...	<1	<10	2	430	2	5	43	0.30	0.5	<1	130
JUL											
21...	1	<10	4	330	<5	<5	310	0.20	<0.1	<1	15

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 mi^2, 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.--Estimated daily discharages: Oct. 2, July 28, Sept. 9, 10, 16-24. Records good, except for period Sept. 16-24, which are fair.
AVERAGE DISCHARGE.--17 years (water years 1950, 1971-86), 11,447 ft^3/s, 13.40 in/yr.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 97,500 ft^3/s Mar. 12, 1971, gage height, 22.7 ft; minimum daily, 1,620 ft^3/s July 21, 1986.
EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Dec. 10, 1948, reached a stage of 25.1 ft, from floodmark, discharge, 130,000 ft^3/s. Flood of January 1925 reached a stage of 30.0 ft, from information furnished by Georgia Department of Transportation.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 25,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)
Feb. 13	2400	*27,000	*14.60

Minimum daily discharge, 1,620 ft^3/s July 21.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2250	7260	13700	8170	7250	10300	13100	3200	2450	1960	1810	2700
2	2360	7030	13600	8570	6740	9790	12700	3090	2710	1930	1870	2760
3	2690	7150	14000	9000	6540	9360	11600	3080	2970	1950	1850	2900
4	6120	7770	14700	9070	6320	8640	9490	3050	3110	2000	1840	2990
5	8660	8460	15300	9030	6080	7990	7650	3040	3090	1990	1810	2990
6	8020	8200	15800	8920	6680	7480	6830	3040	2990	1950	1780	2980
7	6260	7290	16300	8660	9620	7050	6470	2930	2810	1930	1760	3250
8	5090	6520	16800	8480	12500	6820	6090	2860	2630	1890	1730	3960
9	4660	6060	16400	8420	14400	6660	5790	2750	2500	1860	1730	4100
10	4390	5500	13800	8040	15500	6420	5500	2680	2430	1820	1730	4250
11	3970	4910	11800	7960	19300	6120	5380	2610	2400	1790	1780	4310
12	3530	4450	11100	8790	23700	6030	5100	2490	2370	1780	1780	4270
13	3220	4150	11500	9710	26400	5960	4910	2430	2400	1760	1850	3880
14	3060	3960	14100	10000	26900	6440	4880	2440	2430	1740	1990	3490
15	2940	3830	17900	10000	25700	8450	4900	2420	2480	1730	2040	3220
16	2840	3730	21400	9970	23700	10200	4900	2360	2490	1730	2110	3110
17	2760	3810	23200	9770	21800	11000	4530	2340	2450	1690	2190	3000
18	2700	3810	23200	9070	19700	11700	4350	2350	2380	1680	2290	2920
19	2650	3740	22100	8250	17400	12000	4310	2350	2340	1660	2350	2840
20	2660	3630	20000	7790	15600	11800	4230	2360	2260	1630	2440	2830
21	2840	3670	17600	7640	14700	11500	4020	2350	2190	1620	2360	2880
22	3140	6040	15800	7600	14200	12200	3840	2370	2140	1680	2300	2880
23	3260	13000	14700	7930	13700	13500	3700	2350	2090	1690	2250	2870
24	3290	18100	13700	8320	13100	14700	3580	2340	2050	1750	2360	2810
25	3280	20800	12500	8590	12500	15600	3660	2400	2030	1800	2370	2790
26	3230	20900	11300	8490	12000	16300	3820	2430	2040	1860	2360	2710
27	3260	19500	9890	8190	11500	16700	3640	2370	2000	1860	2390	2630
28	3980	18000	8660	7670	11000	17200	3450	2330	1980	1850	2390	2540
29	6410	16100	8200	7190	---	17200	3340	2300	1980	1850	2390	2510
30	8270	14300	8300	6980	---	15200	3300	2340	1980	1880	2430	2490
31	7990	---	8230	7330	---	13500	---	2400	---	1810	2560	---
TOTAL	129780	261670	455580	263600	414530	333810	169060	79850	72170	56120	64890	93860
MEAN	4186	8722	14700	8503	14800	10770	5635	2576	2406	1810	2093	3129
MAX	8660	20900	23200	10000	26900	17200	13100	3200	3110	2000	2560	4310
MIN	2250	3630	8200	6980	6080	5960	3300	2300	1980	1620	1730	2490
CFSM	.36	.75	1.27	.73	1.28	.93	.49	.22	.21	.16	.18	.27
IN.	.42	.84	1.46	.85	1.33	1.07	.54	.26	.23	.18	.21	.30

CAL YR 1985 TOTAL 2683450 MEAN 7352 MAX 42400 MIN 2250 CFSM .63 IN 8.61
WTR YR 1986 TOTAL 2394920 MEAN 6561 MAX 26900 MIN 1620 CFSM .57 IN 7.68

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 determination of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen is 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 1985 TO SEPTEMBER 1986

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM)	PH (STAND-ARD UNITS)	PH LAB (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	TEMPER-ATURE, AIR (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)
NOV										
07...	0800	7450	90	86	7.10	7.00	16.0	15.5	5.1	51
13...	0905	4190	115	115	7.20	7.30	18.0	23.0	5.9	62
DEC										
05...	0930	15200	72	69	6.80	6.90	14.0	11.0	6.7	64
JAN										
09...	0905	8440	85	80	7.20	7.10	7.5	5.0	9.4	77
FEB										
06...	0920	6290	101	95	7.20	7.10	14.0	15.0	6.5	63
MAR										
06...	0745	7560	100	92	7.20	7.10	12.0	12.5	7.6	70
APR										
09...	0730	5850	112	106	7.20	7.20	22.0	17.0	5.0	57
MAY										
08...	0730	2880	138	133	7.50	7.50	24.0	24.0	5.7	68
JUN										
11...	0700	2400	148	144	7.50	7.30	27.5	28.0	5.2	65
JUL										
09...	0715	1880	160	157	7.90	7.80	29.0	29.0	4.2	54
AUG										
13...	0930	1820	149	149	7.80	7.90	26.0	28.0	4.6	56
SEP										
10...	0720	4050	130	135	7.60	7.40	26.0	23.5	5.4	66

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 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									
07...	75	17	1.2	80	22	0.270	0.070	0.080	12
13...	45	11	0.8	70	30	0.390	0.040	0.090	8.2
DEC									
05...	120	30	1.1	210	19	0.140	0.060	0.050	12
JAN									
09...	50	13	0.8	80	23	0.310	0.070	0.060	7.1
FEB									
06...	35	12	--	--	28	0.410	0.060	0.050	6.2
MAR									
06...	40	12	0.9	50	28	0.420	0.070	0.050	5.8
APR									
09...	50	21	1.3	--	16	0.390	0.050	0.070	9.1
MAY									
08...	30	10	1.8	20	40	0.450	0.090	0.060	4.1
JUN									
11...	--	--	--	--	42	0.440	0.090	0.070	5.1
JUL									
09...	10	5.0	1.8	20	46	0.170	0.050	0.050	6.2
AUG									
13...	5	6.0	0.6	130	44	0.380	0.070	0.080	3.2
SEP									
10...	45	17	2.7	--	29	0.530	0.080	0.100	7.4

02225470 PENDLETON CREEK NEAR OHOOPEE, GA.

LOCATION.--Lat 32°09'36", long 82°12'43", Toombs County, Hydrologic Unit 03070107, at bridge on State Route 86, 1.5 mi south of Ohoopee, and 1.6 mi upstream of Ohoopee River.
DRAINAGE AREA.--300 mi^2.
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 determination of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen is by the U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM)	PH (STAND-ARD UNITS)	PH LAB (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	TEMPER-ATURE, AIR (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)
NOV										
06...	1130	940	--	40	5.40	5.40	15.0	22.5	5.0	--
12...	1500	830	--	44	5.60	5.40	16.0	21.5	5.9	--
DEC										
04...	1515	1030	--	37	5.50	5.40	12.0	15.5	5.7	--
JAN										
08...	1350	385	37	35	5.90	5.80	7.5	10.0	8.6	70
FEB										
05...	1415	274	46	40	6.20	6.10	13.5	14.5	6.3	60
MAR										
05...	1235	260	44	37	6.20	6.00	11.5	17.0	6.2	56
APR										
08...	1400	135	54	44	6.20	6.20	22.0	32.0	3.6	41
MAY										
07...	1300	20	53	48	6.20	6.10	23.5	28.0	3.2	37
JUN										
10...	1250	3.7	48	43	6.30	6.20	27.5	31.0	3.1	39
JUL										
08...	1210	3.0	50	45	6.30	6.40	28.5	35.5	3.3	42
SEP										
09...	1230	60	69	71	6.20	6.20	24.5	27.0	4.3	51

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 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...	160	8.0	1.2	--	4.0	<0.020	0.050	0.050	18
12...	120	6.0	2.9	80	3.0	0.030	<0.020	0.060	16
DEC									
04...	210	8.0	2.0	230	3.0	<0.020	0.030	0.100	26
JAN									
08...	90	8.0	0.8	80	4.0	0.120	0.050	0.050	12
FEB									
05...	110	8.0	2.3	60	6.0	0.150	0.090	0.060	10
MAR									
05...	110	7.0	1.1	230	6.0	0.110	0.130	0.050	11
APR									
08...	120	10	0.5	40	7.0	0.150	0.080	0.060	13
MAY									
07...	--	6.0	3.0	110	6.0	0.270	0.050	0.060	16
JUN									
10...	35	2.0	2.0	40	7.0	<0.020	0.050	0.030	5.5
JUL									
08...	45	3.0	--	80	8.0	<0.020	0.070	0.060	8.2
SEP									
09...	100	2.0	2.0	130	8.0	<0.020	0.060	0.090	19

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 of 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 mi^2, approximately.
PERIOD OF RECORD.--April 1903 to December 1907, April 1937 to current year. Monthly discharge only for April to June 1903, April to May 1937, published in WSP 1304.
REVISED RECORDS.--WSP 822: Drainage area. WSP 892: 1938(M). WSP 1504: 1905. WDR GA-84-1: 1983.
GAGE.--Water-stage recorder. Datum of gage is 73.8 ft above 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.--No estimated daily discharges. Records good.
AVERAGE DISCHARGE.--53 years (water years, 1904-07, 1938-86), 985 ft^3/s, 12.05 in/yr.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 24,400 ft^3/s Mar. 6, 1966, gage height, 23.34 ft; minimum daily, 19 ft^3/s Sept. 12, 13, 1954.
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 ft^3/s.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 3,800 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Nov. 23	2400	7,570	16.47	Dec. 17	0400	*10,200	*17.75
Dec. 5	1800	5,370	14.13	Feb. 13	2200	7,340	15.87

Minimum daily discharge, 22 ft^3/s July 14, 15, 22, 23, and 25.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	101	1680	3380	1820	1030	1430	898	110	51	37	26	170
2	276	2040	3420	1810	995	1340	828	103	57	35	25	206
3	637	1970	3470	1780	962	1290	767	96	50	35	25	239
4	843	1860	4150	1740	926	1300	709	91	47	32	44	300
5	1270	2000	5170	1700	913	1280	659	87	49	30	46	346
6	2070	2100	5020	1630	1160	1210	614	84	47	30	49	336
7	2020	1810	4290	1560	1980	1120	573	81	43	29	49	314
8	1580	1530	3760	1470	2530	1050	530	81	42	29	41	288
9	1070	1240	3460	1390	2750	981	488	80	40	28	36	263
10	756	1020	3210	1340	3160	924	455	75	43	26	32	250
11	586	887	2930	1460	4540	879	424	71	49	25	32	251
12	491	792	2640	1630	5870	843	399	69	51	24	38	262
13	430	774	2550	1790	7030	830	374	69	49	23	46	251
14	385	800	2880	1940	6900	1070	345	68	53	22	77	224
15	361	741	4880	2130	5980	1430	315	67	59	22	73	198
16	332	667	8690	2240	4910	1600	289	73	52	26	69	176
17	304	620	9860	2200	4100	1810	265	86	46	33	65	157
18	277	588	7910	2040	3570	2270	243	76	45	27	57	140
19	256	559	5940	1840	3150	2550	223	69	43	25	53	129
20	235	546	4730	1680	2800	2380	206	65	44	24	47	118
21	217	701	4020	1520	2500	2110	191	61	43	23	50	109
22	216	2890	3500	1390	2270	1890	178	57	41	22	66	102
23	272	6980	3070	1350	2110	1770	164	55	38	22	58	94
24	348	6920	2740	1420	1970	1760	154	52	36	23	50	87
25	340	6370	2490	1460	1850	1740	146	50	35	22	44	81
26	262	7020	2290	1420	1740	1660	142	48	39	24	41	74
27	228	6510	2140	1370	1640	1520	138	48	37	28	38	68
28	370	5050	2020	1320	1530	1370	132	47	37	30	39	63
29	744	3990	1960	1230	---	1220	125	48	45	29	59	58
30	1010	3490	1910	1150	---	1080	117	61	41	28	96	54
31	1210	---	1860	1080	---	976	---	55	---	27	113	---
TOTAL	19497	74145	120340	49900	80866	44683	11091	2183	1352	840	1584	5408
MEAN	629	2472	3882	1610	2888	1441	370	70.4	45.1	27.1	51.1	180
MAX	2070	7020	9860	2240	7030	2550	898	110	59	37	113	346
MIN	101	546	1860	1080	913	830	117	47	35	22	25	54
CFSM	.57	2.23	3.50	1.45	2.60	1.30	.33	.06	.04	.02	.05	.16
IN.	.65	2.48	4.03	1.67	2.71	1.50	.37	.07	.05	.03	.05	.18

CAL YR 1985 TOTAL 323980 MEAN 888 MAX 9860 MIN 22 CFSM .80 IN 10.86
WTR YR 1986 TOTAL 411889 MEAN 1128 MAX 9860 MIN 22 CFSM 1.02 IN 13.80

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 mi^2, 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 determination of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen is by the U.S. Geological Survey. Discharge obtained from gaging station 02226000, Altamaha River at Doctortown, Ga.

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM)	PH (STAND-ARD UNITS)	PH LAB (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	TEMPER-ATURE, AIR (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)
OCT 03...	1200	2860	125	133	7.60	7.70	25.0	29.5	7.4	90
NOV 11...	1245	8240	85	87	6.90	6.90	17.5	22.5	6.3	65
DEC 17...	1150	22200	56	50	6.50	6.60	9.5	16.0	7.5	65
JAN 14...	1200	12200	70	70	7.10	6.90	8.0	6.0	10.8	91
FEB 19...	1235	32900	62	55	6.50	6.70	14.5	25.0	5.2	51
MAR 04...	1330	12800	77	76	7.00	7.10	12.0	10.5	9.5	89
APR 16...	1200	10700	118	111	7.30	7.30	21.0	26.0	5.2	58
MAY 21...	1205	2690	155	152	7.70	7.60	24.5	28.0	5.2	62
JUN 11...	1100	2720	122	129	7.60	7.20	30.0	27.0	6.8	90
JUL 22...	1100	1660	150	167	7.60	7.70	31.0	31.0	7.1	96
AUG 19...	1100	2290	135	139	7.30	7.80	30.0	28.0	6.4	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-LINITY LAB (MG/L AS CACO3)	SOLIDS, RESIDUE 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 03...	5	8.0	0.7	140	40	6	0.240	0.040	0.050	2.8	<0.05
NOV 11...	60	12	1.0	50	20	34	0.210	<0.020	0.290	8.6	1.0
DEC 17...	130	20	1.7	490	10	17	0.110	<0.020	0.050	13	1.7
JAN 14...	75	12	--	40	19	11	0.240	0.040	0.060	8.5	1.0
FEB 19...	90	20	2.3	20	12	4	0.130	0.060	0.050	9.3	1.1
MAR 04...	55	12	1.0	20	22	10	0.250	0.090	0.040	8.5	1.0
APR 16...	40	18	0.7	--	38	19	0.460	0.060	0.060	9.2	<0.50
MAY 21...	10	10	1.2	--	43	2	0.440	0.050	0.030	3.6	<0.50
JUN 11...	--	--	--	--	35	9	0.470	0.040	0.070	2.4	<0.50
JUL 22...	10	12	1.9	--	46	10	<0.020	0.070	0.100	7.8	<0.50
AUG 19...	20	14	1.4	65	39	20	0.320	0.050	0.060	5.0	<0.50

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 mi^2, 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.--No estimated daily discharges. Records good. Records of chemical analyses for the water years 1967-77 are published in reports of the U.S. Geological Survey.
AVERAGE DISCHARGE.--55 years, 13,643 ft^3/s, 13.62 in/yr.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 178,000 ft^3/s Apr. 18, 1936, gage height, 16.03 ft, present datum; minimum 1,430 ft^3/s Oct. 27, 28, Nov. 1, 1954.
EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known since at least 1800, 18.6 ft, present datum, Jan. 23, 1925, discharge, 300,000 ft^3/s, from rating curve extended above 180,000 ft^3/s.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 30,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Nov. 28	1500	34,300	11.33	Feb. 15	1200	*41.800	*11.86
Dec. 20	0500	37,600	11.57				

Minimum discharge, 1,660 ft^3/s July 21, 22.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2380	10800	28100	12100	9240	15500	19500	3800	2670	2050	1840	2550
2	2380	11300	25200	11800	9210	14600	17800	3700	2690	2030	1810	2650
3	2880	11300	22900	11800	8880	13700	16400	3600	2810	2020	1840	2700
4	4140	11500	21900	12100	8480	12900	15300	3520	3030	2020	1890	2720
5	6540	11600	21600	12400	8220	12200	13800	3490	3210	2020	1910	2820
6	8530	11800	22100	12400	9010	11400	11600	3450	3250	2020	1890	2850
7	9300	12000	23000	12400	12100	10500	9320	3470	3200	2000	1840	2870
8	8820	11700	24000	12200	14400	9650	8150	3470	3070	1970	1810	3040
9	7740	10600	24500	11800	16600	9010	7430	3350	2920	1930	1770	3620
10	6780	9310	24500	11700	19500	8640	6910	3230	2790	1890	1760	4020
11	6090	8270	24000	11600	22700	8310	6570	3120	2730	1850	1740	4150
12	5390	7210	22500	11300	26900	7960	6330	3060	2700	1810	1780	4300
13	4810	6470	20900	11500	34300	7760	6080	2980	2660	1780	1780	4380
14	4360	5930	19300	12200	39800	8120	5810	2910	2640	1780	1940	4220
15	4030	5600	18600	13000	41600	9080	5680	2860	2680	1770	2010	3870
16	3770	5400	19500	13500	41400	10700	5650	2820	2690	1770	2080	3520
17	3570	5210	22500	13800	39300	12400	5600	2770	2700	1760	2140	3250
18	3410	5120	29200	13800	36300	13700	5380	2720	2660	1750	2200	3090
19	3270	5060	35800	13600	32900	14500	5120	2710	2610	1710	2300	2960
20	3170	5090	37300	12900	29700	15300	4990	2700	2560	1700	2380	2860
21	3160	5290	35400	11900	26600	15900	4920	2690	2490	1670	2470	2810
22	3310	5720	32100	11200	23900	16000	4760	2670	2400	1670	2480	2850
23	3590	8140	28600	10700	22000	15800	4540	2660	2330	1680	2420	2900
24	4030	13000	25500	10600	20400	15900	4360	2640	2280	1720	2360	2870
25	4240	19000	23000	10900	19200	16600	4220	2620	2230	1730	2370	2780
26	4150	27300	21000	11400	18200	17400	4170	2640	2210	1810	2390	2690
27	3980	32400	19300	11700	17200	18300	4260	2660	2190	1870	2350	2600
28	4090	34100	17600	11600	16400	19100	4190	2630	2140	1890	2360	2510
29	4850	33500	15700	11000	---	19700	4030	2590	2090	1860	2440	2420
30	6830	31200	13600	10300	---	20300	3880	2590	2050	1930	2420	2360
31	9210	---	12500	9520	---	20400	---	2600	---	1910	2420	---
TOTAL	152800	380920	731700	368720	624440	421330	226750	92720	78680	57370	65190	93230
MEAN	4929	12700	23600	11890	22300	13590	7558	2991	2623	1851	2103	3108
MAX	9300	34100	37300	13800	41600	20400	19500	3800	3250	2050	2480	4380
MIN	2380	5060	12500	9520	8220	7760	3880	2590	2050	1670	1740	2360
CFSM	.36	.93	1.74	.87	1.64	1.00	.56	.22	.19	.14	.16	.23
IN.	.42	1.04	2.00	1.01	1.71	1.15	.62	.25	.22	.16	.18	.26

CAL YR 1985 TOTAL 3336670 MEAN 9142 MAX 46600 MIN 2380 CFSM .67 IN 9.13
WTR YR 1986 TOTAL 3293850 MEAN 9024 MAX 41600 MIN 1670 CFSM .66 IN 9.01

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 mi^2, 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 determination of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen is by the U.S. Geological Survey. Discharge obtained from gaging station 02226000, Altamaha River at Doctortown, Ga.

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM)	PH (STAND-ARD UNITS)	PH LAB (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	TEMPER-ATURE, AIR (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)
OCT										
03...	1130	2450	225	237	7.40	7.50	25.0	29.5	6.0	73
NOV										
11...	1130	8800	118	121	6.90	6.70	17.0	23.5	6.3	64
DEC										
17...	1115	20500	69	64	6.70	6.70	10.0	15.0	7.9	69
JAN										
14...	1140	11800	92	93	7.00	6.90	8.0	6.0	10.4	88
FEB										
19...	1130	34700	66	56	6.60	6.60	14.0	27.5	5.4	52
MAR										
04...	1245	13200	94	90	7.00	7.10	12.0	10.5	9.2	86
APR										
16...	1030	5660	154	148	7.30	7.20	20.5	25.0	5.1	57
MAY										
21...	1115	2690	240	232	7.50	7.50	24.0	26.5	4.2	50
JUN										
11...	1030	2750	210	214	7.50	7.10	30.0	27.0	5.6	75
JUL										
22...	1030	1660	255	286	7.30	7.50	31.5	31.0	4.7	64
AUG										
19...	1030	2240	225	239	7.30	7.80	31.0	27.0	5.2	71

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 LAB (MG/L AS CACO3)	SOLIDS, RESIDUE 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)
OCT									
03...	65	8.0	--	2.1	70	54	8	0.250	0.080
NOV									
11...	100	13	--	1.2	170	23	27	0.200	0.040
DEC									
17...	110	20	--	1.7	130	14	11	0.130	0.050
JAN									
14...	90	11	--	--	65	22	3	0.270	0.070
FEB									
19...	110	19	--	1.9	20	12	6	0.140	0.090
MAR									
04...	75	11	--	1.1	40	24	9	0.240	0.100
APR									
16...	65	16	--	1.6	--	37	15	0.440	0.090
MAY									
21...	50	10	--	2.0	--	53	4	0.360	0.070
JUN									
11...	--	--	--	--	--	44	4	0.430	0.120
JUL									
22...	90	10	34	1.9	--	61	10	<0.020	0.050
AUG									
19...	90	14	26	1.7	70	50	16	0.270	0.100

02226010 ALTAMAHA RIVER NEAR GARDI, GA.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN,AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)	TANNIN AND LIGNIN (MG/L)
OCT						
03...	--	--	--	0.080	7.9	2.2
NOV						
11...	--	--	--	0.130	9.2	1.5
DEC						
17...	--	--	--	0.050	12	1.8
JAN						
14...	--	--	--	0.060	9.6	1.2
FEB						
19...	--	--	--	0.040	11	2.2
MAR						
04...	--	--	--	0.050	9.3	1.4
APR						
16...	--	--	--	0.060	14	1.1
MAY						
21...	--	--	--	0.040	13	1.3
JUN						
11...	--	--	--	0.090	4.6	1.7
JUL						
22...	0.95	1.0	--	0.110	8.7	2.0
AUG						
19...	0.40	0.50	0.77	0.120	9.7	2.3

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 mi^2, 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.--Estimated daily discharges: June 11-13, Aug. 18-27, Sept. 17-30. Records good except those below 20 ft^3/s which are fair, and those for period of estimated daily discharges, which are poor.
AVERAGE DISCHARGE.--28 years, 195 ft^3/s, 12.61 in/yr.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,420 ft^3/s Sept. 30, 1979, gage height, 14.96 ft; no flow at times most years.
EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 1,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)
Feb. 12	2400	*2,460	*12.92

Minimum daily discharge, no flow on several days.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.33	43	132	82	86	241	51	.05	.00	.02	.00	2.9
2	.46	45	165	80	78	199	42	.02	.00	.00	.00	48
3	.87	40	189	77	70	167	35	.00	.02	.00	.00	84
4	.96	35	200	78	63	142	29	.00	.09	.00	.00	74
5	.89	29	190	92	66	125	24	.00	.16	.00	.10	49
6	.83	24	157	106	185	110	19	.00	.36	.00	2.3	32
7	.95	21	125	137	404	98	17	.00	.60	.00	1.4	23
8	.89	18	97	156	535	86	14	.03	.39	.00	.88	15
9	.82	15	77	154	737	73	11	.24	.12	.00	.39	8.6
10	.87	14	62	176	969	64	8.4	.14	.07	.00	.18	6.3
11	2.3	13	54	323	1610	56	7.3	.08	.02	.00	.11	4.9
12	4.3	11	49	482	2330	51	6.2	.04	.00	.00	.03	3.7
13	4.8	10	115	639	2380	65	5.6	.03	.00	.00	.01	2.2
14	4.1	9.0	302	696	2080	262	4.5	.02	1.0	.00	.07	1.3
15	3.1	8.5	432	624	1750	376	3.3	.00	8.7	.00	.16	.76
16	2.2	7.8	584	509	1460	441	2.8	.00	8.0	.00	.21	.44
17	1.7	7.1	646	414	1190	552	1.9	.00	1.5	.00	.09	.20
18	1.3	6.3	566	348	974	551	1.3	.00	1.1	.00	.00	.10
19	1.0	5.7	449	299	787	449	.97	.00	2.4	.00	.00	.00
20	.79	13	350	257	636	348	.69	.00	7.3	.00	.00	.00
21	.70	78	277	225	517	290	.62	.00	4.2	.00	.00	.00
22	.71	138	219	200	441	243	.55	.00	1.8	.00	.00	.00
23	.80	162	184	181	409	225	.44	.00	.93	.00	.00	.00
24	1.2	166	160	173	385	201	.30	.00	.51	.00	.00	.00
25	1.9	169	142	160	380	167	.22	.00	.24	.00	.00	.00
26	1.8	154	127	149	372	137	.19	.00	.41	.00	.00	.00
27	1.6	129	114	143	341	115	.14	.00	.48	.00	.00	.00
28	15	102	103	128	294	99	.10	.00	.20	.00	.17	.00
29	26	78	96	117	---	84	.08	.00	.10	.00	.61	.00
30	27	72	88	107	---	73	.07	.03	.07	.00	2.6	.00
31	36	---	82	95	---	60	---	.07	---	.00	4.6	---
TOTAL	146.17	1623.4	6533	7407	21529	6150	287.67	.75	40.77	.02	13.91	356.40
MEAN	4.72	54.1	211	239	769	198	9.59	.024	1.36	.001	.45	11.9
MAX	36	169	646	696	2380	552	51	.24	8.7	.02	4.6	84
MIN	.33	5.7	49	77	63	51	.07	.00	.00	.00	.00	.00
CFSM	.02	.26	1.01	1.14	3.66	.94	.05	.000	.006	.000	.002	.06
IN.	.03	.29	1.16	1.31	3.81	1.09	.05	.00	.01	.00	.00	.06

CAL YR 1985 TOTAL 22447.35 MEAN 61.5 MAX 1000 MIN .00 CFSM .29 IN 3.98
WTR YR 1986 TOTAL 44088.09 MEAN 121 MAX 2380 MIN .00 CFSM .58 IN 7.81

02226100 PENHOLOWAY CREEK NEAR JESUP, GA.--Continued

WATER-QUALITY RECORDS

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM)	PH (STAND-ARD UNITS)	PH LAB (STAND-ARD UNITS)	TEMPER-ATURE WATER (DEG C)
MAR 04...	1130	142	69	62	4.10	4.20	11.0

DATE	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (NTU)	HARD-NESS (MG/L AS CACO3)	HARD-NESS NONCARB WH WAT TOT LAB 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)	PERCENT SODIUM	SODIUM AD-SORP-TION RATIO	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY LAB (MG/L AS CACO3)	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO2)
MAR 04...	500	2.6	6	0	1.3	0.70	4.5	60	0.8	0.30	<1.0	0

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, DIS-SOLVED (TONS PER DAY)	SOLIDS, DIS-SOLVED (TONS PER AC-FT)	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)
MAR 04...	16	17	<0.10	9.2	92	35	0.13	<0.100	<0.100	0.060	0.040

DATE	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)
MAR 04...	0.84	0.76	0.90	0.80	0.020	0.010	45	870	<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)
MAR 04...	<1	<10	5	940	1	12	14	<0.10	<0.1	<1	20

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 Seaboard Coast Line Railroad bridge, 3 mi northeast of Everett City, and 15 mi northwest of Brunswick.
DRAINAGE AREA.--14,000 mi^2, approximately.
PERIOD OF RECORD.--October 1969 to current year.
PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: October 1969 to February 1986 (discontinued).
pH: November 1969 to February 1986 (discontinued).
WATER TEMPERATURE: October 1969 to February 1986 (discontinued).
DISSOLVED OXYGEN: April 1970 to February 1986 (discontinued).
INSTRUMENTATION.--Water-quality monitor. Specific Conductance, pH, Water Temperature, and Dissolved Oxygen recorded hourly.
REMARKS.--Laboratory chemical analyses with the analyzing agency codes 80010, 80020, and 84213 are provided by the U.S. Geological Survey. Laboratory chemical analyses with the analyzing agency code 81341 are provided by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, Dissolved Oxygen, and Total Alkalinity is 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).
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.
EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum recorded, 233 microsiemens Oct. 1, 2; minimum recorded, 56 microsiemens Dec. 21, 22.
pH: Maximum recorded, 7.5 units Oct. 1, 2; minimum recorded, 6.1 units Nov. 29.
WATER TEMPERATURE: Maximum recorded, 27.5°C Oct. 4; minimum, 5.5°C Dec. 27.
DISSOLVED OXYGEN: Maximum recorded, 12.3 mg/L Jan. 29; minimum recorded, 4.7 mg/L Nov. 28.

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER)	STREAM-FLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (US/CM)	SPECIFIC CONDUCTANCE LAB (US/CM)	PH (STANDARD UNITS)	PH LAB (STANDARD UNITS)
OCT							
03...	0800	80010	2350	220	222	7.50	7.30
03...	0815	81341	2350	220	224	7.50	7.60
NOV							
11...	0900	81341	9440	104	104	6.90	6.60
DEC							
17...	0940	81341	19300	79	74	6.80	6.80
JAN							
14...	0830	80020	11500	90	--	7.00	--
14...	0840	81341	11500	90	90	7.00	6.80
FEB							
19...	0900	81341	36700	60	50	6.50	6.60
MAR							
04...	0830	80020	13800	87	91	7.10	7.00
04...	0840	81341	13800	87	75	7.10	7.10
APR							
16...	0810	81341	5690	148	141	7.30	7.20
MAY							
21...	0840	81341	2700	255	233	7.50	7.50
JUN							
11...	0730	80020	2800	200	210	7.30	7.60
11...	0740	81341	2800	200	204	7.30	7.20
JUL							
22...	0730	80020	1670	260	271	7.30	7.70
22...	0735	81341	1670	260	281	7.30	7.60
AUG							
19...	0730	80020	2180	238	238	7.00	7.70
19...	0740	81341	2180	225	239	7.00	7.80

02226160 ALTAMAHA RIVER AT EVERETT CITY, GA.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

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 IT-FLD (MG/L AS HCO3)	ALKA-LINITY, CARBON-ATE IT-FLD (MG/L - CACO3)	ALKA-LINITY LAB (MG/L AS CACO3)
OCT								
03...	80010	25.0	26.0	6.1	74	66	54	52
03...	81341	25.0	26.0	6.1	74	--	--	52
NOV								
11...	81341	18.5	22.5	5.4	57	--	--	19
DEC								
17...	81341	9.5	6.0	9.1	78	--	--	16
JAN								
14...	80020	8.5	8.0	11.0	94	33	27	--
14...	81341	8.5	8.0	11.0	94	--	--	21
FEB								
19...	81341	15.0	21.0	5.5	54	--	--	10
MAR								
04...	80020	12.0	11.5	8.8	82	26	22	14
04...	81341	12.0	11.5	8.8	82	--	--	18
APR								
16...	81341	20.0	17.5	5.1	56	--	--	35
MAY								
21...	81341	21.5	24.5	4.1	46	--	--	55
JUN								
11...	80020	29.0	23.0	5.6	73	52	43	44
11...	81341	29.0	23.0	5.6	73	--	--	40
JUL								
22...	80020	31.0	26.0	4.9	66	--	--	62
22...	81341	31.0	26.0	4.9	66	--	--	58
AUG								
19...	80020	31.0	26.0	4.8	65	65	54	51
19...	81341	31.0	26.0	4.8	65	--	--	52

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 (MG/L AS CACO3)	HARD-NESS NONCARB WH WAT TOT LAB MG/L AS CACO3
OCT									
03...	80010	--	3.5	--	--	40	320	42	0
03...	81341	55	8.0	2.0	50	--	--	--	--
NOV									
11...	81341	120	12	1.2	20	--	--	--	--
DEC									
17...	81341	110	14	1.6	700	--	--	--	--
JAN									
14...	80020	--	7.1	--	--	39	54	34	--
14...	81341	110	10	--	50	--	--	--	--
FEB									
19...	81341	65	17	7.9	70	--	--	--	--
MAR									
04...	80020	--	9.9	--	--	90	K16	22	7
04...	81341	90	12	0.8	80	--	--	--	--
APR									
16...	81341	90	19	1.6	--	--	--	--	--
MAY									
21...	81341	65	10	1.6	--	--	--	--	--
JUN									
11...	80020	--	9.0	--	--	110	280	37	0
11...	81341	--	--	--	--	--	--	--	--
JUL									
22...	80020	--	5.4	--	--	K130	620	46	0
22...	81341	90	10	2.3	--	--	--	--	--
AUG									
19...	80020	--	9.6	--	--	160	77	40	0
19...	81341	80	8.0	2.5	170	--	--	--	--

02226160 ALTAMAHA RIVER AT EVERETT CITY, GA.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

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)	PERCENT SODIUM	SODIUM AD-SORP-TION RATIO	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO2)
OCT								
03...	80010	13	2.4	27	56	2	2.3	3.3
JAN								
14...	80020	6.8	4.0	9.4	36	0.7	1.8	5.2
MAR								
04...	80020	6.5	1.5	8.7	44	0.8	1.7	3.3
JUN								
11...	80020	11	2.2	26	59	2	2.6	4.1
JUL								
22...	80020	14	2.8	35	60	2	2.9	6.1
AUG								
19...	80020	12	2.5	31	61	2	2.9	10

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)	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)
OCT									
03...	80010	149	130	945	0.20	23	20	0.20	11
JAN									
14...	80020	72	69	2240	0.10	10	9.4	<0.10	11
MAR									
04...	80020	69	58	2570	0.09	10	8.2	0.10	8.3
JUN									
11...	80020	133	120	1010	0.18	27	17	0.20	11
JUL									
22...	80020	171	160	771	0.23	33	25	0.20	11
AUG									
19...	80020	152	140	895	0.21	31	22	0.20	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, 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)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT												
03...	80010	<0.010	--	0.240	0.040	0.040	0.56	0.60	0.070	0.040	0.020	--
03...	81341	--	0.280	--	0.110	--	--	--	0.070	--	--	5.2
NOV												
11...	81341	--	0.140	--	0.040	--	--	--	0.070	--	--	10
DEC												
17...	81341	--	0.130	--	0.050	--	--	--	0.050	--	--	12
JAN												
14...	80020	0.010	--	0.260	0.020	0.030	0.38	0.40	0.090	0.020	0.010	--
14...	81341	--	0.260	--	0.120	--	--	--	0.060	--	--	10
FEB												
19...	81341	--	0.100	--	0.090	--	--	--	0.040	--	--	16
MAR												
04...	80020	<0.010	--	0.190	0.040	0.070	0.36	0.40	0.050	0.040	0.020	--
04...	81341	--	0.180	--	0.130	--	--	--	0.030	--	--	14
APR												
16...	81341	--	0.430	--	0.100	--	--	--	0.060	--	--	8.1
MAY												
21...	81341	--	0.240	--	0.110	--	--	--	0.040	--	--	11
JUN												
11...	80020	0.010	--	0.490	0.050	0.070	0.35	0.40	0.090	0.060	0.040	--
11...	81341	--	0.450	--	0.120	--	--	--	0.060	--	--	4.7
JUL												
22...	80020	0.010	--	<0.100	0.020	0.060	0.68	0.70	0.100	0.040	0.030	--
22...	81341	--	<0.020	--	0.040	--	--	--	0.080	--	--	9.9
AUG												
19...	80020	0.010	--	0.340	0.020	0.140	0.38	0.40	0.050	0.050	0.040	--
19...	81341	--	0.310	--	0.050	--	--	--	0.130	--	--	9.6

02226160 ALTAMAHA RIVER AT EVERETT CITY, GA.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	AGENCY ANA-LYZING SAMPLE (CODE NUMBER)	ALUM-INUM, DIS-SOLVED (UG/L AS AL)	ARSENIC DIS-SOLVED (UG/L AS AS)	BARIUM, DIS-SOLVED (UG/L AS BA)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE)	CADMIUM DIS-SOLVED (UG/L AS CD)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR)	COBALT, DIS-SOLVED (UG/L AS CO)	COPPER, DIS-SOLVED (UG/L AS CU)	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, DIS-SOLVED (UG/L AS PB)
OCT											
03...	80010	30	<1	29	<0.5	1	<1	<3	2	240	3
JAN											
14...	80020	200	<1	26	<0.5	<1	<1	<3	1	430	1
JUN											
11...	80020	300	<1	28	<0.5	<1	<1	<3	3	170	<5

DATE	AGENCY ANA-LYZING SAMPLE (CODE NUMBER)	LITHIUM DIS-SOLVED (UG/L AS LI)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MERCURY DIS-SOLVED (UG/L AS HG)	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)	ZINC, DIS-SOLVED (UG/L AS ZN)
OCT											
03...	80010	<4	60	1.6	<10	2	<1	<1	67	<6	22
JAN											
14...	80020	<4	17	0.1	<10	1	<1	<1	32	<6	21
JUN											
11...	80020	<4	34	0.3	<10	5	<1	<1	56	<6	20

DATE	TIME	AGENCY ANA-LYZING SAMPLE (CODE NUMBER)	STREAM-FLOW, INSTAN-TANEOUS (CFS)	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
OCT							
03...	0805	84213	2350	25.0	72	457	49
JAN							
14...	0835	84213	11500	8.5	8	248	100
MAR							
04...	0835	84213	13800	12.0	17	633	87
JUN							
11...	0735	84213	2800	29.0	10	76	97
JUL							
22...	0740	84213	1670	31.0	10	45	89
AUG							
19...	0735	84213	2180	31.0	5	29	84

DATE	TIME	AGENCY ANA-LYZING SAMPLE (CODE NUMBER)	STREAM-FLOW, INSTAN-TANEOUS (CFS)	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 DIS-SOLVED, EXTRAC-TION (UG/L)
OCT											
03...	0810	80020	2350	<1.4	<1.2	2.9	<0.4	2.3	<0.4	0.03	0.40

02226160 ALTAMAHA RIVER AT EVERETT CITY, GA.--Continued

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1985 TO FEBRUARY 1986

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	233	231	123	99	66	62	87	83	105	102		
2	233	220	98	91	69	64	91	88	108	104		
3	222	219	92	88	72	68	93	90	109	107		
4	230	214	90	87	74	72	95	93	110	108		
5	226	148	91	88	75	73	96	94	111	109		
6	147	108	94	91	76	73	96	94	111	108		
7	106	91	94	92	75	73	95	94	108	104		
8	91	86	93	91	75	71	96	94	104	93		
9	91	86	92	90	73	70	96	95	93	84		
10	102	92	97	92	72	70	96	94	84	81		
11	116	103	106	97	73	71	94	91	---	---		
12	130	117	114	107	74	72	94	92	---	---		
13	140	130	119	114	74	71	94	93	---	---		
14	147	140	124	119	74	72	94	92	---	---		
15	155	147	126	123	77	73	93	90	---	---		
16	158	154	129	125	78	76	90	87	---	---		
17	153	147	134	129	78	74	88	85	---	---		
18	155	147	138	134	75	69	86	84	---	---		
19	163	155	142	138	69	63	86	84	---	---		
20	169	164	142	139	63	58	88	86	---	---		
21	173	169	141	136	59	56	88	87	---	---		
22	180	174	137	133	59	56	90	86	---	---		
23	179	169	139	133	61	59	93	89	---	---		
24	174	169	132	105	62	60	97	93	---	---		
25	177	171	105	84	62	58	100	97	---	---		
26	176	170	83	71	61	58	101	100	---	---		
27	171	162	71	65	61	58	100	98	---	---		
28	162	160	65	61	64	61	99	97	---	---		
29	167	159	63	59	75	64	98	96	---	---		
30	167	154	62	60	81	75	99	97	---	---		
31	152	124	---	---	84	81	101	99	---	---		
MONTH	233	86	142	59	84	56	101	83	111	81		

02226160 ALTAMAHA RIVER AT EVERETT CITY, GA.--Continued

PH (STANDARD UNITS), WATER YEAR OCTOBER 1985 TO FEBRUARY 1986

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	7.5	7.4	7.0	6.7	6.3	6.2	6.9	6.9	7.0	6.9		
2	7.5	7.4	6.7	6.6	6.3	6.3	6.9	6.9	7.0	6.9		
3	7.4	7.3	6.6	6.5	6.4	6.3	6.9	6.9	7.0	6.9		
4	7.4	7.4	6.6	6.5	6.5	6.4	6.9	6.9	7.0	7.0		
5	7.4	7.2	6.6	6.6	6.5	6.4	6.9	6.9	7.0	7.0		
6	7.2	7.0	6.7	6.6	6.5	6.4	6.9	6.9	7.0	6.9		
7	7.0	6.8	6.7	6.7	6.5	6.5	6.9	6.9	6.9	6.9		
8	6.8	6.7	6.7	6.7	6.5	6.5	6.9	6.9	6.8	6.7		
9	6.7	6.7	6.7	6.7	6.6	6.5	7.0	6.9	6.7	6.6		
10	6.8	6.7	6.8	6.7	6.6	6.5	7.0	6.9	6.6	6.6		
11	6.9	6.8	6.8	6.7	6.6	6.6	6.9	6.9	---	---		
12	7.0	6.9	6.8	6.7	6.6	6.6	6.9	6.8	---	---		
13	7.0	6.9	6.9	6.8	6.7	6.6	6.8	6.8	---	---		
14	7.0	6.9	6.9	6.9	6.7	6.6	6.8	6.8	---	---		
15	7.0	7.0	6.9	6.9	6.7	6.6	6.8	6.8	---	---		
16	7.1	7.0	7.0	6.9	6.7	6.6	6.8	6.8	---	---		
17	7.2	7.1	7.0	6.9	6.7	6.6	6.8	6.8	---	---		
18	7.2	7.1	7.0	6.9	6.6	6.6	6.8	6.7	---	---		
19	7.3	7.1	7.1	7.0	6.6	6.5	6.8	6.7	---	---		
20	7.3	7.2	7.1	7.0	6.5	6.5	6.8	6.8	---	---		
21	7.3	7.2	7.1	7.0	6.5	6.5	6.9	6.8	---	---		
22	7.3	7.2	7.1	7.0	6.5	6.5	6.9	6.8	---	---		
23	7.3	7.2	7.0	7.0	6.6	6.5	6.9	6.8	---	---		
24	7.4	7.3	7.0	6.7	6.6	6.6	6.9	6.8	---	---		
25	7.4	7.3	6.7	6.4	6.6	6.6	6.9	6.9	---	---		
26	7.3	7.2	6.4	6.3	6.7	6.6	6.9	6.8	---	---		
27	7.3	7.2	6.3	6.2	6.7	6.7	6.9	6.9	---	---		
28	7.3	7.2	6.2	6.2	6.8	6.7	6.9	6.9	---	---		
29	7.3	7.2	6.2	6.1	6.8	6.7	7.0	6.9	---	---		
30	7.3	7.2	6.2	6.2	6.9	6.8	7.0	6.9	---	---		
31	7.2	7.0	---	---	6.9	6.8	6.9	6.9	---	---		
MONTH	7.5	6.7	7.1	6.1	6.9	6.2	7.0	6.7	7.0	6.6		

02226160 ALTAMAHA RIVER AT EVERETT CITY, GA.--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1985 TO FEBRUARY 1986

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	26.5	25.0	21.5	21.0	20.5	20.0	9.5	8.5	10.0	9.0		
2	26.0	25.5	21.0	20.5	20.0	19.0	10.5	9.5	11.0	9.5		
3	27.0	25.0	20.5	20.0	19.0	16.5	11.0	10.5	12.0	10.5		
4	27.5	26.5	20.5	19.5	16.0	15.0	11.0	11.0	13.0	11.5		
5	27.0	26.5	19.5	17.5	15.0	14.5	11.5	11.0	13.5	13.0		
6	26.0	24.5	17.5	17.0	14.5	14.0	10.5	10.0	14.5	13.5		
7	24.0	22.5	17.5	16.5	13.5	12.5	10.0	9.5	15.0	14.0		
8	22.5	21.5	17.5	16.5	12.5	12.0	10.0	9.0	15.0	14.5		
9	22.5	21.5	17.0	16.5	12.5	12.0	9.0	8.5	14.5	14.5		
10	22.5	22.0	17.5	16.5	13.0	12.0	9.0	8.5	14.5	14.5		
11	22.5	22.5	19.5	18.0	13.5	12.5	10.0	9.0	---	---		
12	23.5	22.5	19.0	18.5	14.0	13.5	9.5	9.0	---	---		
13	24.0	23.0	20.0	18.5	14.5	14.0	9.5	8.5	---	---		
14	25.0	23.5	21.5	19.5	14.5	13.0	9.0	8.0	---	---		
15	25.5	24.5	20.0	20.0	13.0	11.0	9.0	8.0	---	---		
16	26.5	25.0	21.0	20.0	11.0	10.0	9.5	8.5	---	---		
17	26.5	26.0	21.5	20.5	10.5	9.5	10.0	9.0	---	---		
18	26.0	25.5	22.0	21.0	10.5	10.0	11.0	10.0	---	---		
19	26.5	25.0	22.0	21.5	10.5	10.0	11.5	11.0	---	---		
20	26.5	25.5	22.5	22.0	10.5	9.5	11.5	10.5	---	---		
21	26.0	25.5	22.5	22.0	9.5	9.0	11.0	10.0	---	---		
22	26.0	25.5	22.5	21.5	9.0	8.0	11.5	10.0	---	---		
23	26.0	25.5	21.5	20.5	8.5	8.0	12.0	11.5	---	---		
24	25.5	25.0	20.5	20.0	9.5	8.5	11.5	11.0	---	---		
25	25.5	24.5	20.0	19.5	9.5	8.5	11.0	11.0	---	---		
26	25.0	24.0	20.0	19.5	8.5	6.0	11.0	10.5	---	---		
27	24.0	23.5	20.5	19.5	6.5	5.5	10.5	8.0	---	---		
28	24.0	23.5	20.5	20.0	7.5	6.5	8.0	6.5	---	---		
29	23.5	22.0	20.5	20.0	8.5	7.5	7.0	6.0	---	---		
30	22.0	21.5	20.5	20.0	8.5	8.0	8.5	7.5	---	---		
31	22.0	21.0	---	---	8.5	7.5	9.0	8.0	---	---		
MONTH	27.5	21.0	22.5	16.5	20.5	5.5	12.0	6.0	15.0	9.0		

02226160 ALTAMAHA RIVER AT EVERETT CITY, GA.--Continued

OXYGEN, DISSOLVED (DO), MG/L, WATER YEAR OCTOBER 1985 TO FEBRUARY 1986

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	6.4	5.8	6.3	5.6	5.9	5.5	10.3	9.8	11.0	9.9		
2	6.4	5.8	6.7	5.6	6.2	5.6	10.0	9.7	11.6	9.7		
3	6.2	5.8	6.6	5.7	6.6	5.9	10.0	9.6	11.2	10.2		
4	6.2	5.8	6.3	5.9	7.2	6.6	9.8	9.4	10.6	9.7		
5	6.2	5.7	6.6	6.0	7.5	7.1	9.7	9.2	10.2	9.7		
6	6.2	5.6	6.6	6.1	8.2	7.0	10.1	9.3	9.9	9.2		
7	6.0	5.7	7.3	6.5	8.4	7.9	10.3	10.1	9.6	8.6		
8	6.1	5.8	7.1	6.9	8.6	8.1	10.5	10.2	9.1	7.9		
9	6.2	6.0	7.2	6.7	8.6	8.0	10.9	10.5	8.4	7.9		
10	6.4	6.2	6.7	6.4	8.4	8.0	11.2	10.8	8.1	7.7		
11	6.5	6.2	---	---	8.5	7.9	11.1	10.8	---	---		
12	6.7	6.4	---	---	8.1	7.8	11.2	10.5	---	---		
13	6.8	6.5	---	---	8.5	7.7	11.0	10.4	---	---		
14	6.7	5.9	---	---	8.3	7.3	11.4	10.5	---	---		
15	6.2	5.0	7.1	6.6	8.5	7.2	11.6	10.9	---	---		
16	5.4	4.9	7.0	6.5	9.3	8.1	11.7	10.9	---	---		
17	5.7	5.2	6.9	6.2	9.7	8.7	11.3	10.8	---	---		
18	5.8	5.2	6.8	6.3	9.5	9.1	11.0	10.6	---	---		
19	6.0	5.0	6.8	6.4	9.8	9.3	10.6	9.9	---	---		
20	6.0	5.2	6.9	6.2	10.2	9.5	10.4	9.8	---	---		
21	6.0	5.3	6.8	6.4	10.3	9.8	10.8	9.9	---	---		
22	5.8	5.2	7.0	6.4	10.5	9.8	11.0	10.1	---	---		
23	5.7	5.2	6.7	6.3	10.9	9.8	10.6	9.9	---	---		
24	6.1	5.3	6.8	6.2	10.3	9.9	10.4	10.0	---	---		
25	6.6	5.4	6.2	5.4	9.9	9.4	10.6	10.3	---	---		
26	6.6	5.9	5.5	5.2	9.8	9.2	10.6	10.3	---	---		
27	6.6	6.3	5.4	5.0	10.5	9.5	10.6	10.1	---	---		
28	6.7	6.2	5.4	4.7	10.7	10.3	11.0	10.3	---	---		
29	6.7	6.2	5.6	5.0	10.6	10.0	12.3	10.6	---	---		
30	6.7	6.3	5.8	5.2	10.2	9.8	11.9	10.9	---	---		
31	6.7	6.3	---	---	10.5	9.7	11.4	10.4	---	---		
MONTH	6.8	4.9	7.3	4.7	10.9	5.5	12.3	9.2	11.6	7.7		

RESERVOIRS IN ALTAMAHA RIVER BASIN

02210000 LLOYD SHOALS RESERVOIR.--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 mi^2. PERIOD OF RECORD, October 1929 to current year. Datum of gage is at National Geodetic Vertical Datum of 1929 (levels by Georgia Power Co.).

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 Co.

MONTHEND ELEVATION AND CONTENTS, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

Date	Elevation (feet)†	Contents (acre-feet)	Change in contents (acre-feet)	Change in contents (equivalent in cubic feet per second)
Sept. 30	526.8	92200	-	-
Oct. 31	517.2	58600	-33600	-546
Nov. 30	524.7	83800	+25200	+424
Dec. 31	522.1	74400	-9400	-153
CAL YR 1985	-	-	-300	0
Jan. 31	522.2	74700	+300	+5
Feb. 28	522.6	76100	+1400	+25
Mar. 31	528.1	98000	+21900	+356
Apr. 30	528.3	98800	+800	+13
May 31	528.8	101000	+2200	+36
June 30	526.4	90600	-10400	-175
July 31	521.6	72600	-18000	-293
Aug. 31	517.9	60700	-11900	-194
Sept. 30	521.8	73300	+12600	+212
WTR YR 1986	-	-	-18900	-26

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

02220450 LAKE OCONEE.--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 mi^2. PERIOD OF RECORD, January 1979 to current year. Datum of gage is at National Geodetic Vertical Datum of 1929 (levels by Georgia Power Co.).

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 1985 TO SEPTEMBER 1986

Date	Elevation (feet)†	Contents (acre-feet)	Change in contents (acre-feet)	Change in contents (equivalent in cubic feet per second)
Sept. 30	435.1	361800	-	-
Oct. 31	435.5	369000	+7200	+117
Nov. 30	435.4	367200	-1800	-30
Dec. 31	435.6	370800	+3600	+59
CAL YR 1985	-	-	0	0
Jan. 31	435.4	367200	-3600	-59
Feb. 28	435.4	367200	0	0
Mar. 31	435.5	369000	+1800	+29
Apr. 30	435.4	367200	-1800	-30
May 31	435.6	370800	+3600	+59
June 30	435.0	360000	-10800	-182
July 31	432.5	315500	-44500	-724
Aug. 31	431.7	302200	-13300	-216
Sept. 30	432.5	315500	+13300	+224
WTR YR 1986	-	-	-46300	-64

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

RESERVOIRS IN ALTAMAHA RIVER BASIN--Continued

02222500 SINCLAIR RESERVOIR.--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 mi^2. PERIOD OF RECORD, October 1952 to current year. Datum of gage is at National Geodetic Vertical Datum of 1929 (levels by Georgia Power Co.).

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 Co.

MONTHEND ELEVATION AND CONTENTS, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

Date	Elevation (feet)†	Contents (acre-feet)	Change in contents (acre-feet)	Change in contents (equivalent in cubic feet per second)
Sept. 30.....	337.8	301200	-	-
Oct. 31.....	338.3	308500	+7300	+119
Nov. 30.....	339.3	323500	+15000	+252
Dec. 31.....	338.3	308500	-15000	-244
CAL YR 1985	-	-	0	0
Jan. 31.....	338.3	308500	0	0
Feb. 28.....	338.0	304000	-4500	-81
Mar. 31.....	338.1	305500	+1500	+24
Apr. 30.....	338.4	310000	+4500	+76
May 31.....	338.2	307000	-3000	-49
June 30.....	337.8	301200	-5800	-97
July 31.....	338.3	308500	+7300	+119
Aug. 31.....	338.7	314500	+6000	+98
Sept. 30.....	338.1	305500	-9000	-151
WTR YR 1986	-	-	+4300	+6

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

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 determination of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen is by the U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM)	PH (STAND-ARD UNITS)	PH LAB (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	TEMPER-ATURE, AIR (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)
NOV										
07...	0945	1330	67	63	5.00	4.80	16.0	20.5	4.1	41
13...	1120	275	66	71	5.40	5.20	19.0	30.5	5.6	60
DEC										
05...	1200	1580	63	59	5.10	5.10	14.0	17.5	5.6	54
JAN										
09...	1230	1680	54	50	5.00	4.90	9.0	17.0	7.2	61
FEB										
06...	1145	873	57	51	5.60	5.50	14.5	19.5	6.1	60
MAR										
06...	0955	830	49	43	5.20	5.10	12.5	14.0	6.4	60
APR										
09...	0940	230	62	52	5.80	5.50	21.0	19.5	4.8	54
MAY										
08...	0945	24	54	48	5.80	6.00	24.5	29.5	4.1	49
JUN										
11...	0930	10	49	44	5.90	5.70	28.0	32.0	4.2	53
JUL										
09...	0925	5.7	118	113	6.40	6.30	28.5	32.5	4.1	52
AUG										
13...	1200	4.0	48	45	6.20	6.40	26.5	28.0	4.4	54
SEP										
10...	1000	522	72	72	4.90	4.70	25.5	26.5	3.8	46

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 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									
07...	200	7.0	1.5	110	3.0	<0.020	0.070	0.070	26
13...	140	6.0	2.2	35	4.0	<0.020	0.050	0.090	31
DEC									
05...	220	6.0	2.1	110	5.0	<0.020	0.060	0.080	30
JAN									
09...	140	5.0	1.1	<20	2.0	0.070	0.090	0.050	22
FEB									
06...	140	6.0	--	--	4.0	0.140	0.060	0.050	18
MAR									
06...	220	6.0	1.1	20	3.0	0.140	0.120	0.060	28
APR									
09...	180	7.0	1.6	--	3.0	0.160	0.130	0.100	19
MAY									
08...	110	10	3.0	20	5.0	0.070	0.060	0.050	19
JUN									
11...	--	--	--	--	3.0	0.050	0.100	0.030	5.1
JUL									
09...	90	8.0	3.4	<20	6.0	<0.020	0.030	0.050	12
AUG									
13...	55	11	3.3	130	7.0	<0.020	0.030	0.080	8.0
SEP									
10...	200	3.0	2.3	--	2.0	<0.020	0.040	0.070	40

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 Alabaha River.
DRAINAGE AREA.--1,200 mi^2, approximately.
PERIOD OF RECORD.--April 1937 to current year.
REVISED RECORDS.--WSP 952: 1939. WSP 1624: Drainage area.
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.--No estimated daily discharges. Records good. Records of chemical analyses for the water years 1968-73 are published in reports of the U.S. Geological Survey.
AVERAGE DISCHARGE.--49 years, 1,041 ft^3/s, 11.78 in/yr.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 39,000 ft^3/s Apr. 4, 1948, gage height, 22.4 ft, from floodmark; minimum 6.0 ft^3/s Nov. 3, 4, 1954.
EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known since at least 1862, that of Apr. 4, 1948.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 2,700 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Dec. 1	1000	2,900	13.56	Feb. 13	1600	*21,900	*20.03
Dec. 18	2000	4,830	15.18	Mar. 20	1300	4,150	14.85
Jan. 17	0100	3,280	13.98				

Minimum discharge, 9.8 ft^3/s Aug. 11, 12.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	330	1960	2880	3720	2540	7040	3570	185	71	83	51	718
2	306	2690	3520	3320	2420	6460	3090	176	71	83	53	859
3	286	3330	4190	2990	2330	5890	2690	164	71	81	53	991
4	269	3760	4860	2780	2260	5390	2310	155	76	75	51	1150
5	254	4080	5320	2840	2200	4960	1980	149	77	75	48	1340
6	240	4450	5490	2970	2320	4550	1700	143	75	73	46	1460
7	230	4850	5390	3080	2510	4150	1460	141	74	68	50	1560
8	230	5190	5060	3180	2750	3830	1270	145	73	66	69	1680
9	257	5380	4630	3290	3110	3520	1090	135	74	63	85	1820
10	274	5470	4210	3480	3790	3230	925	126	86	60	91	1940
11	288	5420	3930	3820	6200	2940	810	120	89	58	88	1950
12	286	5200	3740	4140	14500	2690	719	116	98	56	83	1840
13	271	4750	3770	4450	27800	2470	645	112	111	54	75	1660
14	261	4120	4020	4800	37100	2480	579	108	102	52	71	1460
15	255	3520	4280	5260	39000	2700	523	106	129	50	68	1280
16	249	2930	4520	5690	38100	3020	477	105	281	49	65	1140
17	278	2370	4950	5930	36300	3310	434	104	361	49	72	1020
18	274	1880	5710	5940	33000	3640	396	100	296	46	106	915
19	282	1530	6550	5830	28600	4020	366	96	236	44	127	818
20	287	1280	7130	5600	24200	4540	340	93	203	41	157	729
21	276	1120	7470	5390	20200	5240	321	90	169	39	182	654
22	254	1050	7720	5180	16900	6010	303	87	143	44	193	615
23	236	1060	7870	4980	14200	6660	283	84	126	38	193	592
24	222	1160	7880	4730	12100	7090	271	81	112	36	194	551
25	211	1290	7700	4410	10500	7310	262	78	99	34	197	511
26	207	1430	7340	4060	9250	7230	250	74	92	33	202	488
27	232	1590	6850	3750	8340	6910	236	70	88	40	207	480
28	307	1780	6250	3430	7640	6320	221	69	83	47	212	463
29	507	2020	5550	3140	---	5570	207	69	79	46	245	424
30	889	2360	4830	2890	---	4810	196	72	79	42	353	384
31	1380	---	4150	2690	---	4110	---	73	---	45	561	---
TOTAL	10128	89020	167760	127760	410160	148090	27924	3426	3724	1670	4248	31492
MEAN	327	2967	5412	4121	14650	4777	931	111	124	53.9	137	1050
MAX	1380	5470	7880	5940	39000	7310	3570	185	361	83	561	1950
MIN	207	1050	2880	2690	2200	2470	196	69	71	33	46	384
CFSM	.12	1.06	1.94	1.48	5.25	1.71	.33	.04	.04	.02	.05	.38
IN.	.14	1.19	2.24	1.70	5.47	1.97	.37	.05	.05	.02	.06	.42

CAL YR 1985 TOTAL 537636 MEAN 1473 MAX 8230 MIN 58 CFSM .53 IN 7.17
WTR YR 1986 TOTAL 1025402 MEAN 2809 MAX 39000 MIN 33 CFSM 1.01 IN 13.67

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 mi^2, 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 determination of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen is by the U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM)	PH (STAND-ARD UNITS)	PH LAB (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	TEMPER-ATURE, AIR (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)
NOV										
07...	1230	2700	66	62	5.10	4.90	16.0	23.0	4.1	41
13...	1400	640	70	72	5.50	5.30	19.5	27.0	4.7	51
DEC										
05...	1415	2270	63	59	5.10	5.10	15.5	21.0	4.2	42
JAN										
09...	1415	2220	56	50	5.20	5.10	9.5	16.5	7.6	65
FEB										
06...	1525	1700	64	58	5.80	5.70	13.5	19.5	5.2	50
MAR										
06...	1245	2040	51	44	5.20	5.10	13.5	20.0	6.8	65
APR										
09...	1140	400	67	60	5.80	5.70	21.0	24.5	3.8	43
MAY										
08...	1205	75	97	92	6.40	6.40	25.5	33.5	4.2	51
JUN										
11...	1220	68	105	99	6.40	6.20	28.0	34.0	3.6	46
JUL										
09...	1315	16	161	157	6.90	6.90	29.0	39.5	4.4	57
AUG										
13...	1355	13	152	152	6.90	7.00	26.5	28.0	5.3	66
SEP										
10...	1300	900	74	74	5.20	5.00	25.5	25.0	4.5	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-LINITY LAB (MG/L AS CACO3)	SOLIDS, RESIDUE 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)
NOV										
07...	170	9.0	1.9	330	3.0	11	<0.020	0.120	0.100	26
13...	180	8.0	1.5	20	3.0	3	0.100	0.090	0.130	27
DEC										
05...	240	7.0	2.3	80	3.0	10	<0.020	0.090	0.070	30
JAN										
09...	160	5.0	1.2	170	3.0	8	0.090	0.140	0.070	22
FEB										
06...	150	6.0	--	--	6.0	3	0.200	0.170	0.110	21
MAR										
06...	220	6.0	1.0	50	4.0	7	0.110	0.150	0.080	27
APR										
09...	190	8.0	1.0	--	6.0	5	0.220	0.250	0.150	18
MAY										
08...	110	9.0	2.2	50	9.0	12	0.780	0.150	0.240	16
JUN										
11...	--	--	--	--	11	<1	0.620	0.130	0.430	11
JUL										
09...	80	8.0	2.1	<20	13	<1	0.510	0.050	0.560	11
AUG										
13...	55	5.0	1.1	80	20	4	1.43	0.120	0.420	9.9
SEP										
10...	220	10	2.0	--	4.0	18	0.070	0.260	0.140	33

02227500 LITTLE SATILLA RIVER NEAR OFFERMAN, GA.

LOCATION.--Lat 31°27'04", long 82°03'17", Pierce-Wayne County line, Hydrologic Unit 03070202, at 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 mi^2.
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.--No estimated daily discharges. Records good except those below 50 ft/s, which are fair.
AVERAGE DISCHARGE.--35 years, 524 ft^3/s, 11.02 in/yr.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 17,200 ft^3/s Sept. 29, 1953, gage height, 14.5 ft, present datum; no flow Oct. 10 to Nov. 14, 1954.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,500 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Nov. 2	1300	2,840	9.92	Feb. 12	1100	*12,600	*13.00
Nov. 27	2100	3,020	10.02	Mar. 18	2000	1,920	9.39
Dec. 15	1500	1,790	9.28				

Minimum discharge, 0.24 ft^3/s July 20, 21.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.4	1700	1650	366	448	688	274	2.1	1.3	9.8	.76	692
2	2.9	2780	1380	374	444	608	240	1.9	.99	5.2	1.4	755
3	3.1	2720	1130	383	428	530	211	1.8	.77	3.6	2.4	683
4	5.3	2580	980	388	395	476	183	1.8	.73	2.6	6.3	579
5	6.0	2490	899	454	387	441	158	1.7	.78	2.1	21	647
6	5.0	2470	902	477	630	406	139	1.7	.71	2.6	29	686
7	3.3	2110	879	482	1270	369	120	1.7	.66	2.9	36	619
8	2.5	1720	860	465	6510	334	107	3.8	.66	2.0	40	519
9	2.4	1380	883	428	8530	304	94	5.6	.56	1.5	31	379
10	2.5	1120	876	473	8210	289	77	4.2	1.5	1.1	16	251
11	5.7	912	814	767	9760	279	65	3.1	3.7	.81	8.9	188
12	11	754	739	918	12100	260	53	2.3	9.4	.63	5.0	151
13	13	613	862	995	11100	289	45	1.9	12	.59	3.6	123
14	10	482	1220	962	11000	706	40	1.7	78	.67	10	99
15	8.1	370	1380	887	8420	991	34	1.5	221	.53	56	82
16	7.2	298	1470	865	5570	1120	31	1.3	91	.55	68	73
17	18	260	1580	866	3880	1330	26	1.3	47	.47	48	67
18	22	232	1760	841	2960	1830	22	1.2	25	.39	60	63
19	19	213	1730	786	2320	1870	19	1.1	16	.34	63	70
20	16	213	1630	724	1850	1700	17	.98	17	.29	63	134
21	14	283	1470	646	1550	1490	18	.92	23	.28	39	124
22	12	394	1270	546	1330	1340	17	.85	13	.32	46	85
23	11	531	1080	468	1300	1150	13	.78	8.5	.35	78	98
24	11	661	912	438	1310	933	11	.74	5.7	.30	90	123
25	9.7	864	791	418	1240	788	8.9	.68	3.8	.28	59	156
26	8.6	1270	677	412	1060	697	7.1	.63	3.0	.36	40	157
27	16	2510	568	419	879	622	5.3	.61	12	.54	46	133
28	189	2860	477	407	770	549	4.0	.59	17	.64	143	108
29	379	2250	430	424	---	467	3.0	.61	15	.71	282	126
30	465	1820	400	450	---	383	2.5	.80	28	.84	414	97
31	638	---	369	450	---	319	---	1.4	---	.82	580	---
TOTAL	1919.7	38860	32068	17979	105651	23558	2044.8	51.29	657.76	44.11	2386.36	8067
MEAN	61.9	1295	1034	580	3773	760	68.2	1.65	21.9	1.42	77.0	269
MAX	638	2860	1760	995	12100	1870	274	5.6	221	9.8	580	755
MIN	2.4	213	369	366	387	260	2.5	.59	.56	.28	.76	63
CFSM	.10	2.01	1.60	.90	5.84	1.18	.11	.003	.03	.002	.12	.42
IN.	.11	2.24	1.85	1.04	6.08	1.36	.12	.00	.04	.00	.14	.46

CAL YR 1985 TOTAL 124368.83 MEAN 341 MAX 3100 MIN .44 CFSM .53 IN 7.16
WTR YR 1986 TOTAL 233287.02 MEAN 639 MAX 12100 MIN .28 CFSM .99 IN 13.43

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 84, 400 ft downstream from Seaboard Coast Line Railroad bridge, and 1 mi west of Atkinson.
DRAINAGE AREA.--2,790 mi^2, 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.--No estimated daily discharges. Records good, except those below 100 ft^3/s, which are fair.
AVERAGE DISCHARGE.--56 years, 2,270 ft^3/s, 11.05 in/yr.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 68,100 ft^3/s Apr. 6, 1948, gage height, 23.9 ft; minimum daily, 21 ft^3/s Nov. 2-5, 7-13, 1954.
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 ft^3/s.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 5,800 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Dec. 23	2300	7,950	14.25	Feb. 15	0700	*39,300	*20.48
Jan. 17	1700	5,970	13.26	Mar. 25	1100	7,360	13.98

Minimum daily discharge, 33 ft^3/s July 26.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	330	1960	2880	3720	2540	7040	3570	185	71	83	51	718
2	306	2690	3520	3320	2420	6460	3090	176	71	83	53	859
3	286	3330	4190	2990	2330	5890	2690	164	71	81	53	991
4	269	3760	4860	2780	2260	5390	2310	155	76	75	51	1150
5	254	4080	5320	2840	2200	4960	1980	149	77	75	48	1340
6	240	4450	5490	2970	2320	4550	1700	143	75	73	46	1460
7	230	4850	5390	3080	2510	4150	1460	141	74	68	50	1560
8	230	5190	5060	3180	2750	3830	1270	145	73	66	69	1680
9	257	5380	4630	3290	3110	3520	1090	135	74	63	85	1820
10	274	5470	4210	3480	3790	3230	925	126	86	60	91	1940
11	288	5420	3930	3820	6200	2940	810	120	89	58	88	1950
12	286	5200	3740	4140	14500	2690	719	116	98	56	83	1840
13	271	4750	3770	4450	27800	2470	645	112	111	54	75	1660
14	261	4120	4020	4800	37100	2480	579	108	102	52	71	1460
15	255	3520	4280	5260	39000	2700	523	106	129	50	68	1280
16	249	2930	4520	5690	38100	3020	477	105	281	49	65	1140
17	278	2370	4950	5930	36300	3310	434	104	361	49	72	1020
18	274	1880	5710	5940	33000	3640	396	100	296	46	106	915
19	282	1530	6550	5830	28600	4020	366	96	236	44	127	818
20	287	1280	7130	5600	24200	4540	340	93	203	41	157	729
21	276	1120	7470	5390	20200	5240	321	90	169	39	182	654
22	254	1050	7720	5180	16900	6010	303	87	143	44	193	615
23	236	1060	7870	4980	14200	6660	283	84	126	38	193	592
24	222	1160	7880	4730	12100	7090	271	81	112	36	194	551
25	211	1290	7700	4410	10500	7310	262	78	99	34	197	511
26	207	1430	7340	4060	9250	7230	250	74	92	33	202	488
27	232	1590	6850	3750	8340	6910	236	70	88	40	207	480
28	307	1780	6250	3430	7640	6320	221	69	83	47	212	463
29	507	2020	5550	3140	---	5570	207	69	79	46	245	424
30	889	2360	4830	2890	---	4810	196	72	79	42	353	384
31	1380	---	4150	2690	---	4110	---	73	---	45	561	---
TOTAL	10128	89020	167760	127760	410160	148090	27924	3426	3724	1670	4248	31492
MEAN	327	2967	5412	4121	14650	4777	931	111	124	53.9	137	1050
MAX	1380	5470	7880	5940	39000	7310	3570	185	361	83	561	1950
MIN	207	1050	2880	2690	2200	2470	196	69	71	33	46	384
CFSM	.12	1.06	1.94	1.48	5.25	1.71	.33	.04	.04	.02	.05	.38
IN.	.14	1.19	2.24	1.70	5.47	1.97	.37	.05	.05	.02	.06	.42

CAL YR 1985 TOTAL 537636 MEAN 1473 MAX 8230 MIN 58 CFSM .53 IN 7.17
WTR YR 1986 TOTAL 1025402 MEAN 2809 MAX 39000 MIN 33 CFSM 1.01 IN 13.67

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 chemical analyses with the analyzing agency codes 80020, 84213, and 85113 are performed by the U.S. Geological Survey. Laboratory chemical analyses with the analyzing agency code 81341 are performed by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, Dissolved Oxygen, and Total Alkalinity is by the U.S. Geological Survey.
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 1985 TO SEPTEMBER 1986

DATE	TIME	AGENCY ANALYZING SAMPLE (CODE NUMBER)	STREAM-FLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (US/CM)	SPECIFIC CONDUCTANCE LAB (US/CM)	PH (STANDARD UNITS)	PH LAB (STANDARD UNITS)
OCT							
03...	1400	80020	284	65	68	6.00	6.30
03...	1410	81341	284	65	67	6.00	6.00
JAN							
14...	1530	80020	4850	50	52	4.90	5.60
14...	1540	81341	4850	50	48	4.90	4.60
JUN							
11...	1330	80020	88	76	77	6.70	6.80
11...	1340	81341	88	76	74	6.70	6.30
AUG							
19...	1345	80020	128	88	90	7.00	7.20
19...	1350	81341	128	88	91	7.00	7.00

DATE	AGENCY ANALYZING SAMPLE (CODE NUMBER)	TEMPERATURE WATER (DEG C)	TEMPERATURE AIR (DEG C)	OXYGEN, DISSOLVED (MG/L)	OXYGEN, DISSOLVED (PERCENT SATURATION)	BICARBONATE IT-FLD (MG/L AS HCO3)	ALKALINITY, CARBONATE IT-FLD (MG/L - CACO3)	ALKALINITY LAB (MG/L AS CACO3)
OCT								
03...	80020	26.5	30.0	6.4	80	5.0	4.0	4.0
03...	81341	26.5	30.0	6.4	80	--	--	6.0
JAN								
14...	80020	8.5	10.0	9.6	82	3.0	3.0	<1.0
14...	81341	8.5	10.0	9.6	82	--	--	1.0
JUN								
11...	80020	30.0	33.0	7.2	96	8.0	7.0	8.0
11...	81341	30.0	33.0	7.2	96	--	--	8.0
AUG								
19...	80020	31.0	31.5	7.1	97	7.0	6.0	9.0
19...	81341	31.0	31.5	7.1	97	--	--	8.0

02228000 SATILLA RIVER AT ATKINSON, GA.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

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 (MG/L AS CACO3)	HARD-NESS NONCARB WH WAT TOT LAB MG/L AS CACO3
OCT									
03...	80020	--	3.5	--	--	14	42	14	10
03...	81341	120	7.0	1.8	50	--	--	--	--
JAN									
14...	80020	--	4.0	--	--	88	81	9	--
14...	81341	180	5.0	1.3	170	--	--	--	--
JUN									
11...	80020	--	3.0	--	--	48	K19	12	4
11...	81341	--	--	--	--	--	--	--	--
AUG									
19...	80020	--	3.7	--	--	63	410	18	9
19...	81341	85	5.0	2.6	1700	--	--	--	--

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)	PERCENT SODIUM	SODIUM AD-SORP-TION RATIO	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO2)
OCT								
03...	80020	2.9	1.6	6.2	46	0.7	1.6	7.9
JAN								
14...	80020	1.7	1.2	4.3	45	0.6	1.7	60
JUN								
11...	80020	1.8	1.7	9.1	59	1	1.8	2.5
AUG								
19...	80020	2.9	2.5	9.0	49	1	2.5	1.1

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 CONSTI-TUENTS, DIS-SOLVED (MG/L)	SOLIDS, DIS-SOLVED (TONS PER DAY)	SOLIDS, DIS-SOLVED (TONS PER AC-FT)
OCT									
03...	80020	7.1	11	<0.10	11	50	45	38	0.07
JAN									
14...	80020	12	8.6	<0.10	8.2	66	41	864	0.09
JUN									
11...	80020	12	10	<0.10	4.0	54	45	13	0.07
AUG									
19...	80020	18	11	0.10	3.9	72	54	25	0.10

02228000 SATILLA RIVER AT ATKINSON, GA.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

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, 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)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT												
03...	80020	<0.010	--	0.180	0.150	0.070	0.55	0.70	0.110	0.060	0.040	--
03...	81341	--	0.200	--	0.100	--	--	--	0.130	--	--	17
JAN												
14...	80020	0.010	--	<0.100	0.030	0.020	0.77	0.80	0.090	0.020	0.010	--
14...	81341	--	0.040	--	0.020	--	--	--	0.050	--	--	23
JUN												
11...	80020	<0.010	--	0.140	<0.010	0.220	--	0.60	0.120	0.080	0.060	--
11...	81341	--	<0.020	--	0.050	--	--	--	0.110	--	--	8.6
AUG												
19...	80020	<0.010	--	<0.100	0.010	0.100	1.2	1.2	0.160	0.100	0.080	--
19...	81341	--	<0.020	--	<0.020	--	--	--	0.160	--	--	16

DATE	AGENCY ANA-LYZING SAMPLE (CODE NUMBER)	ALUM-INUM, DIS-SOLVED (UG/L AS AL)	ARSENIC DIS-SOLVED (UG/L AS AS)	BARIUM, DIS-SOLVED (UG/L AS BA)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE)	CADMIUM DIS-SOLVED (UG/L AS CD)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR)	COBALT, DIS-SOLVED (UG/L AS CO)	COPPER, DIS-SOLVED (UG/L AS CU)	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, DIS-SOLVED (UG/L AS PB)
OCT											
03...	80020	250	<1	24	<0.5	<1	<1	<3	3	710	3
JAN											
14...	80020	540	<1	19	0.6	<1	<1	<3	3	660	4
JUN											
11...	80020	100	<1	14	<0.5	<1	<1	<3	1	380	45

DATE	AGENCY ANA-LYZING SAMPLE (CODE NUMBER)	LITHIUM DIS-SOLVED (UG/L AS LI)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MERCURY DIS-SOLVED (UG/L AS HG)	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)	ZINC, DIS-SOLVED (UG/L AS ZN)
OCT											
03...	80020	<4	30	2.3	<10	3	<1	<1	20	<6	30
JAN											
14...	80020	<4	32	0.1	<10	2	<1	<1	13	<6	21
JUN											
11...	80020	<4	12	<0.1	<10	4	<1	<1	18	<6	24

DATE	TIME	AGENCY ANA-LYZING SAMPLE (CODE NUMBER)	STREAM-FLOW, INSTAN-TANEOUS (CFS)	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
OCT							
03...	1405	84213	284	26.5	9	6.9	95
JAN							
14...	1535	84213	4850	8.5	16	210	66
JUN							
11...	1335	84213	88	30.0	8	1.9	62
AUG							
19...	1355	84213	128	31.0	15	5.2	96

02228500 NORTH PRONG ST MARYS RIVER AT MONIAC, GA

LOCATION.--Lat 30°31'03", long 82°13'50", in NWS sec.8, T.1 N., R.21 E., Baker County, FL, Hydrologic Unit 03070204, near right bank at upstream side of bridge on State Highway 2 and 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 mi^2, approximately, includes part of watershed in Okefenokee Swamp which is indeterminate.
PERIOD OF RECORD.--January 1921 to December 1923 (published as St Marys River at Moniac), January 1927 to June 1930, July 1932 to June 1934, October 1950 to current year.
REVISED RECORDS.--WSP 1234; Drainage area.
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.
REMARKS.--No estimated daily discharges. Records good.
AVERAGE DISCHARGE.--41 years (water years 1922-23, 1928-29, 1933, 1951-86), 159 ft^3/s, 13.50 in/yr.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 11,600 ft^3/s, Apr. 5, 1973, gage height, 22.98 ft; no flow for many days in some years; minimum gage height, 3.62 ft, June 26, 1955.
EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,300 ft^3/s, Feb. 11, gage height, 15.00 ft; minimum, 2.7 ft^3/s, May 29, gage height, 4.54 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	120	264	45	77	184	290	148	14	9.9	26	13	142
2	117	316	76	97	168	258	133	13	9.3	20	12	107
3	108	316	89	95	156	226	119	12	12	35	13	81
4	100	303	86	154	145	309	108	11	9.1	39	23	66
5	93	271	84	693	160	635	98	9.6	7.6	30	37	178
6	83	217	86	821	647	590	89	9.0	6.4	28	37	360
7	71	172	81	752	954	490	81	8.0	5.3	110	41	273
8	63	143	74	756	1070	429	74	7.7	4.5	98	35	185
9	57	121	69	693	1600	385	68	7.1	3.7	52	29	202
10	53	106	64	811	2030	347	60	6.3	3.4	35	25	222
11	56	98	60	1420	2270	319	54	5.5	6.3	28	21	288
12	56	90	57	1380	2210	292	49	4.9	8.0	27	17	371
13	61	83	92	1200	2000	267	48	5.4	8.3	97	16	336
14	60	77	280	1050	1760	433	46	7.1	8.6	139	26	284
15	55	72	331	905	1530	701	43	6.8	8.2	100	26	230
16	50	68	282	785	1320	817	40	5.9	7.4	62	23	175
17	47	64	263	687	1130	789	37	5.2	6.7	41	20	137
18	44	59	243	609	993	692	34	4.8	10	33	17	108
19	42	56	210	599	899	587	33	4.6	11	27	18	90
20	43	55	174	616	789	510	31	7.5	28	22	155	75
21	40	54	146	554	685	486	32	9.6	97	17	309	64
22	37	55	124	491	603	483	34	8.4	114	14	290	55
23	36	54	108	441	538	433	32	7.1	67	12	179	57
24	35	51	98	402	488	375	30	6.1	44	11	105	59
25	35	49	90	363	438	332	27	5.2	32	11	70	54
26	34	47	81	335	390	296	25	4.5	25	13	50	48
27	40	45	72	325	350	266	24	3.9	20	15	40	43
28	63	43	68	289	320	239	21	3.4	15	19	38	38
29	84	42	65	251	---	211	18	2.9	30	18	52	34
30	95	41	62	228	---	186	16	3.7	33	15	132	32
31	177	---	58	207	---	165	---	9.1	---	14	165	---
TOTAL	2055	3432	3718	18086	25827	12838	1652	219.3	650.7	1208	2034	4394
MEAN	66.3	114	120	583	922	414	55.1	7.07	21.7	39.0	65.6	146
MAX	177	316	331	1420	2270	817	148	14	114	139	309	371
MIN	34	41	45	77	145	165	16	2.9	3.4	11	12	32
CFSM	.41	.71	.75	3.64	5.76	2.59	.34	.04	.14	.24	.41	.91
IN.	.48	.80	.86	4.20	6.00	2.98	.38	.05	.15	.28	.47	1.02

CAL YR 1985	TOTAL	25683.11	MEAN	70.4	MAX	850	MIN	.00	CFSM	.44	IN.	5.97
WTR YR 1986	TOTAL	76114.0	MEAN	209	MAX	2270	MIN	2.9	CFSM	1.31	IN.	17.70

02231000 ST MARYS RIVER NEAR MACCLENNY, FL
(National stream-quality accounting network station)

LOCATION.--Lat 30°21'31", long 82°04'54", in NWS sec.2, T.2 S., R.22 E., Baker County, 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 mi^2, approximately, includes part of watershed in Okefenokee Swamp which is indeterminate.

WATER-DISCHARGE RECORDS

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.--No estimated daily discharges. Records good.
AVERAGE DISCHARGE.--60 years, 674 ft^3/s, 13.08 in/yr.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 28,100 ft^3/s, Sept. 25, 1947; maximum gage height, 23.25 ft, Sept. 13, 1964, from floodmark; minimum discharge observed, 12 ft^3/s, May 22, 1932; minimum gage height observed, 0.04 ft, June 4, 5, 1927.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 2,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Jan. 12	2400	5,420	14.76	Mar. 17	0800	3,170	12.71
Feb. 12	2300	*5,770	*15.18				

Minimum discharge, 32 ft^3/s, Aug. 3, gage height, 1.17 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	491	561	222	428	708	833	589	81	36	99	37	538
2	577	802	274	562	657	789	532	76	41	92	36	565
3	553	881	346	590	613	738	482	72	45	85	33	494
4	491	1010	337	575	573	722	437	69	46	92	36	411
5	441	1090	307	1220	544	1070	394	65	49	108	43	430
6	404	965	287	2020	1140	1390	356	63	47	142	98	723
7	362	813	273	2340	2020	1350	322	60	45	135	105	1040
8	321	686	255	2330	2560	1170	292	66	41	172	97	985
9	296	582	239	2270	3420	1020	264	82	37	184	101	916
10	278	511	226	2330	4680	918	237	78	36	149	115	862
11	275	459	215	3410	5340	844	213	66	43	129	90	884
12	281	419	206	5150	5690	789	196	59	56	109	70	934
13	276	382	220	5350	5670	744	187	60	56	96	59	959
14	267	352	1020	4860	5270	1360	180	64	58	110	64	833
15	257	325	1760	4200	4590	2470	170	66	57	161	118	685
16	239	302	1790	3580	3980	2960	159	61	67	144	124	544
17	222	280	1570	3050	3440	3130	148	57	61	123	100	442
18	207	261	1390	2640	2950	2930	139	53	53	99	83	363
19	199	243	1250	2340	2570	2600	131	52	53	84	72	307
20	209	232	1110	2130	2280	2240	126	69	67	70	102	262
21	216	233	979	1960	1990	1950	136	105	101	59	245	223
22	198	239	874	1760	1740	1770	156	96	174	50	389	193
23	187	242	788	1540	1530	1640	146	82	195	43	380	177
24	173	239	717	1360	1370	1470	129	68	160	39	305	185
25	164	229	655	1210	1230	1290	121	58	137	44	238	176
26	165	218	591	1090	1090	1130	113	51	121	42	190	157
27	197	208	534	1030	979	996	105	47	105	40	155	142
28	252	198	487	973	894	891	98	43	96	43	136	136
29	304	191	450	890	---	805	91	40	87	43	144	126
30	391	187	416	817	---	730	85	38	83	44	292	115
31	442	---	386	760	---	659	---	36	---	41	474	---
TOTAL	9335	13340	20174	64765	69518	43398	6734	1983	2253	2871	4531	14807
MEAN	301	445	651	2089	2483	1400	224	64.0	75.1	92.6	146	494
MAX	577	1090	1790	5350	5690	3130	589	105	195	184	474	1040
MIN	164	187	206	428	544	659	85	36	36	39	33	115
CFSM	.43	.64	.93	2.98	3.55	2.00	.32	.09	.11	.13	.21	.71
IN.	.50	.71	1.07	3.44	3.69	2.31	.36	.11	.12	.15	.24	.79

CAL YR 1985	TOTAL	185674	MEAN	509	MAX	4830	MIN	24	CFSM	.73	IN.	9.87
WTR YR 1986	TOTAL	253709	MEAN	695	MAX	5690	MIN	33	CFSM	.99	IN.	13.48

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

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.03	5.13	3.08	4.40	5.90	6.56	5.32	1.84	1.25	1.95	1.23	5.02
2	5.58	6.40	3.46	5.15	5.63	6.33	5.04	1.79	1.31	1.88	1.22	5.16
3	5.43	6.81	3.92	5.29	5.41	6.06	4.77	1.74	1.36	1.81	1.18	4.78
4	5.02	7.45	3.87	5.21	5.20	5.97	4.53	1.70	1.36	1.88	1.23	4.30
5	4.69	7.83	3.68	8.31	5.05	7.71	4.30	1.66	1.39	2.04	1.32	4.41
6	4.43	7.23	3.55	10.99	7.92	9.07	4.09	1.62	1.37	2.37	1.94	5.98
7	4.15	6.46	3.45	11.63	10.85	8.93	3.90	1.59	1.34	2.30	2.01	7.59
8	3.85	5.78	3.33	11.60	11.85	8.20	3.72	1.65	1.29	2.66	1.93	7.33
9	3.66	5.25	3.22	11.47	12.97	7.51	3.54	1.86	1.24	2.77	1.97	6.98
10	3.52	4.87	3.12	11.55	14.15	7.00	3.36	1.81	1.22	2.44	2.11	6.71
11	3.49	4.58	3.04	13.00	14.68	6.62	3.20	1.67	1.32	2.24	1.86	6.83
12	3.55	4.34	2.96	14.56	15.08	6.34	3.05	1.57	1.48	2.05	1.64	7.07
13	3.51	4.13	3.06	14.68	15.05	6.10	2.99	1.58	1.48	1.92	1.51	7.20
14	3.43	3.96	7.39	14.30	14.62	8.76	2.93	1.64	1.50	2.06	1.58	6.56
15	3.35	3.79	10.41	13.73	14.07	11.70	2.83	1.67	1.48	2.56	2.14	5.78
16	3.22	3.64	10.51	13.14	13.54	12.46	2.70	1.60	1.61	2.39	2.19	5.05
17	3.09	3.50	9.83	12.57	13.00	12.67	2.58	1.54	1.54	2.19	1.96	4.48
18	2.97	3.37	9.19	12.00	12.45	12.40	2.48	1.49	1.45	1.95	1.78	4.02
19	2.91	3.24	8.58	11.49	11.88	11.88	2.40	1.47	1.45	1.79	1.67	3.68
20	2.99	3.16	7.91	11.11	11.38	11.24	2.34	1.70	1.60	1.65	1.98	3.38
21	3.04	3.17	7.30	10.76	10.83	10.66	2.45	2.12	1.97	1.51	3.21	3.10
22	2.89	3.21	6.78	10.22	10.18	10.18	2.68	2.02	2.67	1.40	4.18	2.85
23	2.79	3.24	6.33	9.59	9.56	9.80	2.57	1.86	2.87	1.32	4.12	2.71
24	2.67	3.22	5.95	8.97	9.01	9.26	2.38	1.69	2.55	1.26	3.66	2.78
25	2.59	3.14	5.62	8.36	8.44	8.59	2.30	1.56	2.32	1.32	3.20	2.70
26	2.60	3.06	5.30	7.83	7.84	7.90	2.21	1.46	2.17	1.30	2.82	2.52
27	2.89	2.98	4.99	7.56	7.30	7.29	2.12	1.40	2.01	1.28	2.49	2.37
28	3.31	2.90	4.73	7.27	6.88	6.80	2.05	1.35	1.92	1.31	2.31	2.31
29	3.65	2.84	4.52	6.86	---	6.38	1.97	1.31	1.82	1.31	2.39	2.21
30	4.19	2.80	4.33	6.48	---	6.01	1.90	1.28	1.78	1.33	3.53	2.11
31	4.48	---	4.16	6.18	---	5.66	---	1.26	---	1.29	4.66	---
MEAN	3.64	4.38	5.41	9.88	10.38	8.45	3.09	1.63	1.67	1.86	2.29	4.60
MAX	5.58	7.83	10.51	14.68	15.08	12.67	5.32	2.12	2.87	2.77	4.66	7.59
MIN	2.59	2.80	2.96	4.40	5.05	5.66	1.90	1.26	1.22	1.26	1.18	2.11

CAL YR 1985	MEAN	4.29	MAX	14.82	MIN	1.04
WTR YR 1986	MEAN	4.74	MAX	15.08	MIN	1.18

02231000 ST MARYS RIVER NEAR MACCLENNY, FLA.-Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1965 to current year. Discontinued.
PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: March 1965 to October 1969, January 1974 to September 1981.
WATER TEMPERATURE: March 1965 to October 1969, January 1974 to September 1976.
EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum daily, 204 microsiemens, Mar. 31, 1974; minimum daily, 25 microsiemens, Jan. 7, 1975.
WATER TEMPERATURES: Maximum daily, 30.0°C, July 28, 1966, several days during August and September 1976; minimum daily, 6.0°C, Jan. 21, 1966, Jan. 17, 19-21, 1968.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	GAGE HEIGHT (FEET ABOVE DATUM)	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	PH (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	TUR-BID-ITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)
NOV												
25...	1030	3.15	226	60	5.70	20.5	2.0	--	--	--	3.5	1.5
MAR												
18...	1130	12.44	3010	36	4.30	19.0	3.5	--	120	73	2.6	0.7
MAY												
28...	1000	1.36	42	86	6.90	27.0	2.0	6.7	10	15	6.3	2.8
AUG												
19...	0900	1.68	78	72	6.46	27.0	1.6	6.3	130	15	5.2	2.3

DATE	SODIUM, DIS-SOLVED (MG/L AS NA)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY LAB (MG/L AS CACO3)	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)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)
NOV												
25...	4.9	0.5	3.0	10	13	<0.1	9.4	82	<0.10	2.00	0.6	0.05
MAR												
18...	3.2	0.4	<3.0	--	--	<0.1	3.3	--	<0.10	0.05	0.8	0.03
MAY												
28...	4.9	1.4	21	13	8.0	<0.1	5.9	75	0.17	0.14	0.8	0.12
AUG												
19...	5.0	0.8	13	15	7.9	<0.1	8.3	83	0.12	0.02	<0.2	0.13

DATE	PHOS-PHORUS, DIS-SOLVED (MG/L AS P)	PHOS-PHORUS, ORTHO, DIS-SOLVED (MG/L AS P)	ALUM-INUM, DIS-SOLVED (UG/L AS AL)	ARSENIC DIS-SOLVED (UG/L AS AS)	BARIUM, DIS-SOLVED (UG/L AS BA)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE)	CADMIUM DIS-SOLVED (UG/L AS CD)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR)	COBALT, DIS-SOLVED (UG/L AS CO)	COPPER, DIS-SOLVED (UG/L AS CU)	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, DIS-SOLVED (UG/L AS PB)
NOV												
25...	0.05	0.05	310	<1	26	<0.5	1	<1	<3	28	760	6
MAR												
18...	0.03	0.03	420	<1	19	<0.5	<1	<1	<3	25	530	1
MAY												
28...	0.09	0.06	130	1	25	<0.5	<1	<1	<3	3	310	3
AUG												
19...	0.11	0.08	290	4	26	<0.5	<1	<1	<3	8	480	<5

DATE	LITHIUM DIS-SOLVED (UG/L AS LI)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MERCURY DIS-SOLVED (UG/L AS HG)	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)	ZINC, DIS-SOLVED (UG/L AS ZN)	SEDI-MENT, SUS-PENDED (MG/L)	SUSP. SIEVE DIAM. % FINER THAN .062 MM
NOV												
25...	<4	13	<0.1	<10	5	<1	<1	27	<6	120	--	--
MAR												
18...	<4	10	--	<10	1	<1	<1	20	<6	63	12	25
MAY												
28...	<4	3	--	<10	10	<1	<1	34	<6	21	5	60
AUG												
19...	<4	6	--	<10	<1	<1	<1	44	<6	33	--	--

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 mi^2, 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 Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen is by the U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM)	SPECIFIC CONDUCTANCE LAB (US/CM)	PH (STANDARD UNITS)	PH LAB (STANDARD UNITS)	TEMPERATURE (DEG C)	TEMPERATURE, AIR (DEG C)	OXYGEN, DISSOLVED (MG/L)	OXYGEN, DISSOLVED (PERCENT SATURATION)
NOV									
07...	1430	58	52	4.90	4.60	18.5	23.0	4.8	51
13...	1530	52	57	5.00	4.70	21.0	30.5	5.0	55
DEC									
05...	1615	58	54	5.40	5.40	15.0	21.0	4.8	47
JAN									
09...	1600	47	44	4.70	4.70	10.0	12.0	6.4	56
FEB									
06...	1645	52	43	5.30	5.20	15.5	20.5	5.3	53
MAR									
06...	1440	49	41	4.80	4.70	14.0	22.0	5.7	55
APR									
09...	1355	56	48	5.90	5.60	21.5	27.5	3.8	43
MAY									
08...	1430	83	75	6.80	6.80	23.5	34.0	3.3	39
JUN									
11...	1410	97	93	6.80	6.60	27.5	32.0	2.9	36
JUL									
09...	1440	71	64	6.60	6.50	28.5	39.0	3.1	40
AUG									
13...	1455	66	63	6.60	6.70	28.5	29.0	3.8	49
SEP									
10...	1440	54	55	4.70	4.50	24.5	23.0	4.5	--

DATE	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (NTU)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	COLIFORM, FECAL, EC BROTH (MPN)	ALKALINITY LAB (MG/L AS CACO3)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)	TANNIN AND LIGNIN (MG/L)
NOV										
07...	250	7.0	1.6	90	2.0	<0.020	0.080	0.050	49	4.4
13...	250	3.0	1.4	60	2.0	<0.020	<0.020	0.050	35	4.3
DEC										
05...	240	4.0	2.2	130	4.0	0.020	0.080	0.040	32	4.8
JAN										
09...	210	5.0	1.3	260	1.0	<0.020	0.070	0.060	28	4.2
FEB										
06...	240	8.0	--	--	3.0	0.050	0.090	0.040	26	0.37
MAR										
06...	200	7.0	1.0	1300	2.0	0.060	0.090	0.060	29	4.1
APR										
09...	260	2.0	1.5	--	5.0	0.050	0.080	0.050	30	5.5
MAY										
08...	190	5.0	1.8	<20	18	0.130	0.140	0.050	24	3.9
JUN										
11...	--	--	--	--	21	0.050	0.090	0.040	12	2.4
JUL										
09...	210	5.0	2.3	170	12	0.120	0.040	0.080	29	4.6
AUG										
13...	180	1.0	0.9	70	12	<0.020	0.060	0.080	--	3.8
SEP										
10...	360	4.0	1.5	--	<1.0	<0.020	0.040	0.040	39	5.1

02231253 ST MARYS RIVER NEAR GROSS, FLA.

LOCATION.--Lat 30°44'29", long 81°41'17", in land grant 41, T.4 N., R.26 E., Nassau County, Hydrologic Unit 03070204, at Florida-Georgia state line, near center of span on upstream side of bridge on U.S. Highway 17, 1.8 mi downstream from Little St Marys River, 2.1 mi north of Gross, and 21 mi upstream from mouth.

DRAINAGE AREA.--1,360 mi^2, approximately.

PERIOD OF RECORD.--April 1966 to May 1975, October 1980 to September 1983, October 1984 to current year (daily discharge and/or gage heights) incomplete.

GAGE.--Water-stage and electromagnetic flowmeter recorders. Datum of gage is 10.00 ft below National Geodetic Vertical Datum of 1929. April 1966 to August 1975 water-stage and deflection meter recorder at same site and datum.

REMARKS.--Records poor. Discharge computed from continuous electromagnetic flowmeter record and represents net of much larger upstream and downstream discharges. The stage record published is the maximum and minimum tide event for each calender day. Discharge for April 1-30, July 1 to August 31, 1985 and January 1 to July 31, 1986 not published due to faulty velocity record.

AVERAGE DISCHARGE.--8 years (1967-72, 1981-82), 1,280 ft^3/s, 928,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 17,300 ft^3/s, Nov. 2, 1969; maximum gage height, 14.60 ft, Nov. 1, 1969; maximum daily reverse flow, 5,780 ft^3/s, Aug. 28, 1982; minimum gage height, 5.63 ft Feb. 13, 1971.

EXTREMES FOR CURRENT YEARS.--

Water Year 1985: maximum daily discharge, 8,670 ft^3/s, Mar. 24; maximum gage height, 14.41 ft, Nov. 23, Sept. 16; maximum daily reverse flow, 3,160 ft^3/s, Mar. 25; minimum gage height, 7.18 ft, June 16.

Water Year 1986: maximum daily discharge, 7,170 ft^3/s, Oct. 28; maximum gage height, 14.34 ft, Oct. 30; maximum daily reverse flow, 880 ft^3/s, Aug. 29; minimum gage height, 7.83 ft, Apr. 7.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1660	1880	-907	1500	2260	1150	---	1700	3280	---	---	2000
2	-92	1770	-958	1450	1920	1700	---	1800	2860	---	---	30
3	1420	-75	355	1240	2300	1310	---	3470	3710	---	---	1250
4	1430	3210	884	963	2670	1120	---	3170	3740	---	---	2570
5	791	2100	1280	503	3890	2170	---	4120	3320	---	---	1630
6	1760	2050	864	2230	2610	2470	---	3500	2880	---	---	1850
7	3280	1740	800	2660	3070	3910	---	3580	3430	---	---	1930
8	2210	2430	1440	2470	1740	4400	---	2970	3030	---	---	283
9	4080	2520	404	2570	2030	2650	---	3430	3090	---	---	1110
10	3870	1790	990	3580	2060	3020	---	3250	2170	---	---	498
11	3310	2440	837	3910	1690	3100	---	3130	2040	---	---	343
12	3430	1150	1940	3320	2150	3070	---	2600	1880	---	---	1080
13	2500	442	1300	3980	187	2690	---	2310	878	---	---	977
14	926	311	1360	3870	-388	2090	---	2340	2120	---	---	2710
15	293	-1670	1750	2460	559	1160	---	1440	2000	---	---	667
16	411	-241	984	2430	629	2260	---	2380	2200	---	---	-808
17	710	-1280	733	2270	986	2280	---	2790	2400	---	---	-106
18	-204	-814	2130	2160	59	2970	---	2220	2600	---	---	2400
19	-940	358	1870	2010	1410	1860	---	3420	2800	---	---	-369
20	-1340	723	1870	601	1970	830	---	3250	3060	---	---	473
21	-182	3420	2660	2250	2720	270	---	3730	3570	---	---	324
22	396	3870	2840	2250	1290	2040	---	3510	3700	---	---	30
23	1540	5420	2020	2110	893	5080	---	3080	3930	---	---	-418
24	2480	5400	2410	3350	729	8670	---	3330	4050	---	---	667
25	3310	4550	2510	2150	1300	-3160	---	3270	4630	---	---	318
26	3410	1650	2530	2030	1750	1300	---	3450	3800	---	---	1590
27	2730	-191	3450	2490	1080	1200	---	3260	2030	---	---	2570
28	1820	193	2510	2550	227	1100	---	2960	2330	---	---	1270
29	2040	677	1800	2230	---	1000	---	2640	3740	---	---	2070
30	1360	-493	1700	2780	---	1300	---	1370	3670	---	---	1930
31	1690	---	1600	2980	---	1400	---	2770	---	---	---	---
TOTAL	50099	45330	45956	73347	43791	66410	---	90240	88938	---	---	30869
MEAN	1616	1511	1482	2366	1564	2142	---	2911	2965	---	---	1029
MAX	4080	5420	3450	3980	3890	8670	---	4120	4630	---	---	2710
MIN	-1340	-1670	-958	503	-388	-3160	---	1370	878	---	---	-808

NOTE.--Negative figures indicate flow upstream.

02231253 ST MARYS RIVER NEAR GROSS, FLA.--Continued

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
TIDAL HIGH VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13.51	13.31	12.55	12.71	12.46	12.85	---	12.95	13.16	---	---	14.05
2	13.55	13.20	12.74	12.76	12.64	12.81	---	13.07	12.59	---	---	13.78
3	13.50	13.64	12.85	12.89	12.75	12.71	---	13.25	13.25	---	---	13.55
4	13.31	13.71	12.85	13.05	13.46	13.08	---	13.38	13.31	---	---	13.40
5	13.40	13.50	13.31	12.50	13.64	13.00	---	13.83	13.29	---	---	13.19
6	13.61	13.11	13.27	13.10	13.44	13.35	---	13.58	13.09	---	---	13.08
7	13.71	13.50	12.95	13.09	13.19	13.60	---	13.31	12.99	---	---	13.14
8	13.80	13.55	12.90	12.95	13.21	13.21	---	13.10	13.01	---	---	13.20
9	13.84	13.55	12.95	13.43	13.07	13.20	---	13.38	12.69	---	---	13.21
10	13.95	13.45	12.94	13.46	13.00	13.05	---	13.11	12.56	---	---	13.25
11	14.00	13.10	12.95	13.20	13.08	13.29	---	12.91	12.41	---	---	13.30
12	13.74	13.20	13.14	13.11	12.44	13.01	---	12.86	12.14	---	---	13.81
13	13.38	13.28	13.15	13.06	11.75	12.59	---	12.77	12.59	---	---	13.85
14	13.37	13.15	12.95	12.93	12.40	12.65	---	12.71	12.75	---	---	14.31
15	13.41	13.21	13.10	12.39	12.58	12.54	---	12.89	12.65	---	---	14.35
16	13.40	12.91	13.01	12.94	12.74	12.95	---	12.98	12.56	---	---	14.41
17	13.18	13.11	13.05	13.06	12.77	13.04	---	12.89	12.39	---	---	14.25
18	13.07	13.25	13.25	12.85	12.71	12.70	---	13.08	12.59	---	---	13.95
19	13.09	13.04	13.31	12.79	12.80	12.80	---	12.60	12.60	---	---	13.95
20	13.24	13.31	13.39	12.86	12.77	12.75	---	13.10	12.70	---	---	13.80
21	13.31	13.94	13.50	12.82	12.98	12.95	---	13.10	12.75	---	---	13.65
22	13.36	14.21	13.40	12.46	12.80	12.94	---	12.97	12.91	---	---	13.65
23	13.48	14.41	13.30	12.65	12.54	13.11	---	12.99	12.85	---	---	13.61
24	13.57	14.21	13.45	12.40	12.51	12.91	---	12.77	12.77	---	---	13.49
25	13.71	13.78	13.19	12.23	12.35	12.65	---	12.81	13.14	---	---	13.75
26	13.95	13.45	13.21	12.29	12.20	12.44	---	13.05	13.44	---	---	13.91
27	13.75	13.24	13.11	12.20	12.15	12.91	---	13.00	13.41	---	---	13.70
28	13.45	12.89	12.81	12.21	12.18	12.55	---	12.81	13.30	---	---	13.61
29	13.21	12.78	12.51	12.37	---	12.69	---	12.68	13.21	---	---	13.58
30	13.11	12.68	12.44	12.61	---	12.30	---	13.11	13.30	---	---	13.71
31	13.27	---	12.44	12.72	---	12.25	---	13.32	---	---	---	---
MEAN	13.49	13.39	13.03	12.78	12.74	12.87	---	13.04	12.88	---	---	13.68
MAX	14.00	14.41	13.50	13.46	13.64	13.60	---	13.83	13.44	---	---	14.41
MIN	13.07	12.68	12.44	12.20	11.75	12.25	---	12.60	12.14	---	---	13.08

02231253 ST MARYS RIVER NEAR GROSS, FLA.--Continued

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
TIDAL LOW VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.85	10.28	8.90	8.64	7.70	8.80	---	8.00	7.50	---	---	11.58
2	10.11	10.14	8.71	8.77	7.59	9.01	---	8.17	7.51	---	---	10.98
3	9.98	10.24	8.99	8.47	7.36	7.99	---	7.95	7.79	---	---	10.75
4	9.79	11.44	8.60	8.38	8.67	8.61	---	9.69	8.21	---	---	10.31
5	9.54	10.58	9.34	7.53	9.59	8.14	---	9.19	8.10	---	---	9.81
6	10.09	9.60	8.85	8.01	8.91	7.38	---	8.45	8.10	---	---	9.54
7	10.61	9.70	7.70	8.28	8.36	9.48	---	7.89	8.40	---	---	9.41
8	10.91	10.24	8.15	7.61	8.20	8.57	---	8.54	8.71	---	---	9.45
9	11.14	10.10	7.80	8.48	8.60	7.89	---	9.04	8.49	---	---	9.34
10	11.38	9.80	7.81	9.38	8.67	8.34	---	8.90	8.25	---	---	9.14
11	11.54	9.04	7.81	9.11	8.81	8.27	---	9.01	7.95	---	---	8.80
12	10.90	8.74	8.45	8.48	7.21	7.35	---	9.08	7.35	---	---	9.61
13	10.04	9.21	8.70	8.79	7.21	7.89	---	8.90	7.49	---	---	11.24
14	9.85	9.08	8.61	7.29	8.01	7.61	---	8.79	8.29	---	---	11.84
15	10.00	9.21	8.75	7.64	7.60	8.45	---	8.64	7.98	---	---	12.04
16	10.14	9.00	9.20	8.85	7.61	8.78	---	8.90	7.18	---	---	11.91
17	9.59	8.89	8.90	8.45	7.68	8.65	---	8.41	7.20	---	---	11.64
18	9.00	9.55	8.74	7.28	7.51	8.31	---	8.65	7.87	---	---	11.15
19	8.81	8.74	8.60	7.45	7.81	8.40	---	8.59	7.75	---	---	10.81
20	8.96	8.14	8.64	7.59	7.78	8.29	---	8.85	7.61	---	---	10.64
21	9.07	9.90	8.51	7.24	8.74	8.31	---	8.24	8.04	---	---	10.25
22	9.21	10.80	8.65	7.25	7.99	8.88	---	8.44	8.40	---	---	10.20
23	9.38	11.35	8.14	7.24	7.84	8.79	---	8.38	8.64	---	---	10.20
24	9.50	11.40	9.00	7.29	7.88	8.60	---	8.05	8.63	---	---	9.71
25	9.64	10.44	9.04	7.24	7.70	7.74	---	8.94	8.03	---	---	10.10
26	10.29	9.44	8.69	7.24	7.71	8.40	---	9.11	8.97	---	---	11.14
27	10.10	9.20	9.41	8.04	7.79	8.20	---	8.78	8.82	---	---	10.71
28	9.44	9.08	8.88	8.30	8.40	9.40	---	8.38	8.19	---	---	10.38
29	9.00	8.84	8.50	8.91	---	8.65	---	7.70	7.72	---	---	10.50
30	9.10	9.04	8.30	8.80	---	8.19	---	8.01	7.99	---	---	10.85
31	9.50	---	8.79	8.90	---	7.84	---	8.54	---	---	---	---
MEAN	9.89	9.71	8.62	8.09	8.03	8.36	---	8.59	8.04	---	---	10.47
MAX	11.54	11.44	9.41	9.38	9.59	9.48	---	9.69	8.97	---	---	12.04
MIN	8.81	8.14	7.70	7.24	7.21	7.35	---	7.70	7.18	---	---	8.80

02231253 ST MARYS RIVER NEAR GROSS, FLA.--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1890	5090	3340	---	---	---	---	---	---	---	1000	1800
2	1110	4700	4410	---	---	---	---	---	---	---	873	2060
3	1540	2900	3520	---	---	---	---	---	---	---	900	2780
4	2570	5420	3870	---	---	---	---	---	---	---	665	2070
5	2390	3590	2880	---	---	---	---	---	---	---	1030	2500
6	2130	2760	2650	---	---	---	---	---	---	---	1190	2120
7	1890	3290	2540	---	---	---	---	---	---	---	1210	2670
8	1500	2180	2710	---	---	---	---	---	---	---	1350	2760
9	1160	2630	3770	---	---	---	---	---	---	---	1380	2790
10	3390	1440	3540	---	---	---	---	---	---	---	1020	3370
11	1360	3800	4790	---	---	---	---	---	---	---	876	2660
12	2890	2830	4790	---	---	---	---	---	---	---	429	2250
13	5560	3480	4000	---	---	---	---	---	---	---	120	777
14	6700	3360	2990	---	---	---	---	---	---	---	750	-15
15	6270	3400	3780	---	---	---	---	---	---	---	-824	2110
16	6070	3520	3230	---	---	---	---	---	---	---	-473	2040
17	6150	3410	2760	---	---	---	---	---	---	---	798	1570
18	6700	1960	3350	---	---	---	---	---	---	---	1160	2490
19	6690	2760	3990	---	---	---	---	---	---	---	1200	2720
20	4420	1270	2930	---	---	---	---	---	---	---	1570	2470
21	3980	661	2890	---	---	---	---	---	---	---	1700	2110
22	3340	2080	2560	---	---	---	---	---	---	---	1570	1380
23	3840	2810	1800	---	---	---	---	---	---	---	1290	1400
24	5160	4070	1630	---	---	---	---	---	---	---	1550	1800
25	4990	4830	2660	---	---	---	---	---	---	---	1040	1430
26	5400	4630	2430	---	---	---	---	---	---	---	1740	964
27	6850	3840	1930	---	---	---	---	---	---	---	1810	708
28	7170	3590	2410	---	---	---	---	---	---	---	1620	99
29	6160	3560	3140	---	---	---	---	---	---	---	-880	-470
30	5570	3190	3250	---	---	---	---	---	---	---	2040	1030
31	5880	---	3040	---	---	---	---	---	---	---	2390	---
TOTAL	130720	97051	97580	---	---	---	---	---	---	---	32094	54443
MEAN	4217	3235	3148	---	---	---	---	---	---	---	1035	1815
MAX	7170	5420	4790	---	---	---	---	---	---	---	2390	3370
MIN	1110	661	1630	---	---	---	---	---	---	---	-880	-470

02231253 ST MARYS RIVER NEAR GROSS, FLA.--Continued

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
TIDAL HIGH VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13.54	13.45	13.24	12.68	12.76	13.22	13.04	13.19	13.11	12.78	12.73	13.55
2	13.41	13.25	12.91	12.98	12.68	12.99	12.94	12.76	13.06	12.69	12.65	13.70
3	13.21	13.45	13.12	12.80	12.65	12.68	12.90	13.19	13.44	12.98	12.58	13.64
4	12.84	12.96	13.17	12.79	12.80	12.42	13.00	13.22	13.54	13.42	12.73	13.54
5	12.85	12.75	13.13	13.11	12.91	12.70	13.01	12.92	13.64	13.18	12.88	13.57
6	13.25	13.01	12.76	13.19	13.04	12.91	12.90	12.84	13.52	13.11	12.88	13.53
7	13.41	13.09	12.98	13.23	13.07	12.85	12.82	12.91	13.23	13.09	12.93	13.72
8	13.71	13.35	13.16	13.93	13.36	13.19	12.96	13.04	13.05	13.02	12.86	13.66
9	13.81	13.55	13.34	13.76	13.60	13.18	13.12	13.66	12.98	12.92	12.75	13.60
10	13.84	13.69	13.46	13.82	13.81	13.03	13.15	13.74	13.05	12.76	12.66	13.48
11	13.40	13.71	13.49	14.18	13.73	12.75	13.18	13.58	13.19	12.68	12.67	13.20
12	13.71	13.70	13.35	13.90	13.40	12.77	13.00	13.27	12.99	12.69	12.80	12.93
13	13.85	13.61	13.29	13.44	13.38	12.86	13.03	13.02	12.73	12.49	12.90	13.13
14	14.00	13.55	12.76	13.32	13.36	13.02	13.14	13.19	12.65	12.42	12.73	13.56
15	13.94	13.51	13.40	13.18	13.04	12.89	13.06	13.13	12.81	12.67	13.09	13.47
16	13.81	13.41	13.30	13.23	13.16	12.83	12.70	13.03	12.84	12.83	13.30	13.51
17	13.89	13.28	13.10	13.10	13.13	12.88	12.73	12.94	12.98	12.97	13.25	13.81
18	13.98	13.15	12.79	12.86	13.00	12.74	12.76	12.87	13.17	13.04	13.24	13.93
19	13.74	13.17	12.68	13.12	12.98	12.64	13.05	12.95	13.55	13.17	13.23	13.65
20	13.45	12.95	12.73	12.72	13.17	12.17	13.24	13.08	13.58	13.39	13.26	13.38
21	13.37	12.87	12.55	12.65	13.46	12.79	13.15	13.34	13.75	13.40	13.25	13.02
22	13.41	12.76	12.75	12.95	13.35	13.30	13.20	13.50	13.84	13.31	12.99	12.99
23	13.49	12.89	12.57	12.98	13.52	13.31	13.57	13.58	13.86	13.29	12.98	13.10
24	13.46	13.27	12.52	13.66	13.67	13.17	13.64	13.47	13.61	13.23	13.05	12.85
25	13.55	13.31	12.47	13.73	13.62	13.42	13.65	13.44	13.31	13.17	13.16	12.51
26	14.01	13.17	12.44	13.61	13.64	13.49	13.53	13.46	13.33	12.98	13.00	12.41
27	14.01	12.98	12.38	12.57	13.16	13.48	13.61	13.52	13.39	12.72	12.66	12.42
28	14.11	12.93	12.51	12.59	13.01	13.51	13.57	13.44	13.07	12.67	12.39	12.69
29	14.31	12.95	12.74	12.69	---	13.61	13.40	13.25	12.87	12.62	13.17	13.12
30	14.34	12.97	12.83	12.69	---	13.47	13.26	13.20	12.85	12.59	13.41	13.05
31	14.01	---	12.89	12.79	---	13.25	---	13.13	---	12.83	13.38	---
MEAN	13.67	13.22	12.93	13.17	13.23	13.02	13.14	13.22	13.23	12.94	12.95	13.29
MAX	14.34	13.71	13.49	14.18	13.81	13.61	13.65	13.74	13.86	13.42	13.41	13.93
MIN	12.84	12.75	12.38	12.57	12.65	12.17	12.70	12.76	12.65	12.42	12.39	12.41

WTR YR 1986 MEAN 13.17 MAX 14.34 MIN 12.17

02231253 ST MARYS RIVER NEAR GROSS, FLA.--Continued

GAGE HEIGHT, IN FEET ABOVE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
TIDAL LOW VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10.45	10.21	8.85	8.25	8.05	8.39	8.33	8.73	9.29	8.30	8.34	10.02
2	10.14	9.61	9.18	8.87	7.84	8.13	8.44	8.25	8.75	7.99	8.04	10.30
3	9.85	9.95	8.74	8.22	7.85	7.87	8.72	8.38	9.31	8.04	7.87	9.91
4	9.19	9.01	9.40	8.39	7.85	7.95	8.61	9.59	10.15	9.38	7.86	9.97
5	9.01	8.51	9.33	8.29	7.84	8.14	8.61	8.65	10.11	9.39	8.07	9.99
6	9.85	9.04	8.63	8.34	7.84	8.35	8.40	7.96	9.99	8.77	8.18	10.06
7	10.01	9.31	8.99	8.36	7.95	7.88	7.83	7.90	8.98	8.42	8.11	10.68
8	11.04	9.21	8.69	8.64	8.11	7.88	7.95	7.91	8.50	8.12	7.98	10.50
9	11.08	10.18	8.51	9.74	9.15	8.75	8.16	9.04	8.39	7.91	7.90	10.15
10	11.49	10.10	8.39	8.95	10.35	8.47	8.88	10.40	9.17	7.88	7.98	9.66
11	9.51	9.81	8.25	10.64	10.38	7.95	8.55	9.51	9.14	8.09	7.87	8.92
12	9.74	9.30	8.08	10.76	9.88	7.95	8.69	8.69	8.24	8.18	8.00	8.25
13	10.50	8.91	7.86	9.48	9.68	8.15	9.17	9.43	8.31	7.88	8.16	8.05
14	10.68	8.81	7.85	9.25	10.03	8.10	9.10	9.31	8.47	7.88	7.88	9.35
15	10.60	8.89	8.44	8.50	9.13	8.57	9.12	9.33	8.74	7.87	7.88	9.22
16	10.18	8.84	9.09	9.53	9.73	9.04	8.53	9.22	8.59	7.87	8.36	9.24
17	9.91	9.14	9.02	9.13	9.75	8.94	8.90	9.20	8.18	7.87	8.28	9.84
18	10.71	8.88	8.54	9.10	9.25	9.26	9.21	8.95	8.01	7.87	7.85	10.60
19	10.40	9.50	8.70	8.52	9.32	8.16	9.52	8.60	8.98	7.86	8.40	9.96
20	9.61	9.05	8.20	8.00	9.24	8.51	9.70	8.33	8.65	7.92	8.68	9.46
21	9.51	9.05	8.24	7.97	9.82	8.83	8.93	8.37	8.83	7.95	8.47	8.88
22	9.74	8.10	8.11	8.58	9.49	9.82	8.76	8.59	9.77	8.31	8.44	8.73
23	10.05	7.91	8.23	8.50	9.16	9.56	9.05	8.50	9.11	8.50	8.63	9.07
24	10.30	9.21	7.99	9.52	10.11	9.03	8.96	8.17	8.56	8.84	8.96	9.14
25	10.41	9.42	7.85	10.31	9.71	8.92	8.64	8.24	8.62	9.05	9.09	8.45
26	10.75	9.07	7.87	9.57	9.89	9.27	8.45	8.79	9.41	8.67	9.38	8.28
27	11.60	8.49	7.84	7.84	7.85	9.00	8.85	9.16	9.48	8.19	8.75	8.24
28	11.60	8.21	7.87	7.84	8.64	9.20	8.99	9.16	8.98	8.10	8.09	8.39
29	11.50	8.18	7.85	7.84	---	9.23	8.82	9.14	8.45	8.09	8.40	9.09
30	12.44	8.42	7.84	7.84	---	8.73	8.91	9.35	8.18	7.98	10.39	8.09
31	11.60	---	8.07	8.25	---	8.44	---	9.31	---	8.40	9.86	---
MEAN	10.43	9.08	8.40	8.81	9.07	8.60	8.76	8.84	8.91	8.24	8.39	9.35
MAX	12.44	10.21	9.40	10.76	10.38	9.82	9.70	10.40	10.15	9.39	10.39	10.68
MIN	9.01	7.91	7.84	7.84	7.84	7.87	7.83	7.90	8.01	7.86	7.85	8.05

WTR YR 1986 MEAN 8.90 MAX 12.44 MIN 7.83

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 mi^2, 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.--No estimated daily discharges. Records good. Low flow at times affected by manipulation of water level at Mixons Ferry Dam.
AVERAGE DISCHARGE.--53 years (water years 1928-31, 1938-86), 1,075 ft^3/s, 11.59 in/yr.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 13,800 ft^3/s Oct. 1, 5, 6, 1928; maximum gage height, 21.01 ft Apr. 9, 1973; no flow at times in 1931, 1943, 1954.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 2,500 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Jan. 19	1900	3,030	11.85	Feb. 20	0600	*6,310	15.25
Feb. 18	0700	(A)	*15.30				

Minimum discharge, 43 ft^3/s Aug. 2.

(A) Backwater from Suwannoochee Creek.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	884	438	413	1580	2130	4560	1980	226	72	97	47	298
2	812	496	569	1600	2060	4250	1920	213	70	93	44	261
3	753	526	567	1630	1980	3940	1850	202	67	115	48	220
4	698	556	540	1670	1900	3720	1760	188	65	113	55	191
5	648	582	529	1830	1850	3560	1680	177	63	105	66	269
6	599	605	527	1970	1940	3390	1590	166	61	94	120	264
7	557	625	523	2020	2090	3240	1480	163	60	91	126	292
8	516	638	518	2030	2240	3090	1340	159	57	90	107	291
9	484	645	511	2020	2490	2910	1210	149	55	86	89	272
10	463	647	500	2110	3250	2750	1080	139	53	79	74	265
11	449	645	490	2410	4300	2590	977	130	52	72	63	254
12	439	635	478	2660	5010	2460	885	123	50	66	60	233
13	426	622	578	2810	5370	2340	813	127	51	102	96	206
14	412	605	884	2880	5580	2400	751	124	54	161	172	182
15	398	591	971	2910	5730	2560	695	117	54	144	205	162
16	384	574	1030	2940	5840	2610	642	111	59	122	217	144
17	370	557	1110	2980	5930	2590	590	106	74	107	208	130
18	357	538	1180	3010	6110	2550	547	102	96	91	195	112
19	345	518	1260	3020	6240	2490	507	100	110	79	189	99
20	332	500	1350	3020	6290	2450	472	102	119	69	310	90
21	320	486	1440	2970	6240	2440	445	100	129	62	488	82
22	309	483	1500	2920	6160	2410	419	96	142	57	538	75
23	296	478	1540	2850	6030	2380	392	91	148	54	514	70
24	289	467	1560	2770	5870	2350	367	88	145	53	443	66
25	284	453	1580	2680	5670	2320	345	85	140	51	352	62
26	273	439	1590	2600	5430	2280	324	81	134	49	266	58
27	265	426	1600	2520	5150	2250	304	78	127	62	211	54
28	284	414	1600	2440	4850	2200	284	76	124	57	179	52
29	331	404	1600	2350	---	2160	262	73	117	52	175	51
30	348	396	1580	2280	---	2110	241	71	107	53	282	50
31	373	---	1560	2210	---	2050	---	73	---	50	316	---
TOTAL	13698	15989	31678	75690	123730	85400	26152	3836	2655	2576	6255	4855
MEAN	442	533	1022	2442	4419	2755	872	124	88.5	83.1	202	162
MAX	884	647	1600	3020	6290	4560	1980	226	148	161	538	298
MIN	265	396	413	1580	1850	2050	241	71	50	49	44	50
CFSM	.35	.42	.81	1.94	3.51	2.19	.69	.10	.07	.07	.16	.13
IN.	.40	.47	.94	2.23	3.65	2.52	.77	.11	.08	.08	.18	.14

CAL YR 1985 TOTAL 209752 MEAN 575 MAX 2770 MIN 53 CFSM .46 IN 6.19
WTR YR 1986 TOTAL 392514 MEAN 1075 MAX 6290 MIN 44 CFSM .85 IN 11.59

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 determination of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen is by the U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM)	PH (STAND-ARD UNITS)	PH LAB (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	TEMPER-ATURE, AIR (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)
DEC										
02...	0925	576	63	57	3.90	4.10	20.5	16.5	6.3	71
11...	0935	490	67	58	4.00	3.90	13.5	21.5	9.5	91
JAN										
23...	0935	2850	66	57	4.00	4.00	12.0	13.0	8.4	78
FEB										
25...	0950	5700	59	54	3.80	3.90	10.5	16.0	5.6	51
MAR										
20...	0955	2430	57	51	4.00	3.90	20.0	14.5	6.0	67
APR										
16...	1030	646	62	56	4.00	3.80	20.0	22.0	6.8	76
MAY										
22...	0840	97	66	64	4.00	3.70	23.0	20.0	6.8	80
JUN										
19...	0855	109	62	60	4.00	3.90	27.0	29.0	5.6	--
JUL										
24...	0855	53	57	64	4.00	3.90	30.0	26.5	5.5	73
AUG										
20...	0850	275	78	73	3.90	3.90	26.5	28.5	5.8	73
SEP										
18...	0930	113	68	67	3.90	4.00	26.5	29.0	5.6	70

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 LAB (MG/L AS CACO3)	SOLIDS, RESIDUE 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)
DEC											
02...	200	6.0	1.7	3300	<1.0	7	<0.020	0.070	<0.020	40	6.4
11...	250	<1.0	0.6	20	<1.0	<1	<0.020	0.040	<0.020	41	7.6
JAN											
23...	200	<1.0	0.6	60	<1.0	23	<0.020	0.030	0.330	49	5.2
FEB											
25...	200	<1.0	0.8	<20	<1.0	<1	<0.020	0.040	<0.020	34	6.7
MAR											
20...	320	<1.0	0.9	60	<1.0	8	<0.020	0.070	0.040	47	3.6
APR											
16...	300	<1.0	1.0	<20	<1.0	--	<0.020	0.050	<0.020	41	7.8
MAY											
22...	210	<1.0	0.3	20	<1.0	7	<0.020	0.100	0.040	45	7.1
JUN											
19...	150	2.0	0.8	20	<1.0	3	<0.020	0.060	0.040	35	6.2
JUL											
24...	200	2.0	0.8	<20	<1.0	1	<0.020	0.140	0.070	46	7.2
AUG											
20...	300	3.0	1.2	230	<1.0	8	<0.020	0.030	<0.020	52	7.1
SEP											
18...	350	<1.0	1.5	<20	<1.0	<1	<0.020	0.050	<0.020	49	7.4

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 mi^2.
PERIOD OF RECORD.--October 1969 to current year. Water-discharge records for water years 1937-76 are published in reports of the U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM)	PH (STAND-ARD UNITS)	PH LAB (STAND-ARD UNITS)	TEMPER-ATURE WATER (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)
MAR									
11...	0830	1.1	47	51	6.20	6.60	16.0	7.5	77
JUL									
29...	0800	0.60	90	93	6.60	6.90	27.0	4.7	60

DATE	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (NTU)	HARD-NESS (MG/L AS CACO3)	HARD-NESS NONCARB WH WAT TOT LAB 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)	PERCENT SODIUM	SODIUM AD-SORP-TION RATIO	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY LAB (MG/L AS CACO3)	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO2)
MAR												
11...	120	15	12	9	2.5	1.4	3.2	32	0.4	2.1	3.0	3.7
JUL												
29...	60	4.0	19	0	3.7	2.4	8.8	46	0.9	2.3	20	9.7

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)	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)
MAR												
11...	10	9.7	<0.10	2.2	46	34	0.14	0.06	0.100	0.120	0.050	0.070
JUL												
29...	9.0	11	<0.10	6.7	77	57	0.12	0.10	<0.100	<0.100	<0.010	0.020

DATE	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)	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)
MAR											
11...	0.85	0.63	0.90	0.70	1.0	0.040	0.010	18	410	<1	<1
JUL											
29...	--	0.48	0.80	0.50	--	0.170	0.010	12	30	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)
MAR											
11...	<1	<10	6	650	3	5	27	0.20	0.4	<1	21
JUL											
29...	<1	<10	1	570	<5	<5	62	0.20	0.2	<1	29

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, 0.2 mi west of Statenville.
DRAINAGE AREA.--1,400 mi^2, approximately.
PERIOD OF RECORD.--January to June 1921, October 1931 to current year. Monthly discharge only for October to December, 1931, published in WSP 1304.
REVISED RECORDS.--WSP 822: 1936, drainage area.
GAGE.--Water-stage recorder. Datum of gage is 76.77 ft above 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.--No estimated daily discharges. Records good. Records of chemical analyses for the water years 1968-74 are published in reports of the U.S. Geological Survey.
AVERAGE DISCHARGE.--55 years (1932-86), 1,052 ft^3/s, 10.20 in/yr.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 27,300 ft^3/s Apr. 6, 1948, gage height, 29.8 ft, from graph based on gage readings; minimum, 16 ft^3/s, Nov. 13, 14, 1954.
EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known since at least 1862, that of Apr. 6, 1948, from information by local resident.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 2,500 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Dec. 27	2100	3,720	15.39	Feb. 17	0700	*18,900	*28.58
Jan. 14	1000	2,960	12.85				

Minimum discharge, 30 ft^3/s July 21, 22.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	84	99	1370	2470	1270	3590	1300	121	56	46	40	84
2	84	108	1700	2270	1210	3070	1190	116	56	45	39	154
3	81	103	1970	2090	1150	2680	1050	112	61	51	38	249
4	78	99	2220	1970	1100	2430	935	105	65	49	41	230
5	76	114	2400	2000	1080	2270	836	101	71	54	38	196
6	71	118	2480	2030	1650	2080	745	98	69	56	43	171
7	67	102	2500	2070	2460	1890	666	97	62	52	79	152
8	62	96	2450	2070	3170	1720	595	96	57	48	58	137
9	61	93	2360	2010	4100	1570	527	90	54	44	46	132
10	59	93	2230	2120	5270	1440	464	85	56	41	39	154
11	60	93	2120	2600	6300	1330	412	82	80	39	36	170
12	60	91	2040	2770	7410	1230	372	80	79	38	34	152
13	62	90	2420	2890	9710	1150	339	77	70	36	45	133
14	64	92	3000	2950	13400	1260	307	79	72	35	67	120
15	62	93	3180	2890	14300	1470	280	76	81	34	89	111
16	60	91	3350	2770	16700	1700	256	73	78	34	80	103
17	58	88	3420	2660	18600	1890	234	70	68	33	66	97
18	59	83	3350	2580	16400	1930	213	68	63	32	55	91
19	61	81	3120	2520	13600	1890	199	67	70	31	50	87
20	60	77	2900	2440	11400	1890	189	69	75	31	51	82
21	57	80	2890	2340	9910	1980	182	68	80	31	156	76
22	54	96	3060	2210	8810	1980	174	65	75	30	168	72
23	52	134	3270	2060	7890	1900	165	61	71	36	120	70
24	52	175	3420	1930	6940	1790	157	59	62	45	95	67
25	51	174	3530	1820	6330	1680	151	58	56	47	86	62
26	49	214	3620	1750	5610	1580	147	57	53	42	75	58
27	48	361	3700	1680	4840	1510	144	55	51	54	66	55
28	47	575	3690	1600	4200	1460	138	54	49	55	62	54
29	51	821	3510	1510	---	1430	132	53	47	51	60	52
30	52	1080	3150	1420	---	1410	127	51	48	52	66	49
31	63	---	2730	1340	---	1370	---	51	---	46	78	---
TOTAL	1905	5614	87150	67830	204810	56570	12626	2394	1935	1318	2066	3420
MEAN	61.5	187	2811	2188	7315	1825	421	77.2	64.5	42.5	66.6	114
MAX	84	1080	3700	2950	18600	3590	1300	121	81	56	168	249
MIN	47	77	1370	1340	1080	1150	127	51	47	30	34	49
CFSM	.04	.13	2.01	1.56	5.23	1.30	.30	.06	.05	.03	.05	.08
IN.	.05	.15	2.32	1.80	5.44	1.50	.34	.06	.05	.04	.05	.09

CAL YR 1985 TOTAL 179462 MEAN 492 MAX 3700 MIN 47 CFSM .35 IN 4.77
WTR YR 1986 TOTAL 447638 MEAN 1226 MAX 18600 MIN 30 CFSM .88 IN 11.89

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 mi^2.
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 determination of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen is by the U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM)	PH (STAND-ARD UNITS)	PH LAB (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	TEMPER-ATURE, AIR (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)
NOV										
19...	0820	4.4	652	689	7.60	7.70	23.0	22.0	6.7	79
DEC										
09...	0845	11	270	248	7.20	7.40	14.0	11.0	10.9	107
JAN										
21...	0815	14	287	258	7.10	7.30	12.0	3.0	9.4	88
FEB										
24...	0850	19	192	180	6.90	6.90	14.5	14.0	9.2	92
MAR										
18...	0835	8.2	294	272	7.10	7.20	18.0	19.0	7.7	83
APR										
14...	0830	3.5	510	510	7.50	7.50	20.0	21.5	7.6	85
MAY										
20...	0700	4.2	560	578	7.60	7.50	22.0	19.0	6.3	73
JUN										
17...	0710	6.7	660	683	7.70	7.70	26.0	24.0	7.1	89
JUL										
22...	0655	4.4	--	761	7.70	7.80	28.0	25.0	5.7	--
AUG										
18...	0705	6.2	530	536	7.70	7.80	28.0	27.5	6.4	84
SEP										
16...	0705	5.4	910	936	7.70	7.90	26.5	23.0	6.3	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 LAB (MG/L AS CACO3)	SOLIDS, RESIDUE 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)
NOV										
19...	35	4.0	1.0	700	136	1	1.82	0.090	4.40	9.5
DEC										
09...	45	6.0	0.6	800	46	15	3.85	0.090	1.40	8.2
JAN										
21...	50	10	1.6	130	43	2	3.95	0.180	1.28	12
FEB										
24...	60	11	2.0	460	34	<1	3.15	0.160	0.890	8.1
MAR										
18...	75	10	1.0	330	53	2	2.10	0.160	1.38	18
APR										
14...	50	7.0	0.3	80	98	<1	4.25	0.180	3.23	1.1
MAY										
20...	25	9.0	1.2	640	124	<1	2.00	0.120	3.58	10
JUN										
17...	5	4.0	1.4	50	130	<1	3.05	0.160	3.85	8.9
JUL										
22...	35	1.0	1.2	220	158	10	3.06	0.120	4.64	14
AUG										
18...	5	<1.0	1.6	2200	112	3	3.70	0.080	3.75	7.2
SEP										
16...	10	1.0	3.6	--	165	2	1.37	0.100	4.19	11

02317749 WITHLACOOCHEE 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 chemical 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 is by the U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM)	PH (STAND-ARD UNITS)	PH LAB (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	TEMPER-ATURE, AIR (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)
DEC										
02...	1455	744	83	76	5.90	5.90	20.0	18.5	5.5	61
11...	1430	323	95	86	6.60	6.30	12.5	25.0	10.4	98
JAN										
23...	1430	586	69	62	6.50	5.90	12.0	16.0	8.8	82
FEB										
25...	1500	1450	52	46	6.00	5.60	15.5	17.0	6.8	69
MAR										
20...	1510	1420	60	56	6.10	5.90	20.0	13.5	6.0	67
APR										
16...	1420	71	124	122	6.50	6.50	19.0	27.0	7.6	83
MAY										
22...	1445	7.4	150	148	6.70	6.70	23.0	29.0	7.0	83
JUN										
19...	1330	70	240	236	6.60	7.20	26.0	31.0	7.2	90
JUL										
24...	1330	7.5	190	201	7.00	7.10	28.0	34.0	6.0	77
AUG										
20...	1345	237	88	88	6.40	6.80	26.0	30.0	6.0	75
SEP										
18...	1350	79	145	142	6.80	6.80	25.0	25.0	5.3	64

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 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)
DEC									
02...	200	7.0	1.8	250	7.0	<0.020	0.040	0.190	31
11...	170	5.0	1.0	70	9.0	0.080	0.060	<0.020	27
JAN									
23...	140	4.0	0.7	170	7.0	0.150	0.040	0.070	16
FEB									
25...	180	9.0	1.6	150	6.0	0.130	0.090	0.110	22
MAR									
20...	200	9.0	1.4	170	7.0	0.080	0.090	0.120	20
APR									
16...	140	6.0	1.8	80	13	0.410	0.080	0.180	17
MAY									
22...	80	3.0	1.4	<20	20	0.110	0.100	0.210	12
JUN									
19...	60	17	4.7	1700	36	<0.020	0.040	0.540	15
JUL									
24...	40	7.0	1.4	120	28	0.050	0.070	0.400	11
AUG									
20...	90	35	2.5	11000	16	0.210	0.150	0.140	8.4
SEP									
18...	160	5.0	1.4	710	25	0.290	0.070	0.330	23

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 determination of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen is by the U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM)	PH (STAND-ARD UNITS)	PH LAB (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	TEMPER-ATURE, AIR (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)
DEC										
02...	1315	1750	86	80	5.70	6.00	20.0	18.5	5.4	60
11...	1400	430	91	83	6.50	6.20	12.5	25.0	10.0	95
JAN										
23...	1400	710	67	62	6.50	6.00	12.0	15.0	9.1	85
FEB										
25...	1425	1790	53	48	6.00	5.70	16.0	14.5	6.8	70
MAR										
20...	1410	1880	56	52	6.00	5.70	20.0	16.0	5.9	66
APR										
16...	1350	32	97	95	6.50	6.60	19.0	27.0	7.4	81
MAY										
22...	1415	5.8	98	96	6.70	6.80	22.0	28.0	6.0	70
JUN										
19...	1255	10	65	64	6.50	6.40	25.5	31.5	5.4	67
JUL										
24...	1255	10	79	81	6.70	6.70	26.5	33.0	4.0	50
AUG										
20...	1245	22	55	55	6.70	6.90	26.5	29.0	5.2	66
SEP										
18...	1320	24	115	114	6.70	6.80	25.5	30.5	5.4	66

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 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)
DEC									
02...	180	8.0	1.4	330	8.0	<0.020	0.040	0.180	32
11...	200	5.0	1.1	90	9.0	0.080	0.070	0.140	28
JAN									
23...	140	5.0	1.0	1700	7.0	0.150	0.040	0.080	16
FEB									
25...	190	8.0	1.3	2300	6.0	0.140	0.120	0.120	21
MAR									
20...	160	9.0	2.2	7100	5.0	0.040	0.100	0.100	19
APR									
16...	120	7.0	1.6	460	15	0.350	0.200	0.210	14
MAY									
22...	50	7.0	1.8	3300	22	0.250	0.280	0.130	11
JUN									
19...	40	29	3.8	79000	14	0.260	0.100	0.120	9.5
JUL									
24...	60	24	1.6	330	17	0.290	0.350	0.140	9.6
AUG									
20...	75	39	3.2	23000	14	0.250	0.050	0.280	22
SEP									
18...	100	4.0	2.2	210	21	0.280	0.190	0.320	22

02318500 WITHLACOOCHEE RIVER NEAR QUITMAN, GA.

LOCATION.--Lat 30°47'35", long 83°27'13", Brooks-Lowndes County line, Hydrologic Unit 03110203, at bridge on 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 mi^2.
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 determination of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen is by the U.S. Geological Survey. Water-discharge records for water years 1929-31, 1938-48 are published in reports of the U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM)	PH (STAND-ARD UNITS)	PH LAB (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	TEMPER-ATURE, AIR (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)
DEC										
02...	1205	4900	68	62	5.60	5.80	20.0	17.0	5.5	61
11...	1250	1690	78	72	6.60	6.30	12.5	25.0	10.4	98
JAN										
23...	1250	2120	66	60	6.60	6.10	12.0	14.5	9.3	87
FEB										
25...	1245	4400	52	47	6.10	5.90	16.0	12.5	7.1	73
MAR										
20...	1245	3900	54	51	6.10	5.90	20.0	14.5	6.6	73
APR										
16...	1235	292	92	90	6.50	6.60	20.0	24.5	7.6	85
MAY										
22...	1230	52	172	174	6.80	6.90	23.0	27.0	7.0	83
JUN										
19...	1150	105	182	179	6.90	6.90	28.0	31.5	7.3	95
JUL										
24...	1150	310	176	186	6.90	7.00	28.0	30.5	6.0	77
AUG										
20...	1140	620	70	70	6.40	6.70	27.0	30.5	6.0	77
SEP										
18...	1210	230	92	90	6.70	6.80	26.5	27.5	6.4	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 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)
DEC									
02...	200	17	1.3	170	6.0	<0.020	<0.020	0.080	28
11...	180	9.0	0.8	50	8.0	0.230	0.080	0.090	25
JAN									
23...	120	7.0	0.8	260	8.0	0.330	0.080	0.060	12
FEB									
25...	150	16	1.1	1400	7.0	0.240	0.110	0.080	16
MAR									
20...	150	11	1.2	460	7.0	0.170	0.070	0.080	18
APR									
16...	120	7.0	0.9	50	14	0.500	0.170	0.310	13
MAY									
22...	55	1.0	1.3	<20	20	1.82	1.13	0.900	11
JUN									
19...	30	2.0	1.4	50	25	1.46	0.060	1.46	8.1
JUL									
24...	25	5.0	3.2	50	20	2.88	0.060	1.41	8.2
AUG									
20...	110	17	3.0	140	8.0	0.280	0.070	0.160	17
SEP									
18...	100	5.0	1.4	130	15	0.450	0.060	--	19

02318700 OKAPILCO CREEK AT STATE HIGHWAY 33, NEAR QUITMAN, GA.

LOCATION.--Lat 30°49'32", long 83°33'45", Brooks County, Hydrologic Unit 03110203, at bridge on State Highway 33, 3.0 mi north of Quitman.
DRAINAGE AREA.--269 mi^2, 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.--Estimated daily discharges: Feb. 11-15, Apr. 23 to May 7. Records good, except those of no gage height, Feb. 11-15, and those of doubtful gage height, Apr. 23 to May 7, which are fair.
AVERAGE DISCHARGE.--6 years (water years 1981-86), 238 ft^3/s, 12.02 in/yr.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 18,500 ft^3/s Feb. 12, 1986, gage height, 18.75 ft, from floodmarks. No flow at times most years.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,200 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Nov. 27	1100	1,600	11.72	Feb. 12	unkown	*18,500	*18.75 (from floodmarks)
Dec. 15	1900	3,490	13.14				
Jan. 14	0600	2,250	12.32	Feb. 25	1700	1,310	11.36

Minimum discharge, no flow Oct. 24-29, May 27 to June 24, July 19-21.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.9	4.7	757	434	250	632	142	2.6	.00	3.0	.03	110
2	3.4	40	697	527	232	505	122	1.6	.00	1.9	.07	114
3	2.7	105	608	614	213	432	107	1.3	.00	1.4	.12	116
4	2.1	185	560	740	193	394	94	1.0	.00	1.1	.57	124
5	1.7	244	565	836	222	384	81	1.2	.00	.83	8.5	119
6	1.4	258	614	832	683	346	70	.91	.00	.72	7.8	103
7	1.1	218	613	775	2010	312	60	.82	.00	.61	4.7	118
8	.87	161	537	792	5270	288	52	.66	.00	.40	3.3	104
9	.74	118	437	789	4580	265	43	.49	.00	.26	2.8	93
10	.62	92	335	834	4810	246	36	.37	.00	.17	2.3	82
11	.54	75	257	1060	12300	232	31	.30	.00	.12	1.6	87
12	.44	64	246	1230	14600	216	26	.21	.00	.08	.98	74
13	.34	58	711	2000	6780	200	24	.17	.00	.06	12	62
14	.28	56	1820	2160	4190	428	23	.15	.00	.04	69	51
15	.21	54	3350	1680	2770	677	22	.10	.00	.02	150	41
16	.16	50	3030	1220	1930	888	20	.06	.00	.01	401	34
17	.10	46	2250	953	1380	1030	17	.04	.00	.01	203	28
18	.07	41	1650	782	1090	937	14	.03	.00	.01	136	23
19	.04	38	1280	663	955	816	13	.04	.00	.00	124	20
20	.03	36	1010	557	849	711	11	.06	.00	.00	179	17
21	.01	42	797	485	843	648	11	.04	.00	.00	228	14
22	.01	81	643	442	829	515	9.3	.03	.00	.02	270	11
23	.01	108	529	418	854	443	8.6	.02	.00	.35	305	9.1
24	.00	120	463	393	965	418	7.8	.01	.00	.87	259	7.4
25	.00	219	403	361	1250	405	7.2	.01	2.9	.45	183	6.2
26	.00	956	351	331	1270	378	6.7	.01	10	.33	126	5.8
27	.00	1560	325	304	1070	328	6.1	.00	11	.26	93	5.2
28	.00	1390	306	282	815	272	5.6	.00	8.9	.20	73	4.1
29	.00	1040	294	283	---	222	5.2	.00	6.5	.17	72	3.1
30	.01	812	282	289	---	187	3.6	.00	4.5	.11	154	3.1
31	.17	---	276	272	---	163	---	.00	---	.06	117	---
TOTAL	20.95	8271.7	25996	23338	73203	13918	1079.1	12.23	43.80	13.56	3186.77	1589.0
MEAN	.68	276	839	753	2614	449	36.0	.39	1.46	.44	103	53.0
MAX	3.9	1560	3350	2160	14600	1030	142	2.6	11	3.0	401	124
MIN	.00	4.7	246	272	193	163	3.6	.00	.00	.00	.03	3.1
CFSM	.003	1.03	3.12	2.80	9.72	1.67	.13	.001	.005	.002	.38	.20
IN.	.00	1.14	3.59	3.23	10.12	1.92	.15	.00	.01	.00	.44	.22

CAL YR 1985 TOTAL 50515.34 MEAN 138 MAX 3350 MIN .00 CFSM .51 IN 6.99
WTR YR 1986 TOTAL 150672.11 MEAN 413 MAX 14600 MIN .00 CFSM 1.54 IN 20.84

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 mi^2, 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 determination of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen is by the U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM)	PH (STAND-ARD UNITS)	PH LAB (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	TEMPER-ATURE, AIR (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)
DEC										
02...	1240	700	67	61	5.60	5.80	20.0	17.0	4.9	54
11...	1315	300	78	73	6.10	6.10	13.0	25.0	8.6	82
JAN										
23...	1315	396	62	57	6.50	6.20	12.0	14.5	8.5	79
FEB										
25...	1320	1280	49	46	6.20	6.00	15.0	13.5	7.2	72
MAR										
20...	1315	710	58	53	6.30	6.00	20.0	15.5	6.1	68
APR										
16...	1310	33	104	101	6.60	6.60	18.0	22.5	5.6	60
MAY										
22...	1330	1.3	318	364	8.60	7.90	23.0	27.0	7.6	90
JUN										
19...	1220	9.5	415	414	7.80	7.50	25.5	31.5	4.8	59
JUL										
24...	1220	8.3	330	351	7.40	7.20	26.5	32.5	3.9	49
AUG										
20...	1210	175	79	78	6.30	6.40	27.0	31.5	4.9	63
SEP										
18...	1250	32	100	98	6.60	6.60	24.5	29.0	4.1	49

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 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)
DEC									
02...	200	10	1.5	790	9.0	0.050	0.070	0.130	28
11...	200	8.0	0.9	50	6.0	0.170	0.140	0.150	24
JAN									
23...	110	9.0	1.3	90	8.0	0.350	0.110	0.070	17
FEB									
25...	170	32	1.6	230	8.0	0.250	0.110	0.100	16
MAR									
20...	140	19	1.9	230	7.0	0.230	0.140	0.120	14
APR									
16...	110	17	4.0	2800	19	0.570	0.490	0.430	16
MAY									
22...	40	58	8.7	23000	111	0.050	3.40	3.63	27
JUN									
19...	40	56	18	4900	137	<0.020	6.55	3.85	18
JUL									
24...	55	68	13	17000	56	5.54	7.31	2.37	23
AUG									
20...	140	20	3.1	330000	9.0	0.190	0.180	0.220	20
SEP									
18...	120	13	3.7	4900	18	0.270	0.310	0.320	19

02318960 WITHLACOOCHEE RIVER NEAR CLYATTVILLE, GA.

LOCATION.--Lat 30°38'07", long 83°18'41", Lowndes County, Hydrologic Unit 03110203, at bridge on State Highway 31, 4.3 mi south of Clyattville.
DRAINAGE AREA.--2,030 mi^2, 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 determination of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen is by the U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM)	PH (STAND-ARD UNITS)	PH LAB (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	TEMPER-ATURE, AIR (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)
DEC										
02...	1125	5430	65	59	5.60	5.80	20.0	16.0	5.3	59
11...	1145	2720	78	73	6.60	6.50	12.5	26.0	9.5	89
JAN										
23...	1145	3790	68	63	6.60	6.50	12.0	15.0	8.6	80
FEB										
25...	1150	8440	53	49	6.40	6.00	16.0	10.5	6.6	68
MAR										
20...	1150	5140	57	51	6.50	6.20	20.0	15.0	6.5	72
APR										
16...	1155	322	158	155	6.90	7.50	20.0	22.0	5.7	64
MAY										
22...	1140	168	212	219	7.40	7.70	22.0	25.0	5.5	64
JUN										
19...	1110	144	212	212	7.10	7.50	24.0	31.0	4.2	50
JUL										
24...	1110	186	212	223	7.50	7.80	26.0	30.0	5.2	65
AUG										
20...	1105	971	71	70	6.60	6.90	27.0	28.5	5.4	69
SEP										
18...	1135	248	135	134	7.00	7.40	25.5	30.0	4.8	59

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 LAB (MG/L AS CACO3)	SOLIDS, RESIDUE 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)
DEC									
02...	170	17	62	1.7	490	6.0	14	0.020	0.040
11...	200	8.0	53	1.2	<20	11	<1	0.160	0.090
JAN									
23...	120	8.0	38	0.7	<20	12	7	0.260	0.070
FEB									
25...	120	15	43	1.1	700	10	<1	0.240	0.070
MAR									
20...	150	13	48	1.1	790	9.0	12	0.150	0.060
APR									
16...	80	5.0	21	1.7	<20	55	<1	0.400	0.080
MAY									
22...	20	<1.0	9	1.1	20	87	--	0.220	<0.020
JUN									
19...	20	2.0	10	1.0	20	92	1	0.150	<0.020
JUL									
24...	10	5.0	--	2.2	<20	86	4	0.060	<0.020
AUG									
20...	120	15	--	1.1	330	12	10	0.200	0.070
SEP									
18...	120	4.0	--	1.6	20	44	1	0.290	0.050

02318960 WITHLACOOCHEE RIVER NEAR CLYATTSVILLE, GA.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN,AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
DEC					
02...	0.76	0.80	0.82	0.100	27
11...	0.61	0.70	0.86	0.100	27
JAN					
23...	0.43	0.50	0.76	0.070	13
FEB					
25...	0.23	0.30	0.54	0.080	15
MAR					
20...	0.34	0.40	0.55	0.090	15
APR					
16...	0.32	0.40	0.80	0.280	12
MAY					
22...	--	<0.10	--	0.140	4.5
JUN					
19...	--	0.40	0.55	0.170	4.9
JUL					
24...	--	--	--	0.240	5.5
AUG					
20...	--	--	--	0.200	28
SEP					
18...	--	--	--	0.210	16

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 mi^2.
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 determination of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen is by the U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM)	PH (STAND-ARD UNITS)	PH LAB (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	TEMPER-ATURE, AIR (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)
NOV										
20...	0820	17	234	237	6.80	6.90	21.0	22.5	4.4	50
DEC										
10...	0820	130	102	94	6.90	6.60	10.5	9.0	8.2	74
JAN										
22...	0820	140	93	84	6.50	6.50	10.0	7.0	8.5	76
FEB										
26...	0900	190	77	71	6.60	6.50	10.5	10.5	8.6	78
MAR										
19...	0835	190	88	82	6.40	6.30	19.5	21.5	5.3	59
APR										
15...	0950	9.4	245	248	6.70	6.80	18.0	25.0	5.1	55
MAY										
21...	0800	3.4	740	760	7.30	7.30	21.0	20.0	3.7	42
JUN										
18...	0745	3.1	676	726	7.10	7.10	25.5	26.0	3.3	41
JUL										
23...	0755	6.2	510	551	7.10	7.20	26.0	26.0	2.8	35
AUG										
19...	0755	7.4	355	--	6.70	--	26.5	25.0	2.1	27
SEP										
17...	0730	3.5	560	602	7.10	7.30	25.0	24.5	2.2	27

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 LAB (MG/L AS CACO3)	SOLIDS, RESIDUE 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)
NOV										
20...	80	6.0	2.0	80	30	5	1.86	0.060	0.880	12
DEC										
10...	110	10	1.5	490	13	6	0.810	0.220	0.250	13
JAN										
22...	90	9.0	1.0	700	12	1	0.800	0.120	0.420	8.4
FEB										
26...	120	24	2.5	490	10	7	0.770	0.110	0.200	11
MAR										
19...	130	20	2.0	790	11	6	0.980	0.890	0.460	12
APR										
15...	110	15	2.0	110	23	8	3.52	0.130	1.13	13
MAY										
21...	20	8.0	1.7	4900	87	8	3.90	0.150	2.96	8.8
JUN										
18...	25	4.0	<10	330	76	3	5.68	0.160	3.52	7.9
JUL										
23...	25	5.0	10	2300	67	4	2.16	0.130	2.41	9.8
AUG										
19...	15	3.0	3.0	230	43	7	2.95	1.13	1.35	13
SEP										
17...	20	<1.0	<10	130	72	<1	5.25	0.080	2.74	9.3

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 mi^2, 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 determination of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen is 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 1985 TO SEPTEMBER 1986

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM)	PH (STAND-ARD UNITS)	PH LAB (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	TEMPER-ATURE, AIR (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)
NOV										
20...	0950	225	105	106	6.70	6.70	20.5	24.0	6.6	74
DEC										
10...	0915	860	75	67	6.60	6.50	9.0	12.5	11.0	95
JAN										
22...	0925	970	72	64	6.90	6.50	11.0	12.0	9.1	83
FEB										
26...	1000	1860	54	50	6.40	6.20	14.0	13.5	8.0	79
MAR										
19...	0935	1300	64	61	6.50	6.20	19.5	22.0	6.7	74
APR										
15...	1100	110	128	128	6.60	6.70	18.0	27.0	6.2	66
MAY										
21...	0945	22	290	294	7.10	7.10	22.0	23.0	2.0	23
JUN										
18...	0845	252	88	86	6.60	6.60	26.0	31.0	5.2	65
JUL										
23...	0855	12	490	501	7.20	7.40	27.5	29.0	3.0	38
AUG										
19...	0850	100	158	154	6.80	7.10	26.5	26.5	4.4	56
SEP										
17...	0840	47	182	177	6.80	7.00	25.5	27.5	4.2	52

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 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...	90	8.0	1.0	20	17	0.460	0.070	0.330	13
DEC									
10...	110	10	1.1	790	12	0.370	0.100	0.110	15
JAN									
22...	90	10	1.1	110	12	0.520	0.110	0.130	8.2
FEB									
26...	120	23	1.7	330	10	0.460	0.110	0.110	13
MAR									
19...	120	15	1.5	490	9.0	0.390	0.160	0.180	15
APR									
15...	100	15	1.3	260	22	0.880	0.280	0.410	11
MAY									
21...	60	22	2.9	6300	58	1.37	0.300	0.830	11
JUN									
18...	190	75	1.7	490	15	0.430	0.170	0.260	11
JUL									
23...	25	9.0	1.9	790	73	2.28	0.160	1.97	12
AUG									
19...	95	22	1.8	220	26	0.710	0.140	0.470	15
SEP									
17...	110	13	1.7	1700	33	1.03	0.260	0.590	13

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 mi^2, 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 determination of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen is by the U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM)	PH (STAND-ARD UNITS)	PH LAB (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	TEMPER-ATURE, AIR (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)
NOV										
20...	1030	645	142	143	6.90	6.70	20.5	24.0	6.8	76
DEC										
10...	0955	2440	92	84	6.50	6.40	11.5	15.0	8.1	74
JAN										
22...	1005	2420	92	83	6.70	6.50	11.5	18.0	8.8	81
FEB										
26...	1040	4440	56	52	6.40	6.30	14.5	15.0	7.5	75
MAR										
19...	1020	2950	77	74	6.50	6.20	19.5	22.0	6.4	71
APR										
15...	1145	443	170	167	6.70	6.70	18.5	27.0	7.0	76
MAY										
21...	1035	205	259	261	6.90	7.00	22.0	23.5	6.2	72
JUN										
18...	0930	599	168	164	6.60	6.80	25.5	30.0	5.9	73
JUL										
23...	0940	59	275	290	7.10	7.10	27.0	30.0	5.1	65
AUG										
19...	0930	356	128	125	6.90	7.30	27.0	28.0	5.8	74
SEP										
17...	1020	191	170	164	6.90	7.30	25.5	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-LINITY LAB (MG/L AS CACO3)	SOLIDS, RESIDUE 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)
NOV										
20...	90	10	0.8	170	16	8	0.480	0.050	0.220	10
DEC										
10...	120	10	1.4	1100	11	4	0.310	0.100	0.090	14
JAN										
22...	90	10	1.2	280	10	<1	0.500	0.090	0.090	7.4
FEB										
26...	130	31	1.8	230	9.0	9	0.430	0.130	0.090	10
MAR										
19...	110	17	1.9	170	9.0	8	0.340	0.350	0.120	12
APR										
15...	110	19	1.0	80	17	15	0.930	0.160	0.230	11
MAY										
21...	60	20	1.0	330	25	12	1.52	0.190	0.340	10
JUN										
18...	180	60	1.6	490	15	8	0.460	0.180	0.220	5.9
JUL										
23...	60	29	1.6	900	37	6	4.60	0.200	0.620	11
AUG										
19...	110	23	1.8	90	20	10	0.490	0.090	0.320	13
SEP										
17...	110	14	1.2	80	27	1	0.720	0.120	0.400	13

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 mi^2.
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.
AVERAGE DISCHARGE.--5 years, 123 ft^3/s, 37.37 in/yr.
REMARKS.--Estimated daily discharges: Dec. 26, 27, Dec. 29 to Jan. 13, and Jan. 29, 30. Records good. Some regulation at low-flow on Smith Creek by Unicoi Lake at Unicoi State Park.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,260 ft^3/s Feb. 2, 1983, gage height, 5.54 ft; minimum discharge, 20 ft^3/s July 21, 1986.
EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of August 23, 1967, reached a discharge of 11,000 ft^3/s from contracted-opening computation at highway bridge 2 mi downstream at a drainage area of 48.2 mi^2.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,200 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)
Nov. 1	0845	*803	*2.61

Minimum discharge, 20 ft^3/s July 21.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	71	420	213	91	70	70	84	60	56	48	29	57
2	105	178	173	86	70	69	83	58	54	41	31	79
3	97	134	149	83	70	69	81	58	53	37	27	67
4	71	126	133	81	69	68	79	57	57	34	24	56
5	64	113	125	80	79	67	77	58	54	33	24	51
6	60	104	116	78	83	66	77	58	51	31	26	39
7	59	97	110	78	79	65	79	58	53	30	24	33
8	58	89	107	76	74	64	106	56	51	29	35	29
9	58	85	103	75	72	65	87	54	53	28	27	28
10	56	83	100	76	73	66	79	54	52	28	26	28
11	55	81	101	75	77	79	77	54	52	27	24	30
12	54	79	117	75	69	71	76	53	47	26	26	58
13	55	76	129	71	67	259	74	64	45	26	27	33
14	55	74	110	72	71	194	73	58	44	30	26	29
15	55	73	104	71	74	142	72	54	43	34	25	28
16	58	77	101	71	72	118	70	55	43	28	37	28
17	60	77	98	72	89	106	70	54	41	26	32	28
18	53	74	95	81	132	99	69	54	41	27	29	29
19	53	73	92	106	102	140	68	103	41	25	30	29
20	53	72	91	82	89	118	72	73	39	23	32	27
21	79	95	88	78	85	107	78	57	38	22	56	26
22	67	131	87	76	81	101	69	53	37	29	30	26
23	66	101	90	74	78	98	66	52	37	33	28	25
24	85	92	87	72	77	95	65	52	36	32	25	25
25	73	88	84	75	74	92	65	52	35	32	24	25
26	62	85	84	81	74	92	64	57	33	53	25	25
27	60	88	83	72	79	91	63	132	36	37	57	24
28	62	97	83	70	72	89	65	103	36	32	30	23
29	56	130	81	72	---	88	64	77	35	28	26	24
30	76	375	80	72	---	87	61	66	38	25	25	25
31	105	---	116	70	---	86	---	60	---	25	49	---
TOTAL	2041	3467	3330	2392	2201	3021	2213	1954	1331	959	936	1034
MEAN	65.8	116	107	77.2	78.6	97.5	73.8	63.0	44.4	30.9	30.2	34.5
MAX	105	420	213	106	132	259	106	132	57	53	57	79
MIN	53	72	80	70	67	64	61	52	33	22	24	23
CFSM	1.48	2.60	2.40	1.73	1.76	2.19	1.66	1.41	1.00	.69	.68	.77
IN.	1.70	2.89	2.78	2.00	1.84	2.52	1.85	1.63	1.11	.80	.78	.86

CAL YR 1985 TOTAL 34576 MEAN 94.7 MAX 420 MIN 51 CFSM 2.12 IN 28.84
WTR YR 1986 TOTAL 24879 MEAN 68.2 MAX 420 MIN 22 CFSM 1.53 IN 20.75

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 highway bridge, 1 mi downstream from Soque River, 6 mi northwest of Cornelia, and at mile 401.4.
DRAINAGE AREA.--315 mi^2.

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).
REMARKS.--Estimated daily discharges: Jan. 28, 29. Records good. Some regulation at low flow from Habersham Mill powerplant.
AVERAGE DISCHARGE.--29 years, 833 ft^3/s, 35.91 in/yr.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 26,400 ft^3/s Mar. 12, 1963, gage height, 20.55 ft, from rating curve extended above 13,000 ft^3/s on basis of contracted-opening measurement of peak flow; minimum daily, 91 ft^3/s Sept. 7, 1957.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 6,200 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)
Nov. 30	1130	*3,240	*3.95

Minimum daily discharge, 94 ft^3/s July 20.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	343	1480	1370	599	344	347	443	291	180	168	142	489
2	347	1060	1110	549	367	279	431	283	295	210	147	593
3	522	726	860	519	395	449	390	279	389	182	124	797
4	444	695	748	503	403	412	385	190	338	168	121	491
5	380	603	685	353	448	362	380	301	295	160	182	481
6	334	556	640	506	436	322	376	301	260	152	188	349
7	299	528	600	441	368	326	394	284	215	218	129	214
8	295	493	547	409	370	324	441	282	170	162	128	360
9	301	439	589	413	329	331	488	273	316	150	104	270
10	302	441	555	419	457	350	429	269	316	150	96	174
11	295	413	539	418	451	366	410	181	275	138	174	195
12	323	358	614	307	363	372	293	290	260	135	164	310
13	201	371	660	471	380	907	313	268	245	99	207	256
14	363	394	603	428	372	1160	427	322	215	129	152	180
15	325	410	568	351	393	786	407	265	160	158	140	269
16	282	409	551	347	355	657	363	266	316	147	147	192
17	292	306	538	359	495	610	344	266	245	138	135	174
18	279	435	510	413	656	559	328	188	239	132	168	197
19	285	396	495	627	581	717	327	426	210	128	232	265
20	191	380	481	517	530	742	330	648	189	94	212	215
21	439	454	370	483	498	635	376	380	187	107	451	128
22	546	753	459	470	443	586	331	292	128	123	289	205
23	444	600	472	419	433	566	335	283	212	164	207	205
24	434	521	440	366	421	550	358	267	208	215	110	172
25	474	502	438	424	414	529	351	179	166	342	170	180
26	352	475	433	353	404	500	315	243	177	233	131	176
27	233	459	479	484	424	439	224	631	193	143	266	176
28	418	367	486	426	387	438	383	683	132	263	295	115
29	332	599	303	420	---	469	345	501	123	236	262	180
30	312	2350	486	416	---	338	312	431	156	166	116	172
31	413	---	552	379	---	492	---	288	---	147	166	---
TOTAL	10800	17973	18181	13589	11917	15920	11029	10051	6810	5157	5555	8180
MEAN	348	599	586	438	426	514	368	324	227	166	179	273
MAX	546	2350	1370	627	656	1160	488	683	389	342	451	797
MIN	191	306	303	307	329	279	224	179	123	94	96	115
CFSM	1.11	1.90	1.86	1.39	1.35	1.63	1.17	1.03	.72	.53	.57	.87
IN.	1.28	2.12	2.15	1.60	1.41	1.88	1.30	1.19	.80	.61	.66	.97

CAL YR 1985 TOTAL 202780 MEAN 556 MAX 2700 MIN 191 CFSM 1.77 IN 23.95
WTR YR 1986 TOTAL 135162 MEAN 370 MAX 2350 MIN 94 CFSM 1.18 IN 15.96

02331600 CHATTAHOOCHEE RIVER NEAR CORNELIA, 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 determination of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen is by the U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM)	PH (STAND-ARD UNITS)	PH LAB (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	TEMPER-ATURE, AIR (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)
NOV										
14...	1400	407	32	28	6.90	6.70	15.0	27.0	9.9	101
JAN										
15...	1100	360	24	24	7.20	6.70	2.5	8.0	13.0	97
MAR										
13...	1100	503	29	25	6.70	6.60	13.0	14.0	11.2	110
MAY										
21...	1100	377	25	27	7.10	6.50	17.5	23.0	8.7	95
JUL										
17...	1445	142	26	33	7.30	6.70	29.0	37.0	7.2	97
SEP										
17...	1230	303	32	32	7.10	7.30	21.0	22.0	7.4	85

DATE	TUR-BID-ITY (NTU)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, FECAL, EC BROTH (MPN)	ALKA-LINITY 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...	9.0	0.7	80	10	0.260	<0.020	0.030	5.6
JAN								
15...	<1.0	0.6	<20	13	0.250	0.050	<0.020	2.0
MAR								
13...	9.0	1.4	50	8.0	0.240	0.060	0.030	2.0
MAY								
21...	54	2.2	3300	7.0	0.320	0.130	0.050	4.3
JUL								
17...	11	1.6	50	9.0	0.320	0.070	0.030	4.5
SEP								
17...	14	1.5	--	10	0.300	0.040	0.030	3.4

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 mi^2.
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.--Estimated daily discharges: December 27, 28, January 28-30, and June 21 to Aug. 8. Records good, except for the period June 21 to Aug. 8, which are fair.
AVERAGE DISCHARGE.--48 years (water years 1930-31, 1941-86), 364 ft^3/s, 32.31 in/yr.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 22,700 ft^3/s Aug. 23, 1967, gage height, 25.17 ft; minimum daily, 44 ft^3/s Aug. 6, 1986.
EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Aug. 12, 1907 reached a stage of about 25 ft, from information by local resident. Flow increased by failure of dam above station.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 2,600 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)
Nov. 30	0645	*2,110	*5.36

Minimum daily discharge, 44 ft^3/s Aug. 6.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	146	517	606	296	157	167	183	123	135	81	52	133
2	171	349	473	210	155	164	180	121	130	90	50	150
3	222	256	349	198	155	164	177	117	149	80	49	180
4	162	246	300	186	153	159	176	116	130	70	47	126
5	135	215	270	179	174	157	171	116	127	64	45	138
6	124	198	247	173	174	156	169	115	120	58	44	112
7	121	186	230	174	183	154	177	115	112	55	47	91
8	120	179	220	168	168	151	192	117	111	54	49	81
9	120	170	215	165	163	150	199	110	122	53	55	73
10	117	167	212	173	162	153	169	106	148	52	53	70
11	115	170	207	169	180	157	165	107	132	52	52	70
12	113	182	255	164	163	154	160	105	111	51	50	149
13	113	182	304	162	157	481	157	104	102	50	56	110
14	115	175	264	160	162	508	155	109	97	50	54	85
15	114	166	234	162	180	354	165	107	94	50	52	76
16	113	164	224	158	175	292	157	108	94	50	56	71
17	113	167	217	159	183	252	154	112	90	50	77	69
18	112	163	206	162	327	232	152	102	86	56	62	71
19	112	159	194	241	257	408	149	240	85	52	75	77
20	112	155	193	190	227	340	150	280	82	47	63	73
21	127	173	185	174	209	281	169	139	80	46	166	69
22	188	219	180	171	198	255	149	119	77	46	90	71
23	154	185	182	167	189	238	141	111	75	74	66	68
24	150	171	178	162	184	227	139	110	73	75	57	64
25	178	166	172	161	179	218	137	108	72	85	51	61
26	139	164	165	189	174	212	136	109	70	106	47	61
27	129	165	163	169	183	206	132	324	69	81	114	60
28	136	174	163	163	175	200	130	456	72	103	90	59
29	124	289	166	160	---	193	135	234	73	79	69	96
30	127	1300	161	160	---	188	126	184	80	55	59	69
31	168	---	245	159	---	186	---	150	---	51	71	---
TOTAL	4190	7172	7380	5484	5146	7157	4751	4574	2998	1966	1968	2683
MEAN	135	239	238	177	184	231	158	148	99.9	63.4	63.5	89.4
MAX	222	1300	606	296	327	508	199	456	149	106	166	180
MIN	112	155	161	158	153	150	126	102	69	46	44	59
CFSM	.88	1.56	1.56	1.16	1.20	1.51	1.03	.97	.65	.41	.42	.58
IN.	1.02	1.74	1.79	1.33	1.25	1.74	1.16	1.11	.73	.48	.48	.65

CAL YR 1985 TOTAL 86894 MEAN 238 MAX 1520 MIN 112 CFSM 1.56 IN 21.13
WTR YR 1986 TOTAL 55469 MEAN 152 MAX 1300 MIN 44 CFSM .99 IN 13.49

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 mi^2, 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.--WRD GA-79-1: 1972-78 (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.--No estimated daily discharges. Records good. Flow regulated by Lake Sidney Lanier beginning January 1956 (See "Lakes and Reservoirs in Apalachicola River basin", station 02334400.)

AVERAGE DISCHARGE.--45 years, 2,105 ft^3/s, 27.49 in/yr, adjusted for storage since 1956.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 55,000 ft^3/s Jan. 8, 1946, gage height, 32.6 ft, from floodmark, from rating curve extended above 13,000 ft^3/s on basis of peak flows passing upstream and downstream stations; minimum daily, 26 ft^3/s May 18, 1958.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known since at least 1921, that of Jan. 8, 1946.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 10,000 ft^3/s July 28, gage height, 8.00 ft; minimum daily discharge, 473 ft^3/s Apr. 26.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	528	1290	1300	1280	522	497	1150	1110	1110	1460	1490	1290
2	1250	1100	1300	1280	897	873	1110	1090	1090	1460	912	1280
3	1230	1110	1290	1270	1170	1130	1120	474	1070	1460	910	1290
4	1250	1290	1280	1270	1160	1130	1130	840	1090	1470	1870	1280
5	540	1300	1280	1280	1160	1140	498	1340	1100	783	1870	1290
6	908	1290	1290	1240	1150	1140	859	1090	986	796	1870	837
7	1180	1300	1280	527	1170	1140	1120	1080	924	2210	1860	843
8	1180	1310	1290	1270	524	492	1120	1090	869	2230	1880	1290
9	1180	1240	1280	1260	889	867	1110	1090	1180	2220	900	1100
10	1320	1240	1290	1270	1010	1140	1130	1050	1150	2230	908	1090
11	1180	1430	1300	522	1010	1120	1130	1070	1170	2230	1870	1080
12	537	1430	1290	886	991	1130	495	1050	1180	1010	1270	1280
13	915	1430	1280	1210	1030	1140	856	1050	1170	799	1270	820
14	2850	1420	1280	1200	964	1130	1100	1060	787	3000	1260	821
15	2860	1430	1290	1190	554	495	1100	1050	789	2940	1270	1180
16	2850	1250	1290	1160	948	862	1110	1060	1470	2980	912	1200
17	2850	1250	1300	1190	953	1120	1100	1070	1460	2990	910	1190
18	2840	1430	1280	521	952	1120	1090	1070	1460	2980	1260	1190
19	1080	1430	1280	889	955	1130	476	1070	1450	879	1280	1190
20	1090	1420	1280	1160	924	1130	840	1070	1460	892	1280	809
21	1650	1430	1280	1150	867	1130	1100	1080	790	2970	1270	821
22	1640	1410	1290	1150	503	497	819	1070	789	2980	1280	1130
23	1110	1290	1280	1160	873	851	1100	1060	1460	2970	923	1090
24	1100	1290	1300	1150	1170	1130	1090	1080	1460	2990	915	1090
25	1090	1290	1280	517	1130	1120	1100	1060	1460	2990	1280	1090
26	1070	1300	1300	897	1140	1120	473	1060	1460	894	1290	1070
27	1090	1290	1280	1170	1130	1120	840	1060	1470	899	1280	720
28	1290	1290	1290	1160	1140	1120	1100	1100	793	4170	1280	717
29	1270	1300	1280	1150	---	492	1100	1090	799	4170	1280	999
30	1290	1300	1280	1170	---	810	1100	1090	1470	4150	912	1000
31	1280	---	1280	1160	---	1120	---	1110	---	4190	923	---
TOTAL	43498	39580	39890	33709	26886	30436	29466	32734	34916	70392	39685	32077
MEAN	1403	1319	1287	1087	960	982	982	1056	1164	2271	1280	1069
MAX	2860	1430	1300	1280	1170	1140	1150	1340	1470	4190	1880	1290
MIN	528	1100	1280	517	503	492	473	474	787	783	900	717
MEAN†	765	1457	1165	882	1010	1228	634	708	260	1	202	651
CFSM†	.74	1.40	1.12	.85	.97	1.18	.61	.68	.25	0	.19	.63
IN†	.85	1.56	1.29	.98	1.01	1.36	.68	.78	.28	0	.22	.70

CAL YR 1985 TOTAL 483809 MEAN 1326 MAX 4160 MIN 487 MEAN† 1259 CFSM† 1.21 IN† 16.44
WTR YR 1986 TOTAL 453269 MEAN 1242 MAX 4190 MIN 473 MEAN† 745 CFSM† .72 IN† 9.73

†ADJUSTED FOR CHANGE IN CONTENTS IN LAKE SIDNEY LANIER.

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 mi^2.
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.--Estimated daily discharge: January 29. Records good.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,440 ft^3/s July 30, 1985, gage height, 9.39 ft; minimum discharge, 0.86 ft^3/s July 22, 1986.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 550 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)
Dec. 13	1215	*386	*5.97

Minimum discharge, 0.86 ft^3/s July 22, gage height, 1.36 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	60	130	118	53	34	34	42	25	19	10	9.0	33
2	76	64	76	41	33	33	41	24	17	6.7	5.7	37
3	47	63	58	39	33	34	39	23	15	6.6	3.0	67
4	41	63	55	38	33	33	39	22	16	5.7	2.3	58
5	37	50	52	37	35	32	38	22	16	4.6	1.7	40
6	35	47	50	36	36	32	37	22	16	4.0	1.5	31
7	33	44	48	37	35	31	37	22	14	3.6	1.6	19
8	33	43	47	36	33	31	48	24	15	3.1	1.2	14
9	33	42	46	35	33	29	58	22	17	2.9	1.3	11
10	32	41	45	36	34	30	41	21	20	2.6	1.8	10
11	32	40	45	36	47	31	37	21	17	1.9	1.4	11
12	31	40	50	35	37	30	36	21	14	1.8	21	27
13	31	40	286	35	35	136	36	25	12	1.6	7.1	22
14	31	40	101	34	36	158	35	24	10	1.7	4.2	13
15	31	39	64	35	61	70	34	22	9.3	2.5	3.7	10
16	31	39	56	38	44	55	32	21	8.7	2.2	3.1	9.6
17	31	39	52	35	41	51	31	23	8.3	4.1	5.0	9.1
18	31	39	49	35	52	45	33	21	7.0	4.7	3.8	15
19	31	38	46	42	45	138	31	22	6.2	3.0	3.1	18
20	31	39	45	37	42	203	31	27	5.6	2.3	3.2	13
21	31	47	43	35	39	103	38	21	5.1	1.6	2.9	10
22	44	55	42	35	39	71	34	18	4.6	1.1	2.6	15
23	50	46	43	34	37	62	31	17	4.2	2.2	2.3	15
24	39	42	42	33	36	58	30	15	3.9	11	2.0	9.9
25	37	41	40	34	36	53	30	17	3.6	16	1.7	8.7
26	35	40	38	47	35	50	29	25	3.4	6.7	1.4	7.7
27	34	41	37	41	36	49	28	24	3.2	4.3	4.6	7.1
28	38	40	39	35	35	47	27	45	3.0	4.0	15	6.4
29	35	45	39	35	---	45	28	48	2.8	3.3	6.2	5.9
30	34	194	37	36	---	44	25	31	3.1	2.5	3.3	6.2
31	44	---	40	35	---	43	---	23	---	2.0	4.3	---
TOTAL	1159	1571	1829	1150	1072	1861	1056	738	300.0	130.3	131.0	559.6
MEAN	37.4	52.4	59.0	37.1	38.3	60.0	35.2	23.8	10.0	4.20	4.23	18.7
MAX	76	194	286	53	61	203	58	48	20	16	21	67
MIN	31	38	37	33	33	29	25	15	2.8	1.1	1.2	5.9
CFSM	.80	1.12	1.26	.79	.82	1.28	.75	.51	.21	.09	.09	.40
IN.	.92	1.25	1.45	.91	.85	1.48	.84	.59	.24	.10	.10	.44

CAL YR 1985 TOTAL 20520.0 MEAN 56.2 MAX 926 MIN 15 CFSM 1.20 IN 16.31
WTR YR 1986 TOTAL 11556.9 MEAN 31.7 MAX 286 MIN 1.1 CFSM .68 IN 9.19

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 mi^2, 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.--No estimated daily discharges. 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.

AVERAGE DISCHARGE.--74 years (water years 1903-46, 1957-86), 2,300 ft^3/s, 26.70 in/yr, unadjusted.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 55,000 ft^3/s Jan. 8, 1946, gage height, 27.7 ft, from rating curve extended above 36,000 ft^3/s on basis of computation of peak flow over Morgan Falls Dam; minimum observed, 132 ft^3/s Aug. 25, 1925.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known since at least 1896, that of Jan. 8, 1946.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 9,380 ft^3/s July 31, gage height, 10.66 ft; minimum daily, 649 ft^3/s May 4.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2130	1470	1640	1430	725	714	1270	1280	1140	1620	2960	1380
2	1130	1300	1520	1390	682	934	1300	1280	1120	1620	1080	1540
3	1390	1190	1460	1410	971	1250	1280	1260	1100	1570	1070	1610
4	1370	1290	1440	1400	1270	1290	1280	649	1110	1620	1630	1640
5	1040	1330	1420	1360	1290	1280	1270	1140	1110	1160	2080	1590
6	681	1330	1420	2010	1280	1280	668	1440	1060	843	2090	1290
7	1220	1320	1410	749	1280	1280	970	1270	996	1820	2080	937
8	1260	1320	1400	710	1280	694	1290	1150	1000	2460	2090	1180
9	1260	1810	1400	1380	681	657	1320	1130	956	2420	1390	1320
10	1270	1300	1390	1380	988	964	1280	1080	1170	2420	964	1220
11	1400	1520	1400	1350	1140	1260	1280	1110	1220	2450	1690	1200
12	987	1540	1430	687	955	1260	1270	1090	1190	1520	1750	1390
13	664	1540	1940	1560	956	1750	668	1080	1180	879	1440	1190
14	2310	1540	1570	1330	1040	1470	970	1100	1160	2360	1410	922
15	2990	1560	1470	1320	1110	1410	1270	1090	848	3220	1400	1160
16	3010	980	1440	1330	734	751	1290	1100	1310	3210	1070	1310
17	3020	1320	2080	1330	1040	1030	1290	1100	1600	3260	967	1300
18	3010	1120	801	744	1070	1300	1290	1100	1620	3220	1210	1330
19	1620	1540	1410	723	1050	1460	1280	1130	1610	1730	1420	1330
20	1130	1550	1420	1550	1050	1650	674	1130	1600	908	1420	1040
21	1430	1580	2020	1290	988	2040	1010	1110	1140	2380	1410	910
22	1750	1600	801	1290	966	816	1280	1110	853	3200	1410	1140
23	1480	1520	1410	1290	672	1010	995	1090	1320	3240	1140	1220
24	1180	1390	1410	1270	1520	1300	1280	874	1600	3260	962	1220
25	1130	1390	1410	728	1280	1310	1280	1120	1600	3300	1220	1210
26	1120	1390	1390	719	1300	1300	1270	1110	1610	1740	1410	1200
27	1100	1390	1410	1560	1290	1310	672	1170	1600	922	1460	956
28	1190	1390	2000	1280	1290	1300	955	1270	1130	2950	1450	821
29	1290	1420	1400	1290	---	740	1270	1290	807	4440	1430	927
30	1300	1740	789	1290	---	680	1270	1150	1380	4450	1150	1120
31	1320	---	1410	1290	---	936	---	1130	---	4510	982	---
TOTAL	47182	42680	44911	38440	29898	36426	34492	35133	37140	74702	45235	36603
MEAN	1522	1423	1449	1240	1068	1175	1150	1133	1238	2410	1459	1220
MAX	3020	1810	2080	2010	1520	2040	1320	1440	1620	4510	2960	1640
MIN	664	980	789	687	672	657	668	649	807	843	962	821

CAL YR 1985 TOTAL 562917 MEAN 1542 MAX 4750 MIN 615 MEAN† 1475 CFSM† 1.26 IN† 17.12
WTR YR 1986 TOTAL 502842 MEAN 1378 MAX 4510 MIN 649 MEAN† 881 CFSM† .75 IN† 10.23

†Adjusted for change in contents in Lake Sidney Lanier.

02335450 CHATTAHOOCHEE RIVER ABOVE ROSWELL, GA.

LOCATION.--Lat 33°59'09", long 84°18'58", Fulton County, Hydrologic Unit 03130001, on right bank 3.3 mi upstream from Big Creek and bridge on U.S. Highway 19, 3.6 mi southeast of Roswell, and at mile 320.6.
DRAINAGE AREA.--1,220 mi^2, 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.--No estimated daily discharges. 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.--28 years (water years 1942-59, 1977-86), 2,106 ft^3/s, 23.44 in/yr, unadjusted.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 56,000 ft^3/s Jan. 8, 1946, from rating curve extended above 30,000 ft^3/s basis of computation of peak flow over Morgan Falls Dam 6 miles downstream, gage height, 23.4 ft from floodmark (site and datum then in use); minimum daily, 315 ft^3/s Aug. 11, 1957.
EXTREMES FOR CURRENT YEAR.--Maximum discharge, 8,480 ft^3/s Aug. 1, gage height, 7.67 ft; minimum daily discharge, 427 ft^3/s Mar. 9.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3140	1490	1740	1380	703	672	1070	1070	1070	1550	3410	1220
2	807	1380	1520	1290	508	605	1100	1090	1040	1540	1310	1500
3	1290	1200	1420	1290	841	1030	1130	1070	1030	1510	807	1450
4	1310	1140	1380	1300	1160	1150	1120	464	1030	1520	940	1750
5	1250	1300	1350	1280	1170	1180	1080	805	1060	1450	1820	1500
6	545	1260	1360	1800	1160	1090	464	1250	1050	759	1850	1490
7	884	1250	1340	789	1140	1110	762	1170	948	1090	1830	874
8	1140	1250	1350	511	1200	637	1120	1060	898	2310	1850	847
9	1160	1770	1350	1240	500	427	1190	1000	888	2280	1680	1260
10	1190	1220	1270	1290	840	816	1150	954	1150	2250	777	1100
11	1290	1430	1320	1260	1050	1120	1130	964	1140	2280	1010	1130
12	1120	1470	1400	544	872	1050	1060	982	1150	1910	1760	1330
13	528	1460	2420	1350	827	1610	487	965	1160	890	1270	1340
14	1430	1460	1630	1240	943	1730	754	999	1120	1400	1270	838
15	2840	1460	1380	1210	1060	1340	1110	969	773	3040	1190	889
16	2900	780	1380	1170	619	622	1100	981	890	3010	1130	1170
17	2900	1240	1910	1170	937	864	1100	992	1480	3060	802	1190
18	2870	1220	820	793	992	1160	1080	998	1520	3020	851	1270
19	2350	1460	1340	619	977	1470	1040	1110	1500	2350	1210	1240
20	1030	1490	1280	1310	934	1650	483	1070	1480	848	1220	1160
21	1110	1570	1810	1180	880	1890	870	1030	1400	1460	1240	768
22	1780	1580	803	1160	847	826	1110	1040	765	2970	1250	864
23	1660	1480	1340	1230	510	780	821	1010	855	3010	1190	1140
24	1110	1320	1300	1130	1290	1110	1110	824	1480	3080	827	1140
25	1010	1330	1310	735	1170	1150	1090	1070	1490	3090	813	1070
26	1040	1320	1280	580	1150	1150	1080	1040	1490	2410	1200	1060
27	1080	1310	1310	1330	1140	1150	468	1170	1470	879	1390	1070
28	1080	1330	1770	1160	1180	1150	762	1430	1380	1820	1350	723
29	1220	1400	1300	1190	---	724	1090	1460	751	4200	1270	699
30	1220	2040	789	1150	---	473	1060	1160	885	4210	1250	1160
31	1250	---	1320	1140	---	763	---	1080	---	4180	891	---
TOTAL	45534	41410	43292	34821	26600	32499	28991	32277	34343	69376	40658	34242
MEAN	1469	1380	1397	1123	950	1048	966	1041	1145	2238	1312	1141
MAX	3140	2040	2420	1800	1290	1890	1190	1460	1520	4210	3410	1750
MIN	528	780	789	511	500	427	464	464	751	759	777	699

CAL YR 1985 TOTAL 553475 MEAN 1516 MAX 4760 MIN 449 MEAN† 1449 CFSM† 1.19 IN† 16.13
WTR YR 1986 TOTAL 464043 MEAN 1271 MAX 4210 MIN 427 MEAN† 774 CFSM† .63 IN† 8.62

†Adjusted for change in contents in Lake Sidney Lanier.

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 county highway bridge, 2.6 mi southeast of Alpharetta, and 9.4 mi upstream from mouth.
DRAINAGE AREA.--72 mi^2, 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.--Estimated daily discharges: Jan. 28-29, June 4-27. Records good, except for those of no gage-height record, June 4-27, which are fair. Some regulation in October and December due to manipulation of water level of recreational lake on Coney Creek upstream from gage.
AVERAGE DISCHARGE.--26 years, 114 ft^3/s, 21.50 in/yr.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 6,100 ft^3/s Feb. 3, 1982, gage height, 13.05 ft; minimum daily, 1.7 ft^3/s July 22, 1986.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 800 ft^3/s and maximum (*).

Date	Time	Discharge (ft^3/s)	Gage height (ft)
Sept. 4	2200	*379	*5.22

Minimum daily discharge 1.7 ft^3/s July 22.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	97	85	180	71	46	43	43	25	38	12	29	69
2	133	68	130	54	45	42	42	24	32	11	25	97
3	190	57	87	50	44	43	41	22	29	12	14	77
4	171	58	74	50	43	42	41	21	28	10	10	236
5	159	50	67	47	47	41	39	21	27	9.2	8.3	229
6	140	45	62	44	50	41	40	21	25	8.4	7.3	246
7	126	42	58	44	50	39	38	21	24	7.9	6.7	90
8	115	42	55	43	44	39	49	30	23	7.4	6.1	52
9	93	40	59	42	43	38	71	24	23	6.2	9.5	39
10	61	39	53	44	45	41	46	21	23	5.9	8.7	35
11	45	38	52	43	61	41	42	20	24	5.5	6.4	34
12	44	39	64	42	50	41	39	20	22	5.3	8.2	62
13	44	41	139	41	45	178	39	21	20	5.3	7.0	62
14	44	38	92	41	49	264	39	27	18	5.3	8.5	38
15	38	37	70	41	95	131	37	23	18	4.8	7.6	31
16	30	38	62	41	70	90	34	21	17	5.6	6.5	29
17	30	38	62	41	63	74	33	23	16	4.9	18	28
18	29	37	60	45	89	64	33	20	16	6.0	13	29
19	29	37	78	85	76	119	33	26	15	3.4	11	31
20	29	41	128	60	64	173	33	45	15	3.9	8.2	28
21	30	48	115	50	58	111	37	28	14	2.4	9.1	26
22	48	63	102	46	55	83	36	22	14	1.7	7.7	25
23	52	48	75	45	52	73	32	22	12	3.1	7.6	23
24	41	45	48	44	50	66	31	19	12	17	5.8	23
25	46	41	45	43	49	61	30	19	12	54	4.5	21
26	39	40	41	66	46	57	29	21	11	35	3.9	21
27	37	39	43	57	48	54	28	53	10	19	32	22
28	43	43	47	51	45	50	27	98	10	17	45	20
29	39	80	46	45	---	49	28	285	12	13	21	18
30	34	224	44	48	---	47	27	94	13	10	13	18
31	42	---	49	47	---	45	---	49	---	12	12	---
TOTAL	2098	1581	2287	1511	1522	2280	1117	1186	573	324.2	380.6	1759
MEAN	67.7	52.7	73.8	48.7	54.4	73.5	37.2	38.3	19.1	10.5	12.3	58.6
MAX	190	224	180	85	95	264	71	285	38	54	45	246
MIN	29	37	41	41	43	38	27	19	10	1.7	3.9	18
CFSM	.94	.73	1.03	.68	.76	1.02	.52	.53	.27	.15	.17	.81
IN.	1.08	.82	1.18	.78	.79	1.18	.58	.61	.30	.17	.20	.91

CAL YR 1985 TOTAL 27748.0 MEAN 76.0 MAX 753 MIN 19 CFSM 1.06 IN 14.34
WTR YR 1986 TOTAL 16618.8 MEAN 45.5 MAX 285 MIN 1.7 CFSM .63 IN 8.59

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, and 2.6 mi upstream from mouth.
DRAINAGE AREA.--29.2 mi^2, approximately.
PERIOD OF RECORD.--October 1984 to current year. Occasional low-flow measurements, water years 1944, 1951, 1953-55, 1957, 1961).
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.--Estimated daily discharges: Jan. 28, 29. Records good, except those for the period, March 13 to May 28, which are fair.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,420 ft^3/s Aug. 17, 1985, gage height, 10.61 ft; minimum daily discharge, 0.89 ft^3/s July 31, 1986.
EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known since 1948, 21.1 ft Mar. 30, 1977, from floodmark, present site and datum, discharge, 4,000 ft^3/s, from rating curve extended above 1,100 ft^3/s and computation of peak flow at site upstream. Flood of Feb. 4, 1982 reached a stage of 20.0 ft, discharge 3,650 ft^3/s, from rating curve extended above 1,100 ft^3/s.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 900 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)
May 28	2200	1,190	*9.48

Minimum daily discharge, 0.89 ft^3/s July 31.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	149	45	115	23	16	16	20	12	18	24	69	153
2	26	17	47	19	16	15	18	12	16	13	5.9	21
3	18	22	27	18	16	16	18	11	15	10	3.6	14
4	15	16	25	17	15	15	18	11	15	7.9	2.3	164
5	14	14	21	17	20	15	17	11	14	6.5	1.9	35
6	13	14	20	17	21	15	18	11	14	5.6	1.7	18
7	12	14	19	17	16	16	18	11	13	5.0	1.4	13
8	12	14	18	16	15	15	26	12	13	4.3	52	9.2
9	12	13	18	17	15	16	22	11	15	3.8	14	7.3
10	12	13	17	17	31	16	17	10	21	3.0	4.3	6.9
11	12	13	18	16	36	16	16	10	17	2.8	3.2	7.1
12	11	13	48	16	19	16	16	10	13	2.7	3.9	93
13	12	13	190	16	18	334	16	11	12	2.1	3.9	11
14	14	13	33	16	63	129	15	11	11	2.0	4.4	7.0
15	13	13	26	16	60	53	15	10	11	4.0	2.5	5.4
16	12	14	24	16	25	35	14	9.9	10	2.0	2.9	4.8
17	12	13	23	16	29	29	14	10	9.5	5.9	3.6	4.2
18	12	13	21	24	39	26	15	9.8	9.7	4.6	41	9.4
19	12	13	20	28	23	115	14	59	8.8	2.5	18	5.6
20	12	13	20	17	20	120	15	22	8.5	1.7	9.8	4.8
21	24	33	19	16	19	38	17	13	6.9	1.3	27	3.7
22	44	38	19	16	18	31	15	12	6.3	3.8	4.6	3.5
23	27	16	19	16	18	28	14	11	6.1	4.5	3.6	4.6
24	15	15	18	15	17	25	14	11	6.4	5.9	3.2	8.0
25	14	14	18	19	17	24	13	12	9.4	3.0	3.2	3.3
26	13	14	18	44	16	23	13	17	5.7	3.8	4.1	2.5
27	18	14	18	21	16	22	13	159	4.7	3.9	77	2.4
28	22	35	18	19	16	21	13	329	4.4	7.6	28	2.4
29	13	82	18	17	---	20	13	141	20	2.2	9.3	2.3
30	13	200	17	16	---	20	12	28	11	1.3	6.7	4.8
31	15	---	28	16	---	19	---	20	---	.89	10	---
TOTAL	623	774	960	574	650	1299	479	1027.7	345.4	151.59	426.0	631.2
MEAN	20.1	25.8	31.0	18.5	23.2	41.9	16.0	33.2	11.5	4.89	13.7	21.0
MAX	149	200	190	44	63	334	26	329	21	24	77	164
MIN	11	13	17	15	15	15	12	9.8	4.4	.89	1.4	2.3
CFSM	.69	.88	1.06	.63	.80	1.44	.55	1.14	.39	.17	.47	.72
IN.	.79	.99	1.22	.73	.83	1.65	.61	1.31	.44	.19	.54	.80

CAL YR 1985 TOTAL 15423.00 MEAN 42.3 MAX 522 MIN 11 CFSM 1.45 IN 19.65
WTR YR 1986 TOTAL 7940.89 MEAN 21.8 MAX 334 MIN .89 CFSM .75 IN 10.12

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 mi^2, 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.--No estimated daily discharges. 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.--53 years (water years 1929-31, 1937-86), 2,578 ft^3/s, 24.14 in/yr, unadjusted.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 59,000 ft^3/s Jan. 9, 1946, gage height, 28.0 ft; minimum daily, 296 ft^3/s Sept. 2, 1957.

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.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 6,870 ft^3/s Aug. 1, gage height, 7.33 ft, minimum daily discharge, 887 ft^3/s Sept. 23.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3640	1690	2490	1660	1160	1190	1100	1120	1150	1370	4010	1710
2	1660	1410	1980	1450	1110	1090	1110	1110	1210	1690	1510	1920
3	1590	1480	1520	1430	1130	1130	1110	1090	1180	1660	1040	1520
4	1460	1370	1630	1470	1130	1120	1190	1090	1180	1440	1200	2130
5	1260	1470	1530	1440	1140	1130	1160	1130	1130	1280	1650	2270
6	1100	1410	1570	1420	1210	1360	1080	1030	1120	1090	1850	1510
7	1150	1490	1430	1410	1280	1220	1100	997	1060	1260	1800	1130
8	1230	1230	1540	1080	1270	1270	1160	996	1100	1980	1930	1110
9	1240	1550	1480	1110	1080	1120	1190	982	1140	2210	1500	1160
10	1290	1370	1410	1280	1160	1140	1380	1010	1230	2290	1040	1020
11	1410	1390	1460	1200	1180	1140	1330	1060	1390	2410	1250	1020
12	1140	1670	1670	1080	1080	1100	1170	1120	1230	1610	1370	1680
13	1090	1530	3580	1080	1100	2940	1100	1110	1250	1080	1310	1350
14	1480	1470	2010	1190	1190	2740	1090	1100	1200	1330	1270	968
15	2580	1530	1610	1360	1210	1560	1090	1110	1060	2810	1240	974
16	2890	1400	1630	1290	1080	1190	1100	1110	1030	3030	1120	985
17	2890	1190	1510	1350	1170	1160	1150	1110	1200	3040	998	1110
18	2910	1350	1530	1190	1430	1420	1200	1140	1680	3090	1030	1330
19	2300	1480	1520	1150	1220	2350	1180	1500	1520	2450	1120	1230
20	1140	1640	1540	1100	1200	2390	1080	1400	1500	1080	1180	1060
21	1660	1810	1620	1310	1110	1920	1120	1250	1250	1250	1340	984
22	2210	1860	1390	1300	1090	1430	1090	1170	1120	2830	1230	951
23	1840	1640	1500	1300	1080	1190	1090	1170	1100	3040	1120	887
24	1100	1430	1530	1380	1090	1150	1150	1160	1090	3110	1130	986
25	1080	1440	1440	1160	1200	1370	1060	1190	1380	3340	994	1090
26	1070	1420	1310	1180	1430	1410	1160	1250	1650	2670	982	940
27	1250	1460	1410	1100	1430	1350	1030	1690	1540	1170	1430	894
28	1600	1500	1490	1080	1310	1430	1070	2500	1230	1540	1550	890
29	1390	1810	1480	1320	---	1180	1100	2930	1110	3900	1260	890
30	1150	2780	1380	1360	---	1080	1110	1610	1060	4390	1050	1080
31	1350	---	1450	1320	---	1120	---	1210	---	4100	1010	---
TOTAL	51150	46270	50640	39550	33270	44390	34050	39445	37090	69540	42514	36779
MEAN	1650	1542	1634	1276	1188	1432	1135	1272	1236	2243	1371	1226
MAX	3640	2780	3580	1660	1430	2940	1380	2930	1680	4390	4010	2270
MIN	1070	1190	1310	1080	1080	1080	1030	982	1030	1080	982	887

CAL YR 1985 TOTAL 654740 MEAN 1794 MAX 5520 MIN 1020 MEAN† 1727 CFSM† 1.19 IN† 16.17
WTR YR 1986 TOTAL 524688 MEAN 1438 MAX 4390 MIN 887 MEAN† 941 CFSM† .65 IN† 8.81

†Adjusted for change in contents in Lake Sidney Lanier.

02336300 PEACHTREE CREEK AT ATLANTA, GA.

LOCATION.--Lat 33°49'10", long 84°24'28", Fulton County, Hydrologic Unit 03130001, on downstream side of bridge on Northside Drive at Atlanta, 0.4 mi downstream from Tanyard Branch, and 4 mi upstream from mouth.
DRAINAGE AREA.--86.8 mi^2.

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.--Estimated daily discharges: Oct. 8-15, Dec. 3-11, 17-23, Jan. 27-29, April 2-17, May 1-12, 15-18, 22-24, 27, June 1-8, 12-25, Aug. 4-7, 13, Sept. 9. Records fair except those of no gage-height record, Oct. 8-15, Dec. 3-11, 17-23, April 2-17, May 1-12, 15-18, 22-24, 27, June 1-8, 12-25, Aug. 4-7, 13, Sept. 9, which are poor.
AVERAGE DISCHARGE.--28 years, 135 ft^3/s, 21.12 in/yr.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 8,660 ft^3/s Mar. 16, 1976, gage height, 20.30 ft; minimum daily discharge, 6.0 ft^3/s Oct. 3, 4, 1981.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater tham base discharge of 2,500 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)
Oct. 1	1200	*3,920	*13.27

Minimum daily discharge, 8.2 ft^3/s July 22.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1490	257	393	110	40	33	39	25	32	19	369	359
2	348	56	175	48	39	33	38	24	29	28	32	77
3	101	147	80	41	39	32	37	24	27	25	25	91
4	63	54	60	38	39	32	36	23	25	14	21	203
5	51	35	45	38	109	32	35	23	25	13	18	101
6	42	32	40	39	111	31	35	23	25	11	18	100
7	39	32	38	39	57	30	35	100	24	12	24	39
8	37	34	37	38	42	30	90	100	65	12	324	29
9	35	34	36	39	40	30	100	32	73	12	68	28
10	34	35	36	40	136	30	40	28	111	12	62	25
11	34	33	60	37	161	30	36	25	44	15	49	25
12	33	32	232	37	46	30	35	48	23	13	45	114
13	33	33	441	38	41	980	34	73	20	12	30	36
14	32	32	83	38	117	269	33	37	19	12	43	26
15	31	30	59	38	192	105	32	25	18	14	23	26
16	78	31	52	38	54	82	32	23	60	11	97	23
17	41	31	49	38	52	57	32	22	22	38	45	19
18	34	32	46	190	143	48	32	49	19	28	19	252
19	35	30	44	202	53	561	32	228	17	13	11	37
20	35	33	42	61	44	397	102	91	16	10	12	26
21	222	279	41	44	42	104	304	33	15	9.0	31	23
22	620	255	39	41	40	73	67	27	15	8.2	27	29
23	112	53	38	39	38	64	36	24	14	70	9.6	21
24	53	39	37	38	37	59	32	23	13	133	9.0	20
25	40	34	34	45	37	53	29	42	12	235	8.7	20
26	35	41	32	165	35	49	27	47	16	234	9.2	18
27	137	41	33	59	36	47	26	80	225	31	255	17
28	156	53	35	55	34	44	26	619	121	23	72	15
29	46	262	33	51	---	42	27	300	22	22	22	15
30	32	1240	32	46	---	42	26	57	20	20	20	16
31	71	---	177	43	---	40	---	39	---	18	30	---
TOTAL	4150	3330	2579	1813	1854	3489	1485	2314	1167	1127.2	1828.5	1830
MEAN	134	111	83.2	58.5	66.2	113	49.5	74.6	38.9	36.4	59.0	61.0
MAX	1490	1240	441	202	192	980	304	619	225	235	369	359
MIN	31	30	32	37	34	30	26	22	12	8.2	8.7	15
CFSM	1.54	1.28	.96	.67	.76	1.30	.57	.86	.45	.42	.68	.70
IN.	1.78	1.43	1.11	.78	.79	1.50	.64	.99	.50	.48	.78	.78

CAL YR 1985 TOTAL 45611.0 MEAN 125 MAX 2120 MIN 20 CFSM 1.44 IN 19.55
WTR YR 1986 TOTAL 26966.7 MEAN 73.9 MAX 1490 MIN 8.2 CFSM .85 IN 11.56

02336300 PEACHTREE CREEK AT ATLANTA, GA.--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.63	4.40	4.91	3.64	3.09	3.09	3.05	---	---	2.89	4.68	4.73
2	4.75	3.34	4.04	3.18	3.08	3.09	---	---	---	3.00	3.05	3.47
3	3.64	3.85	---	3.10	3.08	3.08	---	---	---	2.98	2.96	3.56
4	3.36	3.31	---	3.06	3.08	3.07	---	---	---	2.81	---	3.93
5	3.24	3.13	---	3.06	3.60	3.07	---	---	---	2.79	---	3.58
6	3.15	3.10	---	3.07	3.60	3.07	---	---	---	2.75	---	3.47
7	3.12	3.10	---	3.08	3.25	3.05	---	---	---	2.76	---	3.16
8	---	3.12	---	3.07	3.11	3.05	---	---	---	2.77	4.46	3.06
9	---	3.12	---	3.08	3.09	3.04	---	---	3.28	2.76	3.38	---
10	---	3.13	---	3.09	3.72	3.05	---	---	3.56	2.75	3.31	2.99
11	---	3.11	---	3.05	3.93	3.05	---	---	3.24	2.78	3.20	2.99
12	---	3.09	4.27	3.05	3.25	3.05	---	---	---	2.75	3.18	3.65
13	---	3.10	5.06	3.06	3.20	6.45	---	3.37	---	2.70	---	3.13
14	---	3.09	3.55	3.07	3.61	4.48	---	3.07	---	2.72	3.15	3.02
15	---	3.07	3.37	3.07	4.07	3.68	---	---	---	2.76	2.91	3.01
16	3.42	3.09	3.31	3.07	3.32	3.54	---	---	---	2.69	3.30	2.97
17	3.13	3.08	---	3.07	3.30	3.35	---	---	---	3.05	3.21	2.92
18	3.06	3.09	---	3.86	3.87	3.27	2.97	---	---	2.97	2.98	4.32
19	3.07	3.07	---	4.12	3.31	5.35	2.97	4.29	---	2.79	2.88	3.15
20	3.07	3.10	---	3.29	3.22	4.96	3.29	3.49	---	2.73	2.89	3.02
21	3.95	4.47	---	3.13	3.19	3.64	4.57	3.02	---	2.70	3.14	2.97
22	5.65	4.38	---	3.10	3.17	3.39	3.37	---	---	2.68	3.04	3.05
23	3.71	3.31	---	3.08	3.14	3.28	3.07	---	---	3.08	2.85	2.95
24	3.31	3.17	3.15	3.07	3.13	3.23	3.01	---	---	3.62	2.84	2.92
25	3.19	3.12	3.12	3.13	3.13	3.18	2.98	3.08	---	3.80	2.83	2.92
26	3.13	3.18	3.10	3.97	3.11	3.15	2.95	3.16	2.89	4.18	2.83	2.90
27	3.72	3.19	3.11	---	3.12	3.13	2.94	---	3.80	3.04	4.36	2.88
28	3.93	3.27	3.13	---	3.10	3.10	2.94	5.53	3.67	2.93	3.36	2.85
29	3.24	4.32	3.11	---	---	3.08	2.95	4.47	2.95	2.92	2.93	2.84
30	3.10	7.50	3.10	3.15	---	3.08	2.94	3.28	2.91	2.89	2.90	2.86
31	3.43	---	3.90	3.12	---	3.06	---	3.09	---	2.86	3.04	---
MEAN	---	3.48	---	---	3.32	3.46	---	---	---	2.93	---	---
MAX	---	7.50	---	---	4.07	6.45	---	---	---	4.18	---	---
MIN	---	3.07	---	---	3.08	3.04	---	---	---	2.68	---	---

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 determination of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen is by the U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM)	PH (STAND-ARD UNITS)	PH LAB (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	TEMPER-ATURE, AIR (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)
NOV										
04...	1100	49	102	105	6.70	7.40	13.5	9.0	6.2	61
18...	0830	33	160	166	6.70	7.40	16.0	17.0	7.8	80
DEC										
02...	1445	134	88	93	6.70	7.30	13.0	12.0	7.5	72
JAN										
08...	1445	39	185	173	7.00	7.20	7.5	2.5	10.2	85
FEB										
05...	1100	144	--	211	6.90	7.10	12.5	17.0	8.1	--
MAR										
06...	0915	30	--	151	6.60	7.40	8.0	11.5	11.0	--
APR										
02...	0830	39	--	158	7.10	7.40	15.0	19.0	8.8	--
MAY										
07...	0730	26	190	177	7.20	7.30	18.0	19.5	7.3	--
JUN										
12...	0600	26	165	159	7.10	6.80	23.0	22.0	5.2	62
JUL										
10...	0930	12	205	209	7.50	7.40	26.5	31.0	7.1	91
AUG										
12...	0730	46	--	142	7.30	7.80	24.0	23.0	5.8	71
SEP										
02...	0730	51	80	75	6.60	7.00	19.0	20.5	7.1	78

DATE	TUR-BID-ITY (NTU)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, FECAL, EC BROTH (MPN)	ALKA-LINITY 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								
04...	29	1.3	--	34	0.280	0.070	0.050	3.4
18...	7.0	1.4	1100	56	0.250	0.050	0.040	5.7
DEC								
02...	51	1.3	4600	30	0.550	0.140	0.050	5.9
JAN								
08...	13	0.7	23000	42	0.660	0.950	0.200	5.6
FEB								
05...	32	6.7	100000	35	0.750	0.380	0.110	14
MAR								
06...	7.0	0.9	1700	49	0.470	0.090	0.040	3.3
APR								
02...	8.0	1.2	1300	51	0.400	0.040	0.040	6.0
MAY								
07...	10	1.7	3300	56	0.550	0.100	0.060	5.8
JUN								
12...	--	--	--	42	0.490	0.510	0.130	5.3
JUL								
10...	10	2.0	7900	62	0.370	0.110	0.060	5.4
AUG								
12...	25	4.7	76000	45	0.420	0.420	0.200	7.7
SEP								
02...	56	3.0	2300	22	0.290	0.110	0.070	9.6

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, at 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 mi^2, 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.--Estimated daily discharges: Jan. 24 to March 3. Records good except those of no gage-height record, Jan. 24 to Mar. 3, 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 hydroelectric plant.
AVERAGE DISCHARGE.--5 years, 2,564 ft^3/s, 21.76 in/yr.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 28,300 ft^3/s Feb. 3, 1982, gage height, 28.91 ft; minimum daily discharge, 917 ft^3/s Sept. 28, 1986.
EXTREMES OUTSIDE PERIOD OF RECORD: Flood of April 13, 1979, reached a stage of 30.71 ft from floodmarks, discharge, 32,000 ft^3/s.
EXTREMES FOR CURRENT YEAR.--Maximum discharge, 10,200 ft^3/s Oct. 1, gage height, 14.89 ft; minimum daily discharge, 917 ft^3/s Sept. 28.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6100	2090	3190	1960	1250	1240	1160	1120	1120	1220	5110	2260
2	2490	1650	2360	1560	1130	1190	1160	1120	1190	1580	1670	2110
3	1730	1720	1670	1520	1120	1220	1170	1090	1150	1620	1090	1720
4	1600	1490	1740	1590	1120	1160	1190	1070	1160	1380	1150	2560
5	1420	1530	1640	1530	1140	1190	1270	1120	1100	1300	1580	2750
6	1140	1450	1670	1500	1200	1390	1150	1050	1060	1030	1870	1790
7	1180	1600	1510	1590	1280	1290	1120	1050	1010	1110	1830	1410
8	1230	1240	1640	1160	1280	1360	1230	1160	1080	1650	2410	1190
9	1280	1580	1510	1200	1090	1180	1350	989	1140	2110	1870	1210
10	1310	1460	1500	1310	1130	1180	1400	997	1270	2180	1150	1160
11	1410	1460	1550	1370	1170	1200	1390	1030	1390	2320	1250	1060
12	1220	1690	2030	1170	1090	1140	1260	1130	1180	1750	1440	1840
13	1100	1590	5280	1160	1100	4690	1160	1180	1170	1020	1380	1520
14	1440	1530	2290	1240	1190	3840	1130	1090	1130	1130	1320	1050
15	2510	1570	1790	1420	1200	1890	1130	1090	1000	2620	1290	1040
16	3060	1500	1770	1360	1090	1420	1120	1080	1020	2960	1240	1050
17	3010	1230	1620	1400	1200	1280	1140	1080	1040	3040	1180	1130
18	3020	1370	1670	1520	1430	1470	1220	1100	1540	3150	1120	1720
19	2580	1520	1560	1630	1290	3480	1220	1940	1390	2620	1130	1340
20	1220	1650	1620	1280	1190	3550	1120	1690	1400	1050	1210	1210
21	1880	2230	1740	1340	1100	2240	1590	1270	1280	1110	1390	1060
22	3420	2340	1570	1390	1060	1740	1190	1160	1010	2650	1290	1050
23	2180	1780	1520	1370	1050	1340	1140	1140	1010	3010	1180	960
24	1300	1510	1630	1420	1080	1290	1180	1120	985	3400	1110	972
25	1130	1500	1540	1200	1150	1420	1110	1180	1200	3610	1040	1160
26	1150	1460	1440	1200	1340	1560	1180	1280	1480	3480	1000	1020
27	1410	1520	1430	1160	1400	1450	1060	1710	1630	1240	1770	950
28	1890	1570	1590	1120	1320	1530	1060	3240	1450	1430	1670	917
29	1480	2250	1600	1300	---	1390	1120	4400	1040	3940	1370	929
30	1200	5210	1450	1390	---	1160	1120	1670	977	4520	1140	1140
31	1410	---	1670	1310	---	1200	---	1320	---	4260	1100	---
TOTAL	58500	52290	56790	42670	33190	52680	35840	42666	35602	69490	46350	41278
MEAN	1887	1743	1832	1376	1185	1699	1195	1376	1187	2242	1495	1376
MAX	6100	5210	5280	1960	1430	4690	1590	4400	1630	4520	5110	2750
MIN	1100	1230	1430	1120	1050	1140	1060	989	977	1020	1000	917

CAL YR 1985 TOTAL 735190 MEAN 2014 MAX 9740 MIN 1050 MEAN† 1947 CFSM† 1.22 IN† 16.53
WTR YR 1986 TOTAL 567346 MEAN 1554 MAX 6100 MIN 917 MEAN† 1057 CFSM† .66 IN† 8.97

†Adjusted for change in contents in Lake Sidney Lanier.

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 mi^2.
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 chemical 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 is 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 1985 TO SEPTEMBER 1986

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM)	PH (STAND-ARD UNITS)	PH LAB (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	TEMPER-ATURE, AIR (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)
NOV										
04...	1130	1070	--	93	7.30	7.20	17.0	9.0	7.4	--
18...	0915	1050	--	84	7.00	7.10	22.0	18.0	7.7	--
DEC										
02...	1415	1700	102	93	7.20	7.30	18.0	12.0	7.4	--
JAN										
08...	1415	1150	--	112	7.10	7.20	14.0	2.5	10.0	--
FEB										
05...	1145	1550	--	133	7.00	7.10	15.0	17.0	9.2	--
MAR										
06...	1000	1350	--	78	7.00	7.00	10.5	11.5	10.3	--
APR										
02...	0915	1100	--	99	7.20	7.10	20.0	20.0	8.6	--
MAY										
07...	0815	959	--	97	7.00	7.00	20.0	20.0	7.7	--
JUN										
12...	0645	1050	--	96	7.00	6.70	24.0	23.0	7.0	85
JUL										
10...	0845	1370	82	78	7.00	6.90	25.5	31.0	6.6	83
AUG										
12...	0800	1160	92	90	6.90	7.20	23.0	23.0	7.3	87
SEP										
02...	0800	1600	70	66	6.70	7.00	19.0	20.5	8.6	95

DATE	TUR-BID-ITY (NTU)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, FECAL, EC BROTH (MPN)	ALKA-LINITY LAB (MG/L AS CACO3)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (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)
NOV										
04...	16	1.9	--	23	7	132	0.640	1.19	0.500	3.1
18...	9.0	3.5	<20	22	1	44	0.530	0.950	0.510	7.8
DEC										
02...	34	1.5	80	24	17	76	0.610	0.870	0.350	6.3
JAN										
08...	5.0	1.1	40	27	1	56	0.600	1.25	0.470	6.4
FEB										
05...	11	3.9	50	27	13	88	0.470	1.90	0.480	7.5
MAR										
06...	7.0	1.9	<20	22	14	44	0.420	0.910	0.260	2.7
APR										
02...	12	3.9	<20	28	15	84	0.620	1.29	0.450	6.7
MAY										
07...	11	4.6	<20	25	13	80	0.750	1.51	0.540	5.4
JUN										
12...	--	--	--	20	28	66	0.650	1.32	0.460	6.1
JUL										
10...	31	3.3	70	17	85	--	0.450	0.720	0.250	3.5
AUG										
12...	14	2.6	17000	21	15	--	0.340	0.250	0.360	2.9
SEP										
02...	33	3.4	7900	18	49	--	0.630	0.610	0.400	3.6

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 mi^2.

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.--No estimated daily discharges. Records good.
AVERAGE DISCHARGE.--50 years (water years 1905, 1938-86), 335 ft^3/s, 18.49 in/yr.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 10,700 ft^3/s Feb 4, 1982, gage height, 19.90 ft; minimum daily, 2.1 ft^3/s Oct. 9, 1954.
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 ft^3/s, from rating extended above 6,500 ft^3/s on basis of contracted-opening measurement at gage height, 18.2 ft.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,800 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)
Dec. 13	0400	1,200	4.58

Minimum discharge, 4.5 ft^3/s July 23, gage height, -0.02 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	208	298	674	228	158	162	169	89	97	28	28	119
2	295	388	709	217	163	156	162	83	91	35	24	145
3	287	324	508	197	161	153	156	75	78	30	14	103
4	202	239	347	185	158	151	154	71	74	23	9.6	334
5	154	195	276	176	174	157	149	73	72	20	8.0	352
6	127	172	240	170	204	162	150	73	66	18	7.0	224
7	115	159	215	165	229	150	146	69	61	17	6.3	147
8	103	149	201	161	206	139	148	72	115	15	6.0	79
9	98	140	194	156	184	137	167	66	104	14	27	60
10	100	138	188	157	189	137	149	65	121	16	26	49
11	96	139	183	160	276	139	140	60	151	13	18	44
12	91	135	289	159	259	139	135	57	168	11	14	74
13	85	132	1030	155	216	509	135	59	109	9.1	29	86
14	84	131	864	150	201	805	132	59	84	8.4	35	51
15	108	129	587	149	310	629	127	60	66	16	27	43
16	105	126	355	150	277	429	120	56	56	13	22	36
17	100	124	283	147	241	320	120	56	49	10	18	33
18	97	122	250	156	289	247	114	59	50	7.3	33	36
19	93	123	227	235	305	449	113	139	42	6.8	69	36
20	90	123	215	247	279	686	113	169	40	6.5	127	35
21	93	128	208	208	240	629	123	159	36	6.1	36	35
22	275	173	198	182	218	470	124	124	33	5.9	35	34
23	293	182	196	170	205	337	119	93	30	6.2	26	31
24	203	162	195	162	194	273	120	74	30	8.2	21	38
25	156	150	190	157	186	247	109	68	28	11	17	31
26	133	138	173	224	176	218	104	68	26	33	14	27
27	131	135	170	229	172	210	100	138	25	20	93	23
28	183	144	176	178	167	200	109	244	27	31	61	21
29	197	338	182	182	---	191	105	305	24	24	47	20
30	170	670	176	180	---	181	93	164	34	16	43	26
31	150	---	188	158	---	172	---	121	---	12	36	---
TOTAL	4622	5706	9887	5550	6037	8984	3905	3068	1987	490.5	976.9	2372
MEAN	149	190	319	179	216	290	130	99.0	66.2	15.8	31.5	79.1
MAX	295	670	1030	247	310	805	169	305	168	35	127	352
MIN	84	122	170	147	158	137	93	56	24	5.9	6.0	20
CFSM	.61	.77	1.30	.73	.88	1.18	.53	.40	.27	.06	.13	.32
IN.	.70	.86	1.50	.84	.91	1.36	.59	.46	.30	.07	.15	.36

CAL YR 1985 TOTAL 109216.0 MEAN 299 MAX 2250 MIN 71 CFSM 1.22 IN 16.52
WTR YR 1986 TOTAL 53585.4 MEAN 147 MAX 1030 MIN 5.9 CFSM .60 IN 8.10

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 determination of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen is by the U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM)	PH (STAND-ARD UNITS)	PH LAB (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	TEMPER-ATURE, AIR (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)
NOV										
06...	0930	176	78	76	7.40	7.10	14.0	14.5	6.6	66
18...	0930	123	88	83	7.10	7.10	16.5	18.0	7.4	76
DEC										
03...	1030	517	64	66	7.00	7.00	10.0	1.0	7.2	64
JAN										
07...	1100	166	--	72	7.30	7.30	8.0	7.0	11.0	--
FEB										
04...	0815	159	--	70	7.00	7.10	8.0	12.0	9.0	--
MAR										
06...	1030	155	--	70	7.10	7.00	8.5	12.0	10.4	--
31...	0845	177	--	74	7.10	6.90	15.0	25.0	8.3	--
MAY										
07...	0830	71	--	85	7.10	7.00	18.0	21.0	7.0	76
JUN										
10...	0700	87	87	82	7.00	6.90	23.0	25.0	6.2	74
JUL										
09...	0700	14	107	103	7.10	7.20	25.0	26.0	5.3	66
AUG										
12...	0845	14	100	94	6.90	7.20	24.0	23.0	4.8	59
SEP										
02...	0845	149	80	75	6.70	7.00	19.0	20.5	7.5	83

DATE	TUR-BID-ITY (NTU)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, FECAL, EC BROTH (MPN)	ALKA-LINITY 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...	23	1.4	220	26	0.170	0.100	0.470	3.4
18...	20	1.5	200	27	0.130	0.060	0.040	6.6
DEC								
03...	37	1.4	2300	19	0.220	0.120	0.040	9.2
JAN								
07...	11	0.8	--	25	0.030	0.100	<0.020	4.9
FEB								
04...	16	1.5	110	25	0.300	0.090	<0.020	6.4
MAR								
06...	16	1.3	50	26	0.260	0.090	<0.020	3.4
31...	19	1.3	--	23	0.240	0.050	0.030	8.9
MAY								
07...	24	1.2	<20	31	0.230	0.090	0.020	4.6
JUN								
10...	50	1.5	--	25	0.280	0.120	<0.020	3.1
JUL								
09...	24	<4.0	220	37	0.180	0.110	<0.020	4.3
AUG								
12...	35	2.0	700	32	0.230	0.150	0.040	4.9
SEP								
02...	150	2.5	230	20	0.200	0.110	0.060	8.9

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 pier of bridge 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 mi^2.

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.--Estimated daily discharges: Dec. 16 to Jan. 19. 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.
AVERAGE DISCHARGE.--21 years, 3,665 ft^3/s, 24.16 in/yr, unadjusted.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 37,500 ft^3/s Apr. 14, 1979, gage height, 25.18 ft; minimum daily, 1,000 ft^3/s July 1, 1970.
EXTREMES FOR CURRENT YEAR.--Maximum discharge, 11,100 ft^3/s Oct. 1, gage height, 11.42 ft; minimum daily, 1,130 ft^3/s Aug. 24, 26 and Sept. 28, 29.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5810	2550	4620	2300	1640	1630	1730	1530	1440	1290	5240	1930
2	5030	2410	3940	2100	1470	1460	1690	1510	1510	1730	2330	2590
3	2200	2120	2600	2000	1480	1450	1690	1490	1440	1820	1270	2060
4	2080	2060	2260	1900	1480	1450	1660	1450	1450	1680	1150	2340
5	1850	1850	2130	1900	1660	1450	1750	1470	1400	1510	1460	4350
6	1460	1780	1940	1900	1690	1620	1700	1480	1350	1270	1880	2170
7	1390	1770	1960	1800	1820	1570	1630	1400	1340	1220	1880	2260
8	1410	1650	1870	1800	1730	1630	1630	1640	1330	1480	2250	1520
9	1490	1590	1870	1700	1590	1430	1890	1390	1560	2250	2550	1450
10	1490	1930	1860	1600	1590	1450	1800	1380	1500	2270	1430	1460
11	1540	1700	1780	1700	2170	1470	1870	1380	2010	2290	1290	1280
12	1560	1790	2250	1700	1690	1430	1780	1460	1680	2220	1610	1740
13	1290	1820	6450	1600	1570	4120	1660	1570	1500	1340	1480	2100
14	1350	1750	3960	1600	1580	6340	1610	1490	1460	1140	1480	1360
15	2250	1770	2700	1700	2350	3370	1600	1470	1330	2220	1440	1250
16	3060	1800	2500	1700	1740	2360	1580	1460	1260	2970	1360	1270
17	3090	1450	2400	1800	1600	2040	1590	1460	1250	3030	1390	1270
18	3010	1530	2200	2000	2030	1830	1650	1460	1730	3180	1200	1840
19	3000	1670	2100	2200	2000	3450	1660	2180	1610	3010	1380	1720
20	1650	1800	2000	1720	1790	5720	1620	2820	1650	1430	1480	1470
21	1340	2130	2000	1640	1700	3530	2080	1800	1650	1180	1450	1310
22	3400	2900	2100	1690	1560	3000	1760	1630	1220	2300	1480	1270
23	3020	2210	1900	1680	1540	2140	1600	1580	1230	2950	1420	1200
24	1980	1840	2000	1720	1510	2030	1580	1510	1230	3390	1130	1150
25	1420	1770	1900	1670	1530	1960	1600	1500	1310	3540	1270	1400
26	1380	1730	1900	1870	1750	2180	1540	1840	1580	4250	1130	1250
27	1450	1750	1800	1710	1740	2090	1560	2010	1720	1620	1690	1170
28	2220	1740	1800	1530	1800	2080	1490	2740	1970	1390	1940	1130
29	1890	2390	1900	1620	---	2110	1520	5890	1220	3390	1690	1130
30	1670	6660	1900	1750	---	1730	1530	2190	1290	4190	1340	1170
31	1560	---	1800	1680	---	1730	---	1900	---	4120	1210	---
TOTAL	67340	61910	74390	55280	47800	71850	50050	56080	44220	71670	51300	49610
MEAN	2172	2064	2400	1783	1707	2318	1668	1809	1474	2312	1655	1654
MAX	5810	6660	6450	2300	2350	6340	2080	5890	2010	4250	5240	4350
MIN	1290	1450	1780	1530	1470	1430	1490	1380	1220	1140	1130	1130

CAL YR 1985	TOTAL	925250	MEAN	2535	MAX	11300	MIN	1290	MEAN†	2468	CFSM†	1.20	IN†	16.27
WTR YR 1986	TOTAL	701500	MEAN	1922	MAX	6660	MIN	1130	MEAN†	1425	CFSM†	.69	IN†	9.39

†Adjusted for change in contents in Lake Sidney Lanier.

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 recorded hourly.
REMARKS.--Laboratory chemical 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, 192 microsiemens Feb. 20, 1979; minimum, 33 microsiemens July 7, 1976, May 3, 1985.
pH: Maximum recorded, 7.5 units Nov. 20-23, 1980; minimum, 5.5 units Aug. 12, Sept. 13, 1978.
WATER TEMPERATURE: Maximum, 32.0°C June 24, 1981; minimum, 2.5°C Jan. 12, 1982.
DISSOLVED OXYGEN: Maximum, 13.1 mg/L Mar. 24, 1977; minimum, 1.6 mg/L July 26, 1977.
EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum, 169 microsiemens Sept. 24; minimum, 60 microsiemens July 30.
pH: Maximum, 7.3 units Oct. 5, 6; minimum, 6.3 units July 4, Aug. 9, Sept. 2, 19, 29.
WATER TEMPERATURE: Maximum, 30.0°C June 24; minimum, 7.0°C Dec. 26, Jan. 28.
DISSOLVED OXYGEN: Maximum, 10.6 mg/L Jan. 30; minimum, 2.9 mg/L June 25.

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM)	PH (STAND-ARD UNITS)	PH LAB (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	TEMPER-ATURE, AIR (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)
OCT										
07...	0700	1420	130	--	6.90	6.90	18.0	8.0	6.9	74
NOV										
04...	0830	2310	100	89	6.80	7.10	17.5	10.0	7.3	79
DEC										
02...	0800	4670	82	74	6.90	7.20	16.0	4.0	7.9	82
JAN										
06...	0800	--	120	98	6.90	6.90	10.5	-2.0	9.2	84
FEB										
05...	0800	1600	145	123	6.90	6.90	15.0	17.0	7.6	77
MAR										
06...	0730	1540	135	123	7.00	6.90	13.0	7.5	8.1	80
APR										
16...	1200	1540	139	133	6.90	6.80	18.5	16.5	6.2	68
MAY										
13...	1545	1560	143	138	6.90	6.90	23.0	27.0	5.6	67
JUN										
12...	1415	1540	124	117	6.80	6.70	27.0	31.0	5.1	66
JUL										
08...	0800	1590	122	119	6.70	6.80	27.0	25.5	4.9	63
AUG										
06...	0800	2670	105	101	6.50	7.00	26.0	23.0	6.1	--
SEP										
04...	1415	1670	98	94	6.80	7.10	21.0	27.0	6.9	80

02337170 CHATTAHOOCHEE RIVER NEAR FAIRBURN, GA.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

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 LAB (MG/L AS CACO3)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (MG/L)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)
OCT									
07...	15	10	3.5	140	25	9	92	1.30	1.00
NOV									
04...	35	15	4.0	--	22	35	128	1.00	0.610
DEC									
02...	70	17	4.3	49000	21	70	176	0.610	0.350
JAN									
06...	9.0	6	1.6	330	27	4	68	1.12	1.17
FEB									
05...	10	15	6.0	50	28	10	92	1.20	1.54
MAR									
06...	10	14	1.9	4600	30	16	90	0.990	1.98
APR									
16...	14	13	4.8	--	27	8	80	1.40	1.13
MAY									
13...	13	18	4.8	33000	28	13	94	1.58	1.36
JUN									
12...	30	--	3.8	790	20	38	88	1.22	0.750
JUL									
08...	15	11	--	790	18	21	--	1.95	0.910
AUG									
06...	20	14	3.9	1300	19	31	--	1.41	0.790
SEP									
04...	36	10	4.2	1100	18	41	--	1.00	0.580

DATE	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					
07...	0.50	1.5	2.8	0.760	2.4
NOV					
04...	0.19	0.80	1.8	0.460	4.1
DEC					
02...	0.15	0.50	1.1	0.360	7.6
JAN					
06...	0.43	1.6	2.7	0.640	4.2
FEB					
05...	5.4	6.9	8.1	0.690	8.9
MAR					
06...	1.6	3.6	4.6	0.670	4.7
APR					
16...	0.07	1.2	2.6	0.800	8.5
MAY					
13...	0.14	1.5	3.1	0.960	5.6
JUN					
12...	--	--	--	0.610	4.1
JUL					
08...	0.09	1.0	3.0	1.17	4.9
AUG					
06...	0.61	1.4	2.8	0.900	4.6
SEP					
04...	0.82	1.4	2.4	0.660	7.3

02337170 CHATTAHOOCHEE RIVER NEAR FAIRBURN, GA.--Continued

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	134	62	158	101	95	72	142	101	147	115	140	118
2	91	63	114	96	96	80	108	89	143	124	135	124
3	114	93	119	111	119	96	128	106	128	119	125	119
4	127	98	116	100	128	103	139	105	144	124	140	119
5	135	111	132	113	135	101	126	99	153	135	144	129
6	127	116	142	117	139	108	119	95	154	137	137	108
7	131	120	142	115	141	108	132	105	149	123	132	109
8	140	123	140	111	134	98	153	121	136	116	138	113
9	152	123	148	119	123	95	151	140	128	117	133	119
10	148	122	133	99	130	102	152	140	123	116	123	117
11	145	118	127	103	134	109	141	114	136	107	141	118
12	143	121	138	104	136	112	131	124	128	109	138	129
13	147	130	140	102	124	67	---	---	132	122	135	75
14	135	122	144	103	94	72	---	---	135	121	82	69
15	137	88	154	106	103	88	---	---	127	100	101	83
16	98	74	154	107	111	88	135	114	112	101	114	101
17	100	77	143	123	124	100	147	115	116	108	120	110
18	96	76	138	111	136	105	147	115	126	113	131	109
19	90	75	138	111	140	117	136	108	122	101	---	---
20	121	86	151	114	138	106	114	105	128	114	---	---
21	130	120	146	105	140	107	129	113	132	116	---	---
22	139	86	140	99	133	99	141	114	136	125	---	---
23	108	77	118	95	125	98	140	112	134	122	---	---
24	134	96	129	102	130	104	141	111	125	118	---	---
25	152	135	124	98	136	102	138	112	135	117	---	---
26	159	144	140	109	117	89	138	115	137	111	---	---
27	147	131	151	108	120	108	120	110	134	105	---	---
28	134	107	144	104	134	99	143	121	133	100	143	104
29	129	96	125	92	123	93	138	118	---	---	136	98
30	141	106	94	69	116	97	138	114	---	---	131	118
31	152	128	---	---	140	110	141	117	---	---	121	110
MONTH	159	62	158	69	141	67	153	89	154	100	144	69

	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	138	112	147	134	141	131	150	130	78	67	133	88
2	138	128	143	130	134	120	146	108	107	77	98	76
3	142	128	142	131	148	124	130	98	137	86	121	92
4	146	129	144	125	153	135	141	96	135	125	140	74
5	142	118	133	120	157	135	125	92	148	108	92	75
6	131	116	144	118	163	147	119	109	143	85	115	94
7	125	114	155	140	161	141	123	111	137	85	120	105
8	140	121	151	132	160	140	130	117	129	83	127	113
9	148	122	161	137	145	125	131	81	111	82	139	119
10	133	116	166	148	148	130	112	78	128	111	153	124
11	133	110	154	134	134	122	113	80	132	119	156	139
12	141	113	134	124	142	123	112	79	134	104	152	124
13	129	115	143	121	151	131	129	102	142	110	122	98
14	124	113	142	131	156	132	141	127	137	115	138	113
15	141	122	147	136	146	127	144	76	141	113	145	128
16	---	---	151	140	138	127	91	67	145	118	153	130
17	---	---	151	142	158	130	90	67	148	125	157	140
18	---	---	143	128	152	100	96	67	131	121	144	128
19	---	---	127	88	131	102	88	68	141	119	132	107
20	---	---	111	89	136	95	126	80	143	114	140	119
21	---	---	126	105	138	90	137	127	145	116	141	129
22	---	---	140	122	145	114	145	75	133	117	137	119
23	---	---	143	132	132	124	108	71	141	115	152	129
24	145	130	143	128	149	124	102	73	154	122	169	157
25	140	125	139	126	163	141	108	70	137	115	164	124
26	149	129	124	106	136	112	89	71	153	123	168	137
27	134	111	119	93	116	91	127	81	149	122	159	141
28	132	121	115	99	---	---	131	120	124	97	160	145
29	147	123	98	62	---	---	144	62	138	103	147	136
30	155	138	116	82	136	120	82	60	152	120	164	140
31	---	---	131	106	---	---	76	61	146	123	---	---
MONTH	155	110	166	62	163	90	150	60	154	67	169	74
YEAR	169	60										

02337170 CHATTAHOOCHEE RIVER NEAR FAIRBURN, GA.--Continued

PH (STANDARD UNITS), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	6.9	6.7	6.9	6.8	7.2	6.6	7.0	7.0	7.0	6.9	7.1	6.9
2	6.9	6.7	6.9	6.9	7.2	6.8	7.0	6.9	7.0	6.9	7.0	7.0
3	6.9	6.5	6.9	6.8	6.9	6.9	7.0	6.9	7.0	6.9	7.0	6.8
4	7.0	6.6	6.8	6.8	7.0	6.9	7.0	6.9	6.9	6.9	6.9	6.9
5	7.3	6.8	6.9	6.8	7.0	6.9	7.0	6.9	7.0	6.9	6.9	6.9
6	7.3	6.7	6.9	6.8	6.9	6.9	6.9	6.9	7.0	6.9	7.0	6.9
7	7.1	6.8	6.8	6.8	6.9	6.8	6.9	6.9	6.9	6.9	7.0	7.0
8	6.9	6.8	6.8	6.8	6.8	6.8	6.9	6.8	6.9	6.9	7.0	7.0
9	6.9	6.8	6.8	6.7	6.8	6.7	6.8	6.8	7.0	6.9	7.0	7.0
10	6.9	6.8	6.7	6.7	6.7	6.6	6.8	6.8	7.0	6.9	7.0	6.9
11	6.9	6.8	6.7	6.6	7.0	6.6	6.8	6.7	7.0	6.9	7.0	7.0
12	6.9	6.8	6.7	6.5	7.0	6.9	6.8	6.7	7.1	7.0	7.0	6.8
13	6.8	6.7	6.8	6.5	6.9	6.8	---	---	7.1	7.0	6.9	6.6
14	6.7	6.5	6.8	6.7	6.9	6.9	---	---	7.0	7.0	6.8	6.7
15	---	---	6.8	6.7	7.0	7.0	---	---	7.0	7.0	6.9	6.9
16	6.7	6.7	6.7	6.7	7.1	7.0	7.0	6.9	7.1	7.0	7.0	6.9
17	6.8	6.7	6.7	6.6	7.1	7.0	7.0	6.9	7.0	7.0	7.0	6.9
18	6.8	6.8	6.7	6.6	7.1	7.1	7.0	6.9	7.0	7.0	7.0	6.9
19	6.8	6.6	---	---	7.1	7.1	6.9	6.9	7.0	6.9	---	---
20	6.7	6.5	---	---	7.1	7.0	7.0	6.9	6.9	6.9	---	---
21	6.6	6.5	6.9	6.9	7.1	7.0	7.0	7.0	6.9	6.9	---	---
22	6.7	6.5	6.9	6.9	7.1	7.0	7.0	6.9	6.9	6.8	---	---
23	6.8	6.6	7.0	6.9	7.0	7.0	6.9	6.9	6.9	6.8	---	---
24	6.8	6.8	7.0	6.9	7.0	6.9	6.9	6.8	6.9	6.9	---	---
25	6.8	6.7	7.0	6.9	7.0	6.9	6.9	6.8	6.9	6.9	---	---
26	6.7	6.7	6.9	6.9	7.0	6.9	7.0	6.9	7.0	6.9	---	---
27	6.7	6.7	6.9	6.8	7.0	6.9	7.0	7.0	7.0	6.9	---	---
28	6.7	6.6	6.8	6.8	7.1	7.0	7.0	7.0	6.9	6.9	7.2	7.1
29	6.7	6.6	6.8	6.8	7.1	7.0	7.0	7.0	---	---	7.2	7.1
30	6.9	6.7	6.8	6.6	7.1	7.0	7.0	7.0	---	---	7.1	7.1
31	6.9	6.8	---	---	7.0	6.7	7.0	6.9	---	---	7.0	7.0
MONTH	7.3	6.5	7.0	6.5	7.2	6.6	7.0	6.7	7.1	6.8	7.2	6.6
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	7.0	6.9	7.1	6.7	7.0	6.9	6.9	6.7	7.1	6.8	6.5	6.4
2	7.0	7.0	6.9	6.7	7.0	6.9	6.8	6.7	7.0	6.8	6.5	6.3
3	7.0	7.0	6.9	6.7	6.9	6.9	6.8	6.6	7.0	6.7	6.7	6.4
4	7.0	6.9	7.0	6.7	6.9	6.8	6.6	6.3	6.9	6.6	6.9	6.6
5	7.0	6.9	7.1	6.8	6.8	6.8	6.6	6.5	6.9	6.6	6.8	6.5
6	6.9	6.8	7.0	6.9	6.9	6.8	6.5	6.4	6.9	6.5	7.0	6.8
7	6.9	6.8	7.0	6.8	6.9	6.8	6.7	6.5	6.9	6.5	6.9	6.7
8	6.9	6.8	7.0	6.8	6.9	6.8	6.9	6.7	6.9	6.4	7.1	6.6
9	7.0	6.9	7.2	6.9	6.9	6.8	6.9	6.8	6.8	6.3	6.8	6.7
10	7.1	7.0	7.1	7.0	6.8	6.7	6.8	6.7	6.8	6.6	6.7	6.6
11	7.0	6.8	7.0	6.9	6.8	6.6	6.8	6.7	6.7	6.5	6.8	6.7
12	7.0	7.0	6.9	6.9	6.9	6.7	6.8	6.7	6.7	6.6	6.9	6.7
13	7.2	6.8	6.9	6.8	6.9	6.8	6.8	6.7	6.9	6.8	6.9	6.6
14	7.2	6.7	7.0	6.8	6.8	6.8	6.9	6.8	6.8	6.7	6.9	6.7
15	7.1	7.0	6.9	6.8	6.8	6.7	6.9	6.8	6.9	6.7	6.8	6.7
16	---	---	6.8	6.8	6.7	6.6	7.0	6.8	6.9	6.7	6.8	6.6
17	---	---	6.9	6.7	6.9	6.7	7.0	6.8	6.8	6.6	6.7	6.6
18	---	---	6.8	6.7	6.8	6.6	7.0	6.8	6.8	6.5	6.6	6.5
19	---	---	6.7	6.5	6.7	6.6	7.0	6.9	7.0	6.6	6.6	6.3
20	---	---	6.7	6.5	6.8	6.6	7.0	6.9	7.0	6.8	6.9	6.6
21	---	---	6.7	6.6	6.7	6.6	6.9	6.8	6.9	6.8	7.0	6.7
22	---	---	6.8	6.6	6.8	6.7	7.0	6.7	7.0	6.8	6.8	6.7
23	---	---	6.9	6.8	6.8	6.7	7.1	6.9	7.0	6.8	6.8	6.7
24	7.1	6.5	6.9	6.8	6.8	6.7	7.1	6.8	7.0	6.7	7.0	6.8
25	7.3	6.6	7.0	6.9	6.8	6.7	7.2	6.9	6.9	6.7	6.8	6.6
26	7.2	6.7	7.0	6.9	6.7	6.5	7.0	6.8	6.9	6.7	6.7	6.5
27	7.2	6.8	7.0	6.8	6.6	6.5	7.0	6.9	6.8	6.7	6.8	6.5
28	7.0	6.8	6.9	6.8	---	---	6.9	6.6	6.7	6.6	6.7	6.4
29	7.0	6.8	6.9	6.6	---	---	7.0	6.7	6.7	6.5	6.5	6.3
30	7.0	6.8	6.9	6.8	6.9	6.8	7.1	6.8	6.7	6.5	6.6	6.4
31	---	---	7.0	6.8	---	---	7.1	6.8	6.6	6.5	---	---
MONTH	7.3	6.5	7.2	6.5	7.0	6.5	7.2	6.3	7.1	6.3	7.1	6.3
YEAR	7.3	6.3										

02337170 CHATTAHOOCHEE RIVER NEAR FAIRBURN, GA.--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	22.0	19.0	18.5	17.5	---	---	10.0	7.5	11.0	10.0	10.5	8.5
2	20.0	18.0	18.5	17.5	16.0	14.5	10.0	8.0	13.0	10.5	11.5	9.0
3	21.5	20.0	18.5	18.0	14.5	12.5	11.5	10.0	13.5	11.5	14.0	10.5
4	---	---	18.0	16.0	13.0	11.5	12.5	11.0	14.5	13.0	14.5	12.5
5	---	---	17.0	14.5	13.0	11.5	12.0	10.5	16.0	15.0	14.5	13.0
6	---	---	16.0	15.0	13.0	11.5	10.5	9.5	15.5	15.0	15.5	12.5
7	19.5	18.0	16.0	14.0	13.0	10.5	11.0	9.5	15.0	14.5	13.5	12.0
8	20.0	19.0	16.0	14.0	12.5	11.5	11.0	9.5	14.5	14.0	13.5	12.0
9	20.5	19.5	15.5	14.5	13.5	12.0	10.5	9.5	14.5	13.0	15.0	13.0
10	21.5	20.5	15.5	14.0	14.0	12.5	11.0	10.5	14.5	13.5	16.0	14.5
11	22.0	21.5	17.0	15.5	14.5	13.0	11.0	10.0	14.5	11.5	18.5	16.5
12	22.5	21.0	18.5	15.5	15.5	14.0	11.0	10.0	11.5	10.0	19.5	18.0
13	23.5	21.5	19.5	17.0	16.5	14.5	---	---	10.5	9.5	19.0	16.0
14	23.0	21.5	20.0	17.5	14.0	11.5	---	---	10.0	9.5	15.5	14.0
15	---	---	20.5	17.5	11.5	10.0	---	---	10.0	8.5	16.0	14.5
16	19.5	17.5	20.5	18.0	10.5	9.0	11.0	10.5	11.5	8.5	17.0	16.0
17	19.5	17.0	21.0	19.0	10.5	9.0	13.0	11.5	12.0	10.0	17.5	15.5
18	19.0	17.0	20.0	19.0	11.5	10.0	14.0	12.0	13.0	11.5	19.0	16.5
19	20.5	18.5	21.0	19.0	11.0	9.5	13.5	12.5	14.5	13.0	---	---
20	---	---	21.0	18.5	10.5	9.0	12.5	11.5	16.0	14.5	---	---
21	---	---	19.5	18.0	10.0	8.5	12.0	10.5	16.5	15.5	---	---
22	---	---	19.5	18.0	9.5	8.0	13.5	11.5	16.5	15.5	---	---
23	18.0	17.0	19.0	17.0	11.0	9.0	13.5	11.5	16.0	14.5	---	---
24	20.5	18.0	18.0	17.0	11.0	10.0	12.5	11.5	14.5	13.5	---	---
25	21.5	19.5	18.5	17.0	11.0	8.0	12.0	11.0	14.0	13.0	---	---
26	22.0	20.0	19.5	17.5	8.5	7.0	11.5	10.0	13.5	13.0	---	---
27	20.0	18.5	20.0	18.0	9.0	8.0	9.5	8.0	14.5	13.5	---	---
28	19.5	18.0	20.5	18.5	10.5	9.0	8.0	7.0	14.0	10.5	18.0	17.5
29	19.0	17.5	20.0	18.0	10.0	9.0	8.5	7.5	---	---	18.0	17.0
30	18.5	16.0	19.5	18.0	10.0	9.5	8.5	8.0	---	---	20.0	17.0
31	17.5	16.5	---	---	10.5	9.0	10.0	8.5	---	---	20.0	17.5
MONTH	23.5	16.0	21.0	14.0	16.5	7.0	14.0	7.0	16.5	8.5	20.0	8.5
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	21.0	19.0	22.0	20.0	26.5	24.0	28.0	25.5	20.0	17.0	21.0	20.0
2	22.0	19.5	22.5	20.0	26.5	24.5	27.0	24.5	22.5	19.0	20.5	19.0
3	21.5	19.5	21.0	19.0	24.5	22.5	25.5	23.5	27.0	21.5	21.0	19.5
4	21.5	19.5	20.0	17.0	24.0	22.0	25.0	24.0	28.0	25.0	23.0	21.0
5	21.0	19.0	21.0	18.0	25.0	23.5	25.5	23.5	26.5	25.5	22.5	21.0
6	21.0	18.5	22.0	19.5	26.0	23.5	27.5	24.5	27.0	22.5	24.0	22.0
7	21.0	18.5	21.5	20.5	26.5	24.5	28.5	25.5	25.5	21.0	24.0	23.0
8	20.5	19.0	23.5	21.0	27.5	25.0	28.0	27.0	24.5	20.5	25.0	22.5
9	19.0	16.5	23.0	20.5	26.5	25.5	28.0	21.5	24.0	20.5	25.5	24.0
10	17.5	16.0	23.0	20.5	28.0	26.0	25.0	21.0	25.0	23.0	25.0	23.0
11	17.0	15.5	24.0	21.5	26.5	25.5	24.5	21.0	25.5	24.0	25.5	23.5
12	17.0	16.5	23.0	21.5	27.0	26.0	24.5	21.0	25.5	24.0	25.0	23.0
13	18.0	15.5	23.0	22.0	26.5	25.5	26.0	22.5	26.0	23.0	23.0	22.0
14	19.5	17.0	24.5	22.5	26.5	25.5	28.5	25.0	23.5	23.0	25.0	22.0
15	20.5	18.0	25.0	22.5	27.0	25.0	27.5	23.0	25.0	23.5	25.5	23.5
16	---	---	24.5	23.0	27.5	25.5	22.5	19.5	26.0	23.5	26.0	24.5
17	---	---	25.5	23.0	29.5	26.5	23.0	19.5	25.0	23.0	25.5	24.0
18	---	---	24.5	21.5	28.0	24.5	22.0	18.5	26.0	23.5	24.0	21.0
19	---	---	21.5	20.0	26.5	24.5	22.0	19.0	27.5	25.0	22.5	21.5
20	---	---	21.0	20.0	25.5	25.0	25.5	21.0	27.0	25.0	24.0	22.5
21	---	---	21.5	20.5	26.5	25.0	29.0	24.5	26.5	24.5	26.0	23.0
22	---	---	22.0	19.0	29.0	25.0	28.5	24.0	25.5	25.0	27.0	24.5
23	---	---	23.0	21.0	28.0	25.5	23.5	18.0	26.5	25.0	26.5	25.0
24	17.0	14.0	24.0	22.5	30.0	27.0	21.0	18.5	29.0	24.5	28.0	27.0
25	18.0	14.5	24.5	22.5	29.5	27.5	21.0	19.0	27.0	25.5	27.0	24.5
26	20.0	16.0	24.0	23.0	27.0	25.5	21.0	20.0	29.0	25.5	27.5	25.0
27	21.0	17.5	24.5	22.5	26.0	24.5	23.0	20.5	28.0	25.5	28.0	25.5
28	20.0	18.5	23.5	22.0	---	---	26.0	22.5	25.5	22.5	28.0	25.5
29	22.0	18.5	22.5	21.0	---	---	26.5	18.0	24.0	21.5	28.0	26.0
30	22.5	20.0	24.5	21.0	26.5	24.5	19.5	17.5	23.0	20.5	28.0	26.5
31	---	---	25.0	23.5	---	---	19.0	17.0	21.5	20.5	---	---
MONTH	22.5	14.0	25.5	17.0	30.0	22.0	29.0	17.0	29.0	17.0	28.0	19.0
YEAR	30.0	7.0										

02337170 CHATTAHOOCHEE RIVER NEAR FAIRBURN, GA.--Continued

OXYGEN, DISSOLVED (DO), MG/L, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	7.1	6.2	7.5	6.5	---	---	10.2	9.2	9.9	9.2	9.8	8.6
2	7.0	6.3	7.6	7.0	8.3	7.9	10.3	9.5	9.2	8.7	9.6	9.0
3	---	---	7.5	7.0	8.9	8.2	9.6	8.8	8.8	8.2	9.1	8.2
4	---	---	7.4	7.1	9.5	8.7	9.4	8.6	8.3	7.7	8.5	7.8
5	---	---	7.8	6.8	9.6	8.7	9.4	8.7	7.7	7.3	8.5	7.8
6	---	---	8.1	7.2	9.3	8.5	9.8	9.0	7.7	7.3	8.5	7.8
7	7.0	6.7	8.2	7.2	9.5	8.4	9.9	9.1	8.3	7.4	8.9	8.1
8	6.8	6.4	8.4	7.4	9.5	8.7	9.4	8.9	8.6	7.8	8.8	8.2
9	7.2	6.2	8.2	7.4	9.3	8.1	9.5	9.0	8.8	8.2	8.5	7.8
10	6.8	6.1	8.7	7.6	8.7	7.9	9.3	9.0	8.3	7.9	8.2	7.3
11	6.6	6.0	7.9	7.3	8.9	8.1	9.6	8.8	8.6	7.8	7.3	6.7
12	6.5	5.8	7.8	6.8	8.4	7.7	9.3	8.9	9.3	8.6	6.7	6.2
13	6.0	5.4	7.6	6.6	8.5	7.5	---	---	9.7	9.2	6.7	6.0
14	5.7	5.2	7.5	6.1	9.1	8.5	---	---	9.9	9.4	8.2	6.8
15	---	---	7.4	6.0	9.8	9.2	---	---	10.0	9.5	8.1	7.7
16	8.0	7.2	7.3	6.2	10.2	9.4	9.8	9.3	10.0	9.4	7.7	7.2
17	8.1	7.2	6.6	6.1	10.1	9.2	9.4	8.6	9.7	8.9	7.4	7.1
18	8.2	7.2	6.7	6.2	9.7	8.9	9.2	8.4	9.1	8.2	7.1	6.5
19	7.2	6.4	6.8	5.9	9.4	8.8	8.5	7.6	9.2	7.8	---	---
20	---	---	6.9	5.8	9.6	8.8	8.9	8.3	8.2	7.5	---	---
21	---	---	7.1	5.6	9.7	8.8	9.1	8.8	7.8	7.1	---	---
22	---	---	7.0	5.6	10.0	9.2	9.0	8.3	7.2	7.0	---	---
23	7.6	6.8	7.5	6.6	9.5	9.1	9.2	8.3	7.8	7.3	---	---
24	7.6	6.6	7.6	6.9	9.4	8.6	9.4	8.5	8.3	7.7	---	---
25	6.9	6.5	7.6	6.8	9.5	8.4	9.5	8.9	8.4	7.8	---	---
26	7.1	6.6	7.3	6.2	10.5	9.3	9.3	8.9	9.0	8.0	---	---
27	7.8	7.3	7.3	6.0	10.5	9.9	9.9	9.4	8.8	7.9	---	---
28	8.3	8.0	7.3	6.1	10.3	9.4	10.2	9.8	9.0	8.0	7.8	6.9
29	8.8	7.4	7.3	6.4	10.1	9.4	10.5	10.1	---	---	7.9	7.1
30	7.9	6.7	7.2	6.7	9.9	9.4	10.6	9.8	---	---	7.4	7.1
31	7.2	6.7	---	---	9.7	9.2	10.3	9.5	---	---	7.3	6.9
MONTH	8.8	5.2	8.7	5.6	10.5	7.5	10.6	7.6	10.0	7.0	9.8	6.0
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	6.9	6.4	6.2	5.8	5.4	4.8	5.0	4.4	8.3	6.6	6.5	5.8
2	6.5	6.3	6.2	5.8	5.2	5.0	5.7	4.7	7.4	6.5	7.4	6.4
3	6.4	6.2	6.5	6.0	5.5	5.0	6.5	5.0	7.1	4.0	7.0	6.3
4	6.6	6.0	6.8	6.3	5.5	5.4	6.6	5.5	5.5	5.1	6.9	5.7
5	6.9	6.5	6.5	6.0	5.4	5.1	6.4	5.9	6.2	5.3	7.1	6.1
6	7.0	6.6	6.0	5.5	5.3	4.9	5.9	5.2	7.0	5.5	6.7	5.7
7	6.8	6.3	5.5	5.3	5.0	4.8	5.4	5.0	7.5	5.9	6.3	5.4
8	6.2	5.7	6.4	4.4	4.8	4.6	5.0	4.8	7.5	4.9	6.1	5.6
9	6.5	5.8	6.0	5.3	4.8	4.5	7.0	4.9	7.1	4.0	5.7	5.1
10	7.3	6.6	5.4	4.7	4.8	4.3	7.2	5.8	6.6	5.7	5.8	5.1
11	7.7	7.0	5.1	4.9	5.0	4.5	7.1	5.9	6.0	5.6	5.6	5.0
12	7.5	6.9	5.5	5.2	5.1	4.5	7.1	5.9	6.2	5.5	5.9	5.1
13	7.5	7.1	5.7	5.4	4.9	4.4	6.4	5.2	6.7	5.9	6.7	5.7
14	7.1	6.6	5.5	5.3	5.1	4.6	5.2	4.5	6.6	6.2	6.3	5.2
15	6.7	6.3	5.3	5.1	4.9	4.7	6.4	4.1	6.3	5.8	5.5	4.7
16	---	---	5.2	4.9	4.8	4.5	7.4	6.5	6.2	5.5	4.9	4.6
17	---	---	5.2	5.0	4.6	3.5	7.6	6.5	6.0	4.7	4.9	4.4
18	---	---	5.7	4.9	5.6	4.1	7.8	6.7	5.9	5.4	6.0	4.8
19	---	---	6.2	5.6	5.7	5.0	7.7	6.8	5.5	4.8	6.6	4.9
20	---	---	6.5	5.8	6.0	4.9	7.2	5.4	5.5	4.7	6.0	4.4
21	---	---	6.3	6.0	6.0	4.8	5.4	4.5	5.8	5.0	5.7	5.0
22	---	---	6.4	5.8	5.4	4.5	6.6	4.1	5.9	5.4	5.3	4.7
23	---	---	5.8	5.6	5.0	4.7	7.8	5.9	5.9	4.8	4.9	4.5
24	8.1	7.5	5.5	5.1	4.7	3.9	7.5	6.0	5.8	4.4	4.0	3.9
25	8.1	7.2	5.3	4.2	4.2	2.9	7.5	5.7	5.7	4.9	5.3	4.1
26	7.3	6.7	5.3	5.0	5.4	3.7	7.2	5.1	5.3	4.4	5.1	4.4
27	7.3	6.5	5.9	5.1	5.9	4.5	7.2	6.0	5.0	4.2	4.7	4.1
28	6.7	6.2	5.9	5.2	---	---	6.1	5.1	6.4	4.8	4.4	4.1
29	6.3	5.7	6.7	4.5	---	---	8.1	5.1	6.7	5.4	4.4	4.1
30	6.2	5.7	6.6	5.5	5.6	4.8	8.2	7.6	6.2	5.5	4.4	3.9
31	---	---	5.7	5.2	---	---	8.4	7.8	6.2	5.7	---	---
MONTH	8.1	5.7	6.8	4.2	6.0	2.9	8.4	4.1	8.3	4.0	7.4	3.9
YEAR	10.6	2.9										

02337500 SNAKE CREEK NEAR WHITESBURG, GA.

LOCATION.--Lat 33°31'46", long 84°55'42", Carroll County, Hydrologic Unit 03130002, at downstream end of left bank pier of highway bridge, at Banning Mills, 1.5 mi north of State Highway 16, 3 mi northwest of Whitesburg, 4 mi downstream from Little Snake Creek, and 7 mi upstream from mouth.
DRAINAGE AREA.--37 mi^2, approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--September 1954 to current year.
GAGE.--Water-stage recorder. Elevation of gage is 850 ft above National Geodetic Vertical Datum of 1929 (from topographic map).
REMARKS.--Estimated daily discharge: Jan. 29. Records good.
AVERAGE DISCHARGE.--32 years, 57.5 ft^3/s, 21.10 in/yr.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 7,690 ft^3/s Feb. 25, 1961, gage height, 14.40 ft; minimum, 2.3 ft^3/s Oct. 7, 1954, gage height, 1.56 ft.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)
Mar. 13	1200	*199	*3.13

Minimum discharge, 4.0 ft^3/s Aug. 26, gage height, 1.71 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	94	70	66	36	27	30	36	22	20	9.6	6.2	17
2	52	42	61	31	26	29	36	22	20	9.8	5.9	14
3	36	40	45	30	26	30	35	21	18	9.6	5.2	12
4	30	34	40	29	26	29	34	21	19	8.9	4.8	11
5	27	30	37	29	32	29	34	21	18	8.5	4.6	13
6	24	29	34	28	36	29	33	21	18	8.2	4.6	12
7	23	28	32	28	32	29	33	21	18	8.1	4.6	9.9
8	22	26	31	27	30	28	33	20	17	8.0	5.0	9.1
9	22	26	30	27	29	29	32	20	17	8.4	6.1	8.2
10	21	25	29	28	33	29	30	19	18	7.8	6.7	8.8
11	21	26	29	27	39	29	30	19	19	7.1	7.1	8.9
12	20	25	42	27	34	29	30	20	17	7.2	12	9.8
13	21	25	79	26	32	105	30	23	16	8.9	8.5	9.4
14	21	24	53	26	34	87	31	20	16	7.9	7.8	8.1
15	20	24	43	26	41	62	29	20	15	7.3	7.5	8.6
16	21	24	40	26	36	51	29	21	15	7.0	7.3	8.2
17	22	24	37	26	36	44	28	22	14	13	8.1	7.9
18	22	24	35	31	47	41	28	23	13	19	7.2	8.7
19	22	23	33	36	43	67	28	45	13	9.7	6.4	9.0
20	21	24	32	30	39	106	28	36	13	8.3	5.9	8.3
21	21	25	31	29	37	75	29	27	12	7.6	5.9	7.6
22	21	32	31	28	36	60	29	23	11	12	6.2	7.2
23	22	26	31	27	34	53	27	22	11	9.1	5.5	6.9
24	23	25	31	26	33	48	27	21	11	9.3	4.8	6.6
25	22	24	29	27	33	45	26	21	10	9.3	4.4	6.3
26	22	24	29	32	32	43	25	20	9.9	9.4	4.7	6.1
27	33	25	29	29	32	42	25	20	9.5	8.3	13	5.8
28	54	27	30	29	31	40	25	23	9.5	8.5	11	5.5
29	32	53	29	29	---	39	25	26	9.2	8.0	8.7	5.7
30	28	79	29	28	---	38	23	28	10	6.8	7.2	6.0
31	35	---	33	27	---	37	---	22	---	6.1	9.6	---
TOTAL	875	933	1160	885	946	1432	888	710	437.1	276.7	212.5	265.6
MEAN	28.2	31.1	37.4	28.5	33.8	46.2	29.6	22.9	14.6	8.93	6.85	8.85
MAX	94	79	79	36	47	106	36	45	20	19	13	17
MIN	20	23	29	26	26	28	23	19	9.2	6.1	4.4	5.5
CFSM	.76	.84	1.01	.77	.91	1.25	.80	.62	.40	.24	.19	.24
IN.	.88	.94	1.17	.89	.95	1.44	.89	.71	.44	.28	.21	.27

CAL YR 1985 TOTAL 13984.0 MEAN 38.3 MAX 389 MIN 18 CFSM 1.04 IN 14.06
WTR YR 1986 TOTAL 9020.9 MEAN 24.7 MAX 106 MIN 4.4 CFSM .67 IN 9.07

02337500 SNAKE CREEK NEAR WHITESBURG, GA.--Continued

WATER-QUALITY RECORDS

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM)	PH (STAND-ARD UNITS)	PH LAB (STAND-ARD UNITS)	TEMPER-ATURE WATER (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)
MAR									
10...	0930	28	27	33	7.10	7.70	10.0	10.4	95
JUL									
28...	0730	7.9	28	30	6.90	7.30	24.0	7.2	89

DATE	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (NTU)	HARD-NESS (MG/L AS CACO3)	HARD-NESS NONCARB WH WAT TOT LAB 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)	PERCENT SODIUM	SODIUM AD-SORP-TION RATIO	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY LAB (MG/L AS CACO3)	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO2)
MAR												
10...	15	5.2	8	0	1.7	0.80	2.5	38	0.4	1.0	8.0	1.2
JUL												
28...	50	25	6	0	1.2	0.80	2.4	40	0.4	1.1	10	2.4

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)	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)
MAR												
10...	4.0	2.6	<0.10	9.1	18	27	1.4	0.02	0.200	0.180	0.020	0.030
JUL												
28...	4.2	2.5	<0.10	9.4	19	28	0.41	0.03	0.200	0.150	0.030	<0.010

DATE	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)	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)
MAR											
10...	0.18	0.27	0.20	0.30	0.40	0.010	0.010	1.7	20	<1	<1
JUL											
28...	0.27	--	0.30	0.40	0.50	0.030	0.010	2.6	70	<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)
MAR											
10...	<1	<10	1	140	1	4	30	0.10	0.2	<1	10
JUL											
28...	<1	<10	1	270	<5	<5	52	0.10	0.3	<1	110

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 mi^2, 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.--Estimated daily discharges: February 13-18 and March 17 to April 21. Records good. Flow regulated by Lake Sidney Lanier since January 1956. (See "Lakes and Reservoirs in Apalachicola River Basin," station 02334400.) Diversions and return flows above station regulated by Gwinnett, DeKalb, and Cobb Counties, and by the City of Atlanta. Considerable diurnal fluctuation caused by Morgan Falls hydroelectric plant.
AVERAGE DISCHARGE.--36 years (water years 1939-53, 1966-86), 4,008 ft^3/s, 22.40 in/yr, unadjusted.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 59,000 ft^3/s Jan. 10, 1946, gage height, 25.1 ft, site and datum then in use, from graph based on gage readings, from rating extended above 30,000 ft^3/s on basis of velocity-area and channel-capacity studies; minimum daily, 468 ft^3/s Oct. 26, 1941.
EXTREMES FOR CURRENT YEAR.--Maximum discharge, 12,600 ft^3/s Oct. 2, gage height, 11.44 ft; minimum daily, 1,160 ft^3/s July 14.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4390	2780	6690	2830	2020	1960	1910	1610	1700	1270	4990	1510
2	8700	3230	5370	2610	1860	1840	1860	1600	1630	1710	3660	2960
3	3150	2530	3620	2260	1850	1790	1850	1560	1660	1920	1720	2440
4	2660	2820	2920	2250	1850	1800	1840	1530	1650	1810	1240	2070
5	2270	2260	2680	2220	1970	1780	1900	1510	1620	1580	1460	4630
6	1920	2190	2420	2150	2160	1890	1890	1580	1570	1390	1900	2660
7	1720	2080	2430	2270	2310	1970	1800	1480	1530	1230	1990	2440
8	1730	2100	2280	1980	2160	1940	1760	1640	1460	1410	2040	1730
9	1780	1870	2310	1850	2060	1860	1960	1520	1730	2150	2910	1530
10	1770	2200	2240	1870	1940	1800	1990	1420	1630	2320	1810	1510
11	1790	2000	2170	2050	2640	1820	2030	1420	2150	2330	1390	1330
12	1870	2030	2540	1940	2350	1810	1940	1460	1970	2360	1790	1400
13	1590	2210	6470	1830	2100	3020	1820	1610	1720	1690	1630	2310
14	1550	2090	5820	1810	2000	8360	1730	1590	1630	1160	1620	1570
15	2120	2050	3660	1970	2300	5020	1720	1510	1510	1560	1560	1260
16	3170	2070	2910	2070	2700	3110	1680	1500	1360	3030	1480	1270
17	3440	1840	2650	1990	2100	2480	1690	1520	1370	3040	1470	1250
18	3310	1790	2610	2040	2300	2220	1750	1520	1610	3200	1290	1620
19	3310	1930	2340	2660	2660	3060	1750	2100	1840	3100	1460	2180
20	2470	2040	2380	2320	2310	7380	1780	3340	1740	2170	1530	1730
21	1610	2230	2340	2090	2170	4800	2050	2100	1740	1230	1530	1500
22	2760	3260	2440	2090	2020	4110	2040	1830	1360	1790	1640	1460
23	3980	2800	2220	2100	1950	2880	1730	1680	1270	2930	1510	1510
24	2440	2260	2260	2040	1890	2410	1660	1600	1290	3370	1260	1360
25	1760	2110	2240	2080	1900	2280	1710	1570	1280	3630	1290	1530
26	1640	2070	2180	2120	2060	2450	1600	1820	1550	4260	1170	1550
27	1690	2060	2050	2300	2130	2350	1700	1950	1850	2550	1430	1410
28	2600	2070	2150	1960	2180	2370	1570	2660	2000	1510	2230	1330
29	2530	2640	2280	1970	---	2410	1590	6180	1450	2420	1920	1290
30	2070	6900	2180	2120	---	2100	1620	3470	1330	4230	1500	1370
31	1900	---	2060	2080	---	1920	---	2250	---	4290	1290	---
TOTAL	79690	72510	90910	65920	59940	86990	53920	60130	48200	72640	55710	53710
MEAN	2571	2417	2933	2126	2141	2806	1797	1940	1607	2343	1797	1790
MAX	8700	6900	6690	2830	2700	8360	2050	6180	2150	4290	4990	4630
MIN	1550	1790	2050	1810	1850	1780	1570	1420	1270	1160	1170	1250

CAL YR 1985 TOTAL 1078340 MEAN 2954 MAX 16200 MIN 1510 MEAN† 2887 CFSM† 1.19 IN† 16.13
WTR YR 1986 TOTAL 800270 MEAN 2193 MAX 8700 MIN 1160 MEAN† 1696 CFSM† .70 IN† 9.48

†Adjusted for change in contents in Lake Sidney Lanier.

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 chemical 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 is 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 1985 TO SEPTEMBER 1986

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM)	PH (STAND-ARD UNITS)	PH LAB (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	TEMPER-ATURE, AIR (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)
NOV										
06...	1230	2330	94	92	7.10	6.90	18.0	18.5	5.6	60
18...	1100	1740	--	--	7.20	6.90	19.0	20.5	5.5	--
DEC										
03...	1145	3940	--	73	6.80	6.90	13.0	6.5	5.2	--
JAN										
07...	1500	2560	--	88	7.10	7.20	13.0	11.5	8.8	--
FEB										
04...	1000	1890	--	96	7.00	6.90	11.0	15.0	6.8	--
MAR										
04...	1100	1840	--	98	6.90	7.00	10.5	18.0	8.0	--
31...	1015	1940	--	103	6.90	6.60	17.0	27.0	6.5	--
MAY										
06...	1000	1610	--	117	6.80	6.70	17.0	23.5	6.0	--
JUN										
10...	0845	1640	125	119	6.80	6.90	24.0	25.0	5.8	70
JUL										
09...	1045	2530	115	113	6.80	6.70	27.0	31.5	4.0	52
AUG										
13...	0800	1450	120	118	6.70	7.00	25.0	23.0	4.5	55
SEP										
04...	1015	1960	88	87	6.60	6.90	21.0	26.0	5.8	66

DATE	TUR-BID-ITY (NTU)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, FECAL, EC BROTH (MPN)	ALKA-LINITY LAB (MG/L AS CACO3)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (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)
NOV										
06...	19	2.1	490	22	11	92	1.14	0.460	0.370	3.0
18...	10	2.2	460	21	5	72	1.53	0.400	0.640	18
DEC										
03...	370	12	33000	21	--	--	0.730	0.220	0.610	8.2
JAN										
07...	16	1.6	--	22	12	60	0.410	0.580	0.450	3.2
FEB										
04...	9.0	4.1	140	25	15	60	1.10	1.10	0.540	3.9
MAR										
04...	10	1.0	20	25	4	76	1.11	1.13	0.540	4.7
31...	10	3.0	--	23	14	84	1.40	0.480	0.500	5.9
MAY										
06...	14	3.5	80	22	6	80	1.98	0.690	0.850	4.4
JUN										
10...	28	3.0	--	22	36	112	1.82	0.360	0.790	3.2
JUL										
09...	20	2.8	6000	18	36	--	2.08	0.380	0.990	5.7
AUG										
13...	20	1.5	1300	22	22	--	1.54	0.210	1.20	4.0
SEP										
04...	50	2.4	790	18	46	--	1.25	0.340	0.580	4.8

02338000 CHATTAHOOCHEE RIVER NEAR WHITESBURG, GA.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	TEMPER-ATURE WATER (DEG C)	SEDI-MENT, SUS-PENDED (MG/L)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY)
OCT					
09...	1115	1760	--	53	252
09...	1120	1760	--	55	261
NOV					
18...	1345	1880	19.5	18	91
18...	1350	1880	19.5	17	86
JAN					
06...	1248	2330	8.0	9	57
06...	1253	2330	8.0	13	82
FEB					
19...	1151	2920	12.0	52	410
19...	1156	2920	12.0	55	434
MAR					
13...	1659	3390	--	187	1710
14...	0919	10000	--	567	15300
14...	0924	10000	--	576	15500
14...	1310	8730	--	488	11500
14...	1315	8730	--	516	12200
14...	1428	8310	--	422	9460
14...	1433	8310	--	416	9330
MAY					
29...	1930	6600	21.5	583	10400
29...	1935	6600	21.5	599	10700
AUG					
06...	0919	1510	27.5	31	127
06...	0924	1510	27.5	29	119
SEP					
03...	1145	2670	20.0	77	555
03...	1150	2670	20.0	73	526

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	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
MAR							
13...	1654	3390	89	95	97	99	100
13...	1659	3390	80	--	--	--	--
14...	1310	8730	74	--	--	--	--

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	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
MAR									
14...	1025	9690	<1	<1	3	36	94	99	100
14...	1026	9690	<1	<1	3	23	92	98	100
14...	1027	9690	<1	<1	10	37	76	97	100
14...	1028	9690	<1	<1	4	15	49	87	100

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 mi^2, 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 determination of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen is 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 1985 TO SEPTEMBER 1986

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM)	SPECIFIC CONDUCTANCE LAB (US/CM)	PH (STANDARD UNITS)	PH LAB (STANDARD UNITS)	TEMPERATURE (DEG C)	TEMPERATURE, AIR (DEG C)	OXYGEN, DISSOLVED (MG/L)	OXYGEN, DISSOLVED (PERCENT SATURATION)
NOV									
06...	1330	94	92	7.20	7.00	18.0	19.0	6.6	71
18...	1245	--	--	7.20	7.60	20.0	24.5	6.8	--
DEC									
03...	1345	--	73	6.80	7.00	15.5	10.0	6.6	--
JAN									
07...	1600	--	88	7.20	7.20	13.0	11.5	9.0	--
FEB									
04...	1130	--	106	6.80	6.90	12.5	18.5	7.6	--
MAR									
04...	1200	--	106	6.80	7.00	12.5	19.5	9.5	--
31...	1200	--	96	6.90	6.90	18.5	28.5	7.3	--
MAY									
06...	1045	--	127	7.00	6.90	20.0	25.0	6.0	--
JUN									
10...	1030	130	127	6.90	7.00	25.0	27.0	6.0	74
JUL									
09...	1145	115	116	7.20	7.10	27.0	32.0	6.5	84
AUG									
13...	0945	120	120	6.80	7.10	26.0	24.5	6.0	75
SEP									
04...	1100	82	86	6.70	6.90	22.0	26.5	7.0	81

DATE	TURBIDITY (NTU)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	COLIFORM, FECAL, EC BROTH (MPN)	ALKALINITY LAB (MG/L AS CACO3)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (MG/L)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
NOV										
06...	21	1.9	170	17	19	88	1.18	0.140	0.160	3.0
18...	12	1.8	80	20	14	92	1.37	0.120	0.430	17
DEC										
03...	62	3.1	13900	18	72	148	0.760	0.130	0.250	4.9
JAN										
07...	8.0	0.7	--	20	5	40	1.00	0.270	0.370	3.5
FEB										
04...	9.0	2.9	20	21	7	80	1.16	0.570	0.420	5.2
MAR										
04...	11	1.0	<35	22	12	104	1.23	0.650	0.410	4.5
31...	11	1.6	--	18	20	92	1.26	0.150	0.310	6.5
MAY										
06...	14	0.7	80	20	9	84	1.72	0.210	0.510	4.7
JUN										
10...	30	1.6	--	20	31	96	1.68	0.100	0.500	3.5
JUL										
09...	22	2.2	130	17	40	--	1.98	0.050	0.710	4.2
AUG										
13...	26	1.2	1300	17	27	--	2.02	0.130	0.610	0.4
SEP										
04...	45	2.6	1100	15	52	--	1.22	0.090	0.540	5.5

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 mi^2.
PERIOD OF RECORD.--October 1978 to current year.
GAGE.--Water-stage recorder. Datum of gage is 634.68 ft above National Geodetic Vertical Datum of 1929.
REMARKS.--No estimated daily discharges. Records good. Daily water temperature record available for water years 1979-84.
AVERAGE DISCHARGE.--8 years, 149 ft^3/s, 15.93 in/yr.
EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 13.92 ft April 14, 1979 (discharge not determined); minimum daily discharge, 0.24 ft^3/s Aug. 7, 1986.
EXTREMES FOR CURRENT YEAR.--Peak discharge greater than base discharge of 1,800 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)
Oct. 2	2000	*1,010	*8.23

Minimum daily discharge, 0.24 ft^3/s Aug. 7.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	135	284	616	113	77	83	101	51	44	8.2	1.1	31
2	744	317	465	103	75	79	93	47	37	9.2	.91	41
3	567	165	296	88	75	83	89	43	34	10	.84	38
4	182	155	192	82	75	80	85	41	32	9.3	.66	34
5	112	117	160	79	111	76	83	39	31	7.3	.49	200
6	81	97	142	74	155	76	81	37	29	6.0	.37	104
7	66	88	128	74	156	73	79	36	27	5.2	.24	55
8	58	81	120	72	114	70	77	36	26	4.6	1.0	46
9	54	76	115	69	100	69	75	33	70	3.8	3.4	38
10	54	73	110	73	110	70	72	31	62	3.2	6.6	29
11	49	71	107	75	255	72	71	29	49	2.9	8.2	24
12	45	71	149	73	195	76	69	30	39	2.5	16	22
13	44	70	337	71	138	189	71	31	31	2.2	24	44
14	44	73	300	75	126	564	77	33	25	1.9	21	46
15	44	72	173	74	187	414	71	30	22	1.6	13	39
16	49	70	147	73	152	219	66	28	19	1.3	10	29
17	52	68	135	71	128	166	62	27	17	1.2	10	21
18	52	77	126	80	159	141	60	27	16	3.1	12	28
19	50	79	118	186	164	151	59	83	15	3.8	52	27
20	47	79	110	141	133	500	59	152	14	2.0	40	24
21	46	83	105	101	122	630	69	95	12	1.5	22	19
22	45	128	93	89	116	316	72	58	11	1.2	18	16
23	45	124	91	88	108	214	66	44	9.8	4.9	12	15
24	47	96	90	80	98	178	63	36	9.0	3.4	9.1	13
25	48	87	87	77	94	151	62	33	8.6	1.7	6.9	12
26	47	75	78	102	90	131	61	31	7.9	5.5	5.5	12
27	57	69	80	107	91	122	58	30	7.0	9.1	7.4	10
28	188	68	88	100	89	112	57	30	6.5	5.8	20	9.2
29	163	114	89	93	---	106	55	79	6.3	3.5	27	8.1
30	90	412	81	88	---	104	54	90	6.9	2.2	16	7.7
31	98	---	82	81	---	102	---	61	---	1.5	15	---
TOTAL	3403	3439	5010	2752	3493	5417	2117	1451	724.0	129.6	380.71	1042.0
MEAN	110	115	162	88.8	125	175	70.6	46.8	24.1	4.18	12.3	34.7
MAX	744	412	616	186	255	630	101	152	70	10	52	200
MIN	44	68	78	69	75	69	54	27	6.3	1.2	.24	7.7
CFSM	.87	.91	1.28	.70	.98	1.38	.56	.37	.19	.03	.10	.27
IN.	1.00	1.01	1.47	.81	1.02	1.59	.62	.43	.21	.04	.11	.31

CAL YR 1985 TOTAL 46803.00 MEAN 128 MAX 1910 MIN 16 CFSM 1.01 IN 13.71
WTR YR 1986 TOTAL 29358.31 MEAN 80.4 MAX 744 MIN .24 CFSM .63 IN 8.60

02338720 CHATTAHOOCHEE RIVER NEAR LA GRANGE, GA.

LOCATION.--Lat 33°04'42", long 85°06'39", Troup County, Hydrologic Unit 03130002, at the City of La Grange water intake, 1.2 mi upstream from Yellowjacket Creek, and 5.3 mi northwest of La Grange.
DRAINAGE AREA.--3,010 mi^2, 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 determination of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen is by the U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM)	SPECIFIC CONDUCTANCE LAB (US/CM)	PH (STANDARD UNITS)	PH LAB (STANDARD UNITS)	TEMPERATURE (DEG C)	TEMPERATURE, AIR (DEG C)	OXYGEN, DISSOLVED (MG/L)	OXYGEN, DISSOLVED (PERCENT SATURATION)
NOV									
06...	1500	94	90	7.00	6.90	22.0	19.0	10.0	116
18...	1330	--	106	7.40	7.60	20.5	25.5	10.1	--
DEC									
03...	1445	--	67	6.80	6.90	16.0	9.0	9.9	--
JAN									
07...	1700	104	95	7.10	7.20	15.0	11.0	10.8	--
FEB									
04...	1215	--	97	7.10	7.50	10.0	18.5	10.2	--
MAR									
04...	1245	--	94	7.00	7.20	12.0	19.0	10.1	--
31...	1245	--	81	9.50	9.20	19.5	29.0	13.5	--
MAY									
06...	1130	--	111	9.30	9.00	22.0	26.0	11.4	--
JUN									
10...	1115	100	95	9.70	9.40	28.0	29.0	11.8	153
JUL									
09...	1230	137	--	10.00	9.80	30.0	33.5	13.4	182
AUG									
13...	1015	98	98	8.70	9.00	28.5	25.0	6.6	87
SEP									
04...	1130	115	117	7.50	8.40	26.0	28.0	9.1	114

DATE	TURBIDITY (NTU)	OXYGEN DEMAND, CHEMICAL (LOW LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	COLIFORM, CONFIRMED (MPN)	COLIFORM, FECAL, EC BROTH (MPN)	ALKALINITY LAB (MG/L AS CACO3)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)
NOV									
06...	34	10	1.2	2300	<20	19	18	0.920	0.320
18...	15	4	4.4	700	<20	20	17	1.35	0.060
DEC									
03...	70	13	1.5	3300	2300	17	39	0.630	0.230
JAN									
07...	11	2	1.0	--	--	19	6	1.05	0.490
FEB									
04...	7.0	9	3.3	--	<20	19	11	1.05	0.180
MAR									
04...	8.0	10	1.9	<20	<20	20	8	1.03	0.190
31...	7.0	20	6.5	--	--	24	7	0.470	<0.020
MAY									
06...	5.0	12	3.2	30	<20	21	<1	0.690	0.050
JUN									
10...	4.0	17	5.0	--	--	20	2	0.210	0.060
JUL									
09...	7.0	--	6.5	--	<20	22	13	0.520	0.060
AUG									
13...	5.0	--	2.1	--	<20	22	4	0.400	0.200
SEP									
04...	4.0	--	3.3	--	20	21	<1	0.810	0.190

02338720 CHATTAHOOCHEE RIVER NEAR LA GRANGE, GA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN,AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
NOV					
06...	0.28	0.60	1.5	0.040	10
18...	0.24	0.30	1.6	0.390	6.7
DEC					
03...	0.17	0.40	1.0	0.130	6.4
JAN					
07...	0.31	0.80	1.8	0.280	3.3
FEB					
04...	0.32	0.50	1.5	0.360	4.5
MAR					
04...	0.21	0.40	1.4	0.230	3.4
31...	--	0.30	0.77	0.100	7.2
MAY					
06...	0.15	0.20	0.89	0.140	7.1
JUN					
10...	0.54	0.60	0.81	0.110	6.0
JUL					
09...	--	--	--	0.150	6.8
AUG					
13...	--	--	--	0.210	0.6
SEP					
04...	--	--	--	0.190	5.9

02339500 CHATTAHOOCHEE RIVER AT WEST POINT, GA.

LOCATION.--Lat 32°53'10", long 85°10'56", Troup County, Hydrologic Unit 03130002, on right bank just downstream from Oseligee Creek at West Point, 1 mi upstream from bridge on U.S. Highway 29, 2.5 mi downstream from West Point Dam and at mile 198.9.
DRAINAGE AREA.--3,550 mi^2, 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.--No estimated daily discharges. 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.--90 years, 5,605 ft^3/s, 21.44 in/yr, unadjusted.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 134,000 ft^3/s Dec. 10, 1919, gage height, 30.0 ft at site then in use; 29.25 ft at present site, from floodmarks, from rating curve extended above 80,000 ft^3/s on basis of computation of peak flow over Langdale Dam; minimum, 224 ft^3/s Sept. 12, 1925, gage height, 1.64 ft.
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 floodmark, by National Weather Service, discharge, 92,800 ft^3/s.
EXTREMES FOR CURRENT YEAR.--Maximum discharge, 17,800 ft^3/s Oct. 24, gage height, 9.94 ft; minimum daily, 517 ft^3/s July 13.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5680	8050	1000	3580	814	851	3920	3300	664	3170	2870	1970
2	5650	675	14100	2150	814	824	3930	3280	3330	3160	1140	1920
3	5550	667	6330	2090	4770	2170	3940	649	3330	3040	1100	1940
4	5540	5190	6330	844	4800	2140	3900	643	3320	3050	2190	2110
5	5900	7400	6570	838	4940	2160	761	3940	3320	530	1920	2060
6	5960	5370	6660	2140	3080	2170	734	3940	3280	541	1950	696
7	6020	3280	784	2130	3040	2270	4510	3980	597	3940	1900	651
8	5370	3170	755	2120	898	808	4290	4050	614	3980	1970	1970
9	5530	672	4520	2080	868	808	4340	3970	3390	4080	571	1960
10	5610	675	4040	2070	2850	2230	2450	644	3380	3900	581	1950
11	6310	1890	4530	814	3000	2300	723	624	3500	3830	1920	1940
12	689	1880	4590	814	2850	2350	709	3960	3370	542	1900	1920
13	679	2250	4700	3310	2850	2480	710	4000	3650	517	1860	649
14	4310	1960	957	3330	2890	2800	2000	4020	617	5050	1920	641
15	4340	2040	863	3400	5160	1240	2010	4070	616	5180	1930	1910
16	4310	686	2130	3420	914	942	1980	4040	3940	5210	567	1950
17	4360	694	2130	3400	5150	2150	1990	650	3930	5260	570	1990
18	4350	2760	5150	826	5390	2180	1980	649	3920	5250	2010	1900
19	4680	1920	5300	841	5430	2190	715	3530	3950	3340	2100	1910
20	673	1900	5330	2180	5300	2700	692	3430	3960	3190	1900	620
21	4660	1950	3440	2170	5000	4050	2000	3300	614	4160	1910	620
22	4650	1930	3330	2240	933	3610	2010	3280	605	4280	1900	1950
23	4710	743	5100	2130	879	3440	3160	3280	3960	2270	609	1990
24	6240	731	903	2160	4190	2160	4930	642	3960	2350	616	1960
25	6340	1980	824	813	4250	5160	4930	648	3980	2320	1910	1920
26	6490	3550	5070	844	4320	5280	764	4090	3950	1060	1980	1970
27	6550	3630	5170	5630	3640	5230	668	4090	3970	1090	1990	612
28	6570	1980	914	2480	4290	5210	3310	4150	640	2880	2000	609
29	7780	2010	837	2100	---	894	3280	4160	624	2840	2060	1980
30	11400	1070	3650	2200	---	787	3210	4090	3080	2860	629	1900
31	7990	---	3650	2130	---	3910	---	683	---	2860	650	---
TOTAL	164891	72703	119657	67274	93310	77494	74546	89782	82061	95730	49123	48168
MEAN	5319	2423	3860	2170	3333	2500	2485	2896	2735	3088	1585	1606
MAX	11400	8050	14100	5630	5430	5280	4930	4160	3980	5260	2870	2110
MIN	673	667	755	813	814	787	668	624	597	517	567	609

CAL YR 1985 TOTAL 1427999 MEAN 3912 MAX 14100 MIN 667 MEAN† 3841 CFSM† 1.08 IN† 14.69
WTR YR 1986 TOTAL 1034739 MEAN 2835 MAX 14100 MIN 517 MEAN† 2281 CFSM† 0.64 IN† 8.73

†ADJUSTED FOR CHANGE IN CONTENTS IN LAKE SIDNEY LANIER AND WEST POINT LAKE.

02339500 CHATTAHOOCHEE RIVER AT WEST POINT, GA.--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.42	5.59	2.27	3.56	2.12	2.15	3.67	3.42	2.09	3.30	3.15	2.59
2	4.44	2.00	8.44	2.83	2.12	2.13	3.67	3.40	3.50	3.29	2.23	2.56
3	4.39	1.99	4.88	2.80	4.11	2.83	3.67	2.05	3.49	3.22	2.20	2.57
4	4.38	4.23	4.86	2.14	4.13	2.81	3.65	2.04	3.47	3.23	2.72	2.69
5	4.59	5.26	4.98	2.14	4.21	2.82	2.11	3.71	3.47	1.78	2.49	2.67
6	4.60	4.41	5.07	2.83	3.30	2.83	2.09	3.71	3.45	1.79	2.50	1.91
7	4.62	3.33	2.09	2.83	3.28	2.87	4.00	3.73	2.00	3.68	2.48	1.87
8	4.34	3.26	2.07	2.81	2.19	2.13	3.83	3.79	2.01	3.73	2.53	2.59
9	4.38	2.00	3.99	2.78	2.16	2.13	3.86	3.72	3.50	3.78	1.75	2.59
10	4.42	2.00	3.77	2.78	3.17	2.85	2.97	2.05	3.49	3.68	1.77	2.58
11	4.75	2.65	4.01	2.12	3.27	2.88	2.09	2.03	3.55	3.63	2.52	2.58
12	2.01	2.65	4.04	2.12	3.18	2.91	2.08	3.72	3.48	1.77	2.50	2.57
13	2.00	2.89	4.12	3.42	3.16	3.02	2.08	3.74	3.63	1.75	2.48	1.88
14	3.80	2.68	2.23	3.43	3.18	3.27	2.75	3.75	1.97	4.29	2.51	1.87
15	3.82	2.72	2.16	3.47	4.32	2.45	2.76	3.77	1.96	4.37	2.52	2.56
16	3.80	2.01	2.82	3.47	2.20	2.24	2.74	3.76	3.75	4.39	1.76	2.58
17	3.82	2.02	2.81	3.46	4.31	2.85	2.74	2.05	3.74	4.40	1.76	2.60
18	3.82	3.16	4.29	2.13	4.45	2.86	2.74	2.06	3.72	4.41	2.61	2.56
19	3.95	2.67	4.39	2.14	4.47	2.88	2.08	3.54	3.75	3.36	2.67	2.56
20	2.00	2.66	4.39	2.83	4.39	3.21	2.07	3.50	3.74	3.26	2.51	1.85
21	3.94	2.69	3.51	2.82	4.24	3.88	2.75	3.39	1.90	3.79	2.51	1.85
22	3.94	2.69	3.43	2.86	2.21	3.62	2.76	3.37	1.89	3.85	2.52	2.58
23	3.96	2.06	4.26	2.81	2.17	3.51	3.29	3.37	3.73	2.85	1.81	2.59
24	4.66	2.05	2.18	2.82	3.84	2.86	4.20	2.06	3.73	2.90	1.82	2.58
25	4.73	2.71	2.13	2.12	3.87	4.32	4.20	2.07	3.74	2.89	2.53	2.56
26	4.87	3.54	4.25	2.15	3.90	4.38	2.12	3.80	3.72	2.18	2.58	2.59
27	4.89	3.58	4.31	4.49	3.58	4.36	2.05	3.80	3.73	2.20	2.58	1.84
28	4.89	2.71	2.19	3.01	3.88	4.34	3.41	3.83	1.90	3.16	2.59	1.84
29	5.47	2.74	2.14	2.79	---	2.20	3.40	3.85	1.88	3.15	2.65	2.59
30	7.14	2.32	3.60	2.84	---	2.13	3.37	3.82	3.25	3.15	1.84	2.55
31	5.61	---	3.61	2.81	---	3.71	---	2.10	---	3.15	1.86	---
MEAN	4.27	2.91	3.65	2.83	3.41	3.01	2.97	3.19	3.11	3.24	2.35	2.39
MAX	7.14	5.59	8.44	4.49	4.47	4.38	4.20	3.85	3.75	4.41	3.15	2.69
MIN	2.00	1.99	2.07	2.12	2.12	2.13	2.05	2.03	1.88	1.75	1.75	1.84

CAL YR 1985 MEAN 3.65 MAX 8.44 MIN 1.99
WTR YR 1986 MEAN 3.11 MAX 8.44 MIN 1.75

02339500 CHATTAHOOCHEE RIVER AT WEST POINT, 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 determination of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen by the U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM)	PH (STAND-ARD UNITS)	PH LAB (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	TEMPER-ATURE, AIR (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)
NOV										
06...	1430	1070	85	85	7.10	7.10	19.5	19.0	4.4	49
19...	0745	709	100	90	6.80	6.80	16.0	18.5	5.5	56
DEC										
04...	0745	8290	77	88	7.00	7.00	8.0	1.0	5.2	44
JAN										
08...	0745	814	88	73	7.10	7.20	8.0	-1.0	8.6	72
FEB										
04...	1330	1250	90	71	7.10	7.20	8.5	18.5	9.4	81
MAR										
04...	1400	1000	110	74	7.00	7.40	10.5	18.0	11.0	99
31...	1400	1570	90	75	7.10	7.00	16.0	29.5	9.4	96
MAY										
06...	1245	609	105	85	7.20	7.00	19.0	28.0	7.6	83
JUN										
10...	1230	642	90	89	7.20	7.10	24.5	25.0	5.8	70
JUL										
09...	1400	7960	110	100	7.20	7.10	28.5	37.5	5.4	71
AUG										
13...	1130	567	100	100	6.80	7.10	28.0	26.0	3.8	49
SEP										
04...	1300	826	70	72	6.60	7.00	24.0	28.0	6.0	72

DATE	TUR-BID-ITY (NTU)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, FECAL, EC BROTH (MPN)	ALKA-LINITY 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)
NOV										
06...	7.0	1.4	110	20	0.620	0.130	0.100	7.9	260	30
19...	5.0	0.8	20	20	0.810	0.080	0.030	9.4	230	34
DEC										
04...	10	1.2	70	18	0.930	0.060	0.050	3.5	810	130
JAN										
08...	6.0	0.6	20	22	0.590	0.110	0.060	3.7	530	75
FEB										
04...	6.0	1.0	40	22	0.500	0.100	0.060	6.0	600	93
MAR										
04...	6.0	1.0	<20	22	0.510	0.100	0.070	5.6	510	70
31...	5.0	1.3	--	21	0.430	0.070	0.060	5.8	640	75
MAY										
06...	5.0	1.0	50	23	0.310	0.120	0.060	4.0	310	80
JUN										
10...	6.0	1.4	--	24	0.140	0.100	0.060	2.9	420	90
JUL										
09...	9.0	2.6	130	26	<0.020	0.440	0.100	5.1	950	410
AUG										
13...	2.0	0.9	20	24	0.150	0.400	0.080	3.9	350	150
SEP										
04...	30	1.5	490	21	0.080	0.140	0.030	5.1	3200	300

02339500 CHATTAHOOCHEE RIVER AT WEST POINT, GA.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	TEMPER-ATURE WATER (DEG C)	SEDI-MENT, SUS-PENDED (MG/L)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY)
OCT					
10...	1013	675	20.5	6	11
10...	1018	675	20.5	6	11
NOV					
19...	1145	709	16.0	8	15
19...	1150	709	16.0	9	17
FEB					
19...	1727	1030	13.5	8	22
19...	1732	1030	13.5	14	39
AUG					
07...	1645	7640	30.0	9	186
07...	1650	7640	30.0	12	248
SEP					
04...	1045	755	24.5	7	14
04...	1050	755	24.5	7	14

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 mi^2, 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 determination of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen is by the U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM)	PH (STAND-ARD UNITS)	PH LAB (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	TEMPER-ATURE, AIR (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)
NOV										
07...	0730	56	325	307	7.00	6.90	9.0	9.5	6.8	60
19...	0815	26	400	374	7.00	7.10	17.0	18.5	1.9	20
DEC										
04...	0830	145	--	127	7.10	6.80	1.5	8.5	2.7	--
JAN										
08...	0830	30	--	248	7.00	7.10	4.0	-1.0	8.0	--
FEB										
04...	1300	80	--	200	6.90	6.90	11.0	18.5	5.3	--
MAR										
04...	1330	82	--	226	6.80	7.00	11.0	18.5	7.0	--
31...	1330	92	--	115	6.90	6.70	18.0	29.5	5.8	--
MAY										
06...	1215	20	--	434	7.10	7.10	19.0	28.0	2.5	--
JUN										
10...	1200	26	410	403	7.00	7.00	24.5	24.0	2.4	29
JUL										
09...	1315	16	308	319	7.20	7.10	27.0	37.0	2.0	26
AUG										
13...	1100	28	428	413	6.80	7.20	25.0	25.5	1.9	23
SEP										
04...	1220	140	140	152	6.50	6.60	24.0	28.0	3.2	39

DATE	TUR-BID-ITY (NTU)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, FECAL, EC BROTH (MPN)	ALKA-LINITY 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								
07...	14	2.0	11000	48	0.720	0.220	0.930	9.4
19...	10	4.4	270	70	0.280	1.08	2.28	12
DEC								
04...	24	1.2	1700	28	0.400	0.230	0.290	7.7
JAN								
08...	15	2.0	3300	50	0.470	1.12	0.900	12
FEB								
04...	11	3.1	230	41	0.680	0.400	0.950	8.4
MAR								
04...	12	2.4	130	36	1.02	0.310	0.880	8.5
31...	14	2.2	--	35	0.590	0.090	0.490	11
MAY								
06...	10	3.6	13000	63	0.360	1.41	1.97	19
JUN								
10...	14	4.0	--	52	0.870	0.980	0.950	6.6
JUL								
09...	17	4.8	1300	59	1.94	2.18	1.50	12
AUG								
13...	39	5.5	790	56	0.630	1.72	1.60	--
SEP								
04...	140	4.0	3300	25	0.500	0.290	0.700	14

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 mi^2.
PERIOD OF RECORD.--October 1982 to current year.
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, 11.10 ft Apr. 10, 1983.
EXTREMES FOR CURRENT YEAR.--Maximum gage height recorded, 10.60 ft Oct. 24.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.65	9.35	8.14	8.63	7.33	7.71	8.45	8.31	8.18	8.48	8.03	8.23
2	8.77	8.11	10.12	8.33	7.21	7.55	8.40	8.25	8.57	8.27	7.85	8.09
3	8.78	8.07	9.18	8.00	8.34	8.19	8.39	7.65	8.60	8.19	7.77	8.16
4	8.68	8.80	9.09	7.50	8.83	7.97	8.40	7.27	8.60	8.16	8.23	7.98
5	8.87	9.17	9.11	7.52	8.90	7.92	7.75	7.84	8.62	7.04	7.74	8.22
6	8.81	9.14	9.18	7.94	8.65	8.00	7.56	8.36	8.58	7.32	7.53	6.98
7	8.83	8.63	7.72	7.91	8.49	8.00	8.61	8.37	8.01	8.05	7.64	7.24
8	8.72	8.19	7.69	7.95	7.83	7.48	8.43	8.54	7.94	8.53	7.46	7.77
9	8.68	7.26	8.67	7.93	7.35	7.77	8.45	8.39	8.52	8.39	7.13	7.78
10	8.68	7.93	8.73	7.86	8.18	7.59	8.04	7.37	8.61	8.40	7.55	7.67
11	8.84	7.94	8.78	7.42	8.45	8.02	7.63	7.25	8.61	8.37	7.54	7.66
12	7.63	7.78	8.82	7.70	8.44	8.08	6.98	8.18	8.60	7.39	7.65	7.70
13	7.70	7.93	8.87	8.24	8.35	8.54	7.23	8.43	8.69	6.91	7.69	7.15
14	8.15	7.98	8.11	8.55	8.29	8.61	7.43	8.40	8.00	8.33	7.61	7.41
15	8.56	7.83	7.60	8.57	8.71	8.34	7.80	8.39	7.82	8.81	7.74	7.70
16	8.77	7.50	8.20	8.57	7.94	8.04	7.77	8.39	8.52	8.81	6.94	7.70
17	8.76	7.58	8.03	8.57	8.50	8.26	7.78	7.55	8.71	8.84	6.82	7.70
18	8.77	8.29	8.47	7.48	8.97	8.18	7.88	7.52	8.69	8.85	7.41	7.78
19	8.72	7.98	8.98	7.39	9.02	8.22	7.43	8.48	8.71	8.40	7.84	7.71
20	8.16	7.87	8.92	8.25	8.97	8.59	7.41	8.52	8.72	8.19	7.62	7.16
21	8.75	7.81	8.63	7.96	8.91	8.87	7.55	8.23	7.99	8.37	7.57	7.32
22	8.79	7.77	8.57	7.95	7.95	8.74	7.86	8.34	7.68	8.47	7.66	7.76
23	8.81	7.59	8.78	7.91	7.44	8.66	8.01	8.56	8.40	8.08	7.17	7.72
24	8.91	7.69	7.74	7.88	8.26	8.26	8.81	8.04	8.70	7.95	7.58	7.69
25	9.09	7.92	6.80	7.33	8.73	8.88	8.81	8.03	8.68	7.99	7.56	7.80
26	9.14	8.58	8.61	7.32	8.74	8.97	7.59	8.74	8.67	7.81	7.69	7.75
27	9.13	8.63	8.89	8.48	8.65	8.94	6.96	8.77	8.72	7.68	7.81	7.11
28	9.14	8.08	7.81	8.56	8.70	8.94	7.90	8.72	7.96	8.17	7.76	7.16
29	9.29	8.38	7.49	7.93	---	7.94	8.28	8.74	7.52	8.06	7.88	7.71
30	9.76	8.24	8.09	7.93	---	7.86	8.25	8.74	8.34	8.12	7.13	7.72
31	9.57	---	8.64	7.93	---	8.45	---	8.17	---	8.11	7.91	---
MEAN	8.77	8.13	8.47	7.98	8.36	8.24	7.93	8.21	8.40	8.15	7.60	7.65
MAX	9.76	9.35	10.12	8.63	9.02	8.97	8.81	8.77	8.72	8.85	8.23	8.23
MIN	7.63	7.26	6.80	7.32	7.21	7.48	6.96	7.25	7.52	6.91	6.82	6.98

WTR YR 1986 MEAN 8.16 MAX 10.12 MIN 6.80

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 downstream side of center pier 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 Bartletts Ferry Dam, and at mile 159.9.

DRAINAGE AREA.--4,670 mi^2, 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). 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.--Estimated daily discharges: Dec. 15, 16, 22, 26, 27, Jan. 6, 27, 28, Feb. 11-13, 24-27, Apr. 10-12, Sept. 16-19, 24-26. Records fair except those below 1,500 ft^3/s and those for periods 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 1939. (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.

AVERAGE DISCHARGE.--57 years, 6,756 ft^3/s, 19.65 in/yr, unadjusted.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 145,000 ft^3/s Feb. 26, 1961; maximum gage height, 47.8 ft Feb. 25, 1961; minimum discharge, 294 ft^3/s Oct. 23, Nov. 14, 1931; minimum daily, 480 ft^3/s Oct. 31, 1931.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum discharge known since at least 1827, 198,000 ft^3/s Mar. 15, 1929, computation of loat North Highlands Dam before redevelopment; maximum stage known, 53.2 ft Mar. 16, 1929.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 17,400 ft^3/s Mar. 19; maximum gage height, 13.21 ft Mar. 14; minimum daily, 1,150 ft^3/s Sept. 20.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6240	5090	5950	5390	1790	2340	4800	4780	1390	2460	2620	2380
2	5990	1310	11600	4570	1780	1660	4790	3180	2950	3330	1450	2930
3	5900	1280	11700	4790	4830	2580	5540	1860	3510	2830	1480	2360
4	5970	5350	6980	2150	5040	2950	5260	1600	3100	2350	1440	2380
5	5890	6430	5460	2180	6850	3300	4890	3190	3190	1360	1640	2330
6	5650	6800	8890	4000	7110	2980	4110	3660	1930	1360	1720	1510
7	6770	4650	3700	3390	4850	2570	4060	3690	1310	3120	1430	1870
8	6880	2710	1960	3330	1940	2260	5200	3420	1580	3190	1740	1760
9	5530	1320	5010	2810	3520	1780	4930	3930	1950	3130	1410	2790
10	5950	1400	5260	2210	5430	2730	5440	3390	3980	3650	1440	2240
11	5870	1420	5560	1750	7000	2840	2470	1770	2870	3620	1440	1160
12	1240	1650	7090	1780	5600	3390	1740	3360	3520	1600	1480	2740
13	1190	1780	8470	2400	4500	8660	1770	4190	3160	1590	2640	2030
14	3730	2700	3940	3630	4840	8690	1740	3620	1460	4350	2270	2480
15	4600	2190	2900	3570	4770	7070	2510	3840	1270	4030	1760	1630
16	4740	1430	4100	4780	5220	6530	2500	3600	1760	4440	1570	1700
17	4390	1440	3990	2970	5320	5360	2280	2500	3050	4000	1380	1800
18	4750	2250	5790	2330	6730	4040	2240	2070	3310	4620	2070	2000
19	4720	1990	6490	2400	6940	10700	1270	3550	3740	3620	1480	1200
20	1450	2180	6830	2600	8440	12700	1350	3820	2360	3000	1710	1150
21	4300	2860	4030	2790	7320	12700	1720	3800	1340	3890	1870	1490
22	4550	2550	4200	3100	2880	11200	1810	3700	1400	3550	1510	1530
23	4910	1470	5110	3050	2960	7620	2880	3530	3370	3760	1400	1960
24	5970	1470	2110	2970	5000	4810	5410	3080	2800	1930	1330	1600
25	7760	1970	2380	2140	5400	6230	5030	1570	3370	2260	1390	2300
26	8570	2160	5600	1590	5600	7240	1320	3210	3170	1970	1340	3500
27	8730	3160	4500	5000	5700	6470	1210	2570	3280	1770	1610	1450
28	9410	3070	2790	5500	5030	5790	2270	4840	1530	1840	1430	1470
29	8820	2470	2680	2860	---	4850	3000	4200	1350	2370	1280	1970
30	9000	6510	4740	3240	---	4100	2340	4110	2010	2470	1230	1570
31	8890	---	5620	2720	---	4190	---	2140	---	2820	2020	---
TOTAL	178360	83060	165430	97990	142390	170330	95880	101770	75010	90280	50580	59280
MEAN	5754	2769	5336	3161	5085	5495	3196	3283	2500	2912	1632	1976
MAX	9410	6800	11700	5500	8440	12700	5540	4840	3980	4620	2640	3500
MIN	1190	1280	1960	1590	1780	1660	1210	1570	1270	1360	1230	1150

CAL YR 1985 TOTAL 1869780 MEAN 5123 MAX 34400 MIN 1190 MEAN† 5089 CFSM† 1.09 IN† 14.80
WTR YR 1986 TOTAL 1310360 MEAN 3590 MAX 12700 MIN 1150 MEAN† 3028 CFSM† 0.65 IN† 8.81

† ADJUSTED FOR CHANGE IN CONTENTS IN LAKE SIDNEY LANIER, WEST POINT LAKE, AND LAKE HARDING.

02341500 CHATTAHOOCHEE RIVER AT COLUMBUS, GA.--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.90	6.82	8.06	7.72	5.22	5.38	6.48	6.28	4.39	4.27	3.40	3.44
2	5.92	5.22	9.91	7.41	5.33	5.25	6.54	5.60	5.19	4.43	2.37	3.89
3	5.79	5.31	10.48	7.39	6.58	5.73	6.74	4.82	5.38	3.98	2.42	3.92
4	5.75	6.92	8.32	6.52	6.58	5.96	6.66	4.87	5.27	3.46	2.40	3.86
5	5.67	7.58	7.82	6.63	7.39	6.13	6.25	5.59	5.16	2.53	2.52	3.93
6	5.49	7.76	8.73	---	7.95	6.10	6.05	5.57	4.38	2.61	2.55	3.38
7	6.18	7.02	7.06	7.02	7.58	5.93	6.40	5.45	3.92	3.85	2.33	3.80
8	6.29	6.29	6.69	6.83	6.40	5.82	6.76	5.28	4.19	3.96	2.56	3.81
9	5.70	5.85	7.69	6.48	6.78	5.72	6.46	5.33	4.52	3.91	2.25	4.32
10	5.76	5.93	7.81	6.19	7.69	6.00	6.68	5.08	5.33	4.06	2.32	4.27
11	5.82	5.96	7.87	6.06	---	6.01	5.65	4.61	5.20	3.99	2.34	3.48
12	3.39	5.90	8.37	6.26	---	6.22	5.42	5.31	5.25	2.47	2.34	4.36
13	3.43	5.82	9.36	6.56	---	9.38	5.59	5.53	4.97	2.42	2.99	4.02
14	4.85	6.05	7.27	6.89	7.25	12.19	5.73	5.28	4.02	4.22	2.98	4.36
15	5.21	5.78	---	6.70	7.16	9.94	5.92	5.27	3.94	4.43	2.60	3.91
16	5.28	5.48	---	7.11	7.41	8.50	5.94	5.05	4.20	4.58	2.60	---
17	5.10	5.55	6.80	6.49	7.56	7.80	5.68	4.52	4.81	4.34	2.51	---
18	5.17	5.83	7.33	6.26	8.01	7.09	5.55	4.42	4.98	4.74	3.04	---
19	5.16	5.64	7.61	6.46	8.02	10.29	5.09	5.19	5.21	4.29	2.58	---
20	3.70	5.51	7.79	6.71	8.45	12.48	5.31	5.21	4.45	3.85	2.77	3.77
21	5.23	5.54	7.00	6.64	8.18	11.95	5.46	5.16	3.65	4.48	2.84	3.97
22	5.30	5.76	---	6.60	6.62	10.61	5.30	5.09	3.75	4.23	2.62	4.03
23	5.47	5.39	7.77	6.40	6.77	8.57	5.58	4.91	5.00	4.28	2.54	4.25
24	6.01	5.49	6.60	6.13	7.44	6.59	6.61	4.62	4.78	2.96	2.54	---
25	6.76	5.74	6.49	5.69	7.23	7.14	6.50	4.25	4.90	3.09	2.61	---
26	7.22	5.82	---	5.70	7.27	7.45	5.13	4.87	4.85	2.76	2.57	---
27	7.37	6.20	---	---	6.85	7.14	5.12	4.57	4.91	2.75	2.75	4.00
28	8.15	6.23	6.35	---	6.53	6.75	5.58	5.55	3.89	2.82	2.62	4.07
29	7.87	6.08	6.57	5.99	---	6.55	5.68	5.40	3.73	3.06	2.49	4.37
30	8.06	7.66	7.42	5.85	---	6.38	5.45	5.56	4.19	3.18	2.44	4.14
31	8.12	---	7.65	5.62	---	6.23	---	4.66	---	3.38	3.13	---
MEAN	5.84	6.07	---	---	---	7.53	5.91	5.13	4.61	3.66	2.61	---
MAX	8.15	7.76	---	---	---	12.48	6.76	6.28	5.38	4.74	3.40	---
MIN	3.39	5.22	---	---	---	5.25	5.09	4.25	3.65	2.42	2.25	---

02341800 UPATOI CREEK NEAR COLUMBUS, GA.

LOCATION.--Lat 32°24'48", long 84°49'12", Muscogee-Chattahoochee County line, Hydrologic Unit 03130003, at downstream side of pier near left end of bridge on Red Arrow Road at Fort Benning, 2 mi downstream from Randall Creek, 2 mi upstream from Ochillee Creek, 8 mi southeast of Columbus, and 12 mi upstream from mouth.
DRAINAGE AREA.--342 mi^2.
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.--No estimated daily discharges. Records good.
AVERAGE DISCHARGE.--18 years, 462 ft^3/s, 18.34 in/yr.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 17,300 ft^3/s Apr. 1, 1981, gage height, 21.06 ft; minimum, 72 ft^3/s July 16, Aug. 7, 1986.
EXTREMES FOR CURRENT YEAR.--Peak discharge greater than base discharge of 3,500 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Mar. 14	0530	*9,790	*16.22	Mar. 19	1845	6,850	13.59

Minimum discharge, 72 ft^3/s July 16, Aug. 7.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	142	209	533	603	221	294	373	159	171	104	83	160
2	376	232	510	489	222	278	357	155	149	100	79	158
3	312	194	348	365	219	274	336	151	136	102	75	150
4	246	177	250	307	216	269	320	148	128	103	74	248
5	194	158	210	278	520	258	306	146	123	98	74	428
6	162	143	190	251	1090	252	293	144	123	93	74	329
7	144	136	176	238	1070	245	289	145	127	89	75	257
8	134	132	167	231	642	240	293	142	132	87	75	293
9	130	129	165	218	484	237	279	137	126	84	82	246
10	126	127	161	252	505	238	251	134	138	80	109	177
11	123	125	159	415	1050	242	241	131	319	78	108	150
12	120	126	196	367	787	243	238	132	268	76	119	159
13	120	127	1290	295	565	3640	248	135	177	76	240	179
14	120	128	1040	255	466	7510	240	135	143	75	201	159
15	120	127	591	238	607	2430	230	133	128	74	149	142
16	120	127	401	228	527	1470	223	128	122	74	120	148
17	126	125	318	225	445	1140	212	122	116	83	106	147
18	128	124	280	230	746	861	208	119	125	84	110	143
19	127	123	256	676	807	3120	205	145	113	81	106	173
20	127	123	240	553	596	3880	205	170	124	79	126	189
21	125	139	229	383	490	1940	216	149	133	78	209	157
22	122	235	221	321	443	1210	214	129	114	90	174	137
23	121	265	220	291	509	911	209	120	103	96	130	127
24	124	209	222	268	437	761	197	114	100	101	111	123
25	124	170	215	249	378	663	189	109	97	95	102	120
26	121	154	200	260	344	593	185	105	95	109	99	113
27	117	147	199	258	330	548	180	110	95	140	103	108
28	150	144	217	233	318	496	177	163	136	147	164	103
29	194	174	274	231	---	449	170	324	162	115	159	100
30	178	336	259	234	---	420	161	330	125	99	129	98
31	171	---	266	227	---	396	---	222	---	89	133	---
TOTAL	4744	4865	10003	9669	15034	35508	7245	4686	4148	2879	3698	5221
MEAN	153	162	323	312	537	1145	242	151	138	92.9	119	174
MAX	376	336	1290	676	1090	7510	373	330	319	147	240	428
MIN	117	123	159	218	216	237	161	105	95	74	74	98
CFSM	.45	.47	.94	.91	1.57	3.35	.71	.44	.40	.27	.35	.51
IN.	.52	.53	1.09	1.05	1.64	3.86	.79	.51	.45	.31	.40	.57

CAL YR 1985 TOTAL 92183 MEAN 253 MAX 3380 MIN 93 CFSM .74 IN 10.03
WTR YR 1986 TOTAL 107700 MEAN 295 MAX 7510 MIN 74 CFSM .86 IN 11.71

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 mi^2, 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.--No estimated daily discharges. Records good. 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).
AVERAGE DISCHARGE.--11 years, 11,040 ft^3/s, 18.26 in/yr, unadjusted.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 131,000 ft^3/s, Jan. 27, 1978, maximum headwater gage height, 118.12 ft Jan 27, 1978, maximum tailwater gage height, 116.66 ft Jan. 27, 1978; minimum daily discharge, 499 ft^3/s Mar. 3, 1986.
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.
EXTREMES FOR CURRENT YEAR.--Maximum discharge, 60,400 ft^3/s Mar. 15, maximum headwater gage height, 104.60 ft Mar. 11, maximum tailwater gage height, 100.54 ft Mar. 15; minimum daily discharge, 499 ft^3/s Mar. 3.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7550	4850	1780	13900	1240	5820	7260	8350	919	9340	4180	2400
2	10400	1820	19900	8790	1150	567	7480	7230	4960	9710	1610	2940
3	11000	974	12000	10900	6120	499	7790	2020	6240	9730	769	2950
4	10800	3810	12100	1790	8070	1710	11400	948	6180	8660	2310	3200
5	7320	3980	11800	1500	8960	4690	2200	5440	6140	1780	2840	3080
6	1400	3890	11900	8550	9800	4560	1010	7380	6100	847	2860	1090
7	5800	4410	2030	9610	12400	4540	8170	7320	1300	4180	3030	910
8	6760	4100	897	9430	9070	4490	7660	7450	811	5400	3100	2180
9	6800	1370	2550	9490	1630	4630	8240	7230	4510	7190	1410	2860
10	6650	865	6430	10900	11800	4740	6000	2010	5660	7670	707	2750
11	7010	4340	11200	2960	13000	5630	5380	939	5570	6900	2370	2660
12	1320	6190	11600	2250	12600	6130	1420	5350	5640	1700	3590	2690
13	869	5600	19800	7390	14000	9110	1030	6880	5670	761	2810	1380
14	5130	5460	30200	7720	14400	39100	5350	6890	1360	2620	3130	918
15	6450	5340	11900	7340	5200	48500	6300	6900	764	4060	2990	2110
16	6310	1570	8510	7360	2330	28800	7230	6800	4190	4210	1580	2540
17	6440	874	7900	7490	12800	15600	7240	1630	4820	3970	787	2810
18	6430	5370	7630	1560	14600	12400	7170	888	4970	4040	2480	3290
19	1600	6790	7520	1570	14600	10100	1870	4580	5040	1480	2840	2950
20	904	6020	7290	6930	14100	18500	899	5980	5270	743	2720	1180
21	5050	6710	1220	8130	14200	40500	5130	5930	1710	4470	2770	879
22	6340	4580	1070	9690	4740	32700	6120	5980	722	6360	2880	2270
23	6570	2160	7290	10100	1930	28400	6550	5810	3760	6240	1230	2620
24	7160	1200	7940	9860	14500	15800	5860	1840	5100	6620	917	2890
25	10500	5580	8050	1990	16100	12300	6240	923	5160	6590	2100	2820
26	2440	2780	7830	1350	16100	12300	2160	4030	4980	2010	2560	2780
27	887	2690	8020	9000	11300	12300	877	5030	4890	889	2810	1220
28	7330	3070	1770	10400	13600	5900	3630	5280	1810	4020	2810	847
29	9580	3030	1270	10500	---	1400	6800	5440	780	5300	3210	2120
30	7360	1370	7600	6760	---	5850	7060	5430	3570	4360	1390	2630
31	6820	---	8750	5760	---	8520	---	1670	---	4100	729	---
TOTAL	186980	110793	265747	220970	280340	406086	161526	149578	118596	145950	71519	67964
MEAN	6032	3693	8572	7128	10010	13100	5384	4825	3953	4708	2307	2265
MAX	11000	6790	30200	13900	16100	48500	11400	8350	6240	9730	4180	3290
MIN	869	865	897	1350	1150	499	877	888	722	743	707	847

CAL YR 1985 TOTAL 2596166 MEAN 7113 MAX 33900 MIN 796 MEAN† 7253 CFSM† .88 IN† 12.00
WTR YR 1986 TOTAL 2186049 MEAN 5989 MAX 48500 MIN 499 MEAN† 5482 CFSM† .67 IN† 9.07

†ADJUSTED FOR CHANGE IN CONTENTS IN LAKE SIDNEY LANIER, WEST POINT LAKE, LAKE HARDING, AND WALTER F. GEORGE LAKE.

02343801 CHATTAHOOCHEE RIVER NEAR COLUMBIA, ALA.--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 1982 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM)	PH (STAND-ARD UNITS)	PH LAB (STAND-ARD UNITS)	TEMPER-ATURE WATER (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)	BICAR-BONATE IT-FLD (MG/L AS HCO3)	ALKA-LINITY, CARBON-ATE IT-FLD (MG/L - CACO3)	ALKA-LINITY LAB (MG/L AS CACO3)
OCT												
09...	0930	1730	83	85	7.40	7.70	23.0	7.0	82	25	22	20
JAN												
09...	1130	16300	81	82	7.20	7.30	9.5	10.3	90	26	22	17
MAR												
24...	1030	15600	74	80	7.30	7.80	15.0	8.8	87	21	17	18
JUN												
02...	1000	847	70	78	7.50	7.80	26.0	9.0	113	23	19	20
JUL												
02...	1000	3410	87	90	6.80	7.70	28.0	3.1	40	25	21	22
AUG												
06...	0745	1700	85	93	6.90	7.50	30.0	4.4	59	33	27	26

DATE	TUR-BID-ITY (NTU)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD-NESS (MG/L AS CACO3)	HARD-NESS NONCARB WH WAT TOT LAB 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)	PERCENT SODIUM	SODIUM AD-SORP-TION RATIO	POTAS-SIUM, DIS-SOLVED (MG/L AS K)
OCT											
09...	1.0	K10	180	21	1	6.1	1.4	7.2	40	0.7	2.1
JAN											
09...	6.0	230	300	20	3	5.6	1.4	7.3	41	0.7	2.4
MAR											
24...	9.8	25	K13	20	2	5.9	1.2	5.6	36	0.6	1.9
JUN											
02...	7.5	100	34	21	1	6.4	1.3	5.0	32	0.5	1.8
JUL											
02...	4.2	1100	5	23	1	6.9	1.4	6.4	35	0.6	2.0
AUG											
06...	2.6	K30	66	23	0	6.9	1.5	7.6	39	0.7	2.2

DATE	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO2)	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)
OCT									
09...	1.6	11	5.7	0.20	6.2	59	52	276	0.08
JAN									
09...	2.6	8.2	4.6	0.10	7.7	48	50	2110	0.06
MAR									
24...	1.7	11	5.3	0.10	6.9	64	48	2700	0.09
JUN									
02...	1.2	10	4.7	<0.10	6.7	55	47	126	0.08
JUL									
02...	6.3	12	5.3	0.20	3.9	58	51	534	0.08
AUG									
06...	6.6	9.9	5.9	0.20	2.2	59	53	271	0.08

02343801 CHATTAHOOCHEE RIVER NEAR COLUMBIA, ALA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	NITROGEN, NITRITE DISSOLVED (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN,AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, DISSOLVED (MG/L AS P)	PHOSPHORUS, ORTHO, DISSOLVED (MG/L AS P)
OCT											
09...	0.020	--	0.120	<0.010	0.030	--	0.40	--	0.050	0.010	<0.010
JAN											
09...	0.010	0.400	0.420	0.040	0.030	0.46	0.50	0.90	0.030	0.010	0.010
MAR											
24...	<0.010	--	0.400	0.110	0.100	0.59	0.70	--	0.040	0.010	<0.010
JUN											
02...	<0.010	--	0.110	0.020	0.020	0.58	0.60	--	0.030	0.010	<0.010
JUL											
02...	<0.010	--	<0.100	0.200	0.190	0.50	0.70	--	0.050	0.050	0.040
AUG											
06...	<0.010	--	<0.100	0.070	0.040	0.63	0.70	--	0.040	<0.010	<0.010

DATE	ALUMINUM, DISSOLVED (UG/L AS AL)	ARSENIC DISSOLVED (UG/L AS AS)	BARIUM, DISSOLVED (UG/L AS BA)	BERYLLIUM, DISSOLVED (UG/L AS BE)	CADMIUM DISSOLVED (UG/L AS CD)	CHROMIUM, DISSOLVED (UG/L AS CR)	COBALT, DISSOLVED (UG/L AS CO)	COPPER, DISSOLVED (UG/L AS CU)	IRON, DISSOLVED (UG/L AS FE)	LEAD, DISSOLVED (UG/L AS PB)
OCT										
09...	10	<1	16	<0.5	<1	<1	<3	1	7	2
JAN										
09...	<10	<1	15	0.6	<1	<1	<3	2	35	<1
JUN										
02...	100	<1	17	<0.5	<1	<1	<3	<1	50	2

DATE	LITHIUM DISSOLVED (UG/L AS LI)	MANGANESE, DISSOLVED (UG/L AS MN)	MERCURY DISSOLVED (UG/L AS HG)	MOLYBDENUM, DISSOLVED (UG/L AS MO)	NICKEL, DISSOLVED (UG/L AS NI)	SELENIUM, DISSOLVED (UG/L AS SE)	SILVER, DISSOLVED (UG/L AS AG)	STRONTIUM, DISSOLVED (UG/L AS SR)	VANADIUM, DISSOLVED (UG/L AS V)	ZINC, DISSOLVED (UG/L AS ZN)
OCT										
09...	8	<1	0.3	<10	6	<1	<1	32	<6	39
JAN										
09...	<4	<1	0.1	<10	1	<1	<1	30	<6	16
JUN										
02...	<4	2	0.6	<10	1	<1	<1	31	<6	53

DATE	TIME	STREAMFLOW, INSTANTANEOUS (CFS)	TEMPERATURE WATER (DEG C)	SEDIMENT, SUSPENDED (MG/L)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT						
09...	0935	1730	23.0	6	28	92
JAN						
09...	1135	16300	9.5	22	968	49
MAR						
24...	1035	15600	15.0	9	379	97
JUN						
02...	1005	847	26.0	10	23	73
JUL						
02...	1005	3410	28.0	4	37	81
AUG						
06...	0750	1700	30.0	3	14	85

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 determination of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen by the U.S. Geological Survey. Flow 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 1985 TO SEPTEMBER 1986

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM)	SPECIFIC CONDUCTANCE LAB (US/CM)	PH (STANDARD UNITS)	PH LAB (STANDARD UNITS)	TEMPERATURE (DEG C)	TEMPERATURE, AIR (DEG C)	OXYGEN, DISSOLVED (MG/L)	OXYGEN, DISSOLVED (PERCENT SATURATION)
NOV									
20...	1255	108	109	7.40	7.10	21.0	24.5	8.6	97
DEC									
10...	1230	112	104	7.80	7.50	16.0	20.0	9.9	100
JAN									
22...	1240	105	96	7.50	7.20	12.5	21.5	12.2	115
FEB									
26...	1405	92	88	7.50	7.20	12.5	21.5	12.5	119
MAR									
19...	1335	93	90	7.30	7.00	17.5	27.0	10.6	112
APR									
15...	1345	96	95	6.80	7.20	20.0	22.0	8.6	96
MAY									
21...	1245	92	92	6.80	7.00	25.0	24.5	8.6	105
JUN									
18...	1205	112	109	7.00	7.30	29.0	34.0	9.2	121
JUL									
23...	1215	105	108	7.10	7.30	30.5	31.0	8.6	116
AUG									
19...	1205	133	131	7.10	7.60	30.0	31.5	7.1	95
SEP									
17...	1200	115	115	7.10	7.60	29.0	30.0	9.4	123

DATE	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (NTU)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	COLIFORM, FECAL, EC BROTH (MPN)	ALKALINITY LAB (MG/L AS CACO3)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
NOV										
20...	25	9.0	2.2	70	25	14	0.270	0.060	<0.020	7.3
DEC										
10...	10	6.0	1.3	40	30	3	0.370	0.040	<0.020	5.6
JAN										
22...	30	8.0	1.6	80	27	5	0.550	<0.020	<0.020	3.8
FEB										
26...	10	7.0	2.0	40	22	9	0.660	0.050	<0.020	5.0
MAR										
19...	20	16	1.5	100	23	21	0.510	0.100	<0.020	4.0
APR										
15...	40	14	1.1	20	25	7	0.380	0.080	0.020	6.8
MAY										
21...	5	12	2.4	70	23	3	0.300	0.090	0.020	7.1
JUN										
18...	20	5.0	1.4	40	27	1	0.120	0.040	<0.020	7.0
JUL										
23...	5	10	2.0	3300	28	11	0.100	0.080	0.020	9.1
AUG										
19...	15	10	2.8	80	39	16	0.300	0.110	0.030	9.4
SEP										
17...	5	4.0	2.6	70	32	4	0.170	0.080	0.070	6.3

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 mi^2.
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 determination of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen is by the U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM)	PH (STAND-ARD UNITS)	PH LAB (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	TEMPER-ATURE, AIR (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)
NOV										
07...	1215	32	205	205	7.10	6.90	15.0	18.0	5.6	57
19...	1215	38	215	198	7.20	6.90	18.0	21.0	3.5	37
DEC										
04...	1330	45	172	166	7.20	7.00	13.0	7.5	4.1	39
JAN										
08...	1315	--	208	193	7.20	7.20	8.0	2.0	7.6	64
FEB										
05...	1000	--	--	175	6.80	7.00	13.0	17.0	6.3	--
MAR										
05...	1015	--	--	208	6.90	7.10	8.5	9.0	7.0	--
APR										
02...	1045	--	--	239	7.20	7.10	17.0	27.0	5.5	--
MAY										
07...	1130	--	320	296	7.10	7.20	20.5	27.0	3.0	34
JUN										
11...	1115	--	123	118	6.60	6.50	23.0	32.0	3.4	41
JUL										
10...	1045	--	215	206	7.10	7.00	27.0	32.5	2.4	31
AUG										
12...	1130	--	105	101	6.50	6.70	23.5	24.0	4.0	48
SEP										
02...	1130	--	110	111	6.60	--	20.0	23.0	5.2	58

DATE	TUR-BID-ITY (NTU)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, FECAL, EC BROTH (MPN)	ALKA-LINITY LAB (MG/L AS CACO3)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (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)
NOV										
07...	15	3.2	49000	50	3	160	1.08	0.870	0.700	5.3
19...	16	2.3	790	44	2	128	1.18	0.260	1.04	7.5
DEC										
04...	18	2.0	1700	40	<1	92	0.820	0.560	0.440	6.1
JAN										
08...	16	2.5	3300	50	7	88	0.740	2.90	0.530	6.5
FEB										
05...	33	7.8	2200	44	29	162	0.620	1.98	0.620	7.0
MAR										
05...	11	2.1	--	48	7	132	1.04	2.74	0.830	8.1
APR										
02...	15	5.6	330	58	11	180	0.570	4.85	0.820	11
MAY										
07...	16	6.5	700	68	12	200	0.300	6.40	1.49	11
JUN										
11...	120	7.1	630000	22	71	184	0.730	0.710	0.490	8.6
JUL										
10...	15	5.4	140000	51	13	--	0.580	1.78	0.860	14
AUG										
12...	81	3.4	110000	20	37	--	0.440	0.280	0.400	13
SEP										
02...	36	2.6	230	25	20	--	0.940	0.230	0.390	8.0

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 mi^2.
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 determination of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen is by the U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM)	PH (STAND-ARD UNITS)	PH LAB (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	TEMPER-ATURE, AIR (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)
NOV										
07...	1130	36	175	178	7.10	6.90	15.0	18.0	5.2	53
19...	1130	31	215	200	6.90	7.00	18.0	21.0	3.5	37
DEC										
04...	1230	76	--	119	7.20	7.00	13.0	6.5	4.1	--
JAN										
08...	1200	58	258	236	7.20	7.20	6.5	2.0	7.6	62
FEB										
05...	0930	68	190	176	6.80	7.00	12.0	17.0	6.0	57
MAR										
05...	0945	32	195	178	6.80	6.90	7.5	8.5	8.0	68
APR										
02...	1130	36	--	204	7.00	7.00	17.5	27.5	5.6	--
MAY										
07...	1100	--	--	230	7.00	7.00	19.5	26.5	4.5	--
JUN										
11...	1145	25	175	167	6.80	6.80	24.5	32.0	3.5	43
JUL										
10...	1300	18	245	254	7.20	7.00	26.5	37.0	3.2	41
AUG										
12...	1100	36	108	106	6.50	6.70	24.0	24.0	4.6	56
SEP										
02...	1100	200	105	100	6.40	6.40	19.0	22.5	5.6	62

DATE	TUR-BID-ITY (NTU)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, FECAL, EC BROTH (MPN)	ALKA-LINITY LAB (MG/L AS CACO3)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (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)
NOV										
07...	21	1.4	5100	44	9	152	0.950	0.430	0.450	6.0
19...	15	1.4	170	48	10	140	0.520	0.070	0.500	7.7
DEC										
04...	24	1.3	510	30	3	56	0.980	0.110	0.210	6.4
JAN										
08...	16	2.0	20	50	10	164	2.02	2.80	1.72	6.8
FEB										
05...	17	3.0	70	40	9	136	1.68	0.860	0.460	5.1
MAR										
05...	13	1.3	--	35	11	124	2.52	0.600	0.450	7.9
APR										
02...	22	2.2	7900	39	20	160	1.96	0.500	0.420	8.4
MAY										
07...	52	6.8	170	48	53	200	2.12	1.37	0.580	9.0
JUN										
11...	51	4.6	2200	34	40	172	1.70	0.660	0.490	6.6
JUL										
10...	15	4.7	2300	50	19	--	2.58	1.14	0.950	10
AUG										
12...	80	2.7	330000	18	37	--	0.770	0.180	0.500	9.9
SEP										
02...	46	2.5	7900	17	20	--	0.820	0.090	0.370	7.0

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 mi^2.
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.--Estimated daily discharge: January 28. Records fair.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,890 ft^3/s Dec. 1, 1985, gage height, 11.08 ft; minimum daily discharge, 19 ft^3/s July 13 and 16, 1986.
EXTREMES FOR CURRENT YEAR.-Peak discharges greater than base discharge of 1,300 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)
Oct. 2	2100	1,550	10.33
Dec. 1	0600	*1,890	*11.08

Minimum daily discharge, 19 ft^3/s July 13 and 16.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	61	110	1640	114	83	85	97	56	52	25	27	68
2	816	199	759	179	79	82	95	55	44	27	55	125
3	1120	185	391	116	78	85	92	53	41	37	77	146
4	365	128	193	98	77	82	90	52	41	27	34	98
5	137	119	144	92	87	81	88	50	40	24	27	101
6	91	87	124	87	143	79	87	49	39	22	26	200
7	72	76	111	83	190	79	85	50	40	21	27	129
8	64	71	102	82	153	79	83	52	40	20	30	104
9	62	68	96	82	101	76	84	60	39	21	43	145
10	60	65	93	82	109	76	90	51	56	21	42	94
11	58	63	90	82	318	77	79	48	64	24	80	57
12	56	65	97	80	417	78	77	49	84	20	88	48
13	55	65	284	78	177	114	78	84	48	19	107	47
14	56	64	536	76	133	560	74	124	37	21	68	47
15	56	63	236	75	159	627	72	68	33	20	50	39
16	56	63	138	74	287	248	70	58	31	19	38	36
17	57	62	118	76	159	152	67	75	29	21	35	40
18	58	61	111	81	140	129	68	77	28	25	34	69
19	58	61	104	110	178	120	68	78	27	25	35	79
20	56	62	98	236	152	384	68	165	27	23	35	85
21	57	64	95	130	122	787	83	172	25	21	30	49
22	56	110	92	98	111	340	92	82	24	21	31	41
23	71	291	92	90	105	175	79	61	23	62	35	44
24	68	173	92	84	99	150	69	56	23	49	31	38
25	63	97	90	81	94	137	66	57	24	61	27	37
26	61	82	83	94	91	127	64	60	24	64	25	36
27	62	76	80	125	91	119	62	83	23	52	34	33
28	98	74	86	100	88	112	60	61	24	44	81	33
29	224	103	91	87	---	106	59	107	40	47	106	30
30	158	755	87	96	---	102	57	156	32	31	71	29
31	91	---	85	91	---	98	---	85	---	26	41	---
TOTAL	4423	3562	6438	3059	4021	5546	2303	2334	1102	940	1470	2127
MEAN	143	119	208	98.7	144	179	76.8	75.3	36.7	30.3	47.4	70.9
MAX	1120	755	1640	236	417	787	97	172	84	64	107	200
MIN	55	61	80	74	77	76	57	48	23	19	25	29
CFSM	1.10	.92	1.60	.76	1.11	1.38	.59	.58	.28	.23	.37	.55
IN.	1.27	1.02	1.84	.88	1.15	1.59	.66	.67	.32	.27	.42	.61

WTR YR 1986 TOTAL 37325 MEAN 102 MAX 1640 MIN 19 CFSM .79 IN 10.68

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 mi^2.
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 determination of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen is by the U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM)	PH (STAND-ARD UNITS)	PH LAB (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	TEMPER-ATURE, AIR (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)
NOV										
07...	1030	87	108	110	7.20	6.90	15.0	18.0	6.0	61
19...	1030	76	155	148	7.20	7.10	18.0	21.0	5.4	57
DEC										
04...	1100	228	--	72	7.10	6.80	12.5	6.5	5.2	--
JAN										
08...	1115	98	112	109	7.20	7.20	8.5	1.5	8.0	68
FEB										
05...	0845	105	--	116	7.00	7.10	11.0	16.0	9.0	--
MAR										
05...	0900	93	130	123	6.90	7.10	8.0	7.0	10.0	86
APR										
02...	1200	96	--	122	7.10	7.10	18.0	28.0	8.5	--
MAY										
07...	1015	42	--	167	7.00	7.00	19.0	26.0	5.9	--
JUN										
11...	1215	76	170	164	7.00	7.00	24.0	32.0	5.6	68
JUL										
10...	1215	--	205	208	7.00	7.30	26.5	36.0	6.2	80
AUG										
12...	1030	94	140	134	6.60	6.90	24.0	24.0	5.5	67
SEP										
02...	1030	112	145	138	6.70	6.90	19.0	22.5	6.8	75

DATE	TUR-BID-ITY (NTU)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, FECAL, EC BROTH (MPN)	ALKA-LINITY LAB (MG/L AS CACO3)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (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)
NOV										
07...	16	0.6	20	30	<1	100	0.430	0.120	0.250	5.3
19...	11	1.0	<20	42	<1	100	0.160	0.080	0.270	6.8
DEC										
04...	33	1.1	700	20	1	104	0.310	0.070	0.180	6.3
JAN										
08...	12	1.0	60	31	7	96	0.810	0.220	0.220	5.1
FEB										
05...	11	1.6	50	29	6	92	0.700	0.090	0.210	3.9
MAR										
05...	9.0	0.9	--	29	5	100	0.910	0.110	0.190	6.2
APR										
02...	14	1.1	70	32	5	116	0.950	0.060	0.250	5.5
MAY										
07...	21	3.2	35	32	10	132	1.52	0.160	0.400	7.3
JUN										
11...	24	2.4	70	32	13	152	1.38	0.180	0.610	4.2
JUL										
10...	7.0	1.0	50	49	5	--	0.990	0.050	0.420	6.9
AUG										
12...	31	1.8	140	17	6	--	0.650	0.080	0.360	7.0
SEP										
02...	21	2.7	79000	24	15	--	0.940	0.100	0.350	6.2

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 mi^2.
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 determination of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen is by the U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM)	PH (STAND-ARD UNITS)	PH LAB (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	TEMPER-ATURE, AIR (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)
NOV										
07...	0930	96	110	107	7.20	7.00	14.5	18.0	6.2	62
19...	1000	79	145	142	7.20	7.10	17.0	21.0	5.4	56
DEC										
04...	1030	520	--	67	7.20	6.70	12.5	6.0	5.2	--
JAN										
08...	1030	118	--	100	7.10	7.20	9.0	1.5	7.8	--
FEB										
05...	0800	123	--	112	6.90	7.20	11.0	16.0	9.0	--
MAR										
05...	0815	108	--	109	6.80	7.10	8.0	5.0	10.8	--
APR										
02...	1245	113	--	110	7.20	7.20	18.0	28.0	8.4	--
MAY										
07...	0945	43	--	154	7.10	6.90	19.0	25.0	5.6	--
JUN										
11...	1300	70	165	162	7.10	7.00	24.0	32.0	5.8	71
JUL										
10...	1130	28	182	182	7.20	7.10	27.0	35.0	5.2	67
AUG										
12...	1000	--	180	177	6.90	7.40	25.0	23.0	5.3	66
SEP										
02...	1000	--	130	123	6.80	7.00	19.5	22.0	6.6	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, CON-FIRMED (MPN)	COLI-FORM, FECAL, EC BROTH (MPN)	ALKA-LINITY LAB (MG/L AS CACO3)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (MG/L)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)
NOV										
07...	16	13	0.7	3300	50	29	5	88	0.330	0.090
19...	13	11	0.6	--	20	42	5	84	0.110	0.070
DEC										
04...	34	16	1.1	3100	330	17	2	44	0.240	0.050
JAN										
08...	11	22	0.6	2200	20	28	<1	60	0.710	0.210
FEB										
05...	10	10	1.8	1300	50	28	5	80	0.700	0.110
MAR										
05...	10	4	1.0	--	--	30	5	80	0.610	0.070
APR										
02...	14	13	1.2	460	130	30	12	104	0.570	0.060
MAY										
07...	24	14	2.8	--	50	36	15	120	1.39	0.120
JUN										
11...	20	15	1.7	1400	330	35	11	120	1.12	0.070
JUL										
10...	12	13	1.5	--	170	47	11	--	0.370	0.070
AUG										
12...	19	17	1.8	--	4600	33	8	--	1.09	0.070
SEP										
02...	15	14	1.7	--	2800	26	7	--	0.410	0.060

02344400 FLINT RIVER ABOVE GRIFFIN, GA.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	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)
NOV					
07...	0.21	0.30	0.63	0.190	5.6
19...	0.03	0.10	0.21	0.220	6.5
DEC					
04...	0.25	0.30	0.54	0.140	7.1
JAN					
08...	0.19	0.40	1.1	0.170	6.1
FEB					
05...	0.29	0.40	1.1	0.170	3.0
MAR					
05...	0.43	0.50	1.1	0.130	5.3
APR					
02...	0.24	0.30	0.87	0.160	6.2
MAY					
07...	0.68	0.80	2.2	0.290	7.9
JUN					
11...	0.33	0.40	1.5	0.470	4.1
JUL					
10...	0.63	0.70	1.1	0.350	7.8
AUG					
12...	0.43	0.50	1.6	0.470	7.3
SEP					
02...	0.24	0.30	0.71	0.350	6.8

02344500 FLINT RIVER NEAR GRIFFIN, GA.

LOCATION.--Lat 33°14'39", long 84°25'45", Spalding County, Hydrologic Unit 03130005, at downstream side of pier of bridge 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 mi^2.

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.--Estimated daily discharges: Aug. 31 to Sept. 23. Records good, except those for the period Aug. 31-Sept. 23, and those less than 9.0 ft^3/s, which are fair. Some diurnal fluctuation at low flow. City of Griffin diverted an average of about 8 ft^3/s for municipal supply at pumping plant 6 mi above station. An average of about 1 ft^3/s of the diversion was discharged as sewage effluent into tributaries of Towaliga River, and an average of about 3 ft^3/s was returned as sewage effluent to Flint River about 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.

AVERAGE DISCHARGE.--49 years, 350 ft^3/s, 17.47 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 13,200 ft^3/s Nov. 27, 1948, gage height, 18.0 ft; minimum daily, 1.8 ft^3/s July 18, 1986.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Mar. 14 or 15, 1929, reached a stage of 17.9 ft, present datum, from floodmark located by local resident, discharge, 15,300 ft^3/s.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 2,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)
Dec. 2	1500	*2,080	*10.87

Minimum daily discharge, 1.8 ft^3/s July 18.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	72	197	1390	175	150	142	145	62	126	44	19	70
2	130	198	1940	206	140	141	139	58	80	29	17	55
3	301	277	1330	245	135	135	136	55	60	23	26	35
4	779	301	714	199	130	133	131	58	55	31	77	50
5	755	207	377	171	159	130	128	60	51	28	41	100
6	246	176	271	159	216	130	128	59	49	22	18	130
7	138	138	229	149	284	126	122	56	46	22	12	80
8	105	119	205	144	289	124	116	48	54	22	22	90
9	90	112	189	139	245	126	114	52	59	21	30	170
10	85	110	175	142	196	123	112	65	55	19	38	130
11	80	104	169	145	334	119	114	58	68	19	44	90
12	76	100	171	144	455	123	107	53	82	22	62	100
13	75	102	273	140	485	268	107	63	96	19	96	80
14	73	102	394	134	302	642	104	96	66	9.2	112	50
15	70	104	521	131	272	644	94	126	49	5.4	84	40
16	74	104	393	129	288	766	91	79	45	3.5	56	37
17	73	105	237	128	351	472	88	61	41	2.5	38	35
18	74	105	203	133	299	265	86	70	36	1.8	29	32
19	76	103	186	156	274	227	83	94	26	1.9	25	28
20	75	105	174	190	275	442	88	89	23	6.6	23	30
21	75	108	165	269	244	597	102	145	28	10	24	55
22	73	158	160	206	209	780	120	158	29	9.8	22	65
23	72	217	157	165	193	618	115	89	26	6.8	17	70
24	83	307	154	149	176	303	99	64	26	22	9.5	41
25	86	273	151	140	164	240	87	57	25	53	16	38
26	81	178	144	152	154	212	81	59	25	52	13	33
27	90	150	137	173	146	196	79	53	25	75	10	31
28	166	139	137	184	147	183	80	82	29	68	11	29
29	178	183	146	164	---	174	75	106	27	44	42	27
30	229	601	150	152	---	163	67	149	34	45	84	25
31	222	---	148	155	---	155	---	183	---	27	90	---
TOTAL	4802	5183	11190	5068	6712	8899	3138	2507	1441	764.5	1207.5	1846
MEAN	155	173	361	163	240	287	105	80.9	48.0	24.7	39.0	61.5
MAX	779	601	1940	269	485	780	145	183	126	75	112	170
MIN	70	100	137	128	130	119	67	48	23	1.8	9.5	25
CFSM	.57	.64	1.33	.60	.88	1.06	.39	.30	.18	.09	.14	.23
IN.	.66	.71	1.53	.69	.92	1.22	.43	.34	.20	.10	.17	.25

CAL YR 1985 TOTAL 96109.0 MEAN 263 MAX 3090 MIN 48 CFSM .97 IN 13.14
WTR YR 1986 TOTAL 52758.0 MEAN 145 MAX 1940 MIN 1.8 CFSM .53 IN 7.22

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 mi^2, approximately.
PERIOD OF RECORD.--September 1964 to current year.
GAGE.--Water-stage recorder. Elevation of gage is 740 ft above National Geodetic Vertical Datum of 1929 (from topographic map).
REMARKS.--Estimated daily discharges: Dec. 5-18, Aug. 19-27, Sept. 6-24.
Records good, except those for the periods Dec. 5-18 and June 28 to Sept. 30, which are fair. Low flow affected by withdrawals and return flow by several municipalities and by regulation of water level of Lake Peachtree.
AVERAGE DISCHARGE.--22 years, 132 ft^3/s, 17.75 in/yr.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 9,580 ft^3/s Nov. 5, 1977, gage height, 14.88 ft; minimum daily discharge, .34 ft^3/s Sept. 30, 1986.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)
Dec. 1	2100	*660	*7.40

Minimum daily discharge, .34 ft^3/s Sept. 30.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	19	161	615	91	57	63	72	24	31	2.7	3.9	8.3
2	179	228	552	100	54	59	60	24	25	3.0	4.5	8.7
3	239	157	318	79	53	60	57	23	22	3.8	3.4	8.9
4	127	109	183	69	53	58	61	20	20	3.7	1.6	12
5	89	80	140	65	68	58	54	19	18	3.4	1.4	11
6	74	63	110	59	105	57	48	19	18	2.9	1.5	9.9
7	65	54	90	50	126	57	48	18	18	2.8	1.6	11
8	58	49	80	46	94	58	52	16	20	3.2	1.7	8.0
9	35	45	70	44	78	56	57	18	18	3.2	2.1	6.5
10	22	43	66	52	83	57	50	17	23	2.7	2.1	5.0
11	20	41	64	57	199	58	46	16	17	2.3	3.3	5.5
12	20	41	100	55	175	59	45	17	15	2.2	9.3	6.0
13	19	41	200	53	123	113	45	22	14	1.8	6.6	5.0
14	19	41	350	51	103	317	44	22	13	2.1	5.6	4.5
15	19	41	200	50	141	348	42	21	12	5.2	5.4	4.0
16	19	40	120	49	132	204	40	20	10	5.1	5.0	3.5
17	21	40	100	50	109	156	37	23	8.9	4.5	4.5	3.0
18	24	39	88	53	100	137	36	27	7.3	3.6	4.6	2.8
19	27	39	80	94	111	127	36	50	6.1	3.2	4.7	2.7
20	36	40	74	116	95	280	36	63	5.4	2.8	4.6	2.6
21	23	42	71	88	82	390	54	62	5.0	3.5	4.0	2.5
22	22	88	67	74	83	315	46	31	4.2	2.4	3.5	4.0
23	35	112	67	67	83	196	39	24	3.4	2.2	3.0	8.0
24	57	77	67	61	77	172	36	23	3.3	2.7	2.5	3.7
25	60	61	64	63	75	122	33	24	3.1	2.8	2.3	3.1
26	37	57	59	67	70	92	32	24	3.0	2.9	2.1	2.4
27	41	51	56	73	69	85	31	22	3.6	3.1	2.4	2.2
28	173	49	61	65	66	78	29	24	3.6	6.5	6.2	2.0
29	169	77	65	58	---	71	25	29	2.5	12	6.6	1.0
30	94	369	61	63	---	78	21	46	2.3	6.9	5.8	.34
31	78	---	60	62	---	105	---	41	---	3.1	6.0	---
TOTAL	1920	2375	4298	2024	2664	4086	1312	829	355.7	112.3	121.8	158.14
MEAN	61.9	79.2	139	65.3	95.1	132	43.7	26.7	11.9	3.62	3.93	5.27
MAX	239	369	615	116	199	390	72	63	31	12	9.3	12
MIN	19	39	56	44	53	56	21	16	2.3	1.8	1.4	.34
CFSM	.61	.78	1.38	.65	.94	1.31	.43	.26	.12	.04	.04	.05
IN.	.71	.87	1.58	.75	.98	1.50	.48	.31	.13	.04	.04	.06

CAL YR 1985 TOTAL 36875.00 MEAN 101 MAX 1500 MIN 10 CFSM 1.00 IN 13.58
WTR YR 1986 TOTAL 20255.94 MEAN 55.5 MAX 615 MIN .34 CFSM .55 IN 7.46

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 mi^2, approximately.
PERIOD OF RECORD.--May 1966 to current year.
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.--No estimated daily discharges. Records fair.
AVERAGE DISCHARGE.--20 years, 1,611 ft^3/s, 17.93 in/yr.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 34,400 ft^3/s Mar. 3, 1971, gage height, 18.4 ft, from floodmarks; minimum daily, 55 ft^3/s July 22, 1986.
EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Nov. 28, 1948 reached a stage of 19.3 ft, from floodmarks.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 7,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)
Dec. 1	2400	*6,940	*11.46

Minimum daily discharge, 55 ft^3/s July 22.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	294	1560	5900	970	761	886	1030	420	608	233	132	482
2	623	1620	6110	1030	740	850	985	395	514	216	116	383
3	1050	1560	4940	1030	716	825	936	373	422	220	91	334
4	1270	1640	3800	979	703	825	913	343	370	191	76	634
5	1380	1280	2200	893	945	803	889	321	348	169	63	906
6	1220	964	1470	799	1460	777	876	325	339	161	95	622
7	643	809	1200	772	1640	760	852	324	331	159	105	507
8	455	696	1060	736	1500	749	828	326	352	140	80	749
9	390	622	970	703	1280	730	799	307	352	124	69	574
10	349	581	916	713	1190	729	775	289	546	115	61	416
11	307	568	877	746	1750	739	746	287	717	106	104	374
12	286	551	977	751	2090	748	731	306	574	97	131	350
13	274	542	1600	734	1920	1820	734	455	476	91	168	301
14	292	541	1890	729	1610	3580	726	421	417	83	208	256
15	312	539	1820	705	1410	3500	714	387	381	85	220	228
16	313	537	1640	682	1400	2970	689	416	323	90	222	213
17	312	533	1300	680	1370	2460	654	362	303	70	235	319
18	316	531	1070	685	1750	1710	631	323	279	88	165	350
19	323	531	974	786	1860	2490	610	504	258	99	127	297
20	320	534	908	914	1590	4270	595	591	243	70	113	305
21	323	570	858	987	1400	4560	642	565	244	59	107	313
22	329	790	823	978	1250	3510	690	553	234	55	101	290
23	314	994	801	863	1140	2950	705	530	226	64	92	268
24	311	1050	793	790	1060	2140	642	422	221	77	82	221
25	339	1000	774	761	997	1620	591	350	260	164	71	195
26	392	891	741	853	949	1410	555	319	236	208	64	179
27	403	772	711	920	934	1270	524	315	189	224	76	165
28	679	712	702	879	919	1190	498	427	298	183	180	153
29	1110	854	752	816	---	1110	476	681	340	177	172	143
30	1110	2890	763	783	---	1060	455	705	265	159	116	138
31	1070	---	793	782	---	1030	---	640	---	131	178	---
TOTAL	17109	27262	50133	25449	36334	54071	21491	12982	10666	4108	3820	10665
MEAN	552	909	1617	821	1298	1744	716	419	356	133	123	356
MAX	1380	2890	6110	1030	2090	4560	1030	705	717	233	235	906
MIN	274	531	702	680	703	729	455	287	189	55	61	138
CFSM	.45	.75	1.33	.67	1.06	1.43	.59	.34	.29	.11	.10	.29
IN.	.52	.83	1.53	.78	1.11	1.65	.66	.40	.33	.13	.12	.33

CAL YR 1985 TOTAL 407952 MEAN 1118 MAX 12600 MIN 146 CFSM .92 IN 12.44
WTR YR 1986 TOTAL 274090 MEAN 751 MAX 6110 MIN 55 CFSM .62 IN 8.36

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 mi^2, approximately.
PERIOD OF RECORD.--July 1911 to May 1923, July 1928 to December 1931, March 1937 to current year.
REVISED RECORDS.--WSP 697: 1911-23. WSP 1002: 1943. WSP 1504: 1913, 1916-17, 1918(M), 1919-22, 1923(M), drainage area.
GAGE.--Water-stage recorder. Datum of gage is 334.54 ft above 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.--No estimated daily discharges. Records good. Records of chemical analyses for the water years 1968-79 are published in reports of the U.S. Geological Survey.
AVERAGE DISCHARGE.--63 years (water years 1912-22, 1929-31, 1938-86), 2,368 ft^3/s, 17.38 in/yr.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 92,000 ft^3/s Mar. 15, 1929, gage height, 38.4 ft, from graph based on gage readings; minimum, 81 ft^3/s, Aug. 7, 1986.
EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known since at least 1912, that of Mar. 15, 1929.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 11,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Mar. 13	2200	16,200	16.83	Mar. 19	2000	*16,500	*17.02

Minimum discharge, 81 ft^3/s Aug. 7, gage height, 0.83 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	360	1750	7160	1640	1010	1250	1610	645	793	303	148	451
2	861	2280	8100	1660	969	1180	1560	609	699	272	140	606
3	1080	1970	6320	1510	938	1130	1460	579	590	251	126	509
4	1300	2050	5060	1410	915	1130	1400	549	520	236	104	767
5	1450	1830	3370	1280	1300	1110	1330	517	477	214	92	2000
6	1430	1370	2230	1160	2710	1060	1280	519	454	192	87	1420
7	951	1090	1760	1080	3240	1030	1240	527	435	182	93	858
8	603	934	1520	1040	2560	1010	1200	521	433	179	119	1060
9	503	831	1370	990	2080	981	1150	507	466	165	120	870
10	455	769	1270	992	1890	969	1100	478	811	148	109	647
11	411	729	1210	1090	3590	978	1060	454	984	139	118	524
12	374	707	1310	1080	3520	995	1040	469	780	133	213	488
13	353	682	3150	1040	3010	5830	1030	543	611	122	239	445
14	340	666	3520	1010	2500	13400	1020	681	511	110	271	394
15	386	663	2870	981	2220	7770	1000	583	459	107	281	348
16	414	653	2470	950	2080	5110	971	566	407	104	271	324
17	419	644	2060	924	1970	4380	927	553	370	117	320	1020
18	405	636	1670	911	2440	3220	902	492	352	102	280	1460
19	405	628	1480	1100	3310	8060	878	675	328	100	209	719
20	404	627	1350	1350	2670	14200	859	848	306	124	182	540
21	393	763	1270	1340	2230	9590	907	788	288	99	181	476
22	394	1400	1200	1310	1950	6200	975	697	282	87	159	431
23	389	1550	1160	1200	1760	4800	994	680	263	87	149	394
24	386	1450	1130	1080	1600	3830	927	603	255	87	137	351
25	385	1290	1110	1020	1470	2920	857	506	254	150	123	308
26	424	1170	1080	1050	1370	2500	811	461	308	187	114	278
27	464	998	1040	1250	1330	2240	759	449	274	269	110	258
28	640	906	1020	1230	1320	2060	726	535	262	258	142	240
29	1250	922	1060	1120	---	1890	695	1180	429	210	309	224
30	1400	2590	1090	1070	---	1760	674	1260	371	197	250	210
31	1290	---	1110	1040	---	1660	---	947	---	173	204	---
TOTAL	20319	34548	71520	35908	57952	114243	31342	19421	13772	5104	5400	18620
MEAN	655	1152	2307	1158	2070	3685	1045	626	459	165	174	621
MAX	1450	2590	8100	1660	3590	14200	1610	1260	984	303	320	2000
MIN	340	627	1020	911	915	969	674	449	254	87	87	210
CFSM	.35	.62	1.25	.63	1.12	1.99	.57	.34	.25	.09	.09	.34
IN.	.41	.69	1.44	.72	1.17	2.30	.63	.39	.28	.10	.11	.37

CAL YR 1985 TOTAL 559597 MEAN 1533 MAX 23300 MIN 198 CFSM .83 IN 11.25
WTR YR 1986 TOTAL 428149 MEAN 1173 MAX 14200 MIN 87 CFSM .63 IN 8.61

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 mi^2, 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-stage recorder at site 500 ft downstream at same datum.

REMARKS.--Estimated daily discharges: July 14-18. Records good except those of no gage-height record, July 14-18, which are fair. 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.

AVERAGE DISCHARGE.--64 years (water years 1905-12, 1931-86), 3,549 ft^3/s, 16.62 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 68,900 ft^3/s Nov. 30, 1948, gage height, 25.2 ft; minimum, 440 ft^3/s, Aug. 8, 9, 1986.

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 ft^3/s, from rating curve extended above 10,000 ft^3/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 ft^3/s, from rating curve extended above 65,000 ft^3/s.

EXTREMES FOR CURRENT YEAR.--Peak discharge greater than base discharge of 13,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)
Mar. 23	1700	*14,200	*14.13

Minimum discharge, 440 ft^3/s Aug. 8, 9.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	876	2270	3400	2110	1820	2240	2540	1180	1840	708	571	799
2	991	2560	5720	2730	1790	2160	2440	1150	1480	703	551	779
3	1430	3010	6910	2920	1770	2070	2360	1110	1290	684	533	1080
4	1860	2810	7690	2690	1740	2000	2260	1070	1160	664	513	1150
5	1960	2680	7940	2460	1830	1970	2170	1040	1050	641	497	1270
6	2010	2560	6950	2290	2470	1940	2100	1020	987	622	477	2320
7	1980	2190	4230	2120	3790	1890	2040	991	947	604	461	2590
8	1760	1900	3040	1990	4610	1840	2000	985	1000	585	448	1960
9	1410	1710	2620	1910	4150	1800	1930	977	1130	569	454	1610
10	1220	1570	2390	1980	3480	1770	1860	955	1070	561	489	1570
11	1130	1480	2240	2350	3530	1760	1790	932	1190	553	516	1350
12	1070	1420	2230	2460	4750	1770	1740	924	1500	543	600	1200
13	1030	1380	3080	2350	5220	1790	1710	971	1450	537	1080	1180
14	983	1360	5090	2140	4580	3050	1690	1020	1220	530	1300	1110
15	988	1330	6000	1990	3910	6190	1670	1090	1070	523	1070	1020
16	975	1310	5410	1910	3510	7910	1640	1090	960	510	903	932
17	989	1300	4290	1850	3260	10000	1600	1020	903	500	808	856
18	1010	1290	3470	1800	3150	10200	1550	999	847	490	752	1230
19	1000	1280	2940	1830	3440	7380	1510	1050	814	486	748	2400
20	996	1270	2620	2010	4300	5760	1480	1130	782	485	723	1880
21	994	1390	2430	2290	4070	7520	1470	1320	767	476	698	1440
22	985	2660	2290	2290	3490	10100	1470	1310	752	483	721	1180
23	971	3610	2180	2210	3140	13700	1510	1210	741	492	677	1040
24	971	3390	2120	2120	2900	12900	1520	1140	707	495	628	945
25	968	2900	2060	1980	2690	9450	1490	1090	677	553	591	882
26	955	2410	1980	1880	2500	5630	1410	1010	649	641	568	826
27	964	2120	1960	1850	2360	3930	1350	946	636	631	559	776
28	1160	1920	1910	1960	2280	3390	1310	984	661	708	612	730
29	1490	1810	1950	2000	---	3080	1260	1020	642	708	635	701
30	1920	1840	2030	1920	---	2850	1220	1500	636	657	615	673
31	2270	---	2000	1860	---	2680	---	2040	---	601	715	---
TOTAL	39316	60730	111170	66250	90530	150720	52090	34274	29558	17943	20513	37479
MEAN	1268	2024	3586	2137	3233	4862	1736	1106	985	579	662	1249
MAX	2270	3610	7940	2920	5220	13700	2540	2040	1840	708	1300	2590
MIN	876	1270	1910	1800	1740	1760	1220	924	636	476	448	673
CFSM	.44	.70	1.24	.74	1.12	1.68	.60	.38	.34	.20	.23	.43
IN.	.50	.78	1.43	.85	1.16	1.93	.67	.44	.38	.23	.26	.48

CAL YR 1985 TOTAL 871043 MEAN 2386 MAX 21900 MIN 602 CFSM .82 IN 11.17
WTR YR 1986 TOTAL 710573 MEAN 1947 MAX 13700 MIN 448 CFSM .67 IN 9.11

02349500 FLINT RIVER AT MONTEZUMA, GA.--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.17	3.51	5.30	3.47	2.99	3.67	4.29	1.89	3.17	.77	.40	1.00
2	1.43	3.96	8.10	4.41	2.95	3.54	4.14	1.82	2.50	.76	.34	.95
3	2.29	4.62	9.30	4.68	2.90	3.40	4.03	1.74	2.12	.71	.29	1.65
4	3.07	4.34	10.04	4.36	2.86	3.29	3.86	1.66	1.85	.66	.23	1.82
5	3.23	4.16	10.27	4.02	3.00	3.23	3.72	1.60	1.62	.60	.18	2.07
6	3.31	3.98	9.33	3.75	4.02	3.19	3.61	1.53	1.46	.54	.12	3.93
7	3.25	3.41	6.38	3.49	5.85	3.11	3.51	1.47	1.37	.49	.07	4.36
8	2.84	2.94	4.85	3.28	6.87	3.02	3.43	1.46	1.50	.44	.03	3.38
9	2.17	2.62	4.25	3.15	6.31	2.95	3.32	1.44	1.78	.39	.05	2.74
10	1.75	2.38	3.90	3.25	5.45	2.91	3.21	1.39	1.66	.37	.16	2.68
11	1.52	2.21	3.67	3.85	5.52	2.89	3.08	1.33	1.90	.35	.24	2.25
12	1.37	2.10	3.66	4.02	7.03	2.90	2.99	1.31	2.54	.32	.47	1.94
13	1.23	2.03	4.89	3.84	7.58	2.95	2.93	1.42	2.44	.30	1.67	1.90
14	1.13	1.98	7.42	3.52	6.83	4.76	2.90	1.54	1.99	---	2.15	1.75
15	1.14	1.93	8.41	3.28	6.01	8.58	2.88	1.70	1.64	---	1.64	1.54
16	1.11	1.90	7.78	3.14	5.50	10.24	2.81	1.70	1.40	---	1.26	1.33
17	1.14	1.88	6.48	3.04	5.15	11.96	2.74	1.54	1.26	---	1.02	1.14
18	1.18	1.85	5.44	2.96	5.01	12.09	2.65	1.49	1.12	---	.88	1.93
19	1.17	1.83	4.72	3.01	5.40	9.73	2.56	1.61	1.04	.15	.87	4.08
20	1.16	1.82	4.26	3.30	6.49	8.16	2.52	1.79	.96	.14	.81	3.23
21	1.15	2.12	3.96	3.76	6.20	9.87	2.48	2.18	.92	.12	.75	2.42
22	1.13	4.28	3.75	3.75	5.46	11.91	2.48	2.18	.88	.14	.80	1.89
23	1.10	5.62	3.58	3.63	4.99	13.88	2.56	1.96	.85	.17	.69	1.57
24	1.11	5.33	3.48	3.48	4.66	13.53	2.58	1.80	.77	.18	.56	1.36
25	1.11	4.66	3.40	3.25	4.35	11.49	2.52	1.70	.69	.35	.46	1.21
26	1.09	3.93	3.26	3.10	4.07	8.00	2.38	1.52	.62	.60	.39	1.07
27	1.12	3.49	3.23	3.05	3.86	6.14	2.26	1.36	.58	.57	.37	.94
28	1.54	3.17	3.14	3.22	3.73	5.47	2.17	1.45	.65	.77	.52	.83
29	2.17	2.97	3.22	3.28	---	5.06	2.07	1.54	.60	.77	.58	.75
30	2.93	3.02	3.35	3.16	---	4.74	1.97	2.53	.58	.64	.53	.68
31	3.50	---	3.29	3.06	---	4.49	---	3.51	---	.48	.79	---
MEAN	1.76	3.13	5.36	3.50	5.04	6.49	2.96	1.71	1.42	---	.62	1.95
MAX	3.50	5.62	10.27	4.68	7.58	13.88	4.29	3.51	3.17	---	2.15	4.36
MIN	1.09	1.82	3.14	2.96	2.86	2.89	1.97	1.31	.58	---	.03	.68

CAL YR 1985 MEAN 3.47 MAX 17.12 MIN .52

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 determination of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen is by the U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM)	PH (STAND-ARD UNITS)	PH LAB (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	TEMPER-ATURE, AIR (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)
NOV										
19...	1145	1280	58	58	7.40	7.00	20.0	26.0	6.2	69
DEC										
09...	1330	2600	50	46	7.00	6.90	9.5	20.0	10.5	93
JAN										
21...	1120	2310	52	48	7.20	7.00	10.0	18.5	10.6	95
FEB										
24...	1220	2900	49	46	7.10	6.70	14.0	21.0	10.0	99
MAR										
18...	1255	10300	43	40	6.80	6.40	16.5	27.0	7.1	74
APR										
14...	1215	1690	53	51	6.80	6.80	18.0	23.5	9.0	97
MAY										
20...	1050	1120	54	55	6.80	6.90	23.5	26.5	8.0	96
JUN										
17...	1200	903	54	52	6.80	6.80	28.0	34.5	7.4	96
JUL										
22...	1000	484	43	43	6.60	6.90	28.0	32.0	6.9	90
AUG										
18...	1030	755	53	51	6.90	7.00	28.0	31.0	7.0	92
SEP										
16...	1125	936	56	53	6.90	7.10	24.5	30.5	7.4	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 LAB (MG/L AS CACO3)	SOLIDS, RESIDUE 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)
NOV									
19...	35	10	--	0.9	50	18	13	0.120	0.050
DEC									
09...	100	32	--	0.2	130	13	38	0.210	0.060
JAN									
21...	40	15	--	0.7	80	20	14	0.200	0.140
FEB									
24...	40	27	--	1.0	50	14	30	0.200	0.100
MAR									
18...	120	52	--	0.8	110	11	32	0.220	0.090
APR									
14...	35	5.0	--	0.5	<20	15	10	0.100	0.080
MAY									
20...	25	15	--	0.2	<20	17	10	0.220	0.120
JUN									
17...	35	14	--	0.6	35	16	7	0.180	0.110
JUL									
22...	30	6.0	7	0.5	35	12	9	0.080	<0.020
AUG									
18...	20	7.0	9	1.4	80	14	12	0.110	<0.020
SEP									
16...	40	9.0	9	1.0	--	13	10	0.200	0.050

02349500 FLINT RIVER AT MONTEZUMA, GA.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN,AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
NOV					
19...	--	--	--	0.180	5.7
DEC					
09...	--	--	--	0.060	4.4
JAN					
21...	--	--	--	0.060	3.8
FEB					
24...	--	--	--	0.040	4.6
MAR					
18...	--	--	--	0.060	7.3
APR					
14...	--	--	--	0.060	3.1
MAY					
20...	--	--	--	0.040	4.1
JUN					
17...	--	--	--	0.040	5.2
JUL					
22...	--	0.60	0.68	0.030	7.8
AUG					
18...	--	0.20	0.31	0.060	4.3
SEP					
16...	0.45	0.50	0.70	0.070	6.3

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 on State Highway 90, 0.5 mi southwest of Byromville, and 11 mi upstream from mouth.
DRAINAGE AREA.--45 mi^2, approximately.
PERIOD OF RECORD.--Water years 1951-58 (annual maximum), June 1958 to current year.
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.--No estimated daily discharges. Records fair.
AVERAGE DISCHARGE.--28 years, 46.9 ft^3/s, 14.15 in/yr.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,820 ft^3/s Apr. 1, 1981, gage height, 13.82 ft; minimum discharge, 0.1 ft^3/s July 28, 1968.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 400 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)
Dec. 13	2300	*222	*8.70

Minimum discharge, 1.9 ft^3/s July 11-15.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.2	5.7	36	65	21	32	24	6.3	5.3	2.9	2.6	7.3
2	3.3	5.0	41	66	20	30	23	6.0	5.2	2.9	2.6	4.8
3	4.5	4.8	34	44	20	29	22	6.0	5.0	3.6	2.7	4.2
4	3.8	5.0	28	36	21	29	20	6.1	4.8	3.3	2.7	4.0
5	3.5	5.1	25	33	37	28	19	6.0	5.0	3.1	2.8	4.6
6	3.3	4.9	21	29	102	27	19	5.9	4.8	2.9	2.6	4.8
7	3.2	4.8	19	27	159	26	18	5.9	4.9	2.7	2.6	8.1
8	3.1	5.0	16	27	93	24	17	5.6	4.9	2.6	2.6	4.5
9	3.2	4.8	15	24	62	24	16	5.9	4.8	2.3	2.6	3.9
10	3.3	4.8	14	35	80	24	14	5.9	5.3	2.2	2.6	3.7
11	3.3	4.9	13	84	121	24	14	5.9	5.1	2.1	3.4	3.7
12	3.3	5.3	22	71	90	24	14	6.1	4.6	2.1	3.0	6.9
13	3.3	5.4	147	49	64	28	13	6.0	4.3	2.1	2.8	9.9
14	3.7	5.4	185	40	55	64	11	6.0	4.0	2.1	2.8	5.4
15	4.0	5.4	86	35	57	60	10	5.8	4.0	2.1	2.8	4.5
16	4.0	5.6	52	32	55	37	10	5.6	3.7	2.2	2.8	4.1
17	4.1	5.8	42	31	49	29	10	5.7	3.6	2.2	2.8	4.1
18	4.3	6.0	37	31	57	25	11	5.8	3.5	2.2	2.8	4.1
19	4.3	6.2	33	36	65	46	8.9	6.4	3.6	2.1	2.7	3.9
20	4.4	6.5	29	38	56	175	9.2	5.6	3.9	2.3	12	3.7
21	4.4	9.6	26	32	49	117	10	5.5	3.6	2.6	13	3.6
22	4.4	104	25	29	46	72	9.9	5.6	3.3	2.7	4.2	3.6
23	4.4	57	25	28	46	52	9.4	5.4	3.1	2.6	3.3	3.5
24	4.4	25	25	26	43	44	9.1	5.4	3.1	2.9	3.1	3.5
25	4.3	18	24	24	39	40	11	5.2	2.9	3.1	3.1	3.6
26	4.5	15	21	24	37	36	7.8	4.9	2.9	3.3	3.1	3.7
27	4.9	13	20	25	39	34	7.3	5.5	3.9	4.0	3.8	3.6
28	11	12	22	22	37	32	6.2	7.1	3.1	3.5	4.7	3.4
29	8.1	31	32	22	---	29	5.5	6.2	2.9	3.0	4.3	3.5
30	5.9	45	29	22	---	26	6.4	5.9	2.8	2.7	4.0	3.7
31	5.6	---	28	21	---	26	---	5.6	---	2.5	5.1	---
TOTAL	135.0	436.0	1172	1108	1620	1293	385.7	180.8	121.9	82.9	116.0	135.9
MEAN	4.35	14.5	37.8	35.7	57.9	41.7	12.9	5.83	4.06	2.67	3.74	4.53
MAX	11	104	185	84	159	175	24	7.1	5.3	4.0	13	9.9
MIN	3.1	4.8	13	21	20	24	5.5	4.9	2.8	2.1	2.6	3.4
CFSM	.10	.32	.84	.79	1.29	.93	.29	.13	.09	.06	.08	.10
IN.	.11	.36	.97	.92	1.34	1.07	.32	.15	.10	.07	.10	.11

CAL YR 1985 TOTAL 7985.8 MEAN 21.9 MAX 1040 MIN 3.1 CFSM .49 IN 6.60
WTR YR 1986 TOTAL 6787.2 MEAN 18.6 MAX 185 MIN 2.1 CFSM .41 IN 5.61

02350001 FLINT RIVER NEAR VIENNA, GA.

LOCATION.--Lat 32°03'38", long 83°58'36", Dooly County, Hydrologic Unit 03100206, 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 mi^2.
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 determination of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen is 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 1985 TO SEPTEMBER 1986

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM)	SPECIFIC CONDUCTANCE LAB (US/CM)	PH (STANDARD UNITS)	PH LAB (STANDARD UNITS)	TEMPERATURE (DEG C)	TEMPERATURE, AIR (DEG C)	OXYGEN, DISSOLVED (MG/L)	OXYGEN, DISSOLVED (PERCENT SATURATION)
NOV									
19...	1010	117	116	7.30	7.10	20.0	26.5	7.7	85
DEC									
09...	1155	84	78	7.20	6.80	9.5	19.0	10.5	93
JAN									
21...	1020	89	80	7.10	7.10	10.0	13.0	10.1	90
FEB									
24...	1030	72	64	7.20	6.80	15.0	16.5	9.4	95
MAR									
18...	1150	50	47	6.80	6.50	16.5	26.0	6.9	72
APR									
14...	1050	94	94	6.80	6.80	18.5	22.0	7.9	86
MAY									
20...	0930	92	93	6.90	7.00	24.0	24.0	6.8	82
JUN									
17...	1050	121	118	6.80	7.00	29.0	31.0	7.0	92
JUL									
22...	0900	88	88	6.60	7.00	30.0	29.0	5.4	73
AUG									
18...	0935	129	129	6.90	7.00	28.0	30.5	6.0	78
SEP									
16...	1000	140	136	6.90	7.20	25.5	30.0	6.4	80

DATE	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (NTU)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	COLIFORM, FECAL, EC BROTH (MPN)	ALKALINITY LAB (MG/L AS CACO3)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
NOV									
19...	65	11	0.3	50	19	0.210	0.110	0.080	7.2
DEC									
09...	100	31	0.8	490	15	0.290	0.080	0.050	6.9
JAN									
21...	50	12	0.6	4600	18	0.350	0.120	0.040	5.8
FEB									
24...	50	23	1.2	140	17	0.270	0.070	0.040	5.1
MAR									
18...	180	76	1.0	220	11	0.270	0.090	0.060	9.5
APR									
14...	55	16	0.7	60	19	0.190	0.120	0.040	3.4
MAY									
20...	35	32	0.6	70	21	0.320	0.090	0.020	5.2
JUN									
17...	90	16	1.3	20	21	0.270	0.120	0.040	7.7
JUL									
22...	40	11	0.7	<20	18	0.140	0.090	0.050	21
AUG									
18...	55	17	1.2	220	16	0.180	0.070	0.050	8.5
SEP									
16...	70	12	1.0	--	19	0.250	0.080	0.050	9.9

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 mi southwest of Preston, and 1 mi upstream from Harrel Mill Creek.
DRAINAGE AREA.--197 mi^2.
PERIOD OF RECORD.--December 1969 to September 1970, November 1971 to current year.
REMARKS.--Laboratory chemical 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 is by the U.S. Geological Survey. Water-discharge records for the water years 1951-77 are published in reports of the U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM)	PH (STAND-ARD UNITS)	PH LAB (STAND-ARD UNITS)	TEMPER-ATURE WATER (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)
MAR									
10...	1330	155	33	39	6.70	7.40	14.0	9.3	94
JUL									
28...	1215	50	29	31	6.70	6.80	25.0	6.7	83

DATE	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (NTU)	HARD-NESS (MG/L AS CACO3)	HARD-NESS NONCARB WH WAT TOT LAB 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)	PERCENT SODIUM	SODIUM AD-SORP-TION RATIO	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY LAB (MG/L AS CACO3)	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO2)
MAR												
10...	70	12	12	2	3.9	0.60	1.7	22	0.2	0.70	10	3.9
JUL												
28...	100	21	9	2	2.5	0.60	1.4	24	0.2	0.90	7.0	2.7

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)	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)
MAR												
10...	2.1	3.2	<0.10	4.8	21	24	8.8	0.03	0.100	0.260	0.020	0.040
JUL												
28...	7.0	2.8	<0.10	7.1	32	27	4.3	0.04	0.200	0.160	0.020	0.060

DATE	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)	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)
MAR											
10...	0.38	0.36	0.40	0.40	0.50	0.020	0.010	4.7	20	<1	<1
JUL											
28...	0.28	0.14	0.30	0.20	0.50	0.030	0.030	3.0	40	<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)
MAR											
10...	<1	<10	3	430	<1	5	93	2.7	0.5	<1	15
JUL											
28...	<1	<10	1	730	<5	<5	140	0.10	0.5	<1	7

02350900 KINCHAFOONEE CREEK NEAR DAWSON, GA.

LOCATION.--Lat 31°45'52", long 84°15'12", Lee County, Hydrologic Unit 03130007, at bridge on Prison Farm Road, 3.6 mi west of U.S. Highway 19, and 5.2 mi northwest of Leesburg.
DRAINAGE AREA.--527 mi^2, 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.--Estimated daily discharges: Mar. 1-7, 1985, Jan. 8-13, 15, 16, June 27, 29, and July 1, 2, 1986. Records good except for periods of estimated record, March 1-7, 1985, and Jan. 8-13, 15, 16, 1986, which are fair.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 7,800 ft^3/s Apr. 6, 1960, gage height, 19.45 ft, minimum daily discharge, 39 ft^3/s, July 15, 1986.
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.
EXTREMES FOR CURRENT PERIOD.--March to September 1985: Maximum discharge during period, 1,830 ft^3/s, May 13, gage height, 10.21 ft; minimum daily discharge, 109 ft^3/s, June 10.

Water year 1986: Maximum discharge, 1,870 ft^3/s, Dec. 14, gage height, 10.32 ft; minimum daily discharge, 39 ft^3/s, July 15.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1						---	346	177	196	303	469	667
2						---	339	180	186	273	450	662
3						---	333	335	169	239	402	579
4						---	320	366	156	200	297	318
5						---	313	332	145	181	229	251
6						---	414	286	136	204	192	218
7						501	544	235	128	271	174	198
8						479	556	223	119	313	168	185
9						458	516	544	112	298	178	180
10						446	414	804	109	252	213	198
11						433	343	942	113	207	292	187
12						425	316	1230	119	205	278	170
13						420	305	1730	135	307	248	159
14						412	300	1410	162	339	198	151
15						408	327	676	158	248	170	144
16						408	407	383	155	247	162	139
17						461	426	303	171	227	159	135
18						531	409	258	180	298	152	129
19						530	376	229	248	294	151	124
20						500	323	211	511	235	149	121
21						467	285	203	461	192	141	119
22						504	261	206	317	164	135	118
23						512	244	410	244	149	129	118
24						489	234	365	196	152	132	127
25						458	232	282	171	267	124	159
26						424	234	257	153	359	127	174
27						396	223	223	146	710	160	175
28						376	210	195	234	740	217	161
29						363	199	177	526	459	302	145
30						357	188	176	378	394	587	137
31						354	---	185	---	380	715	---
TOTAL						---	9937	13533	6234	9107	7500	6348
MEAN						---	331	437	208	294	242	212
MAX						---	556	1730	526	740	715	667
MIN						---	188	176	109	149	124	118
CFSM						---	.63	.83	.40	.56	.46	.40
IN.						---	.70	.96	.44	.64	.53	.45

02350900 KINCHAFOONEE CREEK NEAR DAWSON, GA.--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	133	386	616	749	358	415	364	158	286	74	74	198
2	132	393	819	919	354	397	348	151	222	70	66	204
3	152	354	823	909	349	384	335	145	170	65	61	310
4	197	311	861	863	352	376	322	143	157	65	55	380
5	278	273	995	848	401	370	311	139	174	67	51	401
6	296	240	828	664	778	362	297	137	141	63	46	392
7	261	221	493	532	1100	355	286	135	133	60	46	306
8	204	210	415	500	1020	346	277	132	130	59	83	241
9	175	206	383	530	931	338	267	129	118	57	79	197
10	161	204	364	620	923	334	257	123	116	53	58	178
11	154	200	355	700	939	336	252	118	124	47	55	162
12	149	196	375	740	835	341	245	121	166	43	61	150
13	144	193	1040	782	683	349	247	172	192	41	101	159
14	141	195	1710	741	637	637	260	147	176	40	152	204
15	139	197	1670	625	616	1050	266	139	138	39	153	212
16	168	198	1360	492	551	1150	281	133	116	42	140	180
17	160	194	1260	469	528	1130	284	125	103	40	124	156
18	149	193	1090	452	545	1040	265	118	92	40	118	142
19	147	191	677	456	633	782	250	113	94	50	110	164
20	148	195	550	469	682	662	237	122	99	52	101	189
21	149	218	500	482	715	907	238	140	115	43	126	158
22	147	646	467	480	761	926	240	155	128	47	238	140
23	151	1180	446	454	690	927	238	144	110	53	227	133
24	151	1370	436	423	581	938	225	128	94	47	178	126
25	151	1200	424	402	544	716	211	113	80	47	138	123
26	150	861	406	394	501	533	201	105	71	61	115	115
27	149	511	389	387	459	483	192	96	68	76	94	109
28	157	400	388	373	433	461	186	96	74	155	93	103
29	281	386	488	366	---	429	176	121	71	134	159	98
30	368	484	576	363	---	404	166	205	82	112	305	94
31	364	---	556	359	---	383	---	294	---	91	256	---
TOTAL	5706	12006	21760	17543	17899	18261	7724	4297	3840	1933	3663	5724
MEAN	184	400	702	566	639	589	257	139	128	62.4	118	191
MAX	368	1370	1710	919	1100	1150	364	294	286	155	305	401
MIN	132	191	355	359	349	334	166	96	68	39	46	94
CFSM	.35	.76	1.33	1.07	1.21	1.12	.49	.26	.24	.12	.22	.36
IN.	.40	.85	1.54	1.24	1.26	1.29	.55	.30	.27	.14	.26	.40

WTR YR 1986 TOTAL 120356 MEAN 330 MAX 1710 MIN 39 CFSM .63 IN 8.50

02351890 MUCKALEE CREEK AT STATE HIGHWAY 195, NEAR LEESBURG, GA.

LOCATION.--Lat 31°46'34", long 84°08'22", Lee County, Hydrologic Unit 03130007, at bridge 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 mi^2.
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.--Estimated daily discharges: Sept. 17-19. Records good, except those of no gage-height record, Sept. 17-19, which are fair. Discharges during growing season affected by undetermined amount of irrigation withdrawal.
AVERAGE DISCHARGE.--6 years (water years 1981-86), 358 ft^3/s, 13.43 in/yr.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 6,290 ft^3/s Feb. 7, 1985, gage height, 13.91 ft; minimum discharge, 12 ft^3/s July 20, 1986.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,200 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Nov. 25	1400	1,400	10.50	Dec. 15	1400	*1,430	*10.54

Minimum discharge, 12 ft^3/s July 20, gage height, 1.97 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	103	238	337	489	253	303	241	100	130	36	54	127
2	102	246	436	535	248	286	231	92	142	43	52	146
3	116	249	502	624	246	274	222	88	120	45	60	156
4	165	250	477	661	244	267	214	81	104	42	58	162
5	205	220	441	656	262	263	206	79	101	40	55	174
6	197	183	415	599	395	259	197	80	90	39	54	175
7	204	162	341	515	610	254	195	76	83	38	61	157
8	175	155	280	449	773	250	192	79	86	34	84	142
9	143	149	258	389	792	247	189	74	110	31	68	128
10	127	147	243	379	686	247	183	71	108	27	51	112
11	120	144	232	463	666	247	175	69	97	23	46	100
12	116	142	245	524	660	249	168	68	99	19	44	94
13	112	141	514	585	692	252	168	80	120	19	61	104
14	110	142	835	584	625	302	168	101	111	18	68	129
15	108	143	1370	536	522	375	170	114	93	19	73	136
16	106	140	1190	463	466	481	175	104	77	17	72	126
17	107	143	940	394	431	626	170	92	66	19	66	111
18	111	143	759	373	439	637	166	86	60	16	61	103
19	114	143	548	379	487	540	158	82	55	14	51	93
20	114	145	409	366	517	393	151	93	53	12	47	92
21	116	171	367	360	547	384	159	117	62	16	61	94
22	114	393	348	361	547	540	157	124	62	21	71	89
23	115	536	332	345	508	617	152	108	62	23	97	83
24	114	737	320	328	441	527	144	89	54	26	94	75
25	113	1290	311	302	398	460	135	77	47	26	80	71
26	113	1090	304	288	381	348	128	72	43	37	69	67
27	112	705	297	277	359	305	122	63	43	62	62	62
28	119	448	294	265	325	285	117	62	39	82	61	56
29	132	313	316	260	---	271	110	71	36	92	76	53
30	160	314	343	257	---	261	101	94	34	85	101	53
31	204	---	395	254	---	250	---	116	---	67	119	---
TOTAL	4067	9422	14399	13260	13520	11000	5064	2702	2387	1088	2077	3270
MEAN	131	314	464	428	483	355	169	87.2	79.6	35.1	67.0	109
MAX	205	1290	1370	661	792	637	241	124	142	92	119	175
MIN	102	140	232	254	244	247	101	62	34	12	44	53
CFSM	.36	.87	1.28	1.18	1.33	.98	.47	.24	.22	.10	.19	.30
IN.	.42	.97	1.48	1.36	1.39	1.13	.52	.28	.25	.11	.21	.34

CAL YR 1985 TOTAL 115056 MEAN 315 MAX 5150 MIN 65 CFSM .87 IN 11.82
WTR YR 1986 TOTAL 82256 MEAN 225 MAX 1370 MIN 12 CFSM .62 IN 8.45

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, and at mile 103.4.
DRAINAGE AREA.--5,310 mi^2, 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.--No estimated daily discharges. 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.
AVERAGE DISCHARGE.--76 years (water years 1902-20, 1930-86), 6,245 ft^3/s, 15.97 in/yr.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 77,000 ft^3/s Mar. 7, 1966, gage height, 34.72 ft; minimum daily, 327 ft^3/s regulated Aug. 24, 1930.
EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since at least 1893, 37.84 ft Jan. 21, 1925, from floodmark, present site and datum, discharge, 92,000 ft^3/s, from rating curve extended above 75,000 ft^3/s.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 20,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)
Mar. 24	1530	*17,300	*13.06

Minimum daily discharge, 683 ft^3/s Aug. 29.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1180	3750	3820	4800	3140	4670	4640	2530	2880	959	1010	1120
2	2500	3550	9500	5340	2230	4430	3470	2690	2580	1010	990	1700
3	1580	3170	10000	7750	3750	3770	3870	2180	2670	1000	876	1750
4	2440	3870	9940	5900	3610	3680	4160	1260	1940	916	780	1850
5	2310	3920	10000	7050	2850	4860	3850	1370	2110	907	762	2430
6	3020	3760	9840	4630	6070	4430	3830	2520	1500	886	743	2430
7	2970	2730	9590	5060	12600	4080	2950	2630	1500	707	746	2430
8	2810	2810	7630	5500	9170	2750	3850	2090	1540	705	759	3780
9	2040	2680	4480	5510	11000	2980	3500	1750	2250	729	763	2120
10	2360	1600	4050	3920	10000	3720	3270	1370	2180	1020	780	2180
11	2210	3130	4180	4720	11700	3640	2510	938	1410	886	791	2400
12	2330	1890	4250	6360	10200	3500	2690	1070	2310	787	748	2490
13	1360	1750	9530	7560	8590	3580	3490	1480	2230	790	760	1500
14	1430	2370	12000	6410	11300	6600	2950	1470	1480	761	767	2480
15	2450	2310	14600	4670	9000	5540	2580	1530	1870	739	781	2550
16	2300	1620	13800	5220	7650	10200	3070	1530	1870	736	902	1460
17	1790	1900	11600	4070	6160	10100	3080	1520	1960	737	1050	2210
18	1550	3100	10100	4130	6970	13800	2460	1000	2110	737	1260	2130
19	1080	1850	8660	4390	8240	14500	2460	1110	2330	737	1150	1530
20	851	1970	6560	5100	8530	12600	2330	1290	1450	738	1160	1940
21	986	4980	5810	3940	7850	10900	2500	2030	1260	740	1160	2720
22	1370	9340	6110	4370	7530	9700	3230	1520	1280	740	1080	2770
23	1420	5450	4210	4950	6570	11400	3230	1710	1270	742	1090	2980
24	1220	8960	4950	4680	5990	14800	2160	1510	1420	731	1130	2810
25	1300	5210	4810	4100	8020	16100	1810	1840	1340	727	1160	3020
26	1250	6900	4820	3860	2140	14700	1890	1670	1140	731	1080	1280
27	1240	4890	4900	4390	4460	9820	2920	1330	1500	740	1000	1280
28	2120	4350	4230	6360	5010	7750	2200	2150	1470	735	846	2770
29	3130	5880	4530	4150	---	5030	2440	1480	1360	946	683	2130
30	2210	5960	4480	2140	---	4610	2120	1430	1090	1090	910	1240
31	2630	---	3420	2470	---	4550	---	2190	---	838	1250	---
TOTAL	59437	115650	226400	153500	200330	232790	89510	52188	53300	25247	28967	65480
MEAN	1917	3855	7303	4952	7155	7509	2984	1683	1777	814	934	2183
MAX	3130	9340	14600	7750	12600	16100	4640	2690	2880	1090	1260	3780
MIN	851	1600	3420	2140	2140	2750	1810	938	1090	705	683	1120
CFSM	.36	.73	1.38	.93	1.35	1.41	.56	.32	.34	.15	.18	.41
IN.	.42	.81	1.59	1.08	1.40	1.63	.63	.37	.37	.18	.20	.46

CAL YR 1985 TOTAL 1540608 MEAN 4221 MAX 28300 MIN 741 CFSM .80 IN 10.79
WTR YR 1986 TOTAL 1302799 MEAN 3569 MAX 16100 MIN 683 CFSM .67 IN 9.13

02352500 FLINT RIVER AT ALBANY, GA.--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.46	4.80	4.91	5.52	4.48	5.46	5.42	3.98	4.30	2.29	2.28	2.51
2	3.95	4.78	8.02	5.81	3.73	5.18	4.64	4.09	4.00	2.36	2.25	3.20
3	3.09	4.52	8.33	7.12	4.75	4.70	4.95	3.70	4.11	2.34	2.06	3.28
4	3.91	4.99	8.26	6.12	4.74	4.70	5.15	2.65	3.47	2.22	1.89	3.38
5	3.80	5.02	8.30	6.76	4.23	5.55	4.98	2.81	3.57	2.20	1.86	3.94
6	4.42	4.92	8.20	5.41	6.21	5.16	4.97	3.99	3.00	2.17	1.82	3.94
7	4.37	4.13	8.06	5.66	9.99	4.95	4.32	4.07	3.00	1.85	1.83	3.95
8	4.25	4.23	7.04	5.90	7.76	4.18	4.97	3.61	3.05	1.85	1.85	4.91
9	3.53	4.13	5.21	5.92	8.91	4.39	4.74	3.29	3.72	1.90	1.86	3.53
10	3.85	3.12	5.07	4.98	8.34	4.82	4.59	2.81	3.70	2.35	1.89	3.71
11	3.69	4.47	5.17	5.49	9.25	4.70	3.97	2.25	2.87	2.15	1.91	3.92
12	3.78	3.37	5.22	6.38	8.46	4.71	4.13	2.44	3.76	1.99	1.83	3.99
13	2.83	3.26	8.11	7.02	7.58	4.78	4.74	2.98	3.69	1.99	1.85	2.93
14	2.87	3.83	9.47	6.40	9.03	6.52	4.33	2.97	2.98	1.93	1.87	3.97
15	3.89	3.78	11.14	5.44	7.75	5.92	4.04	3.03	3.41	1.88	1.92	4.04
16	3.76	3.14	10.57	5.75	7.06	8.39	4.43	3.03	3.40	1.87	2.14	2.90
17	3.32	3.41	9.23	5.09	6.26	8.39	4.45	3.02	3.49	1.86	2.39	3.73
18	3.06	4.46	8.39	5.14	6.66	10.58	3.93	2.34	3.62	1.86	2.70	3.67
19	2.43	3.33	7.60	5.28	7.42	11.04	3.91	2.49	3.81	1.86	2.56	3.02
20	2.11	3.49	6.47	5.69	7.55	9.81	3.83	2.74	2.92	1.86	2.57	3.49
21	2.32	5.56	6.08	5.00	7.18	8.85	3.91	3.50	2.71	1.87	2.57	4.19
22	2.83	7.95	6.24	5.26	7.01	8.12	4.53	3.00	2.74	1.87	2.46	4.22
23	2.88	5.83	5.16	5.60	6.49	9.13	4.56	3.20	2.73	1.87	2.48	4.36
24	2.65	7.78	5.60	5.46	6.11	11.24	3.67	3.01	2.90	1.85	2.54	4.22
25	2.76	5.42	5.53	5.09	7.23	12.12	3.33	3.38	2.80	1.84	2.57	4.31
26	2.70	6.66	5.52	4.94	3.54	11.20	3.41	3.20	2.54	1.85	2.46	2.74
27	2.68	5.57	5.55	5.29	5.31	8.25	4.33	2.79	2.99	1.87	2.35	2.72
28	3.58	5.27	5.21	6.38	5.61	7.13	3.67	3.64	2.96	1.86	2.09	4.20
29	4.49	6.11	5.38	5.10	---	5.66	3.91	2.95	2.83	2.20	1.81	3.66
30	3.69	6.16	5.35	3.66	---	5.43	3.63	2.91	2.47	2.41	2.20	2.63
31	4.05	---	4.61	3.87	---	5.40	---	3.72	---	2.01	2.69	---
MEAN	3.35	4.78	6.87	5.57	6.74	6.98	4.31	3.15	3.25	2.01	2.18	3.64
MAX	4.49	7.95	11.14	7.12	9.99	12.12	5.42	4.09	4.30	2.41	2.70	4.91
MIN	2.11	3.12	4.61	3.66	3.54	4.18	3.33	2.25	2.47	1.84	1.81	2.51

CAL YR 1985 MEAN 4.93 MAX 20.39 MIN 1.92
WTR YR 1986 MEAN 4.39 MAX 12.12 MIN 1.81

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 determination of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen is by the U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM)	PH (STAND-ARD UNITS)	PH LAB (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	TEMPER-ATURE, AIR (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)
DEC										
09...	1035	3420	90	--	7.30	--	12.5	18.0	10.6	100
MAR										
18...	1015	16100	94	90	7.30	7.20	18.0	24.0	9.4	100
JUN										
17...	0900	2240	105	103	6.90	7.10	29.0	30.5	8.1	107
SEP										
16...	0950	1020	111	106	7.00	7.40	26.0	27.0	6.6	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-LINITY 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)
DEC									
09...	--	--	--	--	--	--	--	--	--
MAR									
18...	55	10	0.6	130	23	0.340	0.080	0.030	4.8
JUN									
17...	15	5.0	1.0	50	26	0.140	0.120	<0.020	10
SEP									
16...	25	5.0	1.2	--	25	0.180	0.060	0.030	14

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 mi^2, 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 determination of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen is 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 1985 TO SEPTEMBER 1986

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM)	PH (STAND-ARD UNITS)	PH LAB (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	TEMPER-ATURE, AIR (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)
NOV										
20...	1510	2490	147	147	7.50	7.50	21.0	25.0	7.9	90
DEC										
10...	1440	4740	112	104	7.60	7.50	14.0	22.5	9.9	96
JAN										
22...	1450	4180	130	120	7.60	7.40	12.0	21.0	11.0	103
FEB										
26...	1540	1890	144	138	7.30	7.40	15.0	22.5	9.6	97
MAR										
19...	1520	14300	100	95	7.40	7.10	19.0	28.0	10.2	112
APR										
15...	1525	3240	112	112	6.90	7.50	20.0	28.5	8.2	92
MAY										
21...	1425	3000	142	139	6.90	7.50	24.5	25.5	7.2	88
JUN										
18...	1405	2740	130	126	7.00	7.30	28.5	29.0	6.9	91
JUL										
23...	1410	930	--	182	7.40	7.60	30.5	35.0	6.5	--
AUG										
19...	1410	1450	155	152	7.30	7.70	29.5	30.0	6.2	83
SEP										
17...	1350	2780	142	139	7.20	7.80	29.0	30.0	7.8	103

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 LAB (MG/L AS CACO3)	SOLIDS, RESIDUE 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)
NOV									
20...	40	10	--	0.4	170	38	2	0.620	0.120
DEC									
10...	110	22	--	0.6	270	36	<1	0.550	0.220
JAN									
22...	40	10	--	1.3	80	38	3	0.670	0.110
FEB									
26...	35	11	--	1.4	65	49	2	0.840	0.130
MAR									
19...	45	11	--	0.6	7900	23	9	0.330	0.090
APR									
15...	60	17	--	0.5	90	35	4	0.520	0.190
MAY									
21...	25	16	--	2.2	410	43	12	0.570	0.170
JUN									
18...	35	5.0	--	1.0	1700	34	<1	0.320	0.190
JUL									
23...	10	4.0	13	2.6	490	50	<1	0.730	0.100
AUG									
19...	10	2.0	12	1.9	7000	45	6	0.480	0.220
SEP									
17...	20	5.0	22	1.4	210	51	<1	0.380	0.130

02352790 FLINT RIVER NEAR PUTNEY, GA.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN,AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
NOV					
20...	--	--	--	0.040	4.5
DEC					
10...	--	--	--	0.080	6.5
JAN					
22...	--	--	--	0.060	3.5
FEB					
26...	--	--	--	0.090	4.6
MAR					
19...	--	--	--	0.040	6.2
APR					
15...	--	--	--	0.070	7.5
MAY					
21...	--	--	--	0.070	4.4
JUN					
18...	--	--	--	0.100	3.9
JUL					
23...	0.50	0.60	1.3	0.180	7.3
AUG					
19...	0.18	0.40	0.88	0.150	5.7
SEP					
17...	0.37	0.50	0.88	0.050	6.9

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 mi^2, 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.--No estimated daily discharges. 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.
AVERAGE DISCHARGE.--42 years (water years 1939-50, 1957-86), 6,887 ft^3/s, 16.29 in/yr.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 66,600 ft^3/s Mar. 9, 1966, gage height, 34.9 ft; minimum discharge, 790 ft^3/s regulated Oct. 20, Nov. 10, 1940.
EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known since at least 1893, 41.3 ft Jan. 21, 1925, from floodmark; discharge, 94,000 ft^3/s.
EXTREMES FOR CURRENT YEAR.--Peak discharge greater than base discharge of 20,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)
Feb. 12	0200	*15,800	*14.29

Minimum discharge, 964 ft^3/s Aug. 13, gage height, 3.19 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1090	3710	5590	4730	4040	5560	5980	3060	3000	1430	1100	1500
2	2060	3760	7240	6120	3690	6740	5600	3270	2950	1360	1240	1480
3	2340	3740	9530	7390	3130	4110	4710	3030	3500	1380	1190	2070
4	2210	3750	9720	7760	5230	5890	5110	2570	2760	1330	1110	2040
5	2750	4350	9850	7320	4070	4920	5050	1800	2710	1280	1020	2290
6	2720	4250	9820	6900	6350	5960	4910	2470	2230	1270	1040	2830
7	3360	3910	9770	6090	10700	5310	4610	3180	2000	1230	995	2790
8	3290	3230	9420	6260	12200	4890	4390	3080	2000	1090	998	3090
9	2950	3340	6060	6610	11700	4070	4610	2460	2370	1070	988	3860
10	2650	2620	6180	5850	11600	4130	4440	2330	2710	1090	992	2230
11	2780	2450	5310	5540	13400	5480	3890	1780	2430	1350	1000	2780
12	2820	3370	5130	6660	14000	4350	3750	1540	2280	1170	1010	2900
13	2260	2080	7000	7880	11700	4640	3710	1790	2780	1110	971	2720
14	1750	2650	11400	8190	11500	5800	4350	1990	2290	1100	993	2020
15	2390	2570	13200	6610	10800	7080	3690	1980	2080	1070	994	3040
16	2970	2430	13400	6190	10200	8260	3420	2070	2390	1100	1020	2670
17	2540	1980	12500	6060	8300	10100	4070	2010	2420	1060	1150	2010
18	2170	2820	11200	5280	9110	11200	3610	1920	2520	1040	1280	2580
19	2020	3150	9820	5000	8400	13500	3470	1510	2680	1040	1470	2330
20	1510	2070	8540	6150	9410	12900	2920	1690	2520	1030	1380	1990
21	1390	3020	8010	5700	9530	11900	3220	2030	1790	1030	1510	2570
22	1610	8390	7040	4750	8930	10200	3770	2230	1710	1030	1410	3130
23	2040	9450	6830	6160	8680	10500	3660	2130	1690	1030	1350	3360
24	1760	7260	5810	5540	8260	12400	3690	2030	1690	1040	1360	3330
25	1750	9100	6120	5510	7130	14600	2900	2180	1860	1010	1400	3290
26	1790	6070	5810	5170	7030	14900	2380	2230	1630	1030	1410	2680
27	1730	6610	6290	4660	4520	12300	3100	2040	1640	1050	1320	1700
28	1830	5540	5350	6120	6950	9560	3080	1870	1890	1060	1250	2290
29	3090	5900	5660	6620	---	7750	3260	2640	1840	1050	1170	2830
30	3240	6980	5390	4130	---	6240	2950	1840	1690	1250	1020	2290
31	2640	---	5540	2960	---	6030	---	2140	---	1290	1230	---
TOTAL	71500	130550	248530	185910	240560	251270	118300	68890	68050	35470	36371	76690
MEAN	2306	4352	8017	5997	8591	8105	3943	2222	2268	1144	1173	2556
MAX	3360	9450	13400	8190	14000	14900	5980	3270	3500	1430	1510	3860
MIN	1090	1980	5130	2960	3130	4070	2380	1510	1630	1010	971	1480
CFSM	.40	.76	1.40	1.05	1.50	1.41	.69	.39	.40	.20	.20	.45
IN.	.46	.85	1.61	1.20	1.56	1.63	.77	.45	.44	.23	.24	.50

CAL YR 1985 TOTAL 1720320 MEAN 4713 MAX 25300 MIN 1090 CFSM .82 IN 11.15
WTR YR 1986 TOTAL 1532091 MEAN 4198 MAX 14900 MIN 971 CFSM .73 IN 9.93

02353000 FLINT RIVER AT NEWTON, GA.--Continued

WATER-QUALITY RECORDS

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM)	PH (STAND-ARD UNITS)	PH LAB (STAND-ARD UNITS)	TEMPER-ATURE WATER (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)	BICAR-BONATE IT-FLD (MG/L AS HCO3)	ALKA-LINITY, CARBON-ATE IT-FLD (MG/L - CACO3)	ALKA-LINITY LAB (MG/L AS CACO3)
OCT												
10...	0700	2240	130	134	7.60	7.40	22.5	7.0	81	49	41	41
JAN												
10...	0930	6280	120	134	7.50	7.70	10.0	10.5	94	72	--	41
MAR												
25...	0800	14500	68	74	7.30	7.70	15.5	10.1	101	24	20	17
JUN												
03...	0730	3610	135	144	7.70	8.10	27.0	6.7	85	57	46	47
JUL												
03...	0730	1380	170	181	7.50	8.00	28.5	6.3	82	77	64	65
AUG												
06...	1215	1080	165	176	7.50	8.10	28.0	6.7	86	78	64	65

DATE	TUR-BID-ITY (NTU)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD-NESS (MG/L AS CACO3)	HARD-NESS NONCARB WH WAT TOT LAB 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)	PERCENT SODIUM	SODIUM AD-SORP-TION RATIO	POTAS-SIUM, DIS-SOLVED (MG/L AS K)
OCT											
10...	2.5	30	360	40	0	14	1.2	9.8	34	0.7	1.5
JAN											
10...	9.6	760	110	45	4	16	1.2	7.8	27	0.5	1.6
MAR											
25...	31	25	87	20	3	6.4	0.97	4.9	33	0.5	1.7
JUN											
03...	5.0	21	52	47	0	17	1.2	8.6	28	0.6	1.4
JUL											
03...	2.2	17	170	62	0	23	1.2	9.7	25	0.6	1.4
AUG											
06...	1.5	K30	210	62	0	23	1.2	9.2	24	0.5	1.4

DATE	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO2)	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)
OCT									
10...	2.0	8.6	8.9	<0.10	8.9	97	77	587	0.13
JAN									
10...	3.6	5.5	6.8	<0.10	9.8	78	85	1320	0.11
MAR									
25...	1.9	11	5.3	<0.10	8.2	58	50	2270	0.08
JUN									
03...	1.8	9.2	9.4	<0.10	8.5	84	84	819	0.11
JUL									
03...	3.9	9.1	9.4	0.10	7.5	108	100	402	0.15
AUG									
06...	3.9	8.7	8.1	0.20	8.9	96	99	280	0.13

02353000 FLINT RIVER AT NEWTON, GA.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	NITROGEN, NITRITE DISSOLVED (MG/L AS N)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN,AMMONIA + ORGANIC TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, DISSOLVED (MG/L AS P)	PHOSPHORUS, ORTHO, DISSOLVED (MG/L AS P)
OCT									
10...	<0.010	0.320	<0.010	0.040	--	0.20	0.070	0.050	<0.010
JAN									
10...	0.010	0.690	0.060	0.040	0.44	0.50	0.050	0.030	0.020
MAR									
25...	0.010	0.340	0.060	0.110	0.54	0.60	0.070	0.020	<0.010
JUN									
03...	0.010	0.500	0.070	0.310	0.43	0.50	0.070	0.050	0.040
JUL									
03...	0.020	0.810	0.050	0.160	0.35	0.40	0.160	0.160	0.130
AUG									
06...	<0.010	0.600	0.040	<0.010	0.26	0.30	0.110	0.090	0.090

DATE	ALUMINUM, DISSOLVED (UG/L AS AL)	ARSENIC DISSOLVED (UG/L AS AS)	BARIUM, DISSOLVED (UG/L AS BA)	BERYLLIUM, DISSOLVED (UG/L AS BE)	CADMIUM DISSOLVED (UG/L AS CD)	CHROMIUM, DISSOLVED (UG/L AS CR)	COBALT, DISSOLVED (UG/L AS CO)	COPPER, DISSOLVED (UG/L AS CU)	IRON, DISSOLVED (UG/L AS FE)	LEAD, DISSOLVED (UG/L AS PB)
OCT										
10...	30	<1	16	<0.5	<1	2	<3	1	200	3
JAN										
10...	50	<1	19	0.5	<1	<1	<3	3	460	<1
JUN										
03...	100	<1	22	<0.5	<1	<1	<3	<1	160	1

DATE	LITHIUM DISSOLVED (UG/L AS LI)	MANGANESE, DISSOLVED (UG/L AS MN)	MERCURY DISSOLVED (UG/L AS HG)	MOLYBDENUM, DISSOLVED (UG/L AS MO)	NICKEL, DISSOLVED (UG/L AS NI)	SELENIUM, DISSOLVED (UG/L AS SE)	SILVER, DISSOLVED (UG/L AS AG)	STRONTIUM, DISSOLVED (UG/L AS SR)	VANADIUM, DISSOLVED (UG/L AS V)	ZINC, DISSOLVED (UG/L AS ZN)
OCT										
10...	7	5	0.3	<10	8	<1	<1	30	<6	17
JAN										
10...	<4	17	1.0	<10	2	<1	<1	30	<6	14
JUN										
03...	<4	3	<0.1	<10	1	<1	<1	31	<6	23

02353000 FLINT RIVER AT NEWTON, GA.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	TEMPER-ATURE WATER (DEG C)	SEDI-MENT, SUS-PENDED (MG/L)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY)
OCT					
10...	0705	2250	22.5	8	49
22...	1420	1590	25.0	3	13
22...	1425	1590	25.0	7	30
DEC					
06...	1341	9690	14.0	13	340
06...	1346	9690	14.0	14	366
JAN					
10...	0935	6280	10.0	29	492
17...	1131	6340	10.5	9	154
17...	1136	6340	10.5	12	205
FEB					
20...	1446	8760	17.0	16	378
20...	1451	8760	17.0	15	355
MAR					
25...	0805	14500	15.5	27	1060
APR					
21...	1456	3490	21.0	8	75
MAY					
27...	1501	2010	26.5	6	33
27...	1506	2010	26.5	6	33
JUN					
03...	0735	3610	27.0	6	58
JUL					
03...	0735	1380	28.5	2	7.5
03...	1256	1380	28.0	4	15
17...	1601	1060	31.5	2	5.7
17...	1606	1060	31.5	3	8.6
AUG					
06...	1220	1080	28.0	2	5.8
13...	1006	964	30.0	2	5.2
13...	1011	964	30.0	2	5.2
SEP					
25...	1302	3090	28.0	8	67
25...	1307	3090	28.0	10	84

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT			
10...	0705	2250	79
JAN			
10...	0935	6280	73
MAR			
25...	0805	14500	89
JUN			
03...	0735	3610	86
JUL			
03...	0735	1380	62
AUG			
06...	1220	1080	62

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	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
OCT											
22...	1528	1610	<1	<1	<1	8	76	98	100	--	--
22...	1529	1610	<1	<1	3	17	51	78	86	93	100
22...	1530	1610	<1	<1	1	2	27	92	100	--	--
22...	1531	1610	<1	1	2	3	18	87	93	96	100

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 mi^2, 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, nonrecord gage at site 100 ft downstream at present datum.
REMARKS.--No estimated daily discharges. Records good. Discharges during growing season affected by undetermined amount of irrigation withdrawal. Moderate diurnal fluctuation at low flow.
AVERAGE DISCHARGE.--49 years (water years 1906-07, 1940-86), 788 ft^3/s, 17.26 in/yr.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 11,900 ft^3/s Jan. 27, 1978, gage height, 15.08 ft; minimum discharge, 45 ft^3/s July 19, 23, 1986.
EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in July 1916 reached a stage of 17.2 ft, from information by local resident, discharge, 15,500 ft^3/s.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 3,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)
Dec. 17	0300	*2,360	*4.81

Minimum discharge, 45 ft^3/s, July 19, 23 minimum gage height, 0.18, July 19, 23.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	198	580	702	857	542	649	554	263	355	123	122	226
2	199	561	821	1010	536	626	536	253	310	111	86	236
3	204	550	850	1110	532	607	518	241	254	99	73	235
4	239	503	848	1120	529	597	507	235	230	93	60	252
5	298	417	825	1010	585	596	496	228	203	92	53	283
6	336	354	724	930	945	587	484	217	183	91	50	276
7	306	323	625	839	1360	564	467	213	173	89	56	243
8	258	299	550	740	1750	542	448	207	172	89	119	215
9	234	290	516	669	1810	541	443	206	181	84	182	196
10	223	286	498	712	1600	535	434	202	163	72	205	181
11	218	279	490	1070	1740	529	421	196	156	69	179	168
12	212	273	501	1280	1690	539	398	203	170	80	168	161
13	208	276	696	1400	1570	546	402	190	189	74	230	162
14	205	279	1100	1370	1380	831	401	186	230	77	295	201
15	207	288	1490	1140	1180	1340	427	205	230	74	228	255
16	204	291	2080	955	1050	1610	440	204	193	63	172	248
17	208	287	2210	806	955	1770	446	184	153	62	149	204
18	217	283	1520	739	929	1610	437	178	148	54	142	188
19	219	279	1060	716	1010	1230	421	197	153	48	141	182
20	220	278	840	713	1030	969	407	203	145	51	142	173
21	225	295	721	699	970	922	397	221	182	52	137	172
22	228	513	661	678	911	999	397	229	178	53	134	164
23	226	787	625	652	865	1080	390	209	150	55	148	153
24	247	1070	609	628	879	1040	382	187	125	94	141	150
25	243	1450	598	608	856	894	354	173	105	112	131	150
26	234	1790	578	597	784	742	335	164	101	113	112	141
27	231	1290	559	591	718	667	318	153	108	117	97	138
28	252	851	558	576	680	639	308	157	111	155	98	139
29	362	644	616	559	---	608	292	163	119	207	118	131
30	492	631	677	548	---	589	274	242	131	240	150	129
31	566	---	723	545	---	571	---	354	---	201	210	---
TOTAL	7919	16297	25871	25867	29386	25569	12534	6463	5301	2994	4328	5752
MEAN	255	543	835	834	1050	825	418	208	177	96.6	140	192
MAX	566	1790	2210	1400	1810	1770	554	354	355	240	295	283
MIN	198	273	490	545	529	529	274	153	101	48	50	129
CFSM	.41	.88	1.35	1.35	1.69	1.33	.67	.34	.29	.16	.23	.31
IN.	.48	.98	1.55	1.55	1.76	1.53	.75	.39	.32	.18	.26	.35

CAL YR 1985 TOTAL 213748 MEAN 586 MAX 6030 MIN 181 CFSM .95 IN 12.82
WTR YR 1986 TOTAL 168281 MEAN 461 MAX 2210 MIN 48 CFSM .74 IN 10.10

02353500 ICHAWAYNOCHAWAY CREEK AT MILFORD, GA.--Continued

WATER-QUALITY RECORDS

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM)	PH (STAND-ARD UNITS)	PH LAB (STAND-ARD UNITS)	TEMPER-ATURE WATER (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)
MAR									
10...	1600	532	82	91	7.30	7.80	15.5	8.8	89
JUL									
28...	1430	164	70	73	7.20	7.60	28.0	7.1	92

DATE	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (NTU)	HARD-NESS (MG/L AS CACO3)	HARD-NESS NONCARB WH WAT TOT LAB 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)	PERCENT SODIUM	SODIUM AD-SORP-TION RATIO	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY LAB (MG/L AS CACO3)	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO2)
MAR												
10...	50	10	37	6	13	1.0	2.4	12	0.2	0.80	31	3.0
JUL												
28...	30	4.4	28	3	9.4	1.0	2.1	14	0.2	0.80	25	3.1

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)	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)
MAR												
10...	3.7	4.8	<0.10	5.1	53	50	76	0.07	0.800	0.770	0.030	0.030
JUL												
28...	3.6	4.1	<0.10	7.3	50	44	22	0.07	0.800	0.760	<0.010	<0.010

DATE	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)	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)
MAR											
10...	0.47	0.27	0.50	0.30	1.3	0.020	0.010	3.9	60	<1	<1
JUL											
28...	--	--	0.40	0.30	1.2	0.040	<0.010	5.1	50	<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)
MAR											
10...	<1	<10	2	410	2	3	30	0.40	0.5	<1	13
JUL											
28...	<1	<10	1	220	<5	<5	55	0.20	0.7	<1	6

02356000 FLINT RIVER AT BAINBRIDGE, GA.

LOCATION.--Lat 30°54'41", long 84°34'48", Decatur County, Hydrologic Unit 03130008, on downstream side of highway bridge on Business Route 27, 0.2 mi downstream from Seaboard Coast Line Railroad bridge, at mile 29.0, and 29.2 mi upstream from Jim Woodruff Dam.

DRAINAGE AREA.--7,570 mi^2, 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, 1978-86.

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 ft^3/s, 15.68 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 83,200 ft^3/s Mar. 21, 1929, gage height, 37.73 ft; minimum daily discharge, 1,340 ft^3/s Sept. 25, 1963.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known since at least 1893, 40.9 ft, present datum, Jan. 24, 1925, discharge 101,000 ft^3/s, from rating curve extended above 70,000 ft^3/s on basis of slope-conveyance studies.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 17,200 ft^3/s Feb. 12, gage height, 21.47 ft.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	18.06	19.07	19.60	19.26	18.79	19.77	18.93	18.11	18.30	17.65	17.92	17.63
2	18.11	19.10	19.60	19.57	18.49	19.61	18.99	18.35	18.20	17.95	17.98	17.70
3	18.43	19.00	20.07	19.78	18.11	19.70	18.96	18.41	18.30	18.15	17.94	17.85
4	18.72	18.94	20.15	20.13	18.13	19.60	19.07	18.17	18.44	18.38	17.87	17.96
5	19.03	18.94	20.20	19.76	18.35	19.49	19.41	17.93	18.55	18.50	17.85	18.07
6	19.02	18.92	20.26	19.46	18.88	19.55	19.33	18.00	18.70	18.27	17.87	18.15
7	18.76	18.95	20.18	19.39	19.58	19.49	19.25	18.21	18.76	18.03	17.87	18.11
8	18.80	18.91	19.94	19.39	20.61	19.36	19.34	18.42	18.49	18.01	17.86	18.11
9	18.87	18.87	19.62	19.52	20.53	19.22	19.44	18.49	18.29	18.03	17.82	18.25
10	18.93	18.70	19.16	19.75	20.52	19.15	19.52	18.53	18.38	18.17	17.67	18.29
11	19.00	18.48	19.12	19.69	20.96	19.15	19.51	18.32	18.46	18.32	17.55	18.30
12	19.02	18.54	19.33	19.49	21.38	19.19	19.36	18.05	18.55	18.39	17.56	18.34
13	18.73	18.60	19.61	19.46	21.00	19.18	19.11	18.08	18.63	18.14	17.62	18.34
14	18.43	18.60	20.03	19.63	20.86	19.36	18.94	18.20	18.74	17.89	17.67	18.19
15	18.39	18.64	20.38	19.62	21.25	19.40	18.97	18.32	18.48	17.82	17.68	18.17
16	18.42	18.62	20.53	19.54	20.89	19.51	18.97	18.45	18.29	17.81	17.69	18.28
17	18.42	18.36	20.61	19.54	20.36	19.79	18.99	18.58	18.36	17.78	17.62	18.33
18	18.41	18.15	20.64	19.40	20.16	19.79	19.01	18.38	18.41	17.73	17.50	18.30
19	18.42	18.26	20.49	19.10	20.21	20.20	18.98	18.23	18.45	17.68	17.52	18.30
20	18.17	18.37	20.31	18.75	20.25	20.43	18.71	18.36	18.51	17.44	17.66	18.24
21	17.89	18.34	20.09	18.73	20.30	20.56	18.46	18.45	18.52	17.20	17.68	18.10
22	17.89	19.55	19.75	18.68	20.24	20.54	18.36	18.53	18.24	17.27	17.72	18.02
23	17.93	19.67	19.51	18.88	19.80	20.26	18.36	18.62	18.03	17.41	17.75	18.03
24	17.97	19.48	19.39	19.06	19.30	20.31	18.30	18.68	18.09	17.57	17.66	18.05
25	18.07	19.56	19.46	19.17	19.36	20.51	18.22	18.47	18.12	17.73	17.58	18.06
26	18.23	19.62	19.34	19.00	19.78	20.84	18.16	18.27	18.13	17.87	17.63	18.08
27	18.02	19.68	19.38	18.85	19.75	20.93	17.95	18.27	18.08	17.72	17.66	18.01
28	17.78	19.60	19.43	18.81	19.60	20.45	17.83	18.30	18.06	17.54	17.71	17.87
29	18.04	19.56	19.25	19.16	---	19.63	17.80	18.39	17.84	17.61	17.69	17.83
30	18.48	19.65	19.04	19.22	---	18.90	17.95	18.46	17.61	17.74	17.74	17.86
31	18.78	---	19.17	19.01	---	18.84	---	18.48	---	17.82	17.69	---
MEAN	18.43	18.96	19.79	19.32	19.91	19.76	18.81	18.34	18.33	17.86	17.72	18.09
MAX	19.03	19.68	20.64	20.13	21.38	20.93	19.52	18.68	18.76	18.50	17.98	18.34
MIN	17.78	18.15	19.04	18.68	18.11	18.84	17.80	17.93	17.61	17.20	17.50	17.63

CAL YR 1985 MEAN 18.99 MAX 23.52 MIN 17.46
WTR YR 1986 MEAN 18.77 MAX 21.38 MIN 17.20

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 mi^2, 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 determination of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen is by the U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM)	SPECIFIC CONDUCTANCE LAB (US/CM)	PH (STANDARD UNITS)	PH LAB (STANDARD UNITS)	TEMPERATURE (DEG C)	TEMPERATURE, AIR (DEG C)	OXYGEN, DISSOLVED (MG/L)	OXYGEN, DISSOLVED (PERCENT SATURATION)
NOV									
20...	1115	165	166	7.80	7.70	21.5	24.0	8.0	92
DEC									
10...	1045	126	118	7.70	7.60	14.0	22.0	9.3	90
JAN									
22...	1105	174	158	7.50	7.50	13.0	21.5	10.0	95
FEB									
26...	1215	137	128	7.40	7.50	15.5	18.5	9.1	92
MAR									
19...	1140	128	118	7.40	7.20	19.0	24.5	8.5	93
APR									
15...	1235	175	166	7.20	7.70	20.5	27.0	7.1	80
MAY									
21...	1120	203	195	7.70	7.80	24.0	25.0	7.2	87
JUN									
18...	1015	192	186	7.60	7.80	27.5	32.0	7.8	100
JUL									
23...	1025	--	205	7.70	7.90	30.0	33.0	7.6	--
AUG									
19...	1025	185	181	7.60	8.10	28.0	29.0	7.7	100
SEP									
17...	1025	164	156	7.40	7.80	27.0	30.0	7.0	88

DATE	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (NTU)	OXYGEN DEMAND, CHEMICAL (LOW LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	COLIFORM, FECAL, EC BROTH (MPN)	ALKALINITY LAB (MG/L AS CACO3)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)
NOV									
20...	20	8.0	5	0.4	110	56	6	1.09	0.290
DEC									
10...	90	16	17	0.5	460	43	4	0.670	0.230
JAN									
22...	35	10	10	2.9	490	50	4	2.40	1.18
FEB									
26...	40	12	11	1.6	80	49	4	0.920	0.260
MAR									
19...	45	13	15	1.9	330	33	11	1.05	0.620
APR									
15...	30	11	21	1.5	28000	60	6	1.51	0.960
MAY									
21...	5	6.0	5	1.2	3300	71	1	1.35	0.490
JUN									
18...	10	5.0	4	0.9	1300	64	<1	1.48	1.51
JUL									
23...	5	5.0	--	1.0	2300	75	2	1.05	0.150
AUG									
19...	10	3.0	--	1.3	31000	71	4	1.02	0.180
SEP									
17...	10	4.0	--	1.0	230	51	3	0.670	0.150

02356015 FLINT RIVER BELOW BAINBRIDGE, GA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
NOV					
20...	0.21	0.50	1.6	0.080	6.2
DEC					
10...	0.27	0.50	1.2	0.080	5.9
JAN					
22...	0.32	1.5	3.9	0.050	4.7
FEB					
26...	0.34	0.60	1.5	0.060	4.7
MAR					
19...	0.28	0.90	1.9	0.080	5.4
APR					
15...	0.0	0.90	2.4	0.090	6.7
MAY					
21...	0.01	0.50	1.8	0.040	3.6
JUN					
18...	0.59	2.1	3.6	0.060	4.8
JUL					
23...	--	--	--	0.030	5.7
AUG					
19...	--	--	--	0.040	3.6
SEP					
17...	--	--	--	0.060	7.6

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 mi^2, 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.

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.--Estimated daily discharges: Sept. 16-24. Records good except those of Sept. 16-24, which are fair. Discharges during growing season affected by undetermined amount of irrigation withdrawal.

AVERAGE DISCHARGE.--38 years (water years 1938-70, 1978, 1983-86), 491 ft^3/s, 13.75 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 17,700 ft^3/s Apr. 12, 1975, gage height, 19.43 ft; maximum gage height 19.9 ft Apr. 2, 1948; minimum discharge, 5.0 ft^3/s Aug. 14, 15, 18, and 19.

EXTREMES OUTSIDE PERIOD OF RECORD.--A discharge of 5.3 ft^3/s was measured on July 13, 1981. The effect of irrigation on this measurement is unknown.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 2,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)
Feb. 12	0300	*5,860	*15.87

Minimum discharge, 5.0 ft^3/s Aug. 14, 15, 18, 19.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	35	63	358	566	504	894	481	134	41	20	6.9	16
2	36	67	428	632	487	825	460	127	41	19	6.5	20
3	37	66	481	695	472	775	438	118	39	18	6.2	23
4	38	63	479	713	460	743	416	109	36	16	6.3	23
5	38	60	454	729	561	719	396	105	40	15	6.2	25
6	36	57	428	744	1280	690	378	102	40	15	6.0	24
7	34	54	399	716	2090	660	362	95	38	15	5.7	23
8	34	53	377	654	2200	632	349	89	35	15	5.9	24
9	33	51	357	600	2180	611	336	82	34	14	6.0	23
10	33	49	340	630	2340	593	320	74	32	12	6.1	23
11	32	46	326	780	4210	576	313	69	29	11	5.7	23
12	31	45	351	921	5630	561	303	67	27	9.7	5.4	23
13	30	44	449	1060	4560	549	297	67	30	9.1	5.3	24
14	28	43	608	1120	3480	660	285	66	30	8.6	5.1	24
15	28	43	692	1180	2710	815	275	62	29	8.2	6.3	24
16	28	42	753	1150	2220	1000	270	59	30	8.4	6.1	25
17	34	42	806	1010	1910	1240	260	55	28	8.3	5.4	25
18	32	41	867	885	1690	1450	252	53	28	8.2	5.2	26
19	31	40	854	806	1550	1360	244	53	28	7.6	5.1	26
20	31	42	750	749	1460	1110	235	56	27	7.3	7.4	25
21	30	49	651	712	1380	930	228	61	26	7.2	10	23
22	30	163	592	695	1320	824	220	61	26	7.0	19	21
23	30	345	560	679	1380	776	210	62	25	7.6	17	20
24	29	374	533	658	1380	746	202	59	25	7.3	15	18
25	29	385	507	637	1250	717	195	51	24	7.0	15	18
26	29	374	479	625	1120	671	185	46	22	6.9	15	17
27	31	364	460	600	1040	622	174	43	21	6.9	14	16
28	37	379	451	572	971	583	163	42	20	7.4	14	16
29	47	372	471	555	---	554	156	41	20	7.9	14	15
30	51	352	481	538	---	526	144	41	20	7.3	15	14
31	57	---	496	520	---	503	---	41	---	7.4	16	---
TOTAL	1059	4168	16238	23131	51835	23915	8547	2190	891	325.3	282.8	647
MEAN	34.2	139	524	746	1851	771	285	70.6	29.7	10.5	9.12	21.6
MAX	57	385	867	1180	5630	1450	481	134	41	20	19	26
MIN	28	40	326	520	460	503	144	41	20	6.9	5.1	14
CFSM	.07	.29	1.08	1.54	3.82	1.59	.59	.15	.06	.02	.02	.05
IN.	.08	.32	1.25	1.77	3.98	1.83	.66	.17	.07	.02	.02	.05

CAL YR 1985 TOTAL 84416.0 MEAN 231 MAX 1140 MIN 28 CFSM .48 IN 6.47
WTR YR 1986 TOTAL 133229.1 MEAN 365 MAX 5630 MIN 5.1 CFSM .75 IN 10.22

LAKES IN APALACHICOLA RIVER BASIN

02334400 LAKE SIDNEY LANIER.--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 mi^2, 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).

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 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, 1,770,900 acre-ft Oct. 2, elevation, 1,066.05 ft; minimum, 1,408,500 acre-ft Sept. 30, elevation, 1,055.25 ft.

MONTHEND ELEVATION AND CONTENTS AT 2400, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

Date	Elevation (feet)	Contents (acre-feet)	Change in contents (acre-feet)	Change in contents (equivalent in cubic feet per second)
Sept. 30.....	1065.98	1768400	-	-
Oct. 31.....	1064.89	1729200	-39200	-638
Nov. 30.....	1065.12	1737400	+8200	+138
Dec. 31.....	1064.91	1729900	-7500	-122
CAL YR 1985	-	-	-48600	-67
Jan. 31.....	1064.55	1717300	-12600	-205
Feb. 28.....	1064.63	1720100	+2800	+50
Mar. 31.....	1065.06	1735200	+15100	+246
Apr. 30.....	1064.47	1714500	-20700	-348
May 31.....	1063.86	1693100	-21400	-348
June 30.....	1062.31	1639300	-53800	-904
July 31.....	1058.12	1499700	-139600	-2270
Aug. 31.....	1056.05	1433400	-66300	-1078
Sept. 30.....	1055.25	1408500	-24900	-418
WTR YR 1986	-	-	-359900	-497

02339400 WEST POINT LAKE.--Lat 32°55'05", long 85°11'17", Troup County, Hydrologic Unit 03130002, at forebay of dam on Chattahoochee River, 2.3 mi upstream from Oseligee Creek, 3.0 mi north of West Point, Ga., 3.2 mi upstream from bridge on U.S. Highway 29, and at mile 201.4. DRAINAGE AREA, 3,440 mi^2, 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).

Lake is formed by concrete gravity dam with earth dikes at either side. Spillway, crest elevation, 597 ft is equipped with six taintor gates 50 ft wide by 41 ft high. Storage began Oct. 16, 1974, and 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, mimimum 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, 569,500 acre-ft Mar. 24, elevation, 633.61 ft; minimum, 295,200 acre-ft Nov. 8, elevation, 619.80 ft.

MONTHEND ELEVATION AND CONTENTS AT 2400, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

Date	Elevation (feet)	Contents (acre-feet)	Change in contents (acre-feet)	Change in contents (equivalent in cubic feet per second)
Sept. 30.....	628.63	455500	-	-
Oct. 31.....	620.60	307900	-147600	-2400
Nov. 30.....	623.80	361700	+53800	+904
Dec. 31.....	625.04	384200	+22500	+366
CAL YR 1985	-	-	-3100	-4
Jan. 31.....	627.30	428100	+43900	+714
Feb. 28.....	627.30	428100	0	0
Mar. 31.....	633.20	559300	+131200	+2134
Apr. 30.....	632.50	542400	-16900	-284
May 31.....	630.39	493600	-48800	-794
June 30.....	627.14	424800	-68800	-1156
July 31.....	624.32	371000	-53800	-875
Aug. 31.....	625.50	392900	+21900	+356
Sept. 30.....	626.60	414100	+21200	+356
WTR YR 1986	-	-	-41400	-57

LAKES IN APALACHICOLA RIVER BASIN--Continued

02341000 LAKE HARDING.--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 mi^2, approximately. PERIOD OF RECORD, October 1929 to current year. Datum of gage is at National Geodetic Vertical Datum of 1929 (levels by Georgia Power Co.).

Reservoir is formed by concrete gravity dam with earth fill abutments. Spillway, crest elevation, 500.0 ft is equipped with 19 taintor gates 25 ft wide by 21 ft high and two trash gages 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 Co.

MONTHEND ELEVATION AND CONTENTS AT 2400, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

Date	Elevation (feet)†	Contents (acre-feet)	Change in contents (acre-feet)	Change in contents (equivalent in cubic feet per second)
Sept. 30.....	519.9	174000	-	-
Oct. 31.....	518.0	163000	-11000	-179
Nov. 30.....	520.2	176000	+13000	+218
Dec. 31.....	519.9	174000	-2000	-33
CAL YR 1985	-	-	+27000	+37
Jan. 31.....	518.8	168000	-6000	-98
Feb. 28.....	519.6	173000	+5000	+90
Mar. 31.....	519.5	172000	-1000	-16
Apr. 30.....	520.7	179000	+7000	+118
May 31.....	519.7	173000	-6000	-98
June 30.....	520.3	177000	+4000	+67
July 31.....	520.2	176000	-1000	-16
Aug. 31.....	519.4	171000	-5000	-81
Sept. 30.....	518.9	168000	-3000	-50
WTR YR 1986	-	-	-6000	-8

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

02343240 WALTER F. GEORGE LAKE.--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 mi^2, 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).

Reservoir is formed by concrete gravity dam and navigation lock with earth dikes on either side. The non-overflow 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 taintor 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, 993,700 acre-ft May 20, 1969, elevation, 191.28 ft; minimum, after first filling, 660,400 acre-ft Apr. 23, 1965, elevation, 183.17 ft.

EXTREMES FOR CURRENT YEAR: Maximum contents, 946,500 acre-ft Mar. 20, elevation, 190.26 ft; minimum, 700,900 acre-ft July 11, elevation, 184.29 ft.

MONTHEND ELEVATION AND CONTENTS AT 2400, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

Date	Elevation (feet)	Contents (acre-feet)	Change in contents (acre-feet)	Change in contents (equivalent in cubic feet per second)
Sept. 30.....	185.70	754000	-	-
Oct. 31.....	187.70	834600	+80600	+1311
Nov. 30.....	189.20	898900	+64300	+1081
Dec. 31.....	189.30	903300	+4400	+72
CAL YR 1985	-	-	+125700	+174
Jan. 31.....	188.00	847100	-56200	-914
Feb. 28.....	188.00	847100	0	0
Mar. 31.....	188.20	855700	+8600	+140
Apr. 30.....	187.60	830500	-25200	-424
May 31.....	187.13	811000	-19500	-317
June 30.....	186.30	777700	-33300	-560
July 31.....	184.68	715300	-62400	-1015
Aug. 31.....	185.00	729200	+11900	+194
Sept. 30.....	186.70	793600	+66400	+1116
WTR YR 1986	-	-	+39600	+55

LAKES IN APALACHICOLA RIVER BASIN--Continued

02357500 LAKE SEMINOLE.--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 mi^2, 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, nonrecording gage at same site at datum 53.96 ft higher; gage readings have been reduced to elevation above mean sea level.

Lake is formed by earthfill dam with concrete fixed-crest spillway, a center channel spillway with 16 vertical lift gates 40 ft long and 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 398,000 acre-ft Dec. 5, elevation, 77.79 ft; minimum, 308,100 acre-ft July 21, elevation 75.31.

MONTHEND ELEVATION AND CONTENTS AT 2400, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

Date	Elevation (feet)	Contents (acre-feet)	Change in contents (acre-feet)	Change in contents (equivalent in cubic feet per second)
Sept. 30	76.21	338700	-	-
Oct. 31	77.00	367300	+28600	+465
Nov. 30	77.42	383600	+16300	+274
Dec. 31	77.08	370400	-13200	-215
CAL YR 1985	-	-	+33900	+47
Jan. 31	76.96	365800	-4600	-75
Feb. 28	77.40	382800	+17000	+306
Mar. 31	76.63	353900	-28900	-470
Apr. 30	76.02	331800	-22100	-371
May 31	76.42	346300	+14500	+236
June 30	75.63	318700	-27600	-464
July 31	76.00	331100	+12400	+202
Aug. 31	75.90	327700	-3400	-55
Sept. 30	76.00	331100	+3400	+57
WTR YR 1986	-	-	-7600	-10

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 mi^2.
PERIOD OF RECORD.--October 1938 to December 1949, June 1963 to current year. Occasional low-flow measurements 1959, 1961-62.
REVISED RECORDS.--WRD 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, nonrecording gage at site 0.5 mi upstream at datum 8.04 ft higher.
REMARKS.--Estimated daily discharges Dec. 27, Jan. 28-30. Records good.
AVERAGE DISCHARGE.--34 years (water years 1939-49, 1964-86), 514 ft^3/s, 29.58 in/yr.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 17,000 ft^3/s Oct. 4, 1964, gage height, 17.63 ft; minimum, 75 ft^3/s Aug. 6-8, 1986.
EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known since at least 1938, 20.7 ft Mar. 19, 1951, from floodmark.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 3,500 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)
Feb. 18	0530	*1,490	*3.27

Minimum discharge, 75 ft^3/s Aug. 6-8, gage height, 0.93 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	487	364	487	520	241	289	285	218	184	229	99	160
2	403	369	466	357	239	281	281	211	177	216	96	209
3	285	304	387	321	237	276	277	204	172	210	90	280
4	255	297	349	301	234	273	276	200	171	161	83	320
5	224	274	328	288	276	267	271	198	169	142	79	348
6	205	257	315	270	280	262	268	198	165	132	78	214
7	197	251	296	264	267	257	269	206	166	125	75	162
8	193	246	286	257	252	253	315	217	195	121	90	138
9	190	234	278	251	244	249	332	197	181	115	135	127
10	186	230	271	253	243	250	287	190	180	110	111	122
11	183	227	275	250	250	264	273	187	172	108	107	120
12	182	225	376	243	236	259	267	186	164	108	104	316
13	181	221	561	240	229	656	264	186	157	116	111	211
14	180	219	470	236	250	714	260	198	152	150	98	156
15	183	215	389	235	331	628	262	186	147	148	96	134
16	182	215	353	234	293	491	252	185	141	116	95	128
17	176	251	333	235	484	415	248	189	137	108	91	125
18	173	250	309	243	1210	375	248	180	135	116	88	120
19	174	229	292	292	717	599	245	193	132	108	85	124
20	174	222	283	266	507	509	252	238	130	98	145	123
21	207	238	275	246	424	425	289	198	126	91	633	127
22	263	331	267	241	381	388	267	181	124	88	184	118
23	293	286	267	237	350	366	246	176	120	94	131	114
24	482	257	263	232	333	349	239	174	118	102	115	112
25	420	245	264	242	324	335	234	178	118	160	105	109
26	281	240	253	315	306	326	232	184	113	120	99	108
27	246	241	259	277	319	321	227	293	109	112	122	106
28	258	272	259	255	307	309	235	303	108	121	137	108
29	231	401	252	251	---	303	253	265	126	114	116	123
30	218	506	246	247	---	297	226	217	241	105	102	108
31	233	---	425	245	---	290	---	195	---	95	124	---
TOTAL	7545	8117	10134	8344	9764	11276	7880	6331	4530	3939	3824	4770
MEAN	243	271	327	269	349	364	263	204	151	127	123	159
MAX	487	506	561	520	1210	714	332	303	241	229	633	348
MIN	173	215	246	232	229	249	226	174	108	88	75	106
CFSM	1.03	1.15	1.39	1.14	1.48	1.54	1.11	.86	.64	.54	.52	.67
IN.	1.19	1.28	1.60	1.32	1.54	1.78	1.24	1.00	.71	.62	.60	.75

CAL YR 1985 TOTAL 120446 MEAN 330 MAX 2320 MIN 160 CFSM 1.40 IN 18.99
WTR YR 1986 TOTAL 86454 MEAN 237 MAX 1210 MIN 75 CFSM 1.00 IN 13.63

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, 3.6 mi upstream from mouth, and 4.5 mi northeast of Talking Rock.
DRAINAGE AREA.--9.99 mi^2.
PERIOD OF RECORD.--Annual maximum, water years 1966-74, October 1974 to current year.
GAGE.--Water-stage recorder. Elevation of gage is 1,320 ft above National Geodetic Vertical Datum of 1929 (from topographic map).
REMARKS.--No estimated daily discharges. Records good, except Aug. 20 and those less than 5 ft^3/s, which are fair.
AVERAGE DISCHARGE.--12 years, 18.3 ft^3/s, 24.88 in/yr.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,160 ft^3/s May 29, 1973, gage height, 16.96 ft, from floodmarks; minimum daily discharge, 1.1 ft^3/s June 26, 27, 1986.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 300 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)
Aug. 20	2115	*600	*7.52(A)

Minimum daily discharge, 1.1 ft^3/s June 26, 27.

(A) Backwater due to debris.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	22	7.9	11	16	7.6	7.6	9.3	6.5	4.7	11	4.2	6.3
2	9.5	7.2	9.8	11	7.6	7.6	9.0	6.2	4.4	17	2.3	8.8
3	8.4	7.3	8.7	9.9	7.5	7.6	9.0	6.0	4.3	9.7	2.0	16
4	7.1	7.2	8.1	9.3	7.2	7.6	9.0	5.8	3.8	5.9	1.7	11
5	6.3	6.8	7.8	8.7	11	7.6	9.0	5.8	3.8	5.0	1.7	9.2
6	6.0	6.7	7.4	8.5	10	7.6	8.7	5.8	3.6	4.1	1.7	7.8
7	6.0	6.6	7.2	8.3	9.7	7.5	8.6	5.8	3.5	3.5	1.5	6.3
8	5.6	6.5	7.2	7.9	9.2	7.2	14	5.6	4.0	3.0	4.1	5.5
9	5.6	6.4	7.2	7.5	8.8	7.0	11	5.4	3.8	2.5	5.2	5.3
10	5.5	6.4	7.0	7.6	8.5	6.8	9.7	5.3	3.6	2.5	4.8	4.9
11	5.4	6.4	7.1	7.5	8.3	7.0	9.2	5.3	3.5	2.1	2.9	4.9
12	5.3	6.4	10	7.2	8.1	7.2	9.0	5.3	3.2	2.4	2.4	16
13	5.4	6.4	19	7.2	7.8	35	8.8	5.3	2.8	2.1	2.3	6.3
14	5.4	6.2	12	7.2	9.9	27	8.5	5.2	2.4	4.1	2.1	4.9
15	5.3	6.0	9.8	7.2	11	22	8.5	4.8	2.2	3.7	2.1	4.0
16	5.3	6.1	9.2	7.0	9.8	16	8.3	5.0	2.0	2.4	1.9	4.2
17	5.3	7.1	8.5	6.9	14	14	8.1	5.0	1.9	2.1	2.0	4.8
18	5.3	6.6	8.3	7.7	21	13	8.1	4.7	1.8	2.1	1.9	4.6
19	5.3	6.4	7.7	8.8	15	23	8.1	6.2	1.6	2.1	2.2	5.2
20	5.3	6.3	7.6	7.8	12	16	8.6	6.2	1.6	2.1	90	5.0
21	8.2	7.1	7.4	7.4	10	15	9.3	5.2	1.5	2.1	19	5.0
22	7.5	7.9	7.2	7.2	9.5	14	8.6	4.7	1.4	2.1	5.2	4.7
23	8.5	7.0	7.2	7.2	9.3	12	8.1	4.5	1.4	1.6	3.2	4.6
24	14	6.7	7.2	7.2	8.9	12	7.9	4.5	1.3	1.4	2.3	4.7
25	9.1	6.4	6.9	8.1	8.4	11	7.5	4.3	1.2	2.0	1.8	4.9
26	7.3	6.4	6.8	11	8.1	10	7.2	4.5	1.1	1.5	1.9	4.8
27	7.3	6.4	6.8	9.5	8.8	10	7.1	9.3	1.1	4.9	5.4	4.6
28	8.1	7.9	6.9	9.0	8.3	10	7.6	9.1	1.2	3.6	4.6	6.4
29	6.6	11	6.8	8.6	---	9.9	7.5	7.0	13	2.9	2.2	5.6
30	6.4	12	6.7	8.2	---	9.7	6.8	5.7	24	2.1	1.6	4.0
31	6.4	---	26	7.9	---	9.5	---	5.2	---	2.1	5.4	---
TOTAL	224.7	211.7	276.5	260.5	275.3	377.4	260.1	175.2	109.7	115.7	191.6	190.3
MEAN	7.25	7.06	8.92	8.40	9.83	12.2	8.67	5.65	3.66	3.73	6.18	6.34
MAX	22	12	26	16	21	35	14	9.3	24	17	90	16
MIN	5.3	6.0	6.7	6.9	7.2	6.8	6.8	4.3	1.1	1.4	1.5	4.0
CFSM	.73	.71	.89	.84	.98	1.22	.87	.57	.37	.37	.62	.64
IN.	.84	.79	1.03	.97	1.03	1.41	.97	.65	.41	.43	.71	.71

CAL YR 1985 TOTAL 3770.6 MEAN 10.3 MAX 98 MIN 4.2 CFSM 1.03 IN 14.04
WTR YR 1986 TOTAL 2668.7 MEAN 7.31 MAX 90 MIN 1.1 CFSM .73 IN 9.94

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 mi^2.
PERIOD OF RECORD.--November 1973 to current year.
REVISED RECORDS.--WDR GA-80-1: Drainage area.
GAGE.--Water-stage recorder. Elevation of gage is 890 ft above National Geodetic Vertical Datum of 1929 (from topographic map).
REMARKS.--Estimated daily discharges: Dec. 27, Jan. 28-30, July 13, 14, 20-27, 30, 31, and Aug. 5-9. Records fair.
AVERAGE DISCHARGE.--12 years (water years 1975-86), 198 ft^3/s, 22.60 in/yr.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 14,100 ft^3/s Mar. 4, 1979, gage height, 14.18 ft; minimum daily discharge, 9.8 ft^3/s Aug. 18, 1986.
EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of May 28, 1973, reached a stage of 15.45 ft, from floodmarks; discharge, 18,400 ft^3/s from rating curve extended above 3,100 ft^3/s on basis of slope-area measurements at gage heights 8.66 and 15.45 ft.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 2,500 ft^3/s, and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)
Aug. 21	0130	*1,620	*4.60

Minimum daily discharge, 9.8 ft^3/s Aug. 18.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	182	78	126	231	84	88	82	60	102	85	31	41
2	134	80	128	142	82	84	81	58	75	94	23	48
3	88	75	102	120	82	84	80	55	59	90	18	392
4	76	75	91	109	80	82	79	54	54	47	13	179
5	65	68	85	104	106	81	78	54	54	37	11	120
6	59	66	82	95	115	81	78	54	52	33	10	84
7	57	64	77	93	109	77	78	54	55	29	10	74
8	55	64	75	88	97	76	99	55	54	27	10	64
9	53	61	73	84	92	75	115	52	57	25	12	59
10	51	61	72	88	90	76	85	49	60	23	26	57
11	62	61	72	84	90	79	79	49	69	21	20	55
12	58	60	102	82	84	78	77	49	54	20	17	124
13	49	61	203	81	81	315	75	50	48	19	14	60
14	50	60	144	78	88	303	73	50	44	18	12	42
15	50	60	111	78	140	237	74	48	41	28	12	36
16	50	60	97	76	110	164	70	58	43	22	14	34
17	49	67	91	76	124	129	69	62	38	39	13	34
18	47	69	85	79	290	111	69	52	36	25	9.8	32
19	46	65	80	101	194	230	67	57	34	19	16	34
20	47	65	78	89	149	187	69	72	31	18	66	34
21	58	72	75	82	128	143	82	59	30	17	379	33
22	87	99	73	80	115	123	78	51	27	17	49	32
23	94	84	75	79	106	112	70	48	26	17	32	32
24	122	76	73	76	102	103	67	46	25	16	26	31
25	112	73	70	78	100	97	65	46	24	15	23	30
26	79	72	71	120	93	94	64	47	23	15	22	30
27	69	72	68	101	99	92	63	141	20	32	47	29
28	85	76	71	90	94	89	63	127	18	36	46	27
29	70	110	70	90	---	85	72	123	22	21	31	29
30	64	147	68	90	---	83	63	81	111	16	25	27
31	63	---	220	86	---	83	---	115	---	12	29	---
TOTAL	2231	2201	2908	2950	3124	3741	2264	1976	1386	933	1066.8	1903
MEAN	72.0	73.4	93.8	95.2	112	121	75.5	63.7	46.2	30.1	34.4	63.4
MAX	182	147	220	231	290	315	115	141	111	94	379	392
MIN	46	60	68	76	80	75	63	46	18	12	9.8	27
CFSM	.61	.62	.79	.80	.94	1.02	.63	.54	.39	.25	.29	.53
IN.	.70	.69	.91	.92	.98	1.17	.71	.62	.43	.29	.33	.59

CAL YR 1985 TOTAL 43282.0 MEAN 119 MAX 1460 MIN 39 CFSM 1.00 IN 13.53
WTR YR 1986 TOTAL 26683.8 MEAN 73.1 MAX 392 MIN 9.8 CFSM .61 IN 8.34

02382500 COOSAWATTEE RIVER AT CARTERS, GA.

LOCATION.--Lat 34°36'13", long 84°41'44", Murray County, Hydrologic Unit 03150102, on downstream side of left bank pier of bridge 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 mi^2.

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 0.4 mi upstream at datum 2.00 ft higher.

REMARKS.--No estimated daily discharges. 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.--39 years (water years 1897-1908, 1919-23, 1962-71, 1975-86), 1,202 ft^3/s, 31.33 in/yr, adjusted for storage since 1975.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge observed, 28,500 ft^3/s Nov. 19, 1906, gage height, 30.6 ft, present datum; minimum daily, 122 ft^3/s, regulated Nov. 15, 1974; minimum discharge observed prior to regulation, 184 ft^3/s several days during September to November 1904.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Mar. 29 or 30, 1951, reached a stage of about 36 ft, from floodmarks; discharge 57,000 ft^3/s, from rating curve extended above 24,000 ft^3/s.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,770 ft^3/s Dec. 3, gage height, 6.86 ft; minimum daily, 279 ft^3/s Oct. 28.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	450	409	685	480	506	806	442	592	355	335	373	361
2	465	431	745	450	465	825	453	494	332	352	361	341
3	477	415	889	446	426	708	471	441	347	365	340	343
4	501	405	853	462	488	596	461	414	318	358	324	392
5	482	402	933	473	507	646	398	458	350	383	312	424
6	459	404	952	581	496	525	393	442	393	393	317	416
7	425	377	988	566	517	396	425	395	384	367	323	372
8	464	387	868	633	550	391	440	408	389	389	347	327
9	375	392	784	643	513	357	445	385	416	376	326	298
10	292	385	779	630	451	321	433	400	439	359	326	309
11	326	406	801	630	579	382	415	360	438	355	301	333
12	334	436	808	614	664	558	418	349	444	384	286	351
13	330	440	904	576	655	656	397	401	354	355	307	349
14	333	434	972	560	684	798	427	433	403	330	328	340
15	354	443	885	593	724	978	489	441	335	330	354	332
16	373	467	710	602	724	872	498	459	371	372	353	366
17	386	405	834	629	694	781	463	403	389	373	321	357
18	382	616	843	539	795	763	448	362	389	378	327	331
19	376	725	703	430	836	791	432	359	398	398	378	367
20	347	728	610	464	930	843	396	360	411	371	378	387
21	348	721	615	452	839	924	540	335	432	327	358	376
22	358	749	624	439	882	885	738	346	413	309	347	341
23	353	768	627	434	849	860	722	411	368	349	368	336
24	367	690	577	509	1030	877	729	443	368	363	366	372
25	363	663	548	481	1290	882	788	424	389	362	344	386
26	354	708	506	432	1290	809	830	377	404	371	353	388
27	316	720	518	467	1250	801	809	358	387	374	346	371
28	279	730	536	513	1140	773	719	373	363	356	345	348
29	293	693	523	470	---	645	691	392	304	389	363	323
30	386	711	497	488	---	603	587	409	305	392	390	336
31	420	---	498	494	---	531	---	394	---	376	383	---
TOTAL	11768	16260	22615	16180	20774	21583	15897	12618	11388	11291	10645	10673
MEAN	380	542	730	522	742	696	530	407	380	364	343	356
MAX	501	768	988	643	1290	978	830	592	444	398	390	424
MIN	279	377	497	430	426	321	393	335	304	309	286	298
MEAN†	499	501	642	543	749	775	515	408	286	232	221	346
CFSM†	.96	.96	1.23	1.04	1.44	1.49	.99	.78	.55	.45	.42	.66
IN†	1.11	1.07	1.42	1.20	1.50	1.72	1.10	.90	.61	.52	.48	.74

CAL YR 1985 TOTAL 235557 MEAN 645 MAX 1810 MIN 251 MEAN† 689 CFSM† 1.32 IN† 17.96
WTR YR 1986 TOTAL 181692 MEAN 498 MAX 1290 MIN 279 MEAN† 475 CFSM† .91 IN† 12.38

†ADJUSTED FOR CHANGE IN CONTENTS IN CARTERS LAKE AND CARTERS RE-REGULATION DAM.

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 highway bridge, 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 mi^2.

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.--No estimated daily discharges. Records good. Flow regulated by Carters Lake and Carters Re-regulation Dam. (See "Lakes and Reservoirs in Mobile River Basin," stations 02381400 and 02382400.

AVERAGE DISCHARGE.--48 years, 1,488 ft^3/s, 24.32 in/yr, unadjusted.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 40,200 ft^3/s Mar. 30, 1951, gage height, 34.2 ft at current base gage, 30 ft at current auxiliary gage; minimum daily, 188 ft^3/s Sept. 11, 1976, minimum unregulated daily discharge, 220 ft^3/s Oct. 26, 1941.

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 ft^3/s.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,880 ft^3/s Feb. 18, maximum gage height, 10.61 ft Feb. 18; minimum daily discharge, 325 ft^3/s Aug. 13.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	636	522	1110	1250	640	1140	644	696	461	491	614	427
2	951	545	1090	837	608	1060	626	655	411	491	428	402
3	668	553	1220	691	561	1010	646	550	428	469	406	440
4	655	527	1150	677	586	826	644	497	403	448	368	682
5	616	518	1160	630	672	821	582	511	390	431	361	846
6	576	518	1210	686	678	870	533	565	450	465	344	607
7	520	490	1240	759	721	584	570	475	450	417	358	499
8	529	479	1140	785	713	559	606	497	457	442	369	432
9	556	489	1010	798	706	532	703	486	471	434	378	390
10	372	481	973	794	608	491	642	479	517	413	385	352
11	401	480	987	785	638	506	597	456	538	399	357	374
12	414	515	1050	784	854	599	576	424	548	420	339	476
13	415	554	1610	715	800	1710	563	454	467	415	325	503
14	416	531	1520	702	856	2070	548	490	436	385	360	439
15	425	537	1300	707	1210	1980	609	509	442	385	378	391
16	448	554	966	714	1120	1580	657	522	393	399	398	407
17	462	551	1080	767	1360	1280	600	515	456	418	368	429
18	461	611	1060	725	2540	1160	587	461	441	403	347	383
19	464	916	1010	580	1680	1580	568	432	461	433	387	382
20	440	898	752	581	1450	1840	535	481	457	427	440	435
21	427	920	773	590	1310	1480	550	433	483	364	596	429
22	488	1020	757	546	1250	1300	897	402	504	355	489	405
23	547	1050	770	525	1220	1160	900	454	449	353	433	367
24	703	941	758	571	1210	1130	879	502	450	426	433	401
25	745	837	657	608	1550	1120	904	505	449	521	390	423
26	540	880	645	734	1590	1080	977	465	468	417	391	432
27	469	896	593	687	1570	1010	992	445	446	439	404	433
28	430	921	631	671	1500	1070	876	502	450	403	416	387
29	427	923	641	655	---	871	874	606	386	428	439	370
30	429	1130	598	638	---	827	755	565	630	441	440	376
31	562	---	755	640	---	764	---	523	---	418	439	---
TOTAL	16192	20787	30216	21832	30201	34010	20640	15557	13792	13150	12580	13319
MEAN	522	693	975	704	1079	1097	688	502	460	424	406	444
MAX	951	1130	1610	1250	2540	2070	992	696	630	521	614	846
MIN	372	479	593	525	561	491	533	402	386	353	325	352

CAL YR 1985 TOTAL 336919 MEAN 923 MAX 4840 MIN 372 MEAN† 967 CFSM† 1.16 IN† 15.80
WTR YR 1986 TOTAL 242276 MEAN 664 MAX 2540 MIN 325 MEAN† 641 CFSM† .77 IN† 10.48

†ADJUSTED FOR CHANGE IN CONTENTS IN CARTERS LAKE AND CARTERS RE-REGULATION DAM.

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 mi^2.
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 determination of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen is by the U.S. Geological Survey. Flow regulated by Carters Lake and Carters re-regulatation 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 1985 TO SEPTEMBER 1986

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM)	PH (STAND-ARD UNITS)	PH LAB (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	TEMPER-ATURE, AIR (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)
OCT										
30...	1030	438	96	90	7.20	7.50	17.0	17.0	7.0	74
NOV										
19...	1030	981	58	64	7.00	7.20	18.0	23.5	6.8	73
DEC										
18...	1300	1070	--	63	7.00	7.30	4.5	2.0	8.6	--
JAN										
30...	1300	664	85	78	7.30	7.50	4.0	2.0	10.6	81
FEB										
27...	1300	1630	--	56	7.50	7.20	12.0	13.0	9.8	--
MAR										
26...	1345	1130	76	69	7.50	7.20	15.5	25.0	8.8	88
APR										
30...	1230	757	67	64	7.40	7.30	21.0	28.5	7.5	85
MAY										
28...	1030	463	88	94	7.50	7.30	20.0	26.5	8.2	92
JUN										
24...	0900	428	65	67	7.30	6.90	21.0	29.0	8.0	91
JUL										
30...	1000	421	62	62	7.20	7.30	25.0	30.0	5.9	73
AUG										
26...	0900	378	62	61	7.20	7.40	24.0	29.0	7.3	88
SEP										
24...	0930	389	74	76	7.20	7.60	25.0	27.5	7.6	94

DATE	TUR-BID-ITY (NTU)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, FECAL, EC BROTH (MPN)	HARD-NESS (MG/L AS CACO3)	HARD-NESS NONCARB WH WAT TOT LAB MG/L AS CACO3	ALKA-LINITY 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...	10	1.9	110	36	1	35	0.210	0.060	<0.020	12
NOV										
19...	10	1.1	700	22	1	21	0.160	0.050	0.040	3.9
DEC										
18...	12	1.7	80	22	0	29	0.250	0.090	0.080	1.9
JAN										
30...	5.0	0.4	50	36	6	30	0.280	0.060	<0.020	1.3
FEB										
27...	7.0	1.1	45	22	2	20	0.140	0.030	0.020	3.8
MAR										
26...	20	1.4	170	26	0	26	0.280	0.040	<0.020	3.9
APR										
30...	10	1.1	80	24	1	23	0.200	0.090	<0.020	6.3
MAY										
28...	11	1.4	330	38	3	35	0.280	0.100	<0.020	4.4
JUN										
24...	10	1.6	--	24	1	23	0.210	0.040	0.040	2.4
JUL										
30...	15	1.6	80	20	0	22	0.210	0.070	0.020	3.7
AUG										
26...	15	--	130	20	0	22	0.220	0.050	<0.020	22
SEP										
24...	7.0	1.1	130	28	7	21	0.220	0.060	0.040	2.5

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 mi^2.
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.--Estimated daily discharges: Jan. 28, 29. Records good, except those for the period Feb. 17 to Mar. 14, which are fair.
AVERAGE DISCHARGE.--5 years (1982-86), 438 ft^3/s, 23.60 in/yr.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 25,200 ft^3/s Mar. 17, 1973, gage height, 18.59 ft, present datum; minimum discharge, 28 ft^3/s July 22, 23, 1986.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 3,800 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)
Feb. 19	0100	*3,030	*10.21

Minimum discharge, 28 ft^3/s July 22, 23, gage height, 2.01 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	93	99	692	303	138	207	198	112	97	776	44	43
2	255	129	545	264	136	190	190	107	89	150	38	50
3	191	173	387	223	135	182	174	103	83	96	35	197
4	128	160	299	197	133	176	169	100	79	76	34	172
5	103	241	252	178	134	167	163	99	79	66	33	970
6	86	272	225	163	159	161	157	98	74	58	31	282
7	75	199	196	152	165	154	154	98	72	53	32	146
8	70	168	177	144	159	148	162	112	71	50	37	101
9	68	146	164	134	149	140	201	114	68	48	67	83
10	65	130	154	131	147	138	169	97	72	45	130	74
11	64	120	153	132	219	148	151	92	81	41	85	69
12	63	112	404	126	211	183	146	91	70	40	63	108
13	61	105	938	120	171	775	143	93	69	41	64	231
14	60	100	848	116	181	2050	139	94	68	46	54	147
15	60	96	520	114	381	1410	136	91	60	53	51	99
16	59	93	378	113	287	878	132	87	58	51	47	83
17	58	107	306	110	471	564	128	96	55	43	58	73
18	57	147	265	110	2270	431	127	114	52	38	91	69
19	56	115	232	123	1980	683	125	104	50	36	73	66
20	55	105	208	149	753	828	123	138	51	34	57	64
21	57	101	195	127	541	542	140	123	55	33	55	63
22	71	118	177	118	430	425	168	99	53	30	55	61
23	143	170	173	115	358	361	140	91	47	29	58	60
24	259	170	168	110	309	319	128	87	46	39	49	63
25	254	156	158	112	298	285	124	91	44	95	44	59
26	204	142	145	205	259	258	122	112	42	71	40	58
27	151	136	123	234	246	244	120	115	41	48	39	56
28	126	174	149	160	233	228	119	187	41	44	38	53
29	111	541	138	150	---	214	121	159	40	54	43	52
30	96	963	123	174	---	202	124	126	321	61	47	50
31	92	---	143	149	---	193	---	107	---	54	44	---
TOTAL	3291	5488	9035	4756	11053	12884	4393	3337	2128	2399	1636	3702
MEAN	106	183	291	153	395	416	146	108	70.9	77.4	52.8	123
MAX	259	963	938	303	2270	2050	201	187	321	776	130	970
MIN	55	93	123	110	133	138	119	87	40	29	31	43
CFSM	.42	.73	1.16	.61	1.57	1.65	.58	.43	.28	.31	.21	.49
IN.	.49	.81	1.33	.70	1.63	1.90	.65	.49	.31	.35	.24	.55

CAL YR 1985 TOTAL 106827 MEAN 293 MAX 7520 MIN 55 CFSM 1.16 IN 15.77
WTR YR 1986 TOTAL 64102 MEAN 176 MAX 2270 MIN 29 CFSM .70 IN 9.46

02384540 MILL CREEK NEAR CRANDALL, GA.

LOCATION.--Lat 34°52'19", long 84°43'17", Murray County, Hydrologic Unit 03150101, on right bank, 1.3 mi upstream from Cohorn Creek, and 1.4 mi northeast of Crandall.
DRAINAGE AREA.--8.27 mi^2.

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.--No estimated daily discharges. Records good, except those below 2.0 ft^3/s, which are fair.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 272 ft^3/s Feb. 1, 1985, gage height, 3.39 ft; minimum daily discharge, 0.69 ft^3/s July 23, 1986.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 300 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)
Feb. 18	0400	*179	*3.05

Minimum daily discharge, 0.69 ft^3/s July 23.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15	7.3	40	13	6.6	8.6	8.1	3.9	2.5	5.0	1.2	2.7
2	8.5	8.4	31	11	6.5	8.1	7.9	3.7	2.4	3.7	1.1	11
3	4.8	9.1	23	11	6.5	12	7.7	3.5	2.2	2.6	.91	12
4	3.8	22	19	10	6.3	9.6	7.4	3.4	2.2	2.0	.79	42
5	3.0	29	15	9.5	8.1	9.1	6.7	3.4	2.1	1.6	.73	30
6	2.6	18	13	8.9	7.9	7.1	6.5	3.4	1.9	1.5	.72	13
7	2.5	15	11	7.3	7.7	6.6	6.7	4.3	2.1	1.4	1.0	8.0
8	2.5	13	10	6.6	7.3	6.3	8.5	4.2	1.9	1.9	10	5.8
9	2.5	12	10	7.3	7.0	6.0	7.6	3.4	2.0	2.4	14	4.6
10	2.5	10	16	6.4	7.8	6.0	6.4	3.1	1.9	1.5	4.0	4.2
11	2.5	9.1	20	6.1	9.8	7.9	5.9	3.0	1.8	1.5	2.6	3.7
12	2.4	8.2	29	5.8	8.2	6.5	5.7	3.0	2.7	1.7	2.2	39
13	2.6	7.6	67	5.6	7.7	72	5.7	3.0	2.2	1.6	2.2	18
14	2.7	7.0	49	5.5	9.5	60	5.4	2.9	1.9	2.2	2.0	11
15	2.8	6.5	30	5.2	12	55	5.3	2.7	1.7	1.8	1.6	8.3
16	2.9	6.8	22	5.0	11	35	5.0	2.7	1.6	1.5	9.9	7.0
17	2.8	11	18	5.0	36	24	4.9	2.5	1.5	1.3	16	6.0
18	2.8	8.1	15	5.5	122	19	4.8	2.6	1.4	1.2	6.1	5.0
19	2.8	7.6	13	6.5	50	35	4.7	4.0	4.9	.97	3.7	4.6
20	2.8	7.2	12	5.4	32	31	4.9	5.3	5.9	.83	2.9	4.4
21	3.9	7.2	11	5.0	28	23	7.5	3.1	2.5	.77	4.0	4.0
22	5.6	11	12	5.0	24	19	6.4	2.6	1.8	.71	3.0	4.7
23	18	10	9.9	4.7	21	16	5.2	2.4	1.5	.69	2.3	5.7
24	15	9.8	9.4	4.5	19	14	4.8	2.3	1.3	1.3	2.0	4.2
25	11	9.2	8.4	6.7	14	12	4.4	3.5	1.4	3.1	1.9	3.7
26	7.9	8.8	10	12	13	11	4.3	3.4	1.2	1.5	1.7	3.5
27	6.3	11	13	8.4	11	11	4.3	7.5	1.2	1.2	2.0	3.2
28	5.8	23	8.3	9.5	9.5	9.6	4.9	5.0	1.4	1.2	2.6	2.9
29	5.1	58	7.8	9.6	---	9.0	5.2	4.1	1.8	2.9	2.0	2.8
30	5.0	66	7.6	7.4	---	8.6	4.5	3.3	20	1.6	1.6	2.7
31	5.0	---	13	6.8	---	8.3	---	2.8	---	1.0	2.0	---
TOTAL	163.4	436.9	573.4	226.2	509.4	566.3	177.3	108.0	80.9	54.17	108.75	277.7
MEAN	5.27	14.6	18.5	7.30	18.2	18.3	5.91	3.48	2.70	1.75	3.51	9.26
MAX	18	66	67	13	122	72	8.5	7.5	20	5.0	16	42
MIN	2.4	6.5	7.6	4.5	6.3	6.0	4.3	2.3	1.2	.69	.72	2.7
CFSM	.64	1.77	2.24	.88	2.20	2.21	.72	.42	.33	.21	.42	1.12
IN.	.73	1.97	2.58	1.02	2.29	2.55	.80	.49	.36	.24	.49	1.25

WTR YR 1986 TOTAL 3282.42 MEAN 8.99 MAX 122 MIN .69 CFSM 1.09 IN 14.76

02384540 MILL CREEK NEAR CRANDALL, GA.--Continued

WATER-QUALITY RECORDS

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: March 1985 to current year.
pH: March 1985 to current year.
WATER TEMPERATURE: March 1985 to current year.
DISSOLVED OXYGEN: March 1985 to current year.
INSTRUMENTATION.--Water-quality monitor. Specific Conductance, pH, Water Temperature, and Dissolved Oxygen recorded hourly.
REMARKS.--Collection of continuous water-quality data at this site began March 27, 1985. Unpublished records for the period March 27-31, 1985 are available from the Georgia District files or the National files. Diurnal fluctuations of specific conductance occur in October 1985 during low flow periods due to ground water from the vicinity of the stream-gage stilling well discharging directly into the stream at the location of the water-quality monitor probes.
EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum, 137 microsiemens Oct. 8, 1985; minimum, 14 microsiemens Dec. 10, 1985.
pH: Maximum recorded, 8.7 units June 14, 1985; minimum recorded, 5.9 units Sept. 5, 1985.
WATER TEMPERATURE: Maximum recorded, 25.0°C June 28, July 10, 26, 27, 29, 1986; minimum recorded, 0.5°C Dec. 21, 22, 25, 26, 27, 29, 30, 1985.
DISSOLVED OXYGEN: Maximum recorded, 14.5 mg/L Jan. 9, 1986; minimum recorded, 5.0 mg/L Sept. 27, 1985.
EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum, 137 microsiemens Oct. 8; minimum, 14 microsiemens Dec. 10.
pH: Maximum recorded, 7.4 units June 16; minimum recorded, 5.9 units Sept. 5.
WATER TEMPERATURE: Maximum recorded, 25.0°C June 28, July 10, 26, 27, 29; minimum recorded, 0.5°C Dec. 21, 22, 25, 26, 27, 29, 30.
DISSOLVED OXYGEN: Maximum recorded, 14.5 mg/L Jan. 9; minimum recorded, 6.7 mg/L Aug. 6.

02384540 MILL CREEK NEAR CRANDALL, GA.--Continued

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	32	22	32	22	20	18	25	24	26	23	22	21
2	33	24	25	22	21	19	25	23	25	22	22	20
3	40	22	25	22	20	17	24	22	26	23	21	18
4	59	22	24	19	19	17	24	21	26	23	20	19
5	134	25	19	18	19	18	23	20	28	24	21	19
6	132	26	19	18	20	18	31	19	34	25	22	20
7	48	25	20	19	21	19	24	20	58	30	22	21
8	137	24	21	19	21	19	30	19	57	31	22	21
9	31	23	20	19	21	18	69	31	57	30	22	20
10	86	23	21	20	19	14	31	23	54	39	22	21
11	110	24	22	21	24	15	24	20	41	28	25	22
12	92	24	23	21	25	21	29	24	37	33	24	22
13	34	24	35	21	21	18	---	---	46	34	28	21
14	50	24	32	22	19	17	---	---	51	28	22	20
15	30	25	29	22	19	17	---	---	29	26	22	20
16	44	25	45	21	18	17	---	---	32	28	22	20
17	37	29	28	21	18	17	---	---	31	22	22	20
18	51	28	29	20	18	17	---	---	23	21	21	20
19	50	29	39	19	19	18	---	---	22	20	25	21
20	80	28	36	19	19	18	---	---	23	21	23	21
21	47	31	24	21	22	18	---	---	21	19	22	21
22	44	29	22	20	25	18	---	---	21	19	22	20
23	44	29	22	20	22	20	---	---	21	19	22	20
24	29	25	20	19	23	20	27	23	22	19	22	20
25	33	24	22	21	24	20	26	23	22	19	22	21
26	34	26	28	21	---	---	31	23	21	20	---	---
27	29	26	24	20	---	---	35	28	21	20	---	---
28	45	26	24	21	---	---	36	23	21	20	---	---
29	36	25	21	18	---	---	25	21	---	---	23	18
30	30	26	23	18	---	---	27	23	---	---	23	19
31	33	24	---	---	---	---	27	24	---	---	24	20
MONTH	137	22	45	18	25	14	69	19	58	19	28	18
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	24	22	28	26	30	27	41	33	37	34	36	34
2	26	23	28	26	30	28	36	32	37	33	40	34
3	28	23	27	25	30	20	35	31	36	33	38	29
4	27	23	28	26	30	28	34	32	36	33	37	27
5	27	23	27	25	30	28	34	31	36	33	32	28
6	28	24	27	25	30	28	34	31	37	33	32	28
7	29	25	38	26	30	28	34	32	38	35	33	27
8	30	26	31	27	30	29	44	30	46	24	32	28
9	28	21	27	25	31	29	40	36	27	25	33	27
10	25	22	27	25	30	29	38	35	28	26	36	26
11	25	22	27	25	32	28	38	33	31	28	35	28
12	26	24	27	26	33	29	35	32	31	29	36	26
13	26	22	37	26	30	29	34	32	32	29	34	28
14	27	23	33	26	30	28	36	31	34	31	40	24
15	27	24	27	24	31	28	35	30	34	31	38	24
16	26	24	38	26	30	28	33	30	42	31	37	24
17	27	24	31	27	31	28	33	31	34	27	39	25
18	26	24	30	28	31	27	---	---	30	28	35	25
19	27	25	43	28	30	25	---	---	31	28	32	27
20	30	25	41	28	30	22	---	---	33	28	39	24
21	30	26	30	27	30	20	---	---	32	28	35	24
22	27	24	29	27	33	24	---	---	33	28	35	25
23	27	24	29	28	28	25	---	---	33	30	36	23
24	28	25	29	28	36	26	---	---	33	29	30	24
25	28	24	30	28	35	24	46	34	33	28	35	26
26	27	25	30	27	38	27	38	36	37	33	36	26
27	31	25	38	28	36	26	38	35	43	33	36	27
28	29	26	29	28	42	29	38	35	36	31	35	26
29	28	26	29	27	33	27	39	32	38	30	41	27
30	29	24	29	27	41	26	35	32	34	33	31	26
31	---	---	29	27	---	---	35	33	34	33	---	---
MONTH	31	21	43	24	42	20	46	30	46	24	41	23
YEAR	137	14										

02384540 MILL CREEK NEAR CRANDALL, GA.--Continued

PH (STANDARD UNITS), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	7.2	6.4	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8
2	7.3	6.3	6.8	6.8	6.8	6.7	6.8	6.8	6.8	6.7	6.9	6.8
3	7.3	7.2	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.7	7.0	6.9
4	7.2	7.2	6.8	6.7	6.8	6.8	6.8	6.8	6.8	6.8	6.9	6.9
5	7.2	7.1	6.7	6.7	6.8	6.8	6.8	6.7	6.8	6.8	6.9	6.9
6	7.1	7.0	6.7	6.7	6.8	6.7	6.7	6.7	6.9	6.8	6.9	6.9
7	7.1	6.9	6.7	6.7	6.7	6.7	6.7	6.6	6.9	6.8	7.0	6.8
8	7.1	7.0	6.7	6.7	6.7	6.7	6.7	6.7	6.9	6.9	7.0	6.9
9	7.1	7.1	6.7	6.7	6.8	6.7	6.7	6.7	6.9	6.8	7.1	6.9
10	7.1	7.1	6.8	6.7	6.8	6.7	6.8	6.7	6.9	6.8	7.2	7.1
11	7.1	7.1	6.8	6.8	6.8	6.7	6.8	6.7	6.9	6.8	7.2	7.1
12	7.1	7.1	6.8	6.8	6.7	6.7	6.8	6.6	6.8	6.7	7.2	7.1
13	7.1	7.1	6.8	6.8	6.7	6.7	---	---	6.8	6.7	7.1	6.9
14	7.1	7.1	6.8	6.8	6.7	6.7	---	---	6.8	6.8	6.9	6.8
15	7.1	7.1	6.8	6.8	6.7	6.7	---	---	6.8	6.7	6.8	6.7
16	7.1	7.0	6.8	6.8	6.7	6.6	---	---	6.7	6.7	6.8	6.7
17	6.9	6.9	6.8	6.7	6.8	6.8	---	---	6.7	6.7	6.8	6.8
18	6.9	6.8	6.7	6.7	6.9	6.8	---	---	6.7	6.7	6.9	6.8
19	6.8	6.8	6.7	6.7	6.8	6.8	---	---	6.7	6.7	6.9	6.9
20	6.8	6.8	6.7	6.7	6.9	6.8	---	---	6.7	6.7	6.9	6.8
21	6.8	6.7	6.7	6.5	6.8	6.8	---	---	6.7	6.7	6.8	6.8
22	6.7	6.7	6.7	6.6	6.8	6.8	---	---	6.7	6.7	---	---
23	6.7	6.7	6.6	6.6	6.8	6.8	---	---	6.7	6.7	---	---
24	6.7	6.7	6.6	6.6	6.8	6.8	6.9	6.8	6.7	6.7	---	---
25	6.7	6.7	6.6	6.6	6.8	6.8	6.9	6.8	6.9	6.7	---	---
26	6.8	6.7	6.6	6.6	6.8	6.8	6.9	6.8	7.0	6.8	---	---
27	6.8	6.7	6.7	6.7	6.8	6.8	6.9	6.8	7.0	7.0	---	---
28	6.8	6.7	6.7	6.7	6.8	6.8	6.9	6.8	7.0	6.8	---	---
29	6.8	6.7	6.8	6.7	6.8	6.8	6.9	6.8	---	---	7.0	7.0
30	6.8	6.8	6.8	6.8	6.8	6.8	6.9	6.8	---	---	7.0	7.0
31	6.8	6.8	---	---	6.8	6.8	6.8	6.8	---	---	7.0	7.0
MONTH	7.3	6.3	6.8	6.5	6.9	6.6	6.9	6.6	7.0	6.7	7.2	6.7
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	7.0	7.0	6.8	6.7	7.1	7.0	7.0	6.8	7.0	7.0	6.7	6.6
2	7.0	7.0	6.8	6.7	7.1	6.9	7.2	6.9	7.0	7.0	6.7	6.7
3	7.1	7.0	6.9	6.8	7.1	6.9	7.2	7.0	7.0	7.0	6.7	6.7
4	7.1	7.0	7.0	6.8	7.1	6.9	7.2	7.0	7.0	6.9	6.9	6.6
5	7.1	7.0	6.9	6.8	7.2	6.9	7.2	7.0	7.0	7.0	6.8	5.9
6	7.0	7.0	6.9	6.8	7.1	6.9	7.2	6.9	7.0	6.9	6.6	6.1
7	7.1	7.0	6.9	6.7	7.1	6.9	7.1	7.0	7.0	6.9	6.6	6.6
8	7.1	7.0	7.0	6.8	7.1	6.9	7.1	7.0	7.0	6.9	6.7	6.7
9	7.1	7.0	7.1	6.8	7.2	6.9	7.1	6.8	7.0	6.9	6.7	6.7
10	7.1	7.0	7.1	6.8	7.2	6.9	7.1	7.0	7.0	6.9	6.8	6.7
11	7.1	7.0	7.0	6.8	7.2	6.9	7.1	7.0	7.0	6.9	6.8	6.7
12	7.2	7.0	7.0	6.8	7.2	7.0	7.1	6.9	6.9	6.9	6.8	6.4
13	7.2	6.9	7.0	6.8	7.3	7.0	7.2	6.9	7.0	6.9	6.8	6.6
14	7.1	6.9	7.0	6.9	7.2	6.9	7.1	7.0	6.9	6.9	6.8	6.7
15	7.1	7.0	7.0	6.9	7.3	6.9	7.1	6.9	6.9	6.9	6.8	6.6
16	7.2	6.9	7.0	6.9	7.4	7.0	7.1	6.9	7.0	6.9	6.8	6.5
17	7.1	7.0	7.1	6.9	7.3	6.9	7.1	6.9	7.1	6.9	6.7	6.3
18	7.1	6.9	7.2	7.0	7.3	6.9	---	---	7.0	6.9	6.7	6.6
19	7.1	6.8	7.2	7.0	7.2	6.7	---	---	6.9	6.9	6.8	6.7
20	7.0	6.8	7.2	7.0	6.9	6.6	---	---	6.9	6.9	6.8	6.7
21	7.0	6.9	7.2	7.0	7.0	6.7	---	---	6.9	6.8	6.8	6.7
22	7.0	6.8	7.2	7.0	7.1	6.8	---	---	6.9	6.8	6.8	6.7
23	6.9	6.8	7.1	7.0	7.3	6.8	---	---	6.9	6.9	6.8	6.7
24	7.0	6.8	7.1	7.0	7.2	6.8	---	---	6.9	6.9	6.9	6.8
25	7.0	6.8	7.1	7.0	7.2	6.9	7.2	7.1	6.9	6.9	6.9	6.8
26	7.0	6.8	7.1	6.9	7.1	6.8	7.2	7.1	6.9	6.9	6.9	6.8
27	7.0	6.8	7.3	6.9	7.2	6.9	7.1	7.1	7.0	6.6	6.9	6.7
28	6.9	6.8	7.1	6.9	7.2	6.8	7.1	7.1	6.7	6.6	6.9	6.7
29	6.9	6.7	7.0	6.9	7.0	6.8	7.1	7.0	6.7	6.7	6.8	6.8
30	6.9	6.7	7.1	6.9	6.9	6.6	7.0	7.0	6.7	6.7	6.9	6.8
31	---	---	7.1	6.9	---	---	7.1	7.0	6.7	6.6	---	---
MONTH	7.2	6.7	7.3	6.7	7.4	6.6	7.2	6.8	7.1	6.6	6.9	5.9
YEAR	7.4	5.9										

02384540 MILL CREEK NEAR CRANDALL, GA.--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	17.5	15.5	17.5	16.5	---	---	5.0	3.5	3.0	2.5	4.0	2.5
2	15.5	14.5	16.5	15.5	---	---	5.5	2.5	5.0	3.5	5.0	1.5
3	16.5	15.5	17.0	14.0	6.0	5.0	6.5	5.5	6.5	5.5	7.5	4.5
4	17.5	16.0	14.0	11.0	7.5	5.0	6.5	5.0	8.0	7.0	6.0	5.0
5	17.0	14.0	10.5	10.0	8.0	7.5	6.5	3.0	9.5	8.5	6.0	3.5
6	13.5	12.0	11.5	10.5	7.5	5.5	2.5	1.0	12.0	9.5	7.0	5.5
7	12.5	10.5	11.5	9.5	6.0	4.5	4.0	2.5	10.5	8.5	6.5	4.0
8	13.5	11.5	10.0	8.5	8.5	6.0	3.0	1.0	9.0	7.0	6.0	3.5
9	15.0	13.5	11.0	9.0	10.0	8.0	2.5	1.0	9.0	7.0	9.0	5.5
10	15.5	15.0	13.5	11.0	10.0	8.0	4.5	1.5	8.5	8.0	12.0	9.0
11	16.0	15.0	14.5	13.0	13.0	9.5	4.0	2.5	8.0	4.5	13.5	11.5
12	16.0	15.0	15.5	13.5	13.5	13.0	3.5	2.0	4.5	2.5	15.0	12.5
13	17.0	16.0	15.5	14.0	13.5	9.5	---	---	3.0	1.5	14.5	12.5
14	17.0	16.5	15.5	14.0	9.5	4.0	---	---	4.0	2.0	12.5	11.5
15	17.5	17.0	16.0	14.0	4.5	3.0	---	---	5.5	4.0	13.0	11.0
16	18.0	17.0	17.5	15.5	4.5	3.5	---	---	7.0	3.5	13.0	10.5
17	17.0	16.0	17.5	16.5	5.0	3.5	---	---	9.0	7.0	12.0	9.0
18	17.5	17.0	16.0	15.5	5.0	3.0	---	---	10.5	9.0	13.5	10.5
19	18.0	17.5	16.5	16.0	3.0	1.0	---	---	11.5	10.0	14.0	12.5
20	18.0	17.0	17.0	16.5	3.0	2.0	---	---	12.0	9.5	12.0	9.0
21	18.0	17.5	16.5	10.0	2.0	.5	---	---	13.0	11.0	8.5	6.5
22	18.0	17.5	15.5	15.0	2.5	.5	---	---	11.0	9.0	---	---
23	17.5	17.0	15.0	13.5	6.0	3.0	---	---	9.0	7.0	---	---
24	18.0	17.0	13.5	12.5	6.0	4.5	3.5	3.0	8.5	6.5	---	---
25	18.0	17.0	14.5	13.5	4.5	.5	3.5	3.0	7.5	5.5	---	---
26	17.5	16.5	15.5	14.5	1.5	.5	3.0	2.5	8.0	5.0	---	---
27	16.5	15.5	16.5	15.5	1.5	.5	3.0	2.5	8.0	7.0	---	---
28	17.0	16.0	17.0	16.5	2.0	1.0	2.5	1.5	6.5	4.0	---	---
29	16.5	16.0	16.5	16.0	1.0	.5	1.5	1.0	---	---	14.5	9.0
30	16.0	15.5	16.0	15.5	1.0	.5	1.5	1.5	---	---	15.5	10.5
31	17.0	16.0	---	---	5.0	1.0	2.0	2.0	---	---	15.5	10.5
MONTH	18.0	10.5	17.5	8.5	13.5	.5	6.5	1.0	13.0	1.5	15.5	1.5
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	16.0	11.5	18.0	14.0	21.5	18.5	22.5	21.0	24.5	21.5	19.0	18.0
2	16.5	11.5	16.5	14.0	22.0	19.5	22.5	21.5	23.5	21.0	19.5	19.0
3	16.5	12.5	15.0	12.0	21.0	19.5	22.5	20.0	24.0	21.0	20.5	19.0
4	17.5	13.5	15.5	10.0	20.5	19.5	22.0	19.0	23.5	20.0	20.0	19.0
5	18.0	14.0	18.0	13.0	22.0	19.5	24.0	21.0	23.5	20.0	20.5	18.5
6	18.0	15.0	19.0	15.5	21.5	19.5	24.0	21.0	25.0	21.5	20.5	19.0
7	18.5	15.0	18.5	16.0	22.5	20.0	24.0	21.0	24.5	22.0	20.0	18.0
8	16.5	15.0	20.0	16.0	22.5	20.5	24.5	21.5	23.5	21.0	20.0	18.0
9	14.5	11.0	20.0	15.5	23.5	20.5	24.5	21.5	22.0	19.5	20.0	17.0
10	13.0	8.5	19.0	16.5	23.5	21.0	25.0	22.0	22.5	20.5	20.5	19.0
11	14.0	8.5	18.5	16.0	24.0	21.5	24.5	22.0	22.5	21.0	21.0	19.5
12	14.0	9.5	17.5	16.0	24.0	22.0	24.5	22.0	22.0	20.0	21.0	19.0
13	16.0	10.5	18.0	15.5	22.5	20.0	24.0	22.0	22.0	20.5	19.0	17.5
14	16.0	12.0	19.5	16.0	22.0	19.5	24.0	21.5	22.0	20.5	19.5	17.0
15	17.0	14.0	19.5	17.0	23.0	19.5	23.5	21.0	23.0	21.0	20.0	18.0
16	14.5	10.5	20.0	17.5	23.5	20.0	24.5	21.5	23.5	21.0	20.0	18.5
17	11.0	9.5	21.0	16.5	23.0	20.0	24.5	22.5	22.0	20.5	20.0	18.0
18	14.0	8.5	20.0	18.5	23.5	20.0	---	---	23.0	20.5	20.0	18.5
19	16.5	10.5	19.0	17.0	22.0	19.5	---	---	23.0	20.5	20.5	19.0
20	15.0	13.5	18.0	16.0	22.5	19.0	---	---	23.0	21.5	21.0	19.0
21	14.0	12.0	17.0	14.5	24.0	20.0	---	---	22.0	21.0	21.5	19.5
22	12.5	9.5	16.5	12.5	24.5	21.0	---	---	23.0	20.5	21.5	19.5
23	12.0	7.5	18.0	15.0	24.0	20.5	---	---	23.0	21.0	22.0	20.0
24	13.0	7.0	18.0	16.0	23.5	21.5	---	---	23.5	21.5	22.0	20.0
25	15.5	9.5	18.0	17.0	24.0	20.0	24.0	21.5	23.0	20.5	22.0	20.0
26	17.5	12.0	19.0	17.0	23.5	19.5	25.0	22.0	24.0	21.5	22.0	20.0
27	19.0	14.0	19.5	18.0	24.0	21.0	25.0	22.5	23.5	22.0	22.0	20.0
28	16.0	14.0	20.0	18.5	25.0	22.0	24.0	22.0	22.0	19.5	22.0	20.0
29	17.0	13.0	21.0	18.5	24.0	22.5	25.0	22.5	19.5	18.0	22.0	20.0
30	17.5	12.5	21.5	18.0	22.5	21.0	24.5	21.5	18.5	18.0	22.5	21.5
31	---	---	21.0	18.5	---	---	22.5	20.5	18.5	17.5	---	---
MONTH	19.0	7.0	21.5	10.0	25.0	18.5	25.0	19.0	25.0	17.5	22.5	17.0
YEAR	25.0	.5										

02384540 MILL CREEK NEAR CRANDALL, GA.--Continued

OXYGEN, DISSOLVED (DO), MG/L, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	---	---	---	---	9.8	9.6	12.6	12.1	12.7	11.6	13.9	12.9
2	---	---	---	---	11.6	9.8	13.1	11.9	11.7	10.6	14.1	12.4
3	---	---	---	---	12.3	11.7	12.0	11.7	11.3	10.1	12.5	11.5
4	---	---	---	---	12.2	11.4	12.4	11.6	10.7	9.5	12.5	12.0
5	---	---	10.7	10.0	11.4	11.1	12.9	11.7	10.2	9.5	13.1	11.8
6	---	---	10.1	9.7	11.8	11.2	13.8	12.8	10.9	9.6	12.1	11.3
7	---	---	10.2	9.9	12.4	11.6	13.1	12.6	10.9	10.0	12.5	11.6
8	---	---	10.7	10.2	11.7	10.9	14.2	13.1	11.8	10.7	13.0	11.7
9	---	---	10.6	9.9	11.0	10.4	14.5	13.5	12.0	10.5	12.1	10.4
10	---	---	10.0	9.4	11.2	10.7	13.6	12.6	11.4	10.7	10.6	9.6
11	---	---	9.7	9.3	10.8	9.8	13.5	12.4	12.2	11.0	10.1	9.3
12	---	---	9.6	9.1	10.0	9.8	13.3	12.7	13.3	12.3	9.8	9.0
13	---	---	9.5	8.9	10.8	9.8	---	---	13.9	12.8	10.3	9.2
14	---	---	9.6	8.9	12.4	10.8	---	---	13.5	12.5	10.6	10.2
15	---	---	9.5	8.9	12.9	12.2	---	---	12.8	12.2	10.6	10.1
16	---	---	9.1	8.5	12.6	12.0	---	---	13.0	11.6	10.8	10.0
17	---	---	9.3	8.9	12.4	11.7	---	---	11.6	11.2	11.4	10.2
18	---	---	9.4	8.8	12.3	11.8	---	---	11.3	10.7	10.8	9.6
19	---	---	9.1	8.6	13.2	12.4	---	---	11.0	10.5	10.3	9.5
20	---	---	9.4	8.6	12.6	12.3	---	---	11.2	10.4	11.5	10.3
21	---	---	9.6	9.0	13.2	12.6	---	---	10.8	10.3	12.6	11.7
22	---	---	9.9	9.5	13.2	12.2	---	---	11.4	10.8	13.3	11.7
23	---	---	10.6	9.8	12.3	11.2	---	---	12.2	11.4	13.1	11.2
24	10.6	9.1	10.7	10.0	11.8	11.2	13.3	12.3	12.2	11.5	12.2	10.5
25	10.0	9.2	10.0	9.5	13.4	11.7	12.8	12.2	12.4	11.7	11.3	10.2
26	9.7	9.0	9.4	9.0	13.6	13.3	12.7	12.0	12.7	11.4	---	---
27	10.0	9.3	9.1	8.9	13.6	13.1	13.9	12.4	11.8	11.3	---	---
28	9.8	8.2	9.4	9.0	13.6	13.2	13.7	12.6	13.0	11.8	---	---
29	9.9	8.8	9.6	9.4	13.6	13.1	13.4	12.8	---	---	11.1	9.5
30	9.9	9.1	9.8	9.5	13.7	13.0	13.0	12.3	---	---	10.8	9.3
31	10.0	8.5	---	---	13.0	12.0	13.3	11.6	---	---	10.8	9.3
MONTH	10.6	8.2	10.7	8.5	13.7	9.6	14.5	11.6	13.9	9.5	14.1	9.0
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	10.7	9.2	9.4	8.2	8.8	7.8	8.6	8.1	8.7	7.3	8.8	8.2
2	10.6	9.3	9.5	8.5	8.6	7.4	8.4	8.0	8.7	7.6	8.6	8.2
3	10.5	9.2	9.9	8.9	8.7	7.8	8.8	7.8	8.6	7.4	8.7	8.2
4	10.3	9.0	10.5	9.0	8.8	7.9	9.0	7.9	8.8	7.4	8.7	8.3
5	10.2	8.9	9.8	8.6	8.8	7.8	8.8	7.7	8.9	7.1	8.8	8.3
6	9.8	8.8	9.4	8.3	8.8	7.7	8.8	7.5	8.5	6.7	8.7	8.2
7	9.7	8.7	9.2	8.5	8.7	7.7	8.8	7.6	8.3	7.0	9.2	8.2
8	9.5	8.9	9.1	7.9	8.5	7.6	8.8	7.5	8.7	7.6	9.2	8.1
9	10.6	9.4	9.1	8.0	8.7	7.5	8.5	7.4	8.9	8.1	9.6	8.4
10	11.2	9.7	9.1	8.1	8.7	7.5	8.6	7.5	8.5	7.9	9.2	8.1
11	11.1	9.4	9.1	8.2	8.6	7.5	8.5	7.5	8.5	7.8	9.2	7.9
12	10.7	9.3	9.0	8.3	8.6	7.4	8.5	7.6	8.7	7.8	9.4	8.3
13	10.4	8.8	9.0	8.4	9.0	8.0	8.6	7.6	8.7	7.8	9.8	9.2
14	10.1	8.9	8.9	8.0	9.0	8.0	8.7	7.6	8.8	7.8	9.9	9.1
15	9.6	8.6	8.7	7.9	9.1	7.7	8.9	7.6	8.6	7.7	9.6	8.7
16	10.4	9.0	8.6	7.9	9.0	7.8	8.8	7.6	8.6	7.7	9.5	8.7
17	10.9	10.2	8.6	7.8	9.1	7.7	8.6	7.6	8.6	8.2	9.6	8.7
18	11.2	9.4	8.6	8.0	8.6	7.5	---	---	8.4	7.8	9.6	8.8
19	10.8	9.1	8.8	8.2	8.8	7.8	---	---	8.5	7.6	9.5	8.5
20	10.1	9.3	9.1	8.5	8.8	7.8	---	---	8.4	7.5	9.6	8.4
21	10.3	9.7	9.5	8.7	8.5	7.4	---	---	8.3	7.7	9.5	8.2
22	11.1	10.2	9.8	8.6	8.6	7.4	---	---	8.6	7.5	9.5	8.3
23	11.6	10.1	9.3	8.4	8.7	7.3	---	---	8.6	7.7	9.4	8.3
24	11.5	9.5	9.1	8.4	8.6	7.3	---	---	8.6	7.4	9.4	8.3
25	10.8	9.0	9.1	8.4	8.7	7.5	8.5	7.5	8.9	7.7	9.5	8.3
26	10.0	8.5	8.9	8.2	8.9	7.3	8.5	7.3	8.8	7.7	9.5	8.4
27	9.6	8.1	8.8	8.2	8.7	7.3	8.5	7.3	8.4	7.2	9.4	8.4
28	9.5	8.4	8.7	8.2	8.4	7.1	8.5	7.4	8.6	7.5	9.5	8.5
29	9.6	8.4	8.7	7.9	8.3	7.4	8.3	7.3	9.3	8.2	9.5	8.4
30	9.6	8.2	8.7	---	8.8	7.7	8.5	7.5	9.1	8.2	9.2	8.4
31	---	---	8.8	7.8	---	---	8.9	7.7	9.0	8.4	---	---
MONTH	11.6	8.1	10.5	7.8	9.1	7.1	9.0	7.3	9.3	6.7	9.9	7.9
YEAR	14.5	6.7										

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 mi^2.
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 determination of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen is by the U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM)	PH (STAND-ARD UNITS)	PH LAB (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	TEMPER-ATURE, AIR (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)
OCT										
30...	1300	--	108	105	7.40	7.50	16.0	15.5	6.8	71
NOV										
19...	1330	--	95	103	7.50	7.30	18.0	24.5	6.6	71
DEC										
18...	1000	310	--	91	7.20	7.60	4.0	1.0	9.2	--
JAN										
30...	1015	190	--	117	7.50	7.60	--	1.0	10.8	--
FEB										
27...	0930	290	--	112	7.50	7.50	12.0	11.0	10.1	--
MAR										
26...	1030	315	120	111	7.60	7.40	14.0	18.0	9.6	93
APR										
30...	0915	98	124	120	7.50	7.40	18.0	21.5	7.9	84
MAY										
28...	1330	--	117	122	7.60	7.50	23.5	27.0	8.0	96
JUN										
24...	1045	8.1	137	142	7.50	6.90	27.0	30.5	6.6	84
JUL										
30...	1300	28	122	124	7.40	7.60	29.0	34.0	5.8	77
AUG										
26...	1245	10	126	123	7.90	7.60	28.0	30.0	6.8	88
SEP										
24...	1230	12	144	147	7.70	8.10	26.0	31.0	7.6	96

DATE	TUR-BID-ITY (NTU)	OXYGEN DEMAND, CHEM-ICAL (LOW LEVEL) (MG/L)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, CON-FIRMED (MPN)	COLI-FORM, FECAL, EC BROTH (MPN)	HARD-NESS (MG/L AS CACO3)	HARD-NESS NONCARB WH WAT TOT LAB MG/L AS CACO3	ALKA-LINITY LAB (MG/L AS CACO3)	SOLIDS, RESIDUE 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)
OCT											
30...	19	--	1.7	2200	230	56	11	45	26	0.110	0.080
NOV											
19...	17	--	1.1	790	110	46	1	45	22	0.070	0.090
DEC											
18...	6.0	--	2.0	2300	170	48	5	43	<1	0.260	<0.020
JAN											
30...	5.0	--	0.9	1400	80	58	6	52	<1	0.200	<0.020
FEB											
27...	7.0	--	1.5	790	110	56	5	51	11	0.410	0.050
MAR											
26...	9.0	--	1.7	--	80	50	2	48	10	0.240	0.050
APR											
30...	14	16	1.8	--	50	54	1	53	20	0.220	0.140
MAY											
28...	24	--	1.6	22000	630	52	0	52	20	0.230	0.120
JUN											
24...	15	--	1.7	--	--	62	1	61	18	0.180	0.090
JUL											
30...	26	10	0.4	--	140	56	3	53	17	0.260	0.130
AUG											
26...	15	3	--	--	220	60	2	58	21	0.150	<0.020
SEP											
24...	11	9	1.0	--	170	84	0	126	1	0.190	0.060

02384748 CONASAUGA RIVER NEAR DALTON, GA.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN,AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT					
30...	--	--	--	0.030	7.7
NOV					
19...	--	--	--	0.040	2.8
DEC					
18...	--	--	--	0.060	2.6
JAN					
30...	--	--	--	<0.020	1.8
FEB					
27...	--	--	--	<0.020	3.0
MAR					
26...	--	--	--	0.050	3.9
APR					
30...	0.06	0.20	0.42	0.100	3.4
MAY					
28...	--	--	--	0.020	3.3
JUN					
24...	--	--	--	0.040	2.5
JUL					
30...	0.37	0.50	0.76	0.130	6.4
AUG					
26...	--	0.30	0.45	<0.020	10
SEP					
24...	0.44	0.50	0.69	0.020	2.6

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 county road, 3 mi upstream from Rock Creek, and 3.3 mi south of Chatsworth.
DRAINAGE AREA.--64.0 mi^2.
PERIOD OF RECORD.--June 1960 to current year.
REVISED RECORDS.--WRD GA-80-1: Drainage area.
GAGE.--Water-stage recorder. Elevation of gage is 690 ft above National Geodetic Vertical Datum of 1929 (from topographic map).
REMARKS.--No estimated daily discharges. Records good, except those less than 10 ft^3/s, 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.
AVERAGE DISCHARGE.--26 years, 120 ft^3/s, 25.46 in/yr.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 9,110 ft^3/s Mar. 4, 1979, gage height, 12.54 ft; minimum daily, 1.5 ft^3/s Sept. 14, 16, 17, 1980.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,500 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)
Feb. 18	1000	*1,170	*8.19

Minimum daily discharge, 1.6 ft^3/s Aug. 7.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	67	35	171	84	37	50	47	20	13	32	2.5	8.2
2	62	50	151	56	37	48	45	19	11	17	2.3	13
3	28	42	99	50	34	46	44	17	11	18	1.9	34
4	20	48	79	46	34	44	43	17	11	11	1.7	40
5	18	68	68	43	37	43	40	16	9.9	8.1	1.7	71
6	14	59	62	39	38	41	38	16	9.1	5.4	1.7	33
7	14	51	54	38	36	39	37	16	8.3	5.0	1.6	19
8	15	56	49	36	32	37	42	17	8.5	4.2	15	13
9	16	44	46	34	31	36	48	16	12	3.8	85	11
10	17	41	42	36	32	36	36	14	11	3.6	18	9.7
11	18	38	42	35	48	55	35	13	8.4	3.4	11	9.0
12	20	35	216	34	38	48	33	15	8.2	5.7	8.7	128
13	20	33	504	32	34	524	32	16	7.7	9.1	12	48
14	20	32	235	31	46	683	30	15	6.8	35	8.7	23
15	21	30	128	30	114	401	30	12	5.8	22	6.5	16
16	23	30	97	30	69	203	27	12	5.2	8.5	5.8	13
17	22	38	81	29	270	133	27	12	3.9	4.8	40	11
18	22	34	70	31	1040	103	27	11	5.1	3.8	16	10
19	22	31	61	43	433	292	25	15	5.5	3.1	10	10
20	22	29	57	38	167	223	25	29	15	2.6	8.2	11
21	118	30	53	32	115	136	42	16	8.1	2.3	20	9.6
22	91	60	48	29	91	106	36	12	5.1	3.2	15	8.8
23	257	56	50	28	80	91	28	11	3.5	2.4	9.1	11
24	215	45	46	28	72	81	26	11	4.0	4.0	6.1	11
25	141	39	43	33	69	72	25	15	6.1	9.6	5.4	8.9
26	68	37	32	105	61	67	24	18	5.9	8.6	5.0	8.2
27	46	46	39	65	60	63	23	33	4.1	4.0	5.3	8.0
28	40	64	39	42	55	59	22	29	3.1	2.7	9.3	7.7
29	34	167	36	49	---	56	31	25	3.5	3.7	8.7	6.9
30	29	300	34	44	---	53	22	17	58	3.4	6.3	7.7
31	31	---	53	39	---	50	---	15	---	3.4	4.9	---
TOTAL	1551	1668	2785	1289	3210	3919	990	520	277.8	253.4	353.4	618.7
MEAN	50.0	55.6	89.8	41.6	115	126	33.0	16.8	9.26	8.17	11.4	20.6
MAX	257	300	504	105	1040	683	48	33	58	35	85	128
MIN	14	29	32	28	31	36	22	11	3.1	2.3	1.6	6.9
CFSM	.78	.87	1.40	.65	1.80	1.97	.52	.26	.15	.13	.18	.32
IN.	.90	.97	1.62	.75	1.87	2.28	.58	.30	.16	.15	.21	.36

CAL YR 1985 TOTAL 28349.3 MEAN 77.7 MAX 1400 MIN 4.9 CFSM 1.21 IN 16.48
WTR YR 1986 TOTAL 17435.3 MEAN 47.8 MAX 1040 MIN 1.6 CFSM .75 IN 10.13

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 highway 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 mi^2.

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 county road bridge, 3.2 mi downstream. Water-stage recorder on Oostanaula River at Resaca used as auxiliary gage during 1961-79 water years.
REMARKS.--No estimated daily discharges. Records good, except those less than 50 ft^3/s, which are fair. Flow affected by withdrawals and return flow by the city of Dalton, Ga.
AVERAGE DISCHARGE.--49 years, 1,202 ft^3/s, 23.76 in/yr.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 29,000 ft^3/s Mar. 30, 1951; maximum gage height, 30.2 ft Mar. 30, 1951, backwater from Coosawattee River; minimum daily discharge, 12 ft^3/s July 24, 1986.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 5,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Feb. 19	2400	*5,960	*13.94	Mar. 15	0300	5,040	12.41

Minimum daily discharge, 12 ft^3/s July 24.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	147	215	1880	672	422	517	421	220	208	987	358	37
2	521	238	1540	794	402	473	427	200	200	560	152	83
3	579	303	1070	643	393	446	401	181	172	262	61	86
4	380	348	824	558	382	427	379	181	158	197	50	380
5	243	345	669	508	382	412	360	181	155	153	43	1100
6	202	455	578	474	401	389	344	176	147	126	25	942
7	176	434	503	442	444	371	340	168	141	107	16	378
8	130	353	449	420	424	353	347	204	170	79	54	227
9	109	314	415	396	408	338	395	188	169	53	425	143
10	99	295	341	377	387	333	402	183	158	43	322	112
11	97	272	316	367	464	345	348	163	175	40	227	96
12	91	230	711	407	581	392	315	169	179	37	138	638
13	109	208	2120	385	505	2070	300	163	161	34	85	715
14	119	190	2540	344	471	4270	304	158	139	66	70	399
15	92	180	1540	334	1040	4660	282	158	137	139	61	234
16	75	179	1000	328	1130	2770	269	153	136	115	46	154
17	74	204	785	325	1230	1610	255	145	129	71	43	123
18	76	241	648	313	4700	1160	253	146	124	47	82	107
19	83	243	592	350	5740	1400	242	211	122	39	122	98
20	100	206	601	384	4270	2530	243	198	111	32	91	93
21	201	199	552	391	1620	1780	281	273	108	33	91	92
22	313	272	526	349	1170	1150	317	265	111	40	73	99
23	654	338	494	344	940	932	318	191	113	22	64	87
24	1160	364	494	331	817	810	269	163	120	12	53	71
25	1040	339	470	327	739	719	250	168	104	118	57	70
26	665	279	443	565	667	644	235	178	82	117	44	69
27	461	303	394	793	608	592	234	225	58	105	29	68
28	384	401	378	623	577	548	235	368	44	147	31	66
29	319	845	414	462	---	511	229	475	44	75	29	79
30	276	2020	392	471	---	477	232	422	127	47	23	74
31	257	---	419	466	---	453	---	260	---	45	20	---
TOTAL	9232	10813	24098	13943	31314	33882	9227	6534	4002	3948	2985	6920
MEAN	298	360	777	450	1118	1093	308	211	133	127	96.3	231
MAX	1160	2020	2540	794	5740	4660	427	475	208	987	425	1100
MIN	74	179	316	313	382	333	229	145	44	12	16	37
CFSM	.43	.52	1.13	.66	1.63	1.59	.45	.31	.19	.19	.14	.34
IN.	.50	.59	1.30	.75	1.70	1.83	.50	.35	.22	.21	.16	.37

CAL YR 1985 TOTAL 255148 MEAN 699 MAX 9560 MIN 74 CFSM 1.02 IN 13.82
WTR YR 1986 TOTAL 156898 MEAN 430 MAX 5740 MIN 12 CFSM .63 IN 8.50

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 chemical 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, 623 microsiemens Sept. 26, 1981; minimum, 34 microsiemens Mar. 23, 1980.
pH: Maximum recorded, 8.9 units July 21, 1986; minimum recorded, 6.3 units July 5, 6, 1976.
WATER TEMPERATURE: Maximum recorded, 33.0°C July 21, 1986; minimum recorded, 0.0°C Dec. 19, 20, 1981.
DISSOLVED OXYGEN: Maximum recorded, 13.6 mg/L Jan. 31, 1977; minimum recorded, 0.6 mg/L July 1, 1977.
EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum recorded, 421 microsiemens June 30; minimum recorded, 80 microsiemens July 2, Sept. 6.
pH: Maximum recorded, 8.9 units July 21; minimum recorded, 6.9 units Dec. 7, 8, July 1, 2.
WATER TEMPERATURE: Maximum recorded, 33.0°C July 21; minimum recorded, 2.5°C Dec. 27, Jan. 28, 29.
DISSOLVED OXYGEN: Maximum recorded, 12.7 mg/L Jan. 31; minimum recorded, 1.5 mg/L May 18.

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM)	PH (STAND-ARD UNITS)	PH LAB (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	TEMPER-ATURE, AIR (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)
OCT										
30...	1200	277	212	194	7.40	7.50	18.0	18.5	5.6	61
NOV										
19...	1215	243	169	168	7.60	7.50	18.5	24.0	6.8	74
DEC										
18...	1100	658	133	122	7.60	7.60	5.0	1.0	11.5	90
JAN										
30...	1100	471	257	244	7.30	7.50	4.0	1.5	12.3	94
FEB										
27...	1030	610	178	163	7.40	7.20	--	12.0	9.6	--
MAR										
26...	1115	638	168	157	7.50	7.40	14.5	20.0	9.3	91
APR										
30...	1000	234	247	244	7.30	7.30	20.0	23.5	4.4	49
MAY										
28...	1230	334	205	215	7.40	7.30	23.0	26.5	4.6	55
JUN										
24...	0930	120	305	323	7.30	7.20	29.0	30.0	4.2	56
JUL										
30...	1215	46	162	162	7.40	7.60	30.0	34.0	6.4	86
AUG										
26...	1145	44	148	141	7.70	7.50	27.0	30.0	5.6	71
SEP										
24...	1145	68	192	191	7.40	7.60	25.5	29.5	5.7	71

02387000 CONASAUGA RIVER AT TILTON, GA.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TURBIDITY (NTU)	OXYGEN DEMAND, CHEMICAL (LOW LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	COLIFORM, FECAL, EC BROTH (MPN)	HARDNESS (MG/L AS CACO3)	HARDNESS NONCARB WH WAT TOT LAB MG/L AS CACO3	ALKALINITY LAB (MG/L AS CACO3)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)
OCT								
30...	20	11	1.9	490	70	8	62	20
NOV								
19...	19	5	1.7	110	70	0	70	19
DEC								
18...	11	12	0.9	600	54	7	47	8
JAN								
30...	10	32	2.8	700	80	14	66	2
FEB								
27...	26	12	2.7	110	68	10	58	46
MAR								
26...	9.0	14	1.6	170	62	7	55	17
APR								
30...	17	24	2.3	50	80	10	70	14
MAY								
28...	32	19	2.7	270	80	14	66	37
JUN								
24...	7.0	38	3.3	--	96	16	80	12
JUL								
30...	25	20	1.4	110	68	3	65	21
AUG								
26...	20	13	1.0	130	62	4	58	26
SEP								
24...	15	14	1.7	170	80	8	72	13

DATE	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN,AMMONIA + ORGANIC TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT					
30...	0.300	0.240	0.50	1.12	9.3
NOV					
19...	0.140	0.140	0.30	0.210	7.4
DEC					
18...	0.320	0.060	0.20	0.340	7.3
JAN					
30...	0.420	0.150	0.90	2.55	10
FEB					
27...	0.520	0.100	1.1	0.700	8.6
MAR					
26...	0.290	0.100	--	0.610	6.7
APR					
30...	0.460	0.330	0.70	1.64	10
MAY					
28...	2.04	0.170	0.80	1.73	6.0
JUN					
24...	0.450	0.200	1.2	3.45	29
JUL					
30...	0.320	0.120	0.50	0.310	8.2
AUG					
26...	0.180	0.060	0.40	0.250	9.3
SEP					
24...	0.330	0.080	0.60	0.490	17

02387000 CONASAUGA RIVER AT TILTON, GA.--Continued

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	241	202	224	195	128	119	267	207	249	242	168	161
2	227	183	203	194	134	122	211	204	248	241	163	160
3	179	161	203	187	137	123	225	213	243	229	176	162
4	174	168	185	162	153	127	226	219	266	247	191	177
5	182	172	175	148	160	152	223	215	259	253	193	187
6	184	173	156	122	168	159	231	215	262	254	198	193
7	195	183	119	106	170	166	246	232	257	244	206	191
8	188	185	117	107	168	159	257	245	242	235	195	181
9	198	188	125	118	179	160	266	257	229	220	179	171
10	205	196	135	124	185	155	271	265	223	214	185	171
11	216	203	140	134	156	153	269	263	239	224	214	187
12	228	216	142	136	210	156	272	269	225	214	217	202
13	231	225	143	141	168	149	279	264	225	213	200	121
14	237	228	148	139	---	---	278	264	227	209	129	91
15	237	222	152	149	119	114	277	272	221	162	98	84
16	221	208	154	149	128	114	287	276	180	163	107	98
17	216	209	165	155	142	130	292	280	184	142	112	101
18	218	214	178	168	149	129	288	273	---	---	123	111
19	242	218	177	161	167	137	270	253	---	---	159	124
20	277	243	161	157	211	173	257	243	---	---	134	121
21	280	197	164	159	211	207	277	261	---	---	---	---
22	253	229	193	166	209	206	285	272	---	---	---	---
23	241	184	200	183	215	207	295	280	---	---	---	---
24	196	167	187	167	222	214	294	291	---	---	---	---
25	180	174	169	163	218	215	289	268	---	---	147	145
26	186	175	164	159	224	216	268	225	---	---	155	148
27	176	172	170	155	261	226	223	200	---	---	165	159
28	183	168	172	162	270	255	238	218	---	---	167	158
29	213	181	173	163	255	245	259	239	---	---	159	152
30	212	205	160	129	251	241	260	254	---	---	155	145
31	220	205	---	---	257	248	252	243	---	---	161	147
MONTH	280	161	224	106	270	114	295	200	266	142	217	84

	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	185	161	227	214	216	205	248	86	204	140	208	187
2	190	182	233	223	203	189	100	80	---	---	208	194
3	195	184	237	228	231	195	125	101	---	---	220	194
4	202	196	234	206	255	232	137	122	---	---	238	155
5	196	184	206	197	280	255	151	136	---	---	158	83
6	184	175	245	197	284	277	150	141	---	---	146	80
7	179	163	253	244	285	276	161	150	---	---	145	119
8	197	181	265	249	298	179	160	155	---	---	122	117
9	212	194	272	231	247	236	172	160	---	---	132	122
10	195	184	274	235	271	237	177	167	---	---	142	133
11	198	185	240	214	307	273	183	173	---	---	148	142
12	204	195	212	203	304	276	193	183	---	---	149	130
13	192	175	253	207	305	295	196	191	---	---	147	132
14	181	168	267	255	305	295	197	194	---	---	149	136
15	206	179	266	256	314	299	---	---	---	---	143	137
16	210	205	263	257	296	235	194	191	---	---	149	143
17	213	205	277	260	270	231	194	180	---	---	156	149
18	214	205	271	244	331	272	179	176	---	---	165	157
19	216	208	240	206	367	332	177	161	---	---	179	166
20	212	181	243	221	370	358	167	158	---	---	184	179
21	182	172	251	221	377	364	167	158	---	---	189	184
22	208	183	242	191	385	378	165	158	---	---	195	189
23	197	191	255	244	386	335	177	162	---	---	197	192
24	202	192	270	257	334	296	181	169	---	---	202	196
25	218	201	263	224	337	301	---	---	---	---	217	202
26	217	206	222	212	381	340	---	---	---	---	230	217
27	208	195	214	195	405	381	---	---	---	---	232	230
28	194	180	245	202	405	372	---	---	162	157	231	226
29	228	181	218	186	418	371	---	---	168	161	231	221
30	229	220	205	199	421	223	165	161	177	168	231	228
31	---	---	216	204	---	---	168	162	186	177	---	---
MONTH	229	161	277	186	421	179	248	80	204	140	238	80
YEAR	421	80										

02387000 CONASAUGA RIVER AT TILTON, GA.--Continued

PH (STANDARD UNITS), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	7.7	7.5	7.6	7.5	7.6	7.1	7.6	7.4	7.5	7.5	7.8	7.7
2	7.5	7.3	7.6	7.5	7.2	7.1	7.5	7.5	7.6	7.5	7.9	7.8
3	7.3	7.3	7.5	7.5	7.3	7.0	7.5	7.4	7.6	7.5	7.8	7.8
4	7.4	7.3	7.5	7.5	7.1	7.0	7.4	7.4	7.5	7.4	7.8	7.7
5	7.4	7.3	7.5	7.4	7.1	7.0	7.5	7.4	7.5	7.4	7.7	7.6
6	7.4	7.3	7.4	7.3	7.1	7.0	7.5	7.5	7.4	7.4	7.6	7.5
7	7.4	7.3	7.4	7.1	7.0	6.9	7.5	7.4	7.4	7.4	7.5	7.5
8	7.6	7.4	7.3	7.1	7.1	6.9	7.4	7.4	7.5	7.4	7.7	7.5
9	7.7	7.5	7.3	7.1	7.4	7.2	7.4	7.4	7.6	7.5	7.8	7.7
10	7.7	7.5	7.4	7.2	7.6	7.3	7.4	7.4	7.6	7.5	7.9	7.7
11	7.7	7.5	7.4	7.3	7.7	7.6	7.4	7.4	7.5	7.4	7.7	7.5
12	7.6	7.5	7.4	7.4	7.6	7.5	7.5	7.4	7.6	7.5	7.5	7.4
13	7.6	7.5	7.5	7.4	7.6	7.4	7.5	7.4	7.6	7.6	7.6	7.3
14	7.6	7.5	7.6	7.4	7.4	7.3	7.5	7.4	7.6	7.5	7.3	7.2
15	7.6	7.5	7.6	7.5	7.5	7.3	7.4	7.4	7.6	7.4	7.4	7.3
16	7.5	7.4	7.6	7.5	7.5	7.5	7.5	7.3	7.6	7.5	7.4	7.2
17	7.5	7.4	7.7	7.7	7.5	7.5	7.5	7.4	7.8	7.3	7.3	7.2
18	7.6	7.4	7.8	7.7	7.6	7.5	7.5	7.4	7.3	7.3	7.4	7.3
19	7.6	7.5	7.7	7.7	7.5	7.5	7.5	7.5	---	---	7.6	7.3
20	7.6	7.4	7.7	7.6	7.5	7.4	7.6	7.5	---	---	7.6	7.3
21	7.5	7.4	7.6	7.5	7.4	7.4	7.5	7.4	---	---	---	---
22	7.4	7.3	7.6	7.5	7.5	7.4	7.5	7.4	---	---	---	---
23	7.3	7.2	7.6	7.5	7.5	7.5	7.5	7.4	---	---	---	---
24	7.2	7.2	7.7	7.5	7.5	7.5	7.5	7.4	---	---	---	---
25	7.2	7.2	7.7	7.6	7.5	7.5	7.5	7.4	---	---	7.5	7.4
26	7.3	7.2	7.6	7.5	7.6	7.5	7.5	7.4	---	---	7.5	7.4
27	7.3	7.3	7.7	7.6	7.6	7.4	7.5	7.5	---	---	7.4	7.4
28	7.3	7.3	7.7	7.7	7.5	7.4	7.5	7.5	---	---	7.5	7.4
29	7.5	7.3	7.7	7.6	7.5	7.5	7.5	7.4	---	---	7.6	7.5
30	7.6	7.4	7.6	7.4	7.5	7.5	7.5	7.4	---	---	7.6	7.5
31	7.6	7.5	---	---	7.5	7.5	7.5	7.5	---	---	7.7	7.5
MONTH	7.7	7.2	7.8	7.1	7.7	6.9	7.6	7.3	7.8	7.3	7.9	7.2
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	7.6	7.5	7.2	7.2	7.1	7.1	7.5	6.9	7.7	7.1	7.8	7.7
2	7.5	7.4	7.2	7.2	7.2	7.1	7.0	6.9	---	---	7.7	7.5
3	7.5	7.4	7.2	7.2	7.2	7.1	7.2	7.0	---	---	7.5	7.4
4	7.5	7.4	7.3	7.2	7.1	7.1	7.3	7.2	---	---	7.6	7.5
5	7.5	7.4	7.3	7.3	7.1	7.1	7.3	7.3	---	---	7.6	7.1
6	7.5	7.4	7.3	7.3	7.2	7.1	7.5	7.3	---	---	7.4	7.1
7	7.5	7.4	7.3	7.2	7.2	7.1	7.7	7.3	---	---	7.4	7.3
8	7.4	7.3	7.2	7.2	7.4	7.2	7.9	7.4	---	---	7.3	7.3
9	7.4	7.3	7.2	7.2	7.3	7.2	8.6	7.4	---	---	7.4	7.3
10	7.4	7.4	7.2	7.1	7.3	7.2	8.6	7.5	---	---	7.4	7.3
11	7.4	7.4	7.2	7.1	7.3	7.2	8.7	7.6	---	---	7.4	7.3
12	7.5	7.4	7.3	7.2	7.3	7.2	8.8	7.6	---	---	7.4	7.3
13	7.5	7.4	7.3	7.2	7.3	7.3	8.4	7.5	---	---	7.4	7.3
14	7.5	7.4	7.2	7.1	7.4	7.3	8.1	7.5	---	---	7.4	7.3
15	7.5	7.3	7.2	7.1	7.4	7.3	---	---	---	---	7.5	7.4
16	7.5	7.4	7.2	7.1	7.5	7.3	7.9	7.6	---	---	7.4	7.4
17	7.4	7.4	7.2	7.1	7.6	7.4	8.0	7.6	---	---	7.4	7.4
18	7.5	7.4	7.2	7.1	7.6	7.4	8.6	7.5	---	---	7.4	7.4
19	7.5	7.4	7.3	7.2	7.5	7.3	8.7	7.5	---	---	7.4	7.3
20	7.5	7.4	7.3	7.2	7.6	7.3	8.8	7.5	---	---	7.4	7.3
21	7.4	7.4	7.2	7.2	7.6	7.3	8.9	7.5	---	---	7.4	7.3
22	7.4	7.4	7.3	7.2	7.6	7.3	8.4	7.6	---	---	7.4	7.3
23	7.4	7.3	7.3	7.2	7.5	7.3	8.5	7.6	---	---	7.4	7.3
24	7.4	7.3	7.2	7.2	7.6	7.3	8.5	7.6	---	---	7.4	7.3
25	7.4	7.3	7.2	7.1	7.7	7.3	---	---	---	---	7.4	7.3
26	7.4	7.3	7.3	7.1	7.9	7.4	---	---	---	---	7.5	7.3
27	7.4	7.3	7.3	7.3	7.9	7.4	---	---	---	---	7.5	7.4
28	7.4	7.3	7.3	7.2	8.2	7.4	---	---	7.8	7.5	7.5	7.4
29	7.3	7.3	7.4	7.2	8.1	7.5	---	---	7.9	7.5	7.5	7.4
30	7.2	7.2	7.3	7.2	7.9	7.5	8.2	7.5	7.7	7.6	7.6	7.4
31	---	---	7.2	7.1	---	---	7.8	7.4	7.7	7.6	---	---
MONTH	7.6	7.2	7.4	7.1	8.2	7.1	8.9	6.9	7.9	7.1	7.8	7.1
YEAR	8.9	6.9										

02387000 CONASAUGA RIVER AT TILTON, GA.--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	19.0	17.5	18.5	18.0	---	---	5.5	4.5	6.5	4.5	9.0	8.0
2	17.5	17.0	18.0	17.5	14.0	12.5	5.5	4.0	8.0	6.0	8.5	6.5
3	17.0	16.5	17.5	17.0	12.5	9.5	7.0	5.5	9.5	7.0	9.5	7.0
4	18.5	16.5	17.0	15.0	9.5	9.0	7.0	6.5	11.5	9.0	9.5	8.5
5	18.5	17.5	14.5	13.5	9.5	9.0	7.0	6.0	12.5	11.5	10.5	8.5
6	17.5	16.0	14.0	13.0	9.0	8.0	6.0	4.5	12.5	11.5	11.0	9.0
7	16.0	15.5	13.0	12.0	8.0	7.5	6.5	5.5	13.0	12.0	11.0	9.0
8	17.0	15.0	12.0	11.0	7.5	6.5	6.0	5.0	12.0	11.0	10.5	9.0
9	19.0	16.5	12.0	10.5	9.0	7.0	6.0	4.5	11.5	10.5	10.0	8.5
10	19.5	17.5	12.5	11.0	9.0	8.0	6.5	5.5	11.5	10.5	12.0	9.0
11	20.5	17.5	13.5	12.5	10.5	8.5	6.5	5.5	10.5	8.5	15.5	12.0
12	20.0	18.0	14.5	13.5	12.5	10.5	6.5	5.0	8.5	7.0	17.0	14.5
13	20.5	19.0	15.5	14.5	13.0	12.0	6.0	5.0	7.0	6.0	17.0	15.0
14	21.0	19.0	16.5	15.5	---	---	6.0	4.5	6.5	5.5	---	---
15	21.5	20.0	17.0	16.0	7.5	6.5	6.5	5.5	6.0	5.0	---	---
16	22.5	20.5	17.5	16.5	6.5	5.5	7.5	6.0	6.5	5.0	---	---
17	20.5	19.5	18.0	17.0	5.5	5.0	8.5	7.0	8.0	6.5	---	---
18	21.0	19.5	18.0	17.0	5.0	4.5	9.0	8.0	---	---	---	---
19	22.0	20.0	18.5	18.0	5.0	4.0	9.0	8.5	---	---	16.0	15.5
20	21.5	20.0	18.5	18.0	6.0	4.5	8.5	8.0	---	---	16.5	15.0
21	21.0	20.0	18.0	16.5	5.5	4.5	9.0	7.5	---	---	---	---
22	20.5	20.0	16.5	15.5	5.0	4.0	9.5	8.0	---	---	---	---
23	20.0	19.0	15.5	14.5	6.0	4.5	9.0	8.0	---	---	---	---
24	19.0	19.0	14.5	13.5	6.5	5.5	8.5	7.5	---	---	---	---
25	19.5	19.0	15.0	14.0	6.0	4.5	8.5	7.0	---	---	---	---
26	20.0	19.0	15.5	14.5	4.0	3.0	7.0	6.0	---	---	15.0	13.5
27	19.0	18.5	16.5	15.5	4.5	2.5	5.5	3.5	---	---	16.5	14.5
28	19.0	18.0	17.0	16.5	5.0	4.0	3.0	2.5	---	---	17.0	15.0
29	---	---	17.0	16.5	4.5	3.5	4.0	2.5	---	---	17.0	14.5
30	18.0	17.5	16.5	16.0	4.5	3.0	5.0	3.5	---	---	17.5	15.0
31	18.0	17.5	---	---	5.0	4.0	5.5	3.5	---	---	18.5	15.5
MONTH	22.5	15.0	18.5	10.5	14.0	2.5	9.5	2.5	13.0	4.5	18.5	6.5
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	19.0	16.5	23.5	21.5	26.5	25.0	27.5	24.5	27.5	26.0	22.0	21.5
2	20.0	16.5	23.5	21.5	26.5	25.5	25.0	24.0	---	---	22.0	22.0
3	20.0	18.0	22.5	20.5	26.5	25.0	26.0	24.0	---	---	23.0	22.0
4	20.5	18.0	21.5	19.5	25.5	25.0	26.5	24.5	---	---	23.0	22.5
5	20.5	18.5	21.5	19.5	26.0	24.5	28.5	26.0	---	---	23.5	22.5
6	21.0	19.0	23.0	20.5	27.5	25.0	29.5	26.5	---	---	23.5	23.0
7	20.5	19.0	23.5	22.0	28.0	26.5	30.0	27.0	---	---	24.0	22.5
8	20.5	19.5	25.0	22.0	28.0	25.0	30.5	28.0	---	---	24.0	22.5
9	19.5	18.0	26.0	23.5	27.5	25.5	31.5	28.5	---	---	24.0	22.5
10	18.0	16.5	25.5	24.0	28.5	26.5	31.5	28.5	---	---	23.5	22.5
11	18.5	15.5	24.0	23.0	29.0	27.0	31.0	28.0	---	---	24.0	22.5
12	18.0	16.0	23.5	22.5	29.5	27.5	31.0	28.0	---	---	24.0	22.5
13	18.5	16.0	24.0	22.0	28.5	27.0	30.5	28.0	---	---	23.5	22.0
14	18.5	16.5	25.0	22.5	28.5	26.5	29.5	27.0	---	---	23.5	22.0
15	20.0	18.0	25.0	24.0	29.0	26.5	---	---	---	---	23.5	22.0
16	19.5	17.5	25.5	23.5	29.5	26.5	29.5	28.5	---	---	24.0	23.0
17	17.5	16.0	26.5	24.0	29.0	26.5	30.0	27.5	---	---	24.0	22.5
18	17.5	15.0	25.5	24.0	29.0	26.0	31.5	28.0	---	---	23.0	22.0
19	18.5	16.5	23.5	23.0	29.5	26.5	32.5	28.5	---	---	23.5	21.5
20	18.5	17.0	24.0	22.5	30.0	27.0	32.5	28.5	---	---	24.5	23.0
21	17.5	16.5	23.0	22.0	30.5	27.5	33.0	28.5	---	---	26.0	23.5
22	17.5	15.5	22.5	20.5	30.5	28.0	32.0	28.5	---	---	26.0	24.0
23	17.0	15.0	23.5	21.5	30.5	28.0	33.0	28.5	---	---	26.5	24.5
24	17.5	15.0	24.0	22.5	29.5	28.0	31.0	28.5	---	---	27.0	24.5
25	19.0	16.5	23.5	22.5	30.0	27.0	---	---	---	---	26.5	24.5
26	21.0	18.5	23.0	22.5	30.5	27.0	---	---	---	---	26.5	24.5
27	22.0	20.0	23.0	22.5	30.5	28.0	---	---	---	---	26.5	24.5
28	21.5	20.0	23.5	22.5	32.0	27.5	---	---	26.5	24.0	26.5	24.5
29	22.0	19.5	24.0	22.5	31.0	28.0	---	---	25.5	23.5	27.0	25.5
30	22.5	20.5	25.0	23.0	28.5	27.0	32.5	29.0	23.5	22.5	27.0	25.5
31	---	---	25.5	24.0	---	---	29.5	27.0	22.5	22.0	---	---
MONTH	22.5	15.0	26.5	19.5	32.0	24.5	33.0	24.0	27.5	22.0	27.0	21.5
YEAR	33.0	2.5										

02387000 CONASAUGA RIVER AT TILTON, GA.--Continued

OXYGEN, DISSOLVED (DO), MG/L, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	7.7	5.8	6.2	5.9	---	---	11.9	11.2	12.5	12.0	10.4	10.0
2	6.5	5.0	6.4	6.2	9.0	8.7	11.8	11.2	12.3	11.7	11.0	10.4
3	6.7	5.3	6.6	6.2	10.2	9.1	11.4	10.6	12.0	11.0	11.0	10.4
4	6.6	6.1	7.5	6.7	10.5	10.3	10.9	10.6	10.8	10.0	10.3	9.9
5	6.6	5.8	8.3	7.6	10.5	10.5	11.2	10.8	9.8	9.1	10.1	9.5
6	6.6	6.0	8.7	8.3	10.6	10.5	11.6	11.3	9.2	8.3	9.9	9.2
7	7.2	6.3	9.0	8.7	10.9	10.6	11.4	10.6	9.0	8.1	9.5	8.8
8	8.4	7.3	9.4	8.9	11.1	11.0	11.4	10.7	9.5	8.5	10.4	8.9
9	8.6	7.1	9.7	9.3	11.2	10.7	11.7	11.3	10.1	8.8	11.2	10.1
10	8.4	6.9	9.6	9.3	11.0	10.6	11.6	11.3	9.9	9.1	11.1	10.1
11	8.3	6.2	9.4	9.0	10.9	10.3	11.5	11.1	9.5	8.9	10.1	8.1
12	7.3	5.4	9.1	8.7	10.2	8.8	11.5	11.3	10.6	9.4	8.3	6.8
13	6.6	4.9	8.7	8.5	9.0	8.5	11.4	10.9	11.5	10.5	7.5	5.9
14	6.7	5.1	8.6	8.2	---	---	11.5	11.1	11.7	11.1	---	---
15	6.5	5.2	8.3	7.8	10.8	10.1	11.2	10.9	11.5	10.2	---	---
16	6.5	5.0	7.9	7.4	11.3	10.8	11.2	10.7	11.6	11.4	---	---
17	6.3	5.4	7.5	7.1	11.4	11.2	11.0	10.5	11.4	11.0	---	---
18	6.7	5.4	7.1	6.8	11.6	11.4	10.6	10.2	---	---	---	---
19	6.6	5.4	7.0	6.7	11.6	11.4	10.4	10.0	---	---	8.6	7.2
20	6.1	4.4	7.1	6.8	11.7	11.4	10.6	9.9	---	---	8.1	5.4
21	6.8	4.2	7.3	7.0	11.7	11.5	10.5	9.7	---	---	---	---
22	5.0	4.5	7.6	7.3	11.9	11.7	10.4	9.7	---	---	---	---
23	6.3	4.8	7.6	7.2	11.9	11.6	10.4	9.6	---	---	---	---
24	6.2	4.4	8.2	7.4	11.5	11.3	10.7	9.9	---	---	---	---
25	6.1	5.9	8.6	8.2	11.5	11.2	11.0	10.1	---	---	9.6	9.2
26	6.3	6.0	8.5	8.3	12.0	11.5	11.1	10.5	---	---	9.2	8.6
27	6.9	6.3	8.2	7.8	12.1	12.0	12.0	11.1	---	---	8.8	8.3
28	7.1	6.5	7.8	7.4	12.0	11.8	12.6	12.1	---	---	8.8	8.4
29	7.0	6.2	7.6	7.3	12.0	11.9	12.6	12.2	---	---	9.0	8.4
30	6.2	5.6	7.8	7.4	12.1	11.9	12.5	12.0	---	---	9.1	8.3
31	6.3	6.1	---	---	11.9	11.7	12.7	12.2	---	---	9.1	8.4
MONTH	8.6	4.2	9.7	5.9	12.1	8.5	12.7	9.6	12.5	8.1	11.2	5.4
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	8.7	8.0	4.1	3.5	3.5	2.9	5.1	2.9	5.8	2.5	6.4	6.0
2	8.3	7.4	4.0	3.1	4.0	3.1	5.4	4.9	---	---	6.4	5.7
3	8.0	7.1	3.9	3.2	4.3	3.2	5.3	5.1	---	---	6.0	5.1
4	7.7	6.6	4.7	3.4	3.7	2.9	5.5	5.1	---	---	6.5	5.6
5	7.8	6.4	5.4	4.4	3.4	2.6	5.8	5.2	---	---	6.1	5.5
6	7.6	6.4	4.9	3.9	3.9	2.5	6.6	5.2	---	---	6.1	5.9
7	7.6	6.5	3.9	2.7	3.9	2.3	7.6	5.3	---	---	6.0	5.8
8	6.9	6.1	3.6	2.6	5.3	2.3	8.3	5.1	---	---	6.0	5.8
9	6.7	5.7	3.2	2.3	3.7	3.3	10.9	5.1	---	---	6.0	5.7
10	7.3	6.4	2.8	2.0	4.6	3.5	11.0	5.8	---	---	6.2	5.6
11	7.8	6.8	3.1	2.3	4.1	3.2	11.2	6.1	---	---	6.1	5.5
12	7.9	6.7	3.8	2.6	4.5	2.9	11.9	6.0	---	---	6.6	4.9
13	8.0	6.7	4.1	2.9	4.0	2.8	10.2	6.0	---	---	6.3	5.0
14	8.1	7.0	3.7	2.3	4.5	2.8	8.7	5.3	---	---	6.6	6.1
15	7.1	6.4	2.9	1.8	4.7	2.8	---	---	---	---	7.0	6.2
16	6.8	5.7	3.2	1.8	6.0	3.1	7.6	5.9	---	---	6.2	6.0
17	6.6	5.9	2.9	1.6	6.0	3.8	8.2	5.3	---	---	6.5	6.0
18	7.4	6.1	2.4	1.5	6.3	3.4	10.8	4.9	---	---	6.5	6.0
19	7.5	6.4	3.4	2.2	6.6	3.2	11.7	5.0	---	---	6.3	5.8
20	7.3	6.1	4.0	3.0	7.5	3.1	12.3	5.3	---	---	6.5	5.7
21	6.8	6.2	4.3	3.0	7.0	3.1	12.5	5.8	---	---	6.1	5.7
22	6.9	6.2	5.4	4.3	6.9	2.9	10.4	5.9	---	---	6.2	5.4
23	7.5	6.2	4.7	3.6	6.2	2.3	10.9	5.4	---	---	6.3	5.4
24	7.3	6.5	3.6	2.7	6.2	3.0	9.1	5.2	---	---	6.4	5.0
25	7.1	6.1	3.7	2.8	7.3	3.2	---	---	---	---	6.2	4.5
26	6.7	5.7	4.3	3.0	8.6	3.3	---	---	---	---	6.3	4.8
27	6.1	5.1	4.6	4.0	8.6	3.1	---	---	---	---	6.5	4.8
28	5.6	4.9	4.8	4.0	10.8	2.7	---	---	6.6	5.7	6.5	4.9
29	5.6	4.4	5.1	4.6	10.3	3.7	---	---	8.0	5.5	6.5	4.8
30	4.5	4.1	5.0	4.3	7.7	4.4	8.7	5.4	6.4	5.7	6.7	4.6
31	---	---	4.3	3.3	---	---	7.5	4.6	6.8	5.8	---	---
MONTH	8.7	4.1	5.4	1.5	10.8	2.3	12.5	2.9	8.0	2.5	7.0	4.5
YEAR	12.7	1.5										

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 mi^2.
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 determination of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen is by the U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM)	PH (STAND-ARD UNITS)	PH LAB (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	TEMPER-ATURE, AIR (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)
OCT 30...	1100	295	198	189	7.20	7.40	17.5	17.0	6.6	71
NOV 19...	1100	250	--	178	7.60	7.50	18.0	23.5	7.0	--
DEC 18...	1145	820	--	119	7.20	7.60	4.0	1.5	10.2	--
JAN 30...	1145	540	270	246	7.30	7.50	4.0	1.5	10.8	82
FEB 27...	1100	780	176	161	7.40	7.40	12.5	12.0	10.0	96
MAR 26...	1145	784	162	152	7.50	7.30	15.5	22.5	9.6	96
APR 30...	1115	250	235	222	7.30	7.30	20.0	27.0	7.6	85
MAY 28...	1100	223	188	199	7.40	7.40	23.0	26.5	8.6	102
JUN 24...	0830	86	365	390	7.40	7.30	28.0	28.5	5.0	65
JUL 30...	1045	--	189	192	7.40	7.60	28.0	30.5	5.4	70
AUG 26...	0930	--	158	152	7.30	7.50	24.5	29.0	7.2	87
SEP 24...	1000	--	215	218	7.20	7.50	24.5	28.0	6.8	83

DATE	TUR-BID-ITY (NTU)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, FECAL, EC BROTH (MPN)	HARD-NESS (MG/L AS CACO3)	HARD-NESS NONCARB WH WAT TOT LAB MG/L AS CACO3	ALKA-LINITY 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...	19	1.9	790	72	9	63	0.300	0.210	0.960	7.5
NOV 19...	15	0.7	120	78	3	75	0.150	0.080	0.150	4.1
DEC 18...	12	1.4	460	52	6	46	0.320	0.070	0.350	6.3
JAN 30...	11	3.0	1300	84	14	70	0.490	0.130	2.30	10
FEB 27...	20	2.1	170	64	7	57	0.560	0.100	0.650	7.1
MAR 26...	17	2.3	80	68	10	58	0.310	0.110	0.520	6.9
APR 30...	10	2.1	80	80	9	71	0.590	0.260	1.59	9.3
MAY 28...	16	2.1	110	78	11	67	1.13	0.160	1.02	4.3
JUN 24...	14	4.2	--	110	26	80	0.430	0.150	6.68	18
JUL 30...	17	3.8	20	80	7	73	0.350	0.070	0.290	7.7
AUG 26...	18	--	70	66	6	60	0.190	0.130	0.230	4.7
SEP 24...	15	1.3	1300	80	13	67	0.530	0.290	0.510	5.6

02387500 OOSTANAULA RIVER AT RESACA, GA.

LOCATION.--Lat 34°34'42", long 84°56'29", Gordon County, Hydrologic Unit 03150103, near left bank on downstream side of 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 mi^2.

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 water-works 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.--No estimated daily discharges. Records good. Flow regulated by Carters Lake and re-regulation dam. (See "Lakes and Reservoirs in Mobile River Basin," stations 02381400 and 02382400).
AVERAGE DISCHARGE.--94 years, 2,804 ft^3/s, 23.80 in/yr, unadjusted.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 54,800 ft^3/s Mar. 31, 1951; maximum gage height, 34.6 ft Mar. 31, 1951: minimum discharge observed, 180 ft^3/s Sept. 7, 8, 1925, gage height, 0.5 ft.
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 ft^3/s.
EXTREMES FOR CURRENT YEAR.--Maximum discharge, 7,390 ft^3/s Feb. 18, maximum gage height, 12.30 ft Feb. 18; minimum daily discharge 362 ft^3/s Aug. 8.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	646	792	2950	1770	1080	1830	1210	949	764	1280	751	468
2	1290	791	2630	1640	1030	1590	1140	929	674	1500	851	469
3	1320	863	2310	1390	971	1550	1140	783	643	881	520	503
4	1150	901	2020	1250	955	1370	1100	727	601	729	432	949
5	937	943	1810	1170	1030	1270	1060	711	563	639	410	1700
6	818	953	1770	1130	1080	1330	965	773	599	623	381	1900
7	742	1040	1720	1200	1140	1090	963	705	618	567	366	1130
8	670	914	1640	1150	1130	990	1020	765	610	531	362	768
9	666	876	1480	1160	1120	959	1160	737	692	503	645	593
10	530	852	1350	1150	1020	903	1160	696	707	462	857	475
11	474	793	1300	1120	1010	888	1050	681	708	434	679	460
12	498	781	1540	1160	1300	979	974	616	773	430	564	702
13	511	769	3100	1110	1300	3270	943	627	699	460	442	1470
14	518	736	3850	1040	1260	6220	918	652	589	448	424	1040
15	524	722	2980	1000	1960	6630	937	684	613	510	431	739
16	500	732	2030	1020	2230	5020	967	689	530	578	443	598
17	499	765	1770	1040	2270	3190	927	697	575	526	429	556
18	508	780	1630	1040	6530	2510	895	647	558	476	385	503
19	513	1080	1560	961	7110	2860	872	657	557	466	484	459
20	524	1080	1350	941	6570	4240	855	724	546	466	532	509
21	551	1080	1300	986	3490	3600	834	709	558	423	626	507
22	795	1190	1260	915	2550	2730	1150	770	586	393	690	498
23	1020	1380	1240	871	2280	2350	1270	689	555	372	508	459
24	1770	1330	1230	869	2060	2140	1200	691	543	429	488	438
25	1940	1210	1160	931	2260	2030	1180	712	537	600	456	456
26	1420	1170	1110	1220	2320	1910	1240	701	529	593	438	468
27	1080	1150	1010	1460	2230	1750	1260	684	510	587	467	472
28	930	1280	993	1370	2130	1740	1180	806	476	588	419	455
29	841	1560	1040	1170	---	1560	1150	1160	425	554	453	426
30	759	2650	1000	1100	---	1460	1070	1140	881	506	449	421
31	834	---	1100	1120	---	1350	---	924	---	474	464	---
TOTAL	25778	31163	53233	35454	61416	71309	31790	23435	18219	18028	15846	20591
MEAN	832	1039	1717	1144	2193	2300	1060	756	607	582	511	686
MAX	1940	2650	3850	1770	7110	6630	1270	1160	881	1500	857	1900
MIN	474	722	993	869	955	888	834	616	425	372	362	421

CAL YR 1985 TOTAL 619953 MEAN 1699 MAX 12300 MIN 474 MEAN† 1743 CFSM† 1.09 IN† 14.78
WTR YR 1986 TOTAL 406262 MEAN 1113 MAX 7110 MIN 362 MEAN† 1090 CFSM† .68 IN† 9.24

†ADJUSTED FOR CHANGE IN CONTENTS IN CARTERS LAKE AND CARTERS RE-REGULATION DAM.

02387500 OOSTANAULA RIVER AT RESACA, GA.--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.32	2.67	6.59	4.85	3.47	4.70	3.53	2.97	2.52	3.57	2.45	1.81
2	3.70	2.67	6.06	4.60	3.38	4.26	3.38	2.92	2.31	4.01	2.71	1.81
3	3.75	2.83	5.53	4.11	3.26	4.18	3.38	2.60	2.23	2.79	1.93	1.90
4	3.41	2.91	5.03	3.83	3.22	3.84	3.31	2.47	2.13	2.44	1.70	2.91
5	2.99	3.01	4.67	3.66	3.37	3.67	3.22	2.43	2.03	2.22	1.64	4.41
6	2.73	3.02	4.60	3.57	3.46	3.78	3.03	2.57	2.12	2.18	1.55	4.77
7	2.55	3.21	4.50	3.73	3.59	3.31	3.03	2.41	2.16	2.04	1.51	3.33
8	2.38	2.94	4.35	3.61	3.57	3.10	3.14	2.55	2.14	1.95	1.50	2.56
9	2.37	2.86	4.06	3.64	3.56	3.04	3.41	2.48	2.34	1.87	2.22	2.14
10	2.02	2.81	3.82	3.62	3.36	2.92	3.41	2.38	2.38	1.76	2.75	1.83
11	1.88	2.67	3.72	3.56	3.34	2.88	3.19	2.35	2.38	1.69	2.34	1.79
12	1.94	2.64	4.17	3.63	3.94	3.08	3.04	2.19	2.53	1.67	2.05	2.35
13	1.98	2.62	6.78	3.53	3.93	6.77	2.98	2.21	2.36	1.76	1.73	3.99
14	2.00	2.54	7.91	3.40	3.85	10.90	2.92	2.28	2.09	1.72	1.68	3.16
15	2.01	2.50	6.73	3.32	5.16	11.40	2.96	2.35	2.15	1.89	1.70	2.49
16	1.95	2.53	5.29	3.35	5.61	9.41	3.03	2.36	1.94	2.07	1.74	2.15
17	1.95	2.61	4.85	3.39	5.65	6.95	2.94	2.38	2.05	1.94	1.70	2.04
18	1.97	2.64	4.59	3.40	11.26	5.85	2.87	2.25	2.01	1.80	1.58	1.91
19	1.98	3.28	4.44	3.24	11.96	6.41	2.81	2.28	2.01	1.78	1.85	1.79
20	2.01	3.29	4.03	3.19	11.31	8.42	2.77	2.44	1.98	1.77	1.98	1.92
21	2.08	3.28	3.94	3.29	7.36	7.54	2.72	2.40	2.01	1.66	2.22	1.92
22	2.68	3.51	3.85	3.14	5.91	6.21	3.38	2.55	2.08	1.57	2.37	1.89
23	3.15	3.87	3.82	3.04	5.48	5.58	3.63	2.36	2.00	1.52	1.92	1.78
24	4.60	3.78	3.79	3.03	5.11	5.24	3.48	2.36	1.97	1.68	1.87	1.73
25	4.89	3.55	3.64	3.17	5.45	5.04	3.44	2.41	1.96	2.13	1.78	1.78
26	3.94	3.45	3.54	3.76	5.54	4.83	3.56	2.38	1.93	2.12	1.73	1.81
27	3.29	3.43	3.34	4.24	5.40	4.56	3.61	2.34	1.88	2.10	1.81	1.82
28	2.98	3.67	3.30	4.07	5.22	4.53	3.43	2.62	1.79	2.11	1.67	1.77
29	2.78	4.20	3.40	3.67	---	4.21	3.37	3.36	1.65	2.02	1.77	1.69
30	2.59	6.09	3.32	3.51	---	4.00	3.21	3.33	2.71	1.89	1.76	1.68
31	2.76	---	3.51	3.56	---	3.80	---	2.88	---	1.81	1.80	---
MEAN	2.70	3.17	4.55	3.60	5.20	5.30	3.21	2.51	2.13	2.05	1.90	2.30
MAX	4.89	6.09	7.91	4.85	11.96	11.40	3.63	3.36	2.71	4.01	2.75	4.77
MIN	1.88	2.50	3.30	3.03	3.22	2.88	2.72	2.19	1.65	1.52	1.50	1.68

CAL YR 1985 MEAN 4.31 MAX 17.32 MIN 1.88
WTR YR 1986 MEAN 3.21 MAX 11.96 MIN 1.50

02387500 OOSTANAULA 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 1985 TO SEPTEMBER 1986

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	TEMPER-ATURE WATER (DEG C)	SEDI-MENT, SUS-PENDED (MG/L)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY)
NOV					
07...	1800	1050	13.0	22	62
07...	1805	1050	13.0	23	65
DEC					
17...	1620	1780	7.0	13	62
17...	1625	1780	7.0	13	62
FEB					
06...	1210	1090	10.0	24	70
06...	1215	1090	10.0	23	67
MAR					
13...	1645	4770	--	397	5120
13...	2146	5900	--	339	5400
13...	2151	5900	--	374	5950
14...	1200	6250	--	312	5260
14...	1205	6250	--	316	5330
16...	1028	5230	--	206	2910
16...	1033	5230	--	96	1350
17...	1011	3250	--	74	649
17...	1016	3250	--	72	632
JUN					
11...	1315	708	25.0	27	52
11...	1320	708	25.0	29	55
JUL					
17...	1300	539	26.0	24	35
17...	1305	539	26.0	25	36

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	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
MAR							
13...	1640	4770	89	95	97	99	100
13...	1645	4770	91	--	--	--	--
16...	1028	5230	88	--	--	--	--
16...	1029	5230	89	--	--	--	--

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	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
MAR									
05...	1118	1310	<1	1	4	32	79	98	100
05...	1119	1310	<1	<1	1	6	49	95	100
05...	1120	1310	<1	<1	1	7	69	99	100

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 mi^2.
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 determination of Discharge, Specific Conductance, pH, Water Temperature Air Temperature, and Dissolved Oxygen is by the U.S. Geological Survey. Flow regulated by Carters Lake and Carters re-regulatation 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 1985 TO SEPTEMBER 1986

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM)	PH (STAND-ARD UNITS)	PH LAB (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	TEMPER-ATURE, AIR (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)
OCT										
30...	1130	784	136	131	7.30	7.50	17.5	17.5	7.1	76
NOV										
19...	1130	1170	88	93	7.50	7.30	18.5	24.0	6.8	74
DEC										
18...	1215	1630	--	91	7.30	7.40	4.5	2.0	9.6	--
JAN										
30...	1215	1100	160	149	7.40	7.50	4.5	1.5	11.0	85
FEB										
27...	1130	2300	94	87	7.50	7.30	12.0	12.5	10.2	97
MAR										
26...	1215	1970	106	98	7.50	7.30	16.0	23.0	9.4	95
APR										
30...	1145	1110	96	96	7.50	7.30	20.5	27.5	7.8	88
MAY										
28...	1130	797	125	135	7.50	7.40	21.5	27.0	6.8	78
JUN										
24...	0800	531	125	131	7.40	7.10	23.0	28.0	7.3	87
JUL										
30...	1115	513	82	86	7.40	7.50	25.5	33.0	7.0	87
AUG										
26...	1000	432	82	81	7.50	7.40	25.0	30.0	6.9	84
SEP										
24...	1045	428	98	100	7.40	7.70	25.0	29.0	7.4	91

DATE	TUR-BID-ITY (NTU)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, FECAL, EC BROTH (MPN)	HARD-NESS (MG/L AS CACO3)	HARD-NESS NONCARB WH WAT TOT LAB MG/L AS CACO3	ALKA-LINITY 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...	15	1.4	130	54	6	48	0.260	0.120	0.300	6.6
NOV										
19...	15	0.2	490	38	3	35	0.150	0.050	0.080	9.1
DEC										
18...	10	1.9	790	38	5	33	0.280	0.080	0.230	2.4
JAN										
30...	6.0	1.5	490	58	10	48	0.530	0.090	1.03	3.9
FEB										
27...	14	1.5	50	38	6	32	0.420	0.050	0.160	5.2
MAR										
26...	15	1.0	220	36	0	38	0.310	0.060	0.160	4.5
APR										
30...	12	1.1	130	40	8	32	0.480	0.100	0.230	4.0
MAY										
28...	16	1.6	220	52	5	47	0.480	0.070	0.350	22
JUN										
24...	11	2.4	--	38	3	35	0.220	0.070	0.780	4.2
JUL										
30...	17	1.1	80	30	0	31	0.230	0.080	0.080	4.7
AUG										
26...	16	--	490	30	0	31	0.210	0.050	0.050	2.6
SEP										
24...	12	0.9	310	40	6	34	0.290	0.040	0.110	3.6

02388300 HEATH CREEK NEAR ROME, GA.

LOCATION.--Lat 34°21'57", long 85°16'17", Floyd County, Hydrologic Unit 03150103, on upstream left wingwall of bridge on county road, 4 mi upstream from Little Armuchee Creek, and 9.5 mi northwest of Rome.
DRAINAGE AREA.--14.7 mi .
PERIOD OF RECORD.--May 1968 to current year.
REVISED RECORDS.--WRD GA-80-1: Drainage area. WRD GA-82-1: 1981.
GAGE.--Water-stage recorder. Datum of gage is 643.15 ft above National Geodetic Vertical Datum of 1929 (levels by Georgia Power Company).
REMARKS.--No estimated daily discharges. Records good.
AVERAGE DISCHARGE.--18 years, 26.3 ft^3/s, 24.30 in/yr.
EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 10.03 ft Mar. 4, 1979 (discharge not determined); minimum daily discharge, 0.64 ft^3/s July 31, 1986.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 400 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)
Feb. 18	0530	*217	*3.76

Minimum daily discharge, 0.64 ft^3/s July 31.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.5	5.7	8.9	25	6.4	9.4	7.0	3.0	2.1	2.3	.92	2.0
2	4.0	4.7	9.9	14	6.0	8.8	6.8	2.8	2.1	2.7	.84	1.7
3	2.7	3.9	6.8	11	5.8	8.3	6.5	2.5	2.0	1.8	.65	2.0
4	2.3	5.2	6.0	9.1	5.9	7.6	6.0	2.5	1.9	1.5	.81	3.0
5	2.1	4.5	5.7	7.8	7.3	7.1	5.7	2.6	1.8	1.5	.77	3.0
6	1.9	4.1	5.4	6.9	7.7	6.9	5.5	2.6	1.9	1.4	.68	1.7
7	1.9	3.7	4.7	6.6	7.2	6.5	5.3	2.7	1.8	1.3	.77	1.5
8	1.9	3.4	4.4	6.0	6.6	6.0	14	2.6	1.8	1.3	2.5	1.3
9	1.8	3.0	4.0	5.6	6.3	5.8	10	2.6	1.8	1.1	2.3	1.3
10	1.8	2.8	4.2	5.6	6.0	5.8	7.4	2.3	1.7	1.1	2.2	1.3
11	1.8	2.8	3.6	5.3	6.4	5.7	6.9	2.2	1.7	1.1	1.5	1.4
12	1.7	2.9	6.3	5.0	5.7	5.6	6.5	2.3	2.3	.98	1.2	8.4
13	1.7	2.9	20	4.8	5.6	57	6.1	2.2	1.9	1.0	1.2	3.1
14	1.8	3.2	10	4.5	9.2	46	5.9	2.2	1.6	1.0	1.2	1.9
15	1.7	3.2	7.1	4.3	21	38	5.4	2.1	1.6	1.6	1.1	1.6
16	1.8	3.0	6.3	4.2	15	30	5.0	2.0	1.5	1.2	1.1	1.5
17	1.7	3.3	5.6	4.1	48	24	4.6	1.9	1.4	1.1	1.0	1.5
18	1.9	3.8	5.1	4.2	150	19	4.5	1.9	1.4	1.1	1.3	1.5
19	2.1	3.4	4.5	5.4	72	29	4.3	2.6	1.3	.95	1.1	1.5
20	2.5	2.9	4.3	5.0	45	21	4.3	2.2	1.4	.92	.96	1.5
21	7.7	3.2	3.9	4.5	32	17	5.2	2.0	1.3	1.8	1.1	1.5
22	4.0	4.1	3.8	4.3	25	15	4.5	1.9	1.3	1.3	1.1	1.3
23	3.6	3.9	3.8	4.1	20	14	4.1	1.8	1.3	1.1	.92	1.4
24	5.2	3.4	3.5	3.9	18	13	4.0	1.8	1.6	1.0	1.3	1.3
25	4.9	3.1	3.2	4.4	15	11	3.8	2.2	1.8	.89	1.5	1.2
26	3.5	3.3	2.8	11	13	11	3.7	2.4	1.5	1.2	1.1	1.2
27	3.3	3.8	3.0	8.7	13	10	3.5	2.8	1.3	.96	1.3	1.3
28	4.8	3.6	3.4	7.1	10	9.1	3.3	4.3	1.2	1.1	1.8	1.2
29	3.8	5.9	3.0	7.4	---	8.4	3.6	4.1	1.8	1.0	1.3	1.2
30	3.3	7.4	2.8	7.2	---	7.8	3.2	2.7	3.0	.85	.97	1.2
31	4.3	---	23	6.7	---	7.4	---	2.4	---	.64	1.1	---
TOTAL	93.0	114.1	189.0	213.7	589.1	471.2	166.6	76.2	51.1	38.79	37.59	55.5
MEAN	3.00	3.80	6.10	6.89	21.0	15.2	5.55	2.46	1.70	1.25	1.21	1.85
MAX	7.7	7.4	23	25	150	57	14	4.3	3.0	2.7	2.5	8.4
MIN	1.7	2.8	2.8	3.9	5.6	5.6	3.2	1.8	1.2	.64	.65	1.2
CFSM	.20	.26	.42	.47	1.43	1.03	.38	.17	.12	.09	.08	.13
IN.	.24	.29	.48	.54	1.49	1.19	.42	.19	.13	.10	.10	.14

CAL YR 1985 TOTAL 4475.10 MEAN 12.3 MAX 294 MIN 1.7 CFSM .84 IN 11.32
WTR YR 1986 TOTAL 2095.88 MEAN 5.74 MAX 150 MIN .64 CFSM .39 IN 5.30

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, and 9.7 mi northwest of Rome.
DRAINAGE AREA.--16.6 mi^2.
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.--Estimated daily discharges: August 10-19. Records good, except those for the period of no gage height record, August 10-19, which are fair.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 900 ft^3/s May 8, 1984, gage height, 8.10 ft; minimum daily discharge, 0.90 ft^3/s July 31 and Aug. 3, 1986.
EXTREMES FOR CURRENT YEAR.--Peak discharge greater than base discharge of 400 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)
Feb. 18	0600	*239	*4.06

Minimum daily discharge, 0.90 ft^3/s July 31, Aug. 3.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.1	6.4	11	23	7.1	13	7.6	3.3	2.3	3.5	1.1	2.7
2	6.2	5.6	13	15	6.4	12	7.2	3.1	2.3	4.2	1.2	2.2
3	4.5	4.7	9.7	13	6.4	11	6.8	2.7	2.2	3.2	.90	2.6
4	4.1	6.2	8.4	11	6.4	9.8	6.1	2.7	2.3	2.2	1.0	4.1
5	3.8	5.6	7.6	9.3	8.0	8.9	5.7	2.7	2.2	2.3	1.1	4.7
6	3.6	5.0	7.2	8.0	8.7	8.3	5.3	2.7	2.2	2.1	.96	2.8
7	3.6	4.6	6.5	7.4	8.2	7.5	5.1	2.8	2.1	2.0	1.0	2.4
8	3.5	4.4	6.3	6.7	7.3	6.7	17	2.7	2.0	1.8	3.1	2.1
9	3.4	4.1	5.9	6.2	7.1	6.1	13	2.7	2.0	1.7	3.1	2.0
10	3.5	3.9	5.9	6.1	7.0	5.9	9.5	2.4	2.0	1.7	2.9	2.1
11	3.4	3.7	5.5	5.9	7.2	6.0	8.2	2.3	2.0	1.7	1.9	2.2
12	3.3	3.6	8.4	5.7	6.5	5.5	7.3	2.4	2.6	1.5	1.6	10
13	3.4	3.7	19	5.5	6.2	62	6.6	2.3	2.2	1.5	1.6	3.3
14	3.6	3.8	12	5.3	9.8	49	6.3	2.2	2.4	1.6	1.6	2.0
15	3.6	3.8	9.9	5.1	21	40	5.5	2.1	2.3	2.3	1.4	1.6
16	3.8	3.8	8.9	4.8	16	31	5.0	2.1	2.2	1.7	1.4	1.5
17	3.7	4.0	7.8	4.6	48	24	4.8	1.9	2.1	1.5	1.3	1.5
18	3.9	4.6	7.1	4.7	163	20	4.6	2.1	2.2	1.5	1.7	1.5
19	3.8	4.5	6.4	5.8	76	30	4.4	2.7	2.0	1.4	1.4	1.4
20	3.9	4.0	5.9	5.7	48	23	4.3	2.4	2.1	1.3	1.2	1.4
21	8.8	4.1	5.8	5.3	35	19	5.0	2.1	2.0	1.9	1.4	1.4
22	6.2	5.1	5.5	5.1	28	17	4.4	2.0	2.1	1.5	1.4	1.4
23	5.2	5.4	5.5	4.9	24	16	4.2	1.8	2.2	1.5	1.2	1.4
24	6.5	4.6	5.3	4.8	22	15	4.0	1.9	2.7	1.4	1.7	1.3
25	6.1	4.4	5.1	5.1	20	14	3.9	2.2	3.1	1.2	2.0	1.4
26	4.5	4.3	4.7	12	18	14	3.8	2.4	2.6	1.4	1.5	1.4
27	4.1	4.9	4.7	10	17	12	3.5	2.8	2.2	1.3	1.7	1.4
28	5.5	4.7	5.0	8.2	14	11	3.4	4.4	2.2	1.2	2.3	1.4
29	4.5	7.5	4.6	8.6	---	9.8	3.7	4.5	3.0	1.3	1.6	1.5
30	4.0	10	4.5	8.2	---	9.1	3.4	2.9	4.5	1.1	1.3	1.5
31	4.7	---	23	7.3	---	8.4	---	2.5	---	.90	1.5	---
TOTAL	140.8	145.0	246.1	238.3	652.3	525.0	179.6	79.8	70.3	55.40	49.06	68.2
MEAN	4.54	4.83	7.94	7.69	23.3	16.9	5.99	2.57	2.34	1.79	1.58	2.27
MAX	8.8	10	23	23	163	62	17	4.5	4.5	4.2	3.1	10
MIN	3.3	3.6	4.5	4.6	6.2	5.5	3.4	1.8	2.0	.90	.90	1.3
CFSM	.27	.29	.48	.46	1.40	1.02	.36	.16	.14	.11	.10	.14
IN.	.32	.32	.55	.53	1.46	1.18	.40	.18	.16	.12	.11	.15

CAL YR 1985 TOTAL 4625.20 MEAN 12.7 MAX 301 MIN 2.1 CFSM .77 IN 10.36
WTR YR 1986 TOTAL 2449.86 MEAN 6.71 MAX 163 MIN .90 CFSM .40 IN 5.49

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 mi^2.

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.--Estimated daily discharges: July 10-24, Sept. 11, 21-30. Records good, except for Aug. 4-10, 12-19, 23, 25, 26, which are fair, and for estimated daily discharges, which are poor. 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.--47 years, 3,610 ft^3/s, 23.12 in/yr, unadjusted.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 47,000 ft^3/s Jan. 23, 1947; maximum gage height, 35.13 ft Jan. 22, 1947; minimum daily discharge, 408 ft^3/s Oct. 25, 1954.

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.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 10,300 ft^3/s Feb. 19; gage height, 15.85 ft; minimum daily discharge, 410 ft^3/s Aug. 7.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	848	970	3250	2410	1420	2470	1560	1080	886	1180	545	583
2	1040	945	3280	2420	1310	2020	1420	990	744	1490	760	608
3	1440	916	2760	2080	1260	1850	1350	935	691	1350	747	598
4	1320	951	2490	1780	1220	1790	1330	786	664	874	532	655
5	1130	1110	2290	1560	1290	1580	1280	730	629	734	490	1280
6	903	1150	2000	1400	1390	1510	1190	752	598	639	450	1880
7	795	1190	1980	1440	1440	1520	1100	815	624	621	410	1720
8	757	1200	1860	1460	1440	1260	1280	774	595	592	532	1050
9	706	1110	1660	1420	1370	1130	1600	795	625	549	470	757
10	696	939	1570	1430	1310	1100	1460	759	753	520	662	645
11	782	855	1460	1430	1290	1080	1370	687	749	500	827	550
12	586	940	1510	1320	1310	1080	1250	656	757	500	662	646
13	540	943	2620	1310	1600	3390	1150	653	782	510	532	933
14	528	939	4340	1320	1580	7620	1090	667	703	510	524	1340
15	565	906	4250	1250	2350	8220	1080	688	569	510	499	965
16	607	931	3150	1250	2820	7540	1090	709	571	520	470	716
17	553	797	2360	1150	3110	5320	1100	719	564	590	532	639
18	556	770	2190	1290	7630	3800	1050	680	597	520	511	623
19	574	1080	2000	1270	9730	4030	1010	693	582	510	458	583
20	541	1350	1870	1180	8750	5100	966	729	584	500	561	557
21	556	1170	1670	1200	6820	5270	947	784	578	490	1010	550
22	821	1220	1560	1200	4050	4170	969	752	549	480	923	540
23	991	1410	1530	1120	3190	3290	1260	773	549	470	671	540
24	1480	1400	1490	1070	2800	2860	1310	705	596	470	575	530
25	2190	1270	1470	1110	2670	2620	1240	685	680	575	524	520
26	1960	1250	1330	1490	2820	2470	1220	690	592	685	499	510
27	1410	1240	1330	1760	2770	2280	1240	721	582	636	628	500
28	1180	1250	1310	1850	2640	2110	1240	762	580	641	734	490
29	1070	1430	1210	1680	---	2050	1190	1120	567	648	547	480
30	959	2150	1210	1480	---	1810	1170	1280	705	597	533	480
31	892	---	1510	1410	---	1670	---	1140	---	546	523	---
TOTAL	28976	33782	64510	45540	81380	94010	36512	24709	19245	19957	18341	22468
MEAN	935	1126	2081	1469	2906	3033	1217	797	642	644	592	749
MAX	2190	2150	4340	2420	9730	8220	1600	1280	886	1490	1010	1880
MIN	528	770	1210	1070	1220	1080	947	653	549	470	410	480

CAL YR 1985 TOTAL 812290 MEAN 2225 MAX 16300 MIN 528 MEAN† 2269 CFSM† 1.07 IN† 14.53
WTR YR 1986 TOTAL 489430 MEAN 1341 MAX 9730 MIN 410 MEAN† 1318 CFSM† .62 IN† 8.44

†ADJUSTED FOR CHANGE IN CONTENTS IN CARTERS LAKE AND CARTER'S RE-REGULATION DAM.

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 mi^2, 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 chemical 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 is by the U.S. Geological Survey. Discharge obtained from gaging station 02388500, Oostanaula River near Rome, Ga.

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM)	PH (STAND-ARD UNITS)	PH LAB (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	TEMPER-ATURE, AIR (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)
OCT										
31...	1145	860	160	148	7.30	7.20	18.5	17.5	7.2	79
NOV										
20...	1230	1730	--	132	7.40	7.50	18.0	23.0	6.8	--
DEC										
17...	1130	2240	--	103	6.80	7.60	12.0	5.5	6.6	--
JAN										
29...	1130	1740	168	168	6.90	7.60	--	5.0	9.6	--
FEB										
26...	1115	2850	--	109	7.10	7.40	12.0	11.5	10.2	--
MAR										
25...	1100	2420	124	112	7.50	7.20	13.5	22.0	9.6	91
APR										
29...	1030	1060	128	116	7.40	7.30	20.0	23.5	7.8	86
MAY										
29...	1315	1260	148	156	7.40	7.10	22.5	29.5	6.8	80
JUN										
25...	0830	560	133	139	7.60	7.40	26.0	25.0	7.2	90
JUL										
31...	1230	545	120	130	8.80	8.90	27.0	33.5	7.0	89
AUG										
27...	1230	555	116	114	7.40	7.40	26.5	25.0	5.4	68
SEP										
25...	1215	520	132	136	7.30	7.40	27.5	30.0	6.6	85

DATE	TUR-BID-ITY (NTU)	OXYGEN DEMAND, CHEM-ICAL (LOW LEVEL) (MG/L)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, CON-FIRMED (MPN)	COLI-FORM, FECAL, EC BROTH (MPN)	HARD-NESS (MG/L AS CACO3)	HARD-NESS NONCARB WH WAT TOT LAB MG/L AS CACO3	ALKA-LINITY LAB (MG/L AS CACO3)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)
OCT									
31...	7.0	--	--	--	--	62	6	56	12
NOV									
20...	11	--	1.1	4900	490	78	27	51	17
DEC									
17...	20	--	1.7	7900	1300	44	4	40	26
JAN									
29...	14	--	2.0	13000	230	74	15	59	6
FEB									
26...	19	--	1.9	3300	80	44	2	42	31
MAR									
25...	12	--	1.3	1300	230	58	13	45	24
APR									
29...	10	--	1.6	1200	110	46	4	42	6
MAY									
29...	11	--	1.1	6400	1200	58	10	48	20
JUN									
25...	15	--	3.0	1400	230	50	8	42	34
JUL									
31...	18	23	1.2	--	20	46	6	40	36
AUG									
27...	25	10	2.5	--	13000	48	5	43	31
SEP									
25...	11	10	2.0	--	330	50	7	43	15

02388520 OOSTANAULA RIVER AT ROME, GA.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

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							
31...	0.390	0.100	--	--	--	0.280	3.4
NOV							
20...	0.290	0.110	--	--	--	0.080	4.5
DEC							
17...	0.370	0.050	--	--	--	0.150	3.7
JAN							
29...	0.470	0.190	--	--	--	0.730	3.9
FEB							
26...	0.520	0.110	--	--	--	0.130	4.0
MAR							
25...	0.400	0.060	--	--	--	0.110	5.3
APR							
29...	0.330	0.130	--	--	--	0.270	7.8
MAY							
29...	0.540	0.180	--	--	--	0.470	4.4
JUN							
25...	0.170	0.070	--	--	--	0.500	5.5
JUL							
31...	<0.020	0.040	0.86	0.90	--	0.350	6.3
AUG							
27...	0.410	0.050	0.45	0.50	0.91	0.260	8.0
SEP							
25...	0.540	<0.020	--	0.40	0.94	0.300	3.8

02388530 OOSTANAULA RIVER AT 5TH AVENUE, AT ROME, GA.

LOCATION.--Lat 34°15'24", long 85°10'18", Floyd County, Hydrologic Unit 03150103, at Fifth Avenue Bridge at Rome, and 0.3 mi upstream from confluence with Etowah River.
DRAINAGE AREA.--2,150 mi^2, 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.--No gage-height record: July 21-24, Aug. 1, 5-8, 15-20, 25, 26, 31, Sept. 20, 21, 24-30. 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 ft 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, 11.95 ft Feb. 19.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.06	4.32	6.10	5.65	4.47	5.50	4.70	4.10	3.48	3.70	---	2.91
2	4.57	4.37	6.46	5.63	3.96	4.74	4.57	4.00	3.29	4.00	3.06	2.94
3	4.72	3.63	7.69	5.35	3.90	4.54	4.50	3.96	3.67	3.88	3.15	2.92
4	4.53	3.62	8.75	4.97	4.37	4.69	4.47	3.31	3.64	3.30	2.76	3.00
5	4.27	5.49	8.33	4.28	4.49	4.47	4.42	3.22	3.61	3.07	---	3.89
6	3.53	5.56	6.76	4.30	4.13	4.37	3.90	3.74	3.57	2.87	---	4.40
7	3.37	5.59	6.41	4.86	4.63	4.37	3.77	3.82	3.60	2.83	---	4.28
8	3.79	5.65	4.64	4.88	4.64	4.10	4.41	3.78	3.05	2.87	---	3.55
9	3.74	5.56	4.69	4.85	4.07	3.71	4.78	3.81	3.09	2.81	2.75	3.17
10	3.73	3.63	5.94	4.86	4.04	3.68	4.63	3.76	3.78	2.78	2.99	2.94
11	5.38	3.73	5.85	4.65	4.47	3.87	4.52	3.21	3.85	2.75	3.29	2.76
12	4.24	5.47	5.96	3.99	4.52	3.87	4.37	3.15	3.82	2.75	3.08	2.97
13	2.98	5.50	7.14	4.18	4.92	6.09	3.83	3.64	3.80	2.73	2.94	3.29
14	2.93	5.50	8.35	4.73	4.78	9.78	3.74	3.63	3.67	2.72	2.74	3.83
15	3.53	5.46	6.98	4.66	5.45	10.36	4.20	3.66	2.97	2.78	---	3.43
16	3.89	5.26	6.20	4.46	5.52	9.64	4.19	3.71	2.95	2.77	---	3.10
17	3.52	3.44	6.54	3.97	5.82	7.81	4.19	3.74	3.46	2.78	---	2.91
18	3.55	3.68	6.24	4.50	9.58	6.62	4.15	3.19	3.45	2.75	---	2.84
19	3.58	6.29	5.20	3.95	11.34	7.00	4.10	3.24	3.46	2.73	---	2.79
20	2.98	6.89	5.09	4.03	10.66	7.90	3.61	3.80	3.44	2.74	---	---
21	2.98	5.83	4.79	4.42	9.30	8.05	3.57	3.93	3.42	---	3.64	---
22	4.30	5.92	4.31	4.39	6.99	7.09	4.04	3.82	2.82	---	3.43	2.82
23	4.59	5.80	4.34	4.30	5.86	6.06	4.33	3.80	2.83	---	3.09	2.77
24	5.07	4.16	5.20	4.24	5.58	5.64	4.38	3.70	3.46	---	2.80	---
25	5.66	4.24	5.20	4.17	5.79	5.78	4.29	3.18	3.56	2.83	---	---
26	5.49	5.86	5.33	4.21	5.89	5.63	4.26	3.20	3.42	3.11	---	---
27	4.11	5.87	5.80	4.62	5.85	5.48	3.85	3.69	3.40	2.99	3.46	---
28	3.87	5.92	5.45	5.04	5.73	5.29	3.83	3.88	3.39	3.01	3.47	---
29	4.44	6.18	3.94	4.86	---	5.20	4.21	4.67	2.78	3.12	2.86	---
30	4.32	6.52	3.97	4.70	---	4.56	4.18	4.61	2.99	2.86	2.77	---
31	4.23	---	4.84	4.60	---	4.39	---	4.24	---	2.76	---	---
MEAN	4.06	5.16	5.89	4.59	5.74	5.82	4.20	3.72	3.39	---	---	---
MAX	5.66	6.89	8.75	5.65	11.34	10.36	4.78	4.67	3.85	---	---	---
MIN	2.93	3.44	3.94	3.95	3.90	3.68	3.57	3.15	2.78	---	---	---

CAL YR 1985 MEAN 5.53 MAX 19.49 MIN 2.93

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 gaging-station is located on the left bank, 0.5 mi upstream from the bridge.
DRAINAGE AREA.--107 mi^2.
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.

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM)	PH (STAND-ARD UNITS)	PH LAB (STAND-ARD UNITS)	TEMPER-ATURE WATER (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)
FEB									
25...	0830	155	20	22	7.00	7.50	6.5	11.1	94
AUG									
12...	0700	40	21	23	6.60	7.30	23.5	6.6	81

DATE	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (NTU)	HARD-NESS (MG/L AS CACO3)	HARD-NESS NONCARB WH WAT TOT LAB 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)	PERCENT SODIUM	SODIUM AD-SORP-TION RATIO	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY LAB (MG/L AS CACO3)	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO2)
FEB												
25...	5	22	6	0	1.4	0.60	1.6	34	0.3	0.70	7.0	1.4
AUG												
12...	10	6.8	6	0	1.4	0.70	1.7	33	0.3	1.0	9.0	4.4

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)	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)
FEB												
25...	1.6	1.2	<0.10	9.3	12	21	5.0	0.02	0.100	0.140	0.010	0.020
AUG												
12...	2.7	1.0	<0.10	8.5	16	23	1.7	0.02	0.100	0.150	<0.010	<0.010

DATE	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)	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)
FEB											
25...	0.29	0.18	0.30	0.20	0.40	<0.010	<0.010	0.6	20	<1	<1
AUG											
12...	--	--	0.30	0.30	0.40	0.030	0.020	4.0	30	<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)
FEB											
25...	<1	<10	<1	93	<1	3	14	0.20	0.1	<1	8
AUG											
12...	<1	<10	1	170	<5	<5	24	0.30	0.2	<1	10

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 mi^2.

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.--Estimated daily discharges: Jan. 28-30. Records good.
AVERAGE DISCHARGE.--59 years (water years 1897-1905, 1937-86), 1,240 ft^3/s, 27.47 in/yr.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 32,300 ft^3/s Jan. 7, 1946, gage height, 26.7 ft; minimum, 120 ft^3/s July 23, 24, 1986.
EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum discharge known, 36,700 ft^3/s in January 1892, gage height, 25.0 ft, present datum, from National Weather Service. Maximum stage known since at least 1892, that of Jan. 7, 1946.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 6,500 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)
Nov. 30	1900	*3,090	*6.32

Minimum discharge, 120 ft^3/s July 23, 24, gage height, 0.94.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	502	663	2170	1170	517	624	613	433	476	270	219	278
2	879	1220	1610	941	504	592	604	418	435	372	220	522
3	850	962	1230	735	496	589	592	404	408	350	182	784
4	744	820	1000	664	489	580	581	394	385	321	159	1010
5	610	730	880	620	541	564	575	387	379	260	143	584
6	518	647	814	586	608	552	564	388	373	231	135	520
7	474	613	758	567	622	543	555	390	360	214	132	398
8	453	602	717	551	589	531	575	440	346	202	145	346
9	439	567	694	525	543	517	757	405	362	191	178	299
10	429	541	676	529	528	520	689	375	349	179	161	267
11	420	529	656	532	570	528	593	369	358	170	166	255
12	409	526	723	515	572	527	569	375	353	163	159	426
13	398	523	962	500	520	762	556	367	331	174	155	601
14	397	519	1010	489	520	1750	546	398	311	175	161	408
15	402	509	830	483	699	1450	536	405	298	182	159	318
16	402	503	752	477	707	1170	521	378	287	174	155	280
17	395	504	717	475	661	929	501	432	278	170	164	259
18	389	528	695	492	967	809	502	389	269	160	164	249
19	390	559	670	684	1200	916	502	406	266	181	158	258
20	384	555	652	724	957	1410	501	750	254	156	354	270
21	394	585	643	596	828	1170	527	585	245	144	453	255
22	518	666	616	550	764	960	542	438	237	130	336	240
23	672	713	614	530	716	857	504	389	227	122	245	228
24	636	647	615	510	678	793	479	367	220	125	202	218
25	606	593	600	503	669	754	471	357	235	411	179	213
26	603	588	548	607	642	717	469	352	216	353	163	207
27	523	603	543	656	639	696	461	489	208	229	185	203
28	509	605	644	480	670	670	450	1120	200	220	258	198
29	511	795	590	520	---	647	464	1450	201	210	256	191
30	478	2240	565	560	---	636	461	833	251	187	208	189
31	483	---	605	540	---	623	---	571	---	160	188	---
TOTAL	15817	20655	24799	18311	18416	24386	16260	15254	9118	6586	6142	10474
MEAN	510	689	800	591	658	787	542	492	304	212	198	349
MAX	879	2240	2170	1170	1200	1750	757	1450	476	411	453	1010
MIN	384	503	543	475	489	517	450	352	200	122	132	189
CFSM	.83	1.12	1.31	.96	1.07	1.28	.88	.80	.50	.35	.32	.57
IN.	.96	1.25	1.50	1.11	1.12	1.48	.99	.93	.55	.40	.37	.64

CAL YR 1985 TOTAL 312683 MEAN 857 MAX 4360 MIN 346 CFSM 1.40 IN 18.98
WTR YR 1986 TOTAL 186218 MEAN 510 MAX 2240 MIN 122 CFSM .83 IN 11.30

02392000 ETOWAH RIVER AT CANTON, GA.--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.00	2.30	4.85	3.29	2.16	2.27	2.34	1.93	2.03	1.47	1.31	1.41
2	2.70	3.29	3.93	2.94	2.14	2.21	2.32	1.89	1.93	1.77	1.32	2.06
3	2.64	2.84	3.31	2.56	2.12	2.21	2.30	1.85	1.86	1.71	1.18	2.57
4	2.45	2.59	2.91	2.44	2.11	2.19	2.27	1.83	1.80	1.63	1.10	3.05
5	2.20	2.43	2.70	2.35	2.21	2.16	2.26	1.81	1.79	1.45	1.03	2.24
6	2.03	2.27	2.58	2.29	2.33	2.14	2.24	1.81	1.77	1.35	1.00	2.10
7	1.95	2.21	2.48	2.26	2.36	2.12	2.22	1.82	1.74	1.30	.99	1.81
8	1.91	2.19	2.40	2.23	2.30	2.10	2.26	1.94	1.70	1.25	1.04	1.67
9	1.89	2.13	2.36	2.18	2.21	2.07	2.64	1.85	1.74	1.21	1.17	1.53
10	1.87	2.08	2.33	2.18	2.18	2.08	2.50	1.78	1.71	1.17	1.10	1.44
11	1.85	2.05	2.29	2.19	2.26	2.09	2.30	1.76	1.73	1.14	1.12	1.40
12	1.83	2.05	2.41	2.16	2.27	2.09	2.25	1.78	1.72	1.11	1.10	1.85
13	1.81	2.04	2.84	2.13	2.17	2.52	2.22	1.76	1.66	1.15	1.08	2.28
14	1.81	2.04	2.92	2.11	2.17	4.39	2.20	1.84	1.60	1.16	1.11	1.83
15	1.82	2.02	2.61	2.10	2.50	3.94	2.17	1.86	1.56	1.18	1.10	1.59
16	1.82	2.01	2.47	2.09	2.51	3.38	2.14	1.78	1.53	1.15	1.08	1.48
17	1.80	2.01	2.40	2.08	2.42	2.96	2.09	1.92	1.50	1.14	1.12	1.41
18	1.79	2.05	2.36	2.12	2.92	2.74	2.09	1.81	1.47	1.10	1.12	1.38
19	1.79	2.11	2.32	2.47	3.30	2.93	2.09	1.85	1.47	1.18	1.09	1.41
20	1.78	2.10	2.28	2.55	2.88	3.86	2.09	2.61	1.43	1.08	1.67	1.45
21	1.80	2.16	2.27	2.31	2.65	3.38	2.15	2.28	1.40	1.04	1.89	1.40
22	2.03	2.31	2.22	2.22	2.53	3.02	2.19	1.94	1.37	.98	1.59	1.35
23	2.32	2.40	2.21	2.19	2.44	2.83	2.10	1.81	1.34	.95	1.32	1.31
24	2.25	2.27	2.21	2.15	2.37	2.71	2.04	1.76	1.32	.96	1.17	1.28
25	2.20	2.17	2.19	2.13	2.35	2.63	2.02	1.73	1.37	1.83	1.09	1.26
26	2.19	2.16	2.09	2.33	2.30	2.56	2.02	1.71	1.30	1.71	1.03	1.24
27	2.04	2.19	2.03	2.42	2.30	2.52	2.00	2.06	1.28	1.35	1.11	1.23
28	2.02	2.20	2.27	2.10	2.36	2.46	1.97	3.31	1.25	1.32	1.36	1.21
29	2.02	2.54	2.17	2.17	---	2.42	2.00	3.95	1.25	1.28	1.35	1.19
30	1.96	4.94	2.12	2.31	---	2.39	2.00	2.78	1.42	1.20	1.20	1.18
31	1.97	---	2.20	2.21	---	2.37	---	2.25	---	1.10	1.12	---
MEAN	2.02	2.34	2.54	2.30	2.39	2.64	2.18	2.03	1.57	1.27	1.20	1.62
MAX	2.70	4.94	4.85	3.29	3.30	4.39	2.64	3.95	2.03	1.83	1.89	3.05
MIN	1.78	2.01	2.03	2.08	2.11	2.07	1.97	1.71	1.25	.95	.99	1.18

CAL YR 1985 MEAN 2.67 MAX 8.43 MIN 1.71
WTR YR 1986 MEAN 2.01 MAX 4.94 MIN .95

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 determination of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen is 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 1985 TO SEPTEMBER 1986

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM)	PH (STAND-ARD UNITS)	PH LAB (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	TEMPER-ATURE, AIR (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)
DEC										
18...	1445	694	44	38	7.10	7.00	5.0	5.0	8.2	65
JAN										
30...	1430	560	44	37	7.10	7.00	9.0	8.0	10.2	89
APR										
30...	1345	458	44	37	7.20	7.00	18.5	30.0	9.5	104
SEP										
24...	0815	221	46	47	7.00	7.50	23.0	24.0	7.6	91

DATE	TUR-BID-ITY (NTU)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, FECAL, EC BROTH (MPN)	ALKA-LINITY 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)
DEC								
18...	9.0	1.9	170	15	0.280	0.090	0.090	1.9
JAN								
30...	20	1.3	20	15	0.250	0.070	<0.020	<1.0
APR								
30...	17	1.1	50	13	0.200	0.090	0.030	2.7
SEP								
24...	21	1.0	330	18	0.210	0.050	0.050	3.6

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 mi^2.

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.--No estimated daily discharges. Records good. Flow regulated by Allatoona Reservoir since December 1949. (See "Lakes and Reservoirs in Mobile River Basin," station 02393500.)
AVERAGE DISCHARGE.--48 years, 1,909 ft^3/s, 23.15 in/yr, adjusted for storage since 1950.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 40,400 ft^3/s Jan. 8, 1946, gage height 20.8 ft, from rating curve extended above 26,000 ft^3/s; minimum daily, 152 ft^3/s Oct. 15, 1966.
EXTREMES FOR CURRENT YEAR.--Maximum discharge, 9,130 ft^3/s Nov. 29, gage height, 7.45 ft; minimum daily, 301 ft^3/s Mar. 8.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	890	1390	338	1160	363	342	779	976	363	446	424	415
2	1050	345	3150	1150	363	343	845	980	990	447	441	413
3	986	353	5890	1140	1070	649	988	354	993	449	434	405
4	977	3110	5990	337	1060	640	867	353	991	448	433	409
5	350	3040	3170	343	363	641	350	980	990	366	429	402
6	353	3030	3240	1410	1070	637	344	982	994	363	425	403
7	914	3020	335	1410	1060	643	748	985	363	449	439	403
8	1000	3030	333	1400	357	301	999	988	365	450	422	396
9	1000	338	2740	1430	355	305	1010	1000	1000	452	428	394
10	3640	342	2670	1380	1060	633	994	363	996	444	430	366
11	1800	3130	2720	343	1050	634	993	363	998	439	428	402
12	306	2710	2750	343	1350	630	343	980	1000	353	426	394
13	317	3030	2730	1420	1050	640	343	1000	976	353	419	390
14	1040	2940	335	1410	1050	629	978	980	363	439	420	396
15	1340	3040	333	1410	353	306	978	980	363	447	415	396
16	1060	333	2420	353	353	306	979	1000	1000	419	418	395
17	987	337	2410	1400	1050	623	986	364	996	419	412	394
18	985	4120	859	353	1020	624	979	364	997	451	410	393
19	339	5100	1010	353	1050	633	348	1000	993	445	416	397
20	343	3480	1020	1050	1040	643	352	1000	1000	446	425	396
21	1680	3110	333	1050	1020	664	997	1010	358	441	420	447
22	1670	3120	333	1060	343	343	996	1000	360	445	421	361
23	1690	344	1730	1070	343	343	1000	1020	1010	443	426	382
24	1620	343	1740	1050	1030	983	986	366	1020	451	420	399
25	1740	3130	1730	353	1040	983	980	366	1010	448	423	397
26	333	3150	2920	357	1000	983	351	990	1020	429	419	399
27	334	3160	2950	1080	1000	982	353	990	1020	431	420	408
28	1400	3210	326	1070	1000	979	972	990	362	428	421	405
29	1420	3210	324	1070	---	344	980	990	363	430	418	410
30	1400	343	1160	1070	---	343	980	990	447	428	412	411
31	1380	---	1140	1060	---	726	---	363	---	424	415	---
TOTAL	34344	69338	59129	29885	23263	18475	23798	25067	23701	13323	13109	11978
MEAN	1108	2311	1907	964	831	596	793	809	790	430	423	399
MAX	3640	5100	5990	1430	1350	983	1010	1020	1020	452	441	447
MIN	306	333	324	337	343	301	343	353	358	353	410	361

CAL YR 1985 TOTAL 476805 MEAN 1306 MAX 5990 MIN 306 MEAN† 1270 CFSM† 1.13 IN† 15.41
WTR YR 1986 TOTAL 345410 MEAN 946 MAX 5990 MIN 301 MEAN† 747 CFSM† .67 IN† 9.07

†ADJUSTED FOR CHANGE IN CONTENTS IN ALLATOONA RESERVOIR.

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 determination of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen is by the U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM)	PH (STAND-ARD UNITS)	PH LAB (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	TEMPER-ATURE, AIR (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)
NOV										
19...	0930	8680	48	53	7.00	6.90	17.0	22.0	7.5	79
JAN										
29...	0945	3610	--	49	7.00	7.10	--	2.0	8.8	--
MAR										
25...	0845	343	55	51	7.30	6.80	11.0	14.0	10.0	90
MAY										
28...	0900	363	53	54	6.90	7.00	19.0	21.5	8.0	88
JUL										
30...	0900	363	56	56	6.90	7.00	24.5	28.0	5.2	64
SEP										
25...	1400	324	58	61	7.10	7.00	24.0	31.0	5.9	71

DATE	TUR-BID-ITY (NTU)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, FECAL, EC BROTH (MPN)	ALKA-LINITY LAB (MG/L AS CACO3)	SOLIDS, RESIDUE 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)
NOV											
19...	10	1.8	<20	18	5	0.140	0.130	<0.020	4.4	480	70
JAN											
29...	4.0	1.9	170	20	<1	0.310	0.120	<0.020	6.5	1400	60
MAR											
25...	2.0	0.3	80	23	<1	0.320	0.060	<0.020	4.3	130	15
MAY											
28...	<1.0	0.9	<20	16	<1	0.240	0.090	<0.020	2.2	130	25
JUL											
30...	3.0	0.5	20	20	<1	0.060	0.220	<0.020	4.8	140	160
SEP											
25...	<1.0	0.7	20	20	--	0.190	0.070	<0.020	2.3	150	65

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 mi^2.
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 determination of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen is 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 1985 TO SEPTEMBER 1986

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM)	PH (STAND-ARD UNITS)	PH LAB (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	TEMPER-ATURE, AIR (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)
OCT										
31...	1345	670	88	84	7.20	7.30	18.0	18.5	7.6	83
NOV										
20...	1400	3750	98	102	7.50	7.50	17.5	24.0	8.0	85
DEC										
17...	0930	1490	72	73	6.80	7.50	11.5	5.0	6.7	62
JAN										
29...	1030	1580	120	117	7.10	7.60	--	2.0	11.2	--
FEB										
26...	0945	990	--	120	7.30	7.50	9.5	10.5	10.8	--
MAR										
25...	0930	920	--	85	7.50	6.90	13.0	18.5	9.8	--
APR										
29...	1000	860	--	76	7.30	7.30	17.0	23.0	8.2	--
MAY										
29...	1415	1370	88	95	7.30	7.10	22.0	30.0	7.0	81
JUN										
25...	0700	760	88	93	7.20	7.00	22.0	22.0	7.1	83
JUL										
31...	1330	570	140	149	7.70	7.60	25.0	34.5	6.8	84
AUG										
27...	1345	700	160	158	7.40	7.60	26.0	25.5	5.8	73
SEP										
25...	1330	485	152	160	7.60	7.80	26.0	31.0	5.6	70

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 (MG/L AS CACO3)	HARD-NESS NONCARB WH WAT TOT LAB MG/L AS CACO3	ALKA-LINITY LAB (MG/L AS CACO3)	SOLIDS, RESIDUE 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)
OCT										
31...	4.0	1	--	--	32	2	30	<5	0.180	0.070
NOV										
20...	14	3	1.1	170000	42	8	34	27	0.230	0.090
DEC										
17...	10	8	1.4	75	28	2	26	7	0.300	0.100
JAN										
29...	5.0	4	1.2	40	--	--	40	<1	0.410	0.060
FEB										
26...	4.0	5	1.7	50	46	6	40	2	0.540	0.070
MAR										
25...	8.0	3	1.0	80	28	0	28	10	0.360	0.040
APR										
29...	8.0	4	0.7	230	30	2	28	<1	0.360	0.130
MAY										
29...	300	9	2.4	13000	32	2	30	280	0.370	0.160
JUN										
25...	8.0	9	1.4	110	30	3	27	16	0.320	0.120
JUL										
31...	17	--	1.1	140	53	9	44	22	0.290	0.050
AUG										
27...	13	--	1.3	700	60	10	50	20	0.300	0.060
SEP										
25...	7.0	--	1.3	130	56	7	49	10	0.320	0.050

02394980 ETOWAH RIVER NEAR EUHARLEE, GA.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN,AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT					
31...	0.03	0.10	0.28	0.040	3.2
NOV					
20...	0.31	0.40	0.63	<0.020	2.6
DEC					
17...	0.0	0.10	0.40	<0.020	2.8
JAN					
29...	--	<0.10	--	0.090	4.8
FEB					
26...	0.13	0.20	0.74	0.040	2.8
MAR					
25...	0.36	0.40	0.76	0.030	5.1
APR					
29...	0.07	0.20	0.56	0.030	4.8
MAY					
29...	0.14	0.30	0.67	0.150	7.7
JUN					
25...	0.08	0.20	0.52	0.060	6.8
JUL					
31...	--	--	--	0.100	6.4
AUG					
27...	--	--	--	0.120	4.3
SEP					
25...	--	--	--	0.120	2.4

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 mi^2, 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.--No estimated daily discharges. Records good. 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.--53 years (water years 1929-31, 1937-86), 2,581 ft^3/s, 21.50 in/yr, unadjusted.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 42,700 ft^3/s Apr. 9, 1938, gage height, 27.7 ft; minimum daily, 268 ft^3/s Oct. 19, 1931.
EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known, about 31 ft Dec. 11, 1919, from information by local resident, discharge, 52,000 ft^3/s.
EXTREMES FOR CURRENT YEAR.--Maximum discharge, 8,110 ft^3/s Nov. 19, gage height, 10.08 ft; minimum daily, 407 ft^3/s July 6.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1730	1610	1260	1710	608	686	1310	1170	585	552	518	588
2	1660	1710	2480	1680	608	659	1330	1160	739	586	500	624
3	1430	732	5400	1680	619	1000	1320	1180	1160	567	499	603
4	1320	1550	6120	1180	1360	975	1310	543	1190	501	491	629
5	1080	3110	4260	620	1380	944	1290	556	1170	520	479	841
6	612	3070	3610	1750	662	930	662	1200	1170	407	474	587
7	598	3070	2110	1750	1410	923	669	1180	993	428	468	590
8	1190	3070	674	1780	1370	574	1300	1180	521	506	495	570
9	1180	2230	2040	1690	602	550	1340	1170	710	522	503	545
10	2700	629	3030	1660	1330	542	1340	1170	1270	481	553	520
11	2670	1880	2990	662	1350	923	1300	556	1310	514	559	497
12	1300	3180	3160	632	1620	899	1280	685	1240	491	527	575
13	535	3230	3570	1640	1410	1130	628	1180	1190	427	509	530
14	560	3170	2300	1690	1370	1630	644	1140	976	418	493	544
15	1780	3170	970	1690	776	1550	1320	1170	502	557	493	549
16	893	1940	1900	626	793	941	1270	1210	675	485	468	525
17	1190	629	2830	1630	1460	846	1250	1010	1150	462	484	511
18	1190	3140	2370	614	1520	1120	1270	538	1120	468	498	520
19	1150	4410	1410	656	1640	1220	1230	590	1120	437	513	520
20	535	3440	1390	1500	1570	1490	593	1310	1110	478	490	496
21	1230	3280	701	1480	1490	1460	601	1320	956	493	678	526
22	1910	3350	666	1500	779	1270	1260	1230	453	489	575	586
23	2010	2040	1350	1480	750	863	1240	1170	599	479	506	509
24	1980	672	2100	1450	1380	832	1230	1140	1100	590	501	511
25	1890	1940	2160	638	1470	1460	1200	486	1100	525	504	508
26	1170	3300	3020	674	1410	1450	1200	671	1110	705	495	508
27	620	3330	3150	1540	1400	1430	576	1200	1110	530	580	489
28	671	3360	1460	1410	1400	1380	546	1340	929	795	707	502
29	1630	3500	645	1400	---	1350	1190	2110	435	606	615	519
30	1590	2340	1430	1440	---	722	1170	1390	500	527	545	473
31	1560	---	1650	1400	---	691	---	1070	---	503	557	---
TOTAL	41564	76082	72206	41252	33537	32440	32869	33025	28193	16049	16277	16495
MEAN	1341	2536	2329	1331	1198	1046	1096	1065	940	518	525	550
MAX	2700	4410	6120	1780	1640	1630	1340	2110	1310	795	707	841
MIN	535	629	645	614	602	542	546	486	435	407	468	473

CAL YR 1985 TOTAL 660292 MEAN 1809 MAX 8570 MIN 528 MEAN† 1773 CFSM† 1.09 IN† 14.74
WTR YR 1986 TOTAL 439989 MEAN 1205 MAX 6120 MIN 407 MEAN† 1006 CFSM† .62 IN† 8.36

†ADJUSTED FOR CHANGE IN CONTENTS IN ALLATOONA RESERVOIR.

02395000 ETOWAH RIVER NEAR KINGSTON, GA.--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 1969 to June 1974. April 1981 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	TEMPER-ATURE WATER (DEG C)	SEDI-MENT, SUS-PENDED (MG/L)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY)
NOV					
04...	1805	743	15.0	4	8.0
04...	1810	743	15.0	7	14
DEC					
16...	1225	896	8.0	13	31
16...	1230	896	8.0	14	34
FEB					
03...	1255	687	10.5	3	5.6
JUL					
21...	1445	394	30.0	7	7.4
21...	1450	394	30.0	7	7.4

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	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
MAR							
05...	1315	561	<1	1	11	27	57
05...	1316	561	<1	<1	2	8	15
05...	1317	561	<1	3	23	74	95
05...	1318	561	2	9	41	84	98

DATE	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	BED MAT. SIEVE DIAM. % FINER THAN 32.0 MM	BED MAT. SIEVE DIAM. % FINER THAN 64.0 MM
MAR						
05...	68	86	100	--	--	--
05...	20	25	34	49	67	100
05...	96	100	--	--	--	--
05...	99	100	--	--	--	--

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 mi^2.
PERIOD OF RECORD.--May 1980 to current year.
GAGE.--Water-stage recorder. Elevation of gage is 730 ft above National Geodetic Vertical Datum of 1929 (from topographic map).
REMARKS.--No estimated daily discharges. Records fair.
AVERAGE DISCHARGE.--6 years, 39.2 ft^3/s, 16.08 in/yr.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,180 ft^3/s Feb. 3, 1982, gage height, 7.91 ft; minimum discharge, 5.1 ft^3/s Aug. 16, 25, 1986.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 500 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)
Oct. 1	1000	*118	*1.89

Minimum daily discharge, 5.1 ft^3/s Aug. 16, 25.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	56	13	14	19	14	17	19	11	11	21	11	11
2	21	12	14	15	13	16	18	10	9.5	22	7.8	10
3	14	12	12	15	14	16	17	9.7	9.3	12	7.1	8.8
4	13	11	12	15	13	16	17	9.8	9.4	11	6.0	15
5	12	11	11	14	16	16	16	12	9.0	11	6.1	24
6	12	10	11	14	17	16	16	11	8.9	8.1	6.3	11
7	12	10	12	14	16	15	15	9.8	8.3	8.4	6.0	8.4
8	11	10	12	13	15	16	22	9.2	8.0	8.0	7.2	7.2
9	11	9.6	12	13	15	15	23	8.7	8.7	7.6	11	6.9
10	11	8.9	11	13	15	15	18	8.3	8.9	7.8	7.7	6.8
11	11	8.4	12	14	16	15	17	8.9	9.9	6.9	7.6	6.8
12	11	8.5	14	13	14	15	16	9.4	8.3	7.0	7.6	12
13	11	8.5	23	13	14	34	16	9.2	7.8	7.0	7.0	8.6
14	12	7.7	17	13	17	45	16	8.7	7.8	6.6	6.6	7.0
15	12	7.6	14	13	28	45	15	8.7	7.8	7.9	5.7	6.4
16	13	7.8	14	13	21	36	14	15	8.1	7.3	5.1	6.5
17	12	8.6	13	13	22	30	14	13	7.1	6.5	5.4	6.7
18	12	8.6	13	13	34	26	14	11	7.0	6.8	5.3	6.9
19	12	8.8	12	15	30	69	14	15	6.9	6.4	5.2	7.0
20	12	8.8	12	14	26	53	14	13	6.3	6.2	5.7	7.0
21	13	10	12	13	24	40	14	11	6.0	6.0	25	6.9
22	13	12	12	13	23	34	15	9.8	6.0	5.9	7.5	6.9
23	13	9.9	12	13	20	31	14	9.5	6.0	6.6	5.9	6.6
24	14	9.7	12	13	20	28	13	9.0	5.9	6.2	5.2	6.9
25	13	9.7	12	14	19	26	14	8.9	7.7	7.0	5.1	6.4
26	12	9.6	11	17	18	25	13	9.8	6.3	6.9	5.5	6.4
27	12	11	11	15	18	24	12	10	6.0	6.8	13	6.9
28	15	10	12	14	17	23	12	20	6.4	7.0	14	6.9
29	12	13	11	14	---	22	12	29	6.9	6.7	8.4	6.8
30	11	16	11	14	---	20	11	14	15	6.0	7.1	6.9
31	12	---	17	14	---	19	---	12	---	5.8	7.7	---
TOTAL	431	301.7	398	433	529	818	461	354.4	240.2	256.4	241.8	251.6
MEAN	13.9	10.1	12.8	14.0	18.9	26.4	15.4	11.4	8.01	8.27	7.80	8.39
MAX	56	16	23	19	34	69	23	29	15	22	25	24
MIN	11	7.6	11	13	13	15	11	8.3	5.9	5.8	5.1	6.4
CFSM	.42	.31	.39	.42	.57	.80	.47	.34	.24	.25	.24	.25
IN.	.48	.34	.45	.49	.59	.92	.52	.40	.27	.29	.27	.28

CAL YR 1985 TOTAL 8458.8 MEAN 23.2 MAX 275 MIN 7.6 CFSM .70 IN 9.51
WTR YR 1986 TOTAL 4716.1 MEAN 12.9 MAX 69 MIN 5.1 CFSM .39 IN 5.30

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, 2 mi upstream from confluence with Oostanaula River.
DRAINAGE AREA.--1,820 mi^2.

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.--No estimated daily discharges. Flow regulated by Allatoona Reservoir since 1949. (See "Lakes and Reservoirs in Mobile River Basin," station 02393500.)
AVERAGE DISCHARGE.--64 years (water years 1905-20, 1939-86), 2,959 ft^3/s, 22.08 in/yr, unadjusted.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 55,000 ft^3/s Dec. 11, 1919, gage height, over 28 ft, at former site at Freemans Ferry, computed from data at upstream stations; minimum daily, 360 ft^3/s Oct. 10, 1904.
EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known, that of Dec. 11, 1919. Flood of Apr. 9, 1938, reached a stage of 37.5 ft, discharge, 46,500 ft^3/s, from gage readings and discharge measurements by U.S. Army Corps of Engineers.
EXTREMES FOR CURRENT YEAR.--Maximum discharge, 8,420 ft^3/s Dec. 5, gage height, 13.96 ft, minimum daily discharge, 529 ft^3/s July 14.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1800	1830	1270	1680	1160	1190	1470	1290	654	701	623	742
2	2170	1920	1900	1670	707	717	1460	1290	629	726	642	770
3	1780	894	4380	1680	711	764	1470	1300	1290	661	612	773
4	1630	826	6090	1430	1480	1060	1460	599	1290	664	595	743
5	1540	3350	5480	734	1510	1030	1450	602	1290	632	607	1040
6	781	3330	3800	1240	783	1010	751	1320	1280	533	586	725
7	764	3330	3090	1840	1520	988	731	1290	1290	550	583	693
8	1440	3350	846	1830	1510	967	1450	1300	567	654	617	688
9	1430	3350	1460	1850	726	610	1490	1310	601	629	689	687
10	1490	789	3240	1840	946	612	1480	1300	1330	627	649	663
11	3730	1360	3230	1330	1490	976	1460	605	1450	625	694	609
12	2320	3500	3320	729	1580	968	1420	591	1380	646	659	703
13	727	3540	3650	1220	1700	902	732	1310	1340	536	637	696
14	704	3520	3040	1800	1500	1030	703	1270	1300	529	617	639
15	1420	3500	992	1820	1310	1080	1440	1280	573	639	613	658
16	1780	2910	1480	1330	818	537	1390	1320	566	634	606	655
17	1420	764	3060	1180	1020	644	1380	1340	1290	573	598	633
18	1420	1560	2780	1320	1030	1110	1400	605	1260	596	588	628
19	1410	4520	1530	736	892	1190	1380	646	1280	615	650	625
20	690	4820	1570	1180	948	1430	695	1410	1270	596	666	632
21	689	3600	1250	1560	1050	1330	675	1460	1270	603	964	610
22	2110	3670	794	1520	1110	1320	1380	1370	547	634	739	677
23	2220	3010	1090	1500	715	901	1360	1320	550	628	677	633
24	2280	815	2290	1490	964	866	1360	1270	1280	727	620	624
25	2140	1400	2300	1160	1520	1580	1330	555	1300	706	605	621
26	2120	3570	2760	751	1450	1580	1320	569	1260	812	644	613
27	760	3600	3340	1150	1450	1580	631	1250	1290	697	857	613
28	784	3620	2570	1520	1450	1540	615	1360	1300	809	927	594
29	1870	3760	807	1500	---	1510	1170	2140	561	852	790	598
30	1840	3120	984	1530	---	803	1290	1730	653	683	723	607
31	1820	---	1710	1500	---	788	---	1430	---	636	687	---
TOTAL	49079	83128	76103	43620	33050	32613	36343	36432	31941	20153	20764	20192
MEAN	1583	2771	2455	1407	1180	1052	1211	1175	1065	650	670	673
MAX	3730	4820	6090	1850	1700	1580	1490	2140	1450	852	964	1040
MIN	689	764	794	729	707	537	615	555	547	529	583	594

CAL YR 1985 TOTAL 745550 MEAN 2043 MAX 10100 MIN 661 MEAN† 2007 CFSM† 1.10 IN† 14.98
WTR YR 1986 TOTAL 483418 MEAN 1324 MAX 6090 MIN 529 MEAN† 1125 CFSM† .62 IN† 8.39

†ADJUSTED FOR CHANGE IN CONTENTS IN ALLATOONA RESERVOIR.

02396000 ETOWAH RIVER AT ROME, 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 determination of Discharge, Specific Conductance, pH, Water Temperatuare, Air Temperature, and Dissolved Oxygen is by the U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM)	PH (STAND-ARD UNITS)	PH LAB (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	TEMPER-ATURE, AIR (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)
OCT										
31...	1100	3450	--	80	7.80	7.30	18.0	17.0	7.8	--
NOV										
20...	1200	3620	58	63	7.30	7.20	18.5	23.0	7.0	76
DEC										
17...	1045	4000	74	69	6.70	7.50	12.0	5.5	6.8	63
JAN										
29...	1100	859	--	125	7.00	7.70	--	5.0	10.2	--
FEB										
26...	1030	898	--	122	6.90	7.60	13.0	10.5	9.6	--
MAR										
25...	1015	3110	160	153	7.80	7.70	15.0	20.5	10.2	100
APR										
29...	1045	2670	165	149	7.80	7.80	17.0	23.0	7.9	82
MAY										
29...	1230	2470	112	119	7.50	7.20	22.0	27.0	6.6	77
JUN										
25...	0745	2740	110	115	7.50	7.40	25.0	23.5	7.1	87
JUL										
31...	1130	836	132	136	7.60	7.70	26.0	32.0	6.8	85
AUG										
27...	1145	813	165	164	7.50	7.80	26.5	25.0	7.2	91
SEP										
25...	1135	770	155	159	7.80	7.80	26.0	28.0	6.8	85

DATE	TUR-BID-ITY (NTU)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, FECAL, EC BROTH (MPN)	HARD-NESS (MG/L AS CACO3)	HARD-NESS NONCARB WH WAT TOT LAB MG/L AS CACO3	ALKA-LINITY LAB (MG/L AS CACO3)	SOLIDS, RESIDUE 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											
31...	8.0	--	--	32	1	31	35	0.170	0.060	0.060	3.9
NOV											
20...	17	1.4	--	20	0	22	30	0.180	0.090	0.040	3.3
DEC											
17...	34	1.4	330	24	0	27	61	0.290	0.060	0.040	3.1
JAN											
29...	7.0	1.2	50	52	8	44	4	0.410	<0.020	0.100	2.1
FEB											
26...	5.0	1.7	20	50	7	43	2	0.530	0.050	0.030	3.6
MAR											
25...	12	0.4	320	62	2	60	41	0.290	0.050	0.040	4.8
APR											
29...	15	1.7	330	64	3	61	20	0.350	0.150	0.030	3.9
MAY											
29...	40	1.6	460	46	10	36	96	0.360	0.120	0.030	2.7
JUN											
25...	30	2.0	790	40	3	37	69	0.300	0.100	0.070	3.0
JUL											
31...	22	0.9	110	50	3	47	10	0.400	0.050	0.060	4.0
AUG											
27...	11	0.8	330	66	8	58	18	0.270	0.050	0.060	9.0
SEP											
25...	5.0	0.8	65	66	10	56	9	0.350	0.040	0.070	20

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 shoreward side of lock wall of Mayos 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 mi^2, 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 1906: 1959(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.--No estimated daily discharges. Records good. Flow regulated by Allatoona Reservoir since December 1949 and by Carters Lake and Carters re-regulation Reservoir since November 1974. (See "Lakes and Reservoirs in Mobile River Basin, stations 02381400, 02382400 and 02393500.)
AVERAGE DISCHARGE.--55 years (water years 1897-1903, 1929-31, 1938-58, 1963-86), 6,699 ft^3/s, 22.52 in/yr, unadjusted.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge 65,000 ft^3/s Jan. 22, 1947, gage height, 37.0 ft; minimum daily, 870 ft^3/s Oct. 18-22, 1931.
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 ft^3/s, from rating curve extended above 63,000 ft^3/s on basis of peak flow at Gadsden, Ala.
EXTREMES FOR CURRENT YEAR.--Maximum discharge, 11,300 ft^3/s Feb. 19, gage height, 15.60 ft; minimum daily, 1,040 ft^3/s Aug. 7.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2220	2510	4690	4020	2820	3790	3050	2470	1870	2020	1180	1340
2	2830	2570	5080	4000	2190	2790	2920	2370	1660	2310	1410	1380
3	2940	1780	6650	3650	2150	2640	2850	2330	2100	2250	1530	1360
4	2720	1720	8000	3200	2700	2790	2820	1630	2070	1670	1210	1410
5	2440	4020	7500	2360	2750	2600	2760	1530	2040	1470	1120	2230
6	1670	4120	5560	2400	2380	2500	2170	2100	1990	1320	1070	2720
7	1520	4150	5180	3150	2840	2500	2050	2210	2010	1270	1040	2660
8	1950	4220	2700	3170	2890	2280	2760	2170	1450	1320	1090	1950
9	1920	4120	2770	3140	2330	1860	3200	2210	1460	1240	1210	1560
10	1900	1810	4570	3180	2260	1820	3020	2170	2190	1210	1340	1380
11	4020	1860	4460	2970	2770	2050	2900	1570	2270	1150	1640	1210
12	2480	4010	4620	2120	2790	2080	2740	1500	2240	1160	1480	1400
13	1260	4070	5990	2290	3240	4490	2130	2050	2200	1060	1370	1650
14	1190	4060	7310	3040	3050	8480	2030	2050	2090	1060	1180	2220
15	1730	4010	5490	2980	3970	9280	2550	2080	1390	1180	1110	1840
16	2100	3810	4580	2810	3890	8430	2550	2130	1370	1210	1110	1520
17	1730	1620	5230	2130	4350	6660	2560	2170	1900	1190	1140	1370
18	1750	1770	4880	2840	8500	5290	2520	1550	1900	1170	1120	1300
19	1760	5120	3410	2120	10500	5750	2470	1590	1900	1130	1130	1260
20	1230	5870	3290	2210	9710	6760	1930	2220	1880	1110	1190	1200
21	1210	4600	2980	2700	8110	6930	1870	2390	1870	1130	2010	1200
22	2530	4700	2360	2660	5550	5810	2400	2270	1270	1110	1810	1280
23	2890	4580	2380	2580	4130	4530	2690	2250	1260	1080	1480	1240
24	3370	2400	3460	2520	3860	3990	2750	2140	1900	1170	1230	1190
25	4080	2460	3480	2460	4210	4290	2660	1580	2000	1250	1170	1140
26	3900	4650	3640	2360	4290	4100	2630	1570	1870	1480	1170	1130
27	2210	4670	4370	2760	4250	3920	2130	2150	1850	1410	2000	1140
28	1990	4710	4010	3370	4090	3670	2100	2340	1830	1410	2000	1120
29	2660	5010	2050	3190	---	3570	2560	3320	1220	1530	1340	1120
30	2530	5400	2070	3030	---	2750	2540	3210	1370	1300	1230	1100
31	2430	---	3000	2930	---	2590	---	2750	---	1190	1200	---
TOTAL	71160	110400	135760	88340	116570	130990	76310	66070	54420	41560	41310	44620
MEAN	2295	3680	4379	2850	4163	4225	2544	2131	1814	1341	1333	1487
MAX	4080	5870	8000	4020	10500	9280	3200	3320	2270	2310	2010	2720
MIN	1190	1620	2050	2120	2150	1820	1870	1500	1220	1060	1040	1100

CAL YR 1985 TOTAL 1444900 MEAN 3959 MAX 25300 MIN 1190 MEAN† 3967 CFSM† 0.98 IN† 13.33
WTR YR 1986 TOTAL 977510 MEAN 2678 MAX 10500 MIN 1040 MEAN† 2456 CFSM† 0.61 IN† 8.26

†ADJUSTED FOR CHANGE IN CONTENTS IN CARTERS LAKE, CARTERS RE-REGULATION DAM, AND ALLATOONA RESERVOIR.

02397000 COOSA RIVER NEAR ROME, GA.--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11.95	12.11	13.01	12.82	12.19	12.71	12.39	12.05	11.64	11.73	11.05	11.19
2	12.31	12.15	13.18	12.81	11.85	12.28	12.33	11.98	11.50	11.90	11.25	11.22
3	12.36	11.68	13.85	12.67	11.82	12.19	12.28	11.96	11.77	11.86	11.37	11.20
4	12.25	11.65	14.39	12.48	12.12	12.28	12.27	11.51	11.76	11.48	11.08	11.25
5	12.09	12.78	14.20	12.04	12.18	12.17	12.24	11.44	11.74	11.32	10.99	11.82
6	11.61	12.84	13.45	12.04	11.96	12.10	11.91	11.81	11.70	11.17	10.93	12.13
7	11.50	12.85	13.30	12.41	12.23	12.10	11.84	11.88	11.72	11.13	10.91	12.10
8	11.78	12.88	12.26	12.42	12.26	11.99	12.22	11.86	11.32	11.17	10.95	11.66
9	11.77	12.84	12.27	12.40	11.93	11.73	12.45	11.88	11.33	11.11	11.08	11.39
10	11.75	11.71	13.05	12.41	11.89	11.70	12.36	11.85	11.83	11.08	11.20	11.22
11	12.77	11.72	13.01	12.31	12.19	11.85	12.30	11.46	11.88	11.02	11.46	11.07
12	12.12	12.82	13.07	11.87	12.20	11.87	12.22	11.40	11.86	11.03	11.33	11.23
13	11.25	12.85	13.62	11.96	12.42	12.93	11.88	11.77	11.83	10.93	11.22	11.42
14	11.19	12.84	14.13	12.33	12.34	14.58	11.81	11.77	11.76	10.94	11.05	11.82
15	11.61	12.82	13.43	12.30	12.70	14.88	12.11	11.79	11.25	11.06	10.98	11.57
16	11.87	12.72	13.05	12.21	12.67	14.56	12.11	11.82	11.23	11.08	10.98	11.35
17	11.62	11.58	13.32	11.84	12.86	13.80	12.11	11.84	11.62	11.07	11.02	11.20
18	11.64	11.65	13.18	12.23	14.58	13.25	12.10	11.44	11.62	11.05	11.00	11.14
19	11.65	13.22	12.58	11.85	15.32	13.46	12.07	11.47	11.62	11.02	11.00	11.10
20	11.23	13.52	12.52	11.90	15.04	13.88	11.73	11.87	11.61	10.99	11.05	11.05
21	11.21	12.99	12.37	12.17	14.43	13.94	11.70	11.97	11.60	11.01	11.70	11.05
22	12.10	13.03	12.06	12.14	13.45	13.52	12.02	11.90	11.15	11.00	11.57	11.12
23	12.29	12.98	12.06	12.09	12.86	13.02	12.17	11.89	11.13	10.96	11.32	11.08
24	12.54	12.00	12.61	12.06	12.75	12.80	12.20	11.81	11.62	11.04	11.09	11.04
25	12.85	12.01	12.62	12.02	12.89	12.92	12.16	11.45	11.70	11.12	11.03	11.00
26	12.77	13.01	12.68	11.97	12.92	12.84	12.14	11.44	11.60	11.32	11.03	10.99
27	11.97	13.02	12.97	12.19	12.90	12.77	11.86	11.81	11.58	11.26	11.54	10.99
28	11.83	13.04	12.81	12.47	12.84	12.67	11.84	11.94	11.57	11.27	11.67	10.97
29	12.19	13.16	11.87	12.38	---	12.63	12.10	12.41	11.09	11.38	11.18	10.98
30	12.13	13.33	11.87	12.30	---	12.27	12.09	12.39	11.23	11.16	11.08	10.96
31	12.07	---	12.39	12.25	---	12.18	---	12.15	---	11.06	11.05	---
MEAN	11.94	12.59	12.94	12.24	12.78	12.83	12.10	11.81	11.56	11.18	11.17	11.28
MAX	12.85	13.52	14.39	12.82	15.32	14.88	12.45	12.41	11.88	11.90	11.70	12.13
MIN	11.19	11.58	11.87	11.84	11.82	11.70	11.70	11.40	11.09	10.93	10.91	10.96

CAL YR 1985 MEAN 12.82 MAX 22.16 MIN 11.19
WTR YR 1986 MEAN 12.03 MAX 15.32 MIN 10.91

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 1986.
INSTRUMENTATION.--Water-temperature recorder. Water temperature recorded hourly.
REMARKS.--Laboratory chemical 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 CURRENT YEAR.--
WATER TEMPERATURE: Maximum recorded, 31.0°C, July 19, 21; minimum recorded, 4.5°C, Feb. 13.

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM)	PH (STAND-ARD UNITS)	PH LAB (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	TEMPER-ATURE, AIR (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)
OCT										
31...	0930	3070	148	135	7.60	7.20	17.5	16.5	7.3	78
NOV										
20...	1030	7050	--	74	7.30	7.20	18.5	22.0	7.0	--
DEC										
17...	1245	5880	122	111	7.30	7.60	11.5	12.5	6.8	63
JAN										
29...	1315	2750	--	135	7.40	7.60	3.5	12.0	10.4	--
FEB										
26...	1300	4130	--	111	7.50	7.50	9.5	17.0	10.0	--
MAR										
25...	1300	5160	--	129	7.60	7.40	12.5	26.5	10.2	--
APR										
29...	1315	3340	134	129	7.60	7.40	19.0	25.0	7.5	81
MAY										
29...	1000	4570	142	148	7.50	7.40	22.5	26.0	6.4	75
JUN										
25...	1100	2740	162	167	7.80	7.60	27.0	28.0	7.8	99
JUL										
31...	0930	1100	138	140	8.10	8.10	28.0	28.0	7.5	98
AUG										
27...	0930	1180	158	154	7.40	7.70	27.0	26.0	6.6	84
SEP										
25...	0930	1090	148	149	7.60	7.80	25.0	25.0	6.5	80

02397000 COOSA RIVER NEAR ROME, GA.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TURBIDITY (NTU)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	COLIFORM, FECAL, EC BROTH (MPN)	HARDNESS (MG/L AS CACO3)	HARDNESS NONCARB WH WAT TOT LAB MG/L AS CACO3	ALKALINITY LAB (MG/L AS CACO3)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT										
31...	50	--	--	56	7	49	0.320	0.260	0.240	6.1
NOV										
20...	60	1.1	--	26	2	24	0.190	0.100	0.050	6.6
DEC										
17...	40	1.2	700	50	8	42	0.360	0.060	0.130	5.2
JAN										
29...	54	2.2	17000	54	6	48	0.390	0.160	0.450	3.1
FEB										
26...	10	2.1	4900	46	4	42	0.540	0.110	0.100	5.0
MAR										
25...	10	1.4	80	52	0	54	0.360	0.070	0.110	5.2
APR										
29...	25	4.8	490	48	2	46	0.350	0.250	0.250	14
MAY										
29...	35	1.7	4600	54	5	49	0.450	0.200	0.250	10
JUN										
25...	20	3.0	4900	58	10	48	0.280	0.070	0.300	4.7
JUL										
31...	15	1.3	3600	54	6	48	0.130	<0.020	0.140	5.6
AUG										
27...	15	2.1	700	62	7	55	0.270	0.040	0.160	6.0
SEP										
25...	10	1.3	130	60	7	53	0.360	0.050	0.180	3.1

02397000 COOSA RIVER NEAR ROME, GA.--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR FEBRUARY 1986 TO SEPTEMBER 1986

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

	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	17.5	16.0	20.0	17.0	24.5	24.0	27.5	26.5	28.5	27.0	21.5	20.5
2	17.5	15.0	20.0	15.0	25.0	24.5	26.5	25.5	27.5	26.5	20.5	20.5
3	17.5	14.5	20.0	13.0	25.0	24.5	25.5	25.0	27.0	26.5	21.5	20.5
4	17.5	14.5	22.5	10.0	24.5	23.5	26.0	25.5	27.5	26.0	22.5	21.5
5	18.0	15.5	25.5	14.0	23.5	22.5	26.5	25.5	27.0	25.5	23.5	22.5
6	21.0	16.0	22.5	18.0	23.5	22.5	27.5	26.0	27.5	26.0	23.5	23.5
7	22.5	17.0	22.0	18.5	24.5	23.5	28.5	26.5	28.0	26.5	23.5	23.5
8	20.0	17.5	22.5	18.5	26.5	24.5	29.5	27.5	28.5	27.0	24.0	23.5
9	19.0	16.5	23.0	18.0	26.5	25.5	30.0	28.0	27.5	27.0	24.0	23.5
10	16.5	13.5	23.0	19.0	25.5	25.5	30.0	28.5	27.5	26.5	23.5	23.5
11	16.0	12.5	24.5	19.5	26.0	25.5	30.0	28.5	27.0	26.5	23.5	23.0
12	15.5	11.5	23.5	19.0	26.0	26.0	30.0	28.5	26.5	26.5	24.0	23.5
13	18.5	12.0	22.5	17.5	26.0	25.5	30.0	28.0	26.5	26.0	24.5	24.0
14	19.5	13.0	22.5	18.0	26.0	25.0	29.5	28.0	26.5	25.5	24.0	24.0
15	18.0	13.0	22.5	19.0	27.5	25.0	29.0	27.5	27.0	26.0	24.0	23.5
16	17.5	9.0	22.5	19.5	28.0	26.0	29.5	27.5	28.5	26.5	24.0	23.5
17	15.5	9.0	22.5	19.0	27.0	26.0	29.5	28.0	27.5	27.0	24.0	23.5
18	15.0	9.0	24.0	19.0	27.0	26.0	29.5	28.0	28.5	27.0	23.5	22.5
19	16.0	10.5	22.5	18.5	26.5	26.0	31.0	28.0	28.5	27.0	22.5	22.0
20	18.5	14.5	21.5	17.0	26.5	26.0	30.0	28.5	28.5	27.5	23.5	22.5
21	15.5	10.5	21.0	20.0	27.0	26.0	31.0	29.0	27.5	26.5	24.5	23.0
22	16.0	8.5	20.5	20.0	28.5	26.5	29.5	29.0	26.5	26.5	25.5	24.5
23	15.5	8.0	21.0	20.0	29.5	27.0	29.5	28.0	27.5	26.5	25.5	25.0
24	15.5	10.0	21.5	20.5	28.0	27.5	30.0	28.0	27.5	27.0	26.0	25.0
25	16.5	11.0	22.0	21.0	27.5	26.5	30.0	28.0	27.5	26.5	26.0	25.5
26	18.0	13.0	22.5	21.5	27.0	26.5	29.0	28.0	27.5	27.0	26.0	25.5
27	22.5	15.0	22.0	22.0	28.0	26.5	29.0	28.5	27.0	25.0	26.5	25.5
28	20.5	15.0	22.5	22.0	28.0	27.0	28.5	28.0	24.5	23.5	27.0	25.5
29	19.0	14.0	22.5	22.0	28.0	27.0	28.5	28.0	24.5	23.5	26.5	26.0
30	19.5	13.5	23.0	22.0	28.0	27.0	30.0	28.0	23.5	22.5	26.5	25.5
31	---	---	24.0	23.5	---	---	29.5	28.0	22.0	21.5	---	---
MONTH	22.5	8.0	25.5	10.0	29.5	22.5	31.0	25.0	28.5	21.5	27.0	20.5

02397080 COOSA RIVER AT PLANT HAMMOND, NEAR COOSA, GA.

LOCATION.--Lat 34°14'58", long 85°20'09", Floyd County, Hydrologic Unit 03150105, on right bank at upstream end of the Georgia Power Plant Hammond water intake, 0.6 mi upstream from bridge on State Highway 100, 1.6 mi downstream from Beech Creek, 1.2 mi southeast of Coosa, at mile 270.2.
DRAINAGE AREA.--4,100 mi^2, approximately.

GAGE-HEIGHT RECORDS

PERIOD OF RECORD.--February 1986 to September 1986.
GAGE.--Water-stage recorder. Elevation of gage is 550 ft above National Geodetic Vertical Datum of 1929 from Georgia Power staff gage.
EXTREMES FOR PERIOD OF RECORD.--February to September 1986: Maximum gage height, 13.60 ft, May 29.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1					---	11.32	12.92	12.50	13.18	13.12	12.09	11.51
2					---	11.19	12.88	12.49	13.21	13.20	12.08	11.44
3					---	11.25	12.82	12.51	13.12	13.09	12.17	11.36
4					---	11.27	12.80	12.60	13.10	12.96	12.17	11.43
5					---	11.20	12.76	12.66	13.08	12.87	12.11	11.71
6					---	11.14	12.92	12.68	13.05	12.84	12.00	12.00
7					---	11.06	12.98	12.68	13.08	12.86	11.89	12.19
8					---	10.99	12.93	12.67	13.16	12.80	11.85	12.27
9					---	11.05	13.01	12.66	13.22	12.73	11.94	12.23
10					---	11.16	12.90	12.68	13.25	12.63	12.06	12.18
11					---	11.14	12.80	12.80	13.20	12.53	12.13	12.14
12					---	11.04	12.85	12.88	13.14	12.47	12.06	12.17
13					---	11.56	12.97	12.84	13.05	12.51	11.93	12.20
14					---	12.64	13.01	12.78	13.02	12.46	11.81	12.36
15					---	13.10	12.96	12.74	13.09	12.40	11.67	12.41
16					---	13.07	12.83	12.72	13.12	12.35	11.64	12.32
17					---	12.79	12.71	12.73	13.08	12.32	11.73	12.16
18					---	12.34	12.55	12.83	13.02	12.29	11.73	12.04
19					---	12.55	12.57	13.02	12.99	12.31	11.63	11.97
20					---	12.86	12.72	13.23	12.98	12.38	11.48	11.97
21					12.32	12.83	12.85	13.33	13.00	12.40	11.47	12.06
22					11.27	12.46	12.70	13.31	13.07	12.35	11.40	12.09
23					11.11	12.37	12.56	13.24	13.10	12.28	11.36	12.03
24					11.31	12.50	12.56	13.22	13.06	12.25	11.43	11.92
25					11.39	12.49	12.55	13.32	13.05	12.24	11.39	11.69
26					11.46	12.53	12.49	13.41	13.03	12.26	11.33	11.36
27					11.49	12.59	12.64	13.43	12.99	12.35	11.46	11.28
28					11.44	12.51	12.71	13.38	13.02	12.40	11.55	11.35
29					---	12.60	12.60	13.40	13.08	12.35	11.39	11.32
30					---	12.78	12.54	13.23	13.12	12.27	11.31	11.15
31					---	12.89	---	13.06	---	12.19	11.46	---
MEAN					---	12.04	12.77	12.94	13.09	12.53	11.73	11.88
MAX					---	13.10	13.01	13.43	13.25	13.20	12.17	12.41
MIN					---	10.99	12.49	12.49	12.98	12.19	11.31	11.15

02397080 COOSA RIVER AT PLANT HAMMOND, NEAR COOSA, GA.--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--February 1986 to September 1986.
INSTRUMENTATION.--Water-temperature recorder. Water Temperature recorded hourly.
EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURE: Maximum, 37.5°C July 23, 24; minimum recorded, 8.0°C Mar. 2, 3.

TEMPERATURE, WATER (DEG. C), WATER YEAR FEBRUARY 1986 TO SEPTEMBER 1986

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

02397080 COOSA RIVER AT PLANT HAMMOND, NEAR COOSA, GA.--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR FEBRUARY 1986 TO SEPTEMBER 1986

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	17.0	16.5	19.5	19.5	27.5	23.0	33.0	27.5	36.0	34.5	26.5	23.5
2	17.5	17.0	19.5	19.5	28.5	26.0	29.5	26.5	35.0	32.5	25.5	21.5
3	17.5	17.5	19.5	19.5	26.0	24.5	29.0	26.0	32.5	29.0	26.5	22.0
4	17.5	17.5	23.5	19.5	27.5	24.5	29.5	26.5	33.5	31.0	26.5	25.5
5	17.5	17.5	24.5	19.5	28.0	24.0	31.5	28.5	31.0	30.5	25.0	21.5
6	18.5	17.5	24.5	19.5	27.5	23.5	33.0	30.5	31.5	30.0	23.0	22.5
7	19.0	18.0	23.0	19.5	26.0	24.0	33.5	31.5	35.0	31.5	23.0	23.0
8	19.0	19.0	24.5	21.5	30.5	27.0	34.0	32.0	35.5	34.0	26.5	23.0
9	19.0	18.0	25.5	22.0	31.5	29.5	35.5	33.5	33.5	30.5	27.5	24.0
10	18.0	16.5	26.0	22.0	31.0	26.0	36.0	34.5	34.0	31.0	28.5	25.0
11	16.5	15.5	26.5	22.5	30.0	26.0	36.5	35.0	31.5	28.0	28.0	25.0
12	16.0	15.5	27.0	25.0	29.0	26.0	36.0	34.0	30.0	27.5	29.5	25.5
13	16.0	15.5	26.5	22.0	29.5	26.0	33.5	31.5	31.0	28.5	26.5	23.5
14	17.0	15.5	24.0	21.5	30.0	26.0	35.5	32.0	33.0	30.0	24.0	23.5
15	17.0	16.0	25.5	21.5	32.0	28.5	36.0	35.0	34.0	30.0	25.0	24.0
16	17.0	17.0	22.0	21.5	32.0	29.0	35.5	35.0	34.0	30.5	28.0	24.0
17	17.0	15.5	22.5	22.0	32.0	26.5	35.5	33.5	32.0	29.0	27.5	25.0
18	15.5	15.0	27.5	22.5	31.0	27.0	36.0	34.5	32.5	30.0	27.0	25.0
19	15.0	15.0	27.0	25.0	30.5	27.0	36.0	35.5	30.5	30.0	28.0	24.5
20	17.5	15.0	26.0	22.0	28.0	26.5	36.5	36.0	30.5	29.0	26.5	24.5
21	18.5	15.5	23.5	21.0	27.5	26.0	37.0	35.0	29.5	28.0	28.5	26.0
22	16.0	16.0	23.0	20.5	33.5	27.0	37.0	35.5	28.5	27.5	28.5	26.0
23	16.0	15.5	22.5	20.0	34.0	31.5	37.5	36.0	29.5	27.5	29.0	27.0
24	15.5	15.0	23.5	20.0	34.0	28.5	37.5	36.5	30.0	27.0	30.0	27.5
25	16.0	15.0	23.0	21.0	31.5	28.5	36.0	34.5	31.5	29.0	31.0	28.0
26	17.0	16.0	23.5	21.0	32.0	28.0	35.0	34.0	35.5	30.0	31.5	28.0
27	18.5	17.0	23.0	22.0	32.0	28.0	35.0	31.5	35.0	27.5	29.5	28.0
28	18.5	18.5	22.5	22.5	32.5	28.0	35.0	33.5	27.5	25.5	30.0	28.5
29	19.0	18.5	25.0	22.5	34.5	31.0	35.0	32.0	26.5	23.5	31.5	28.0
30	19.5	19.0	22.5	22.0	33.5	32.0	35.5	34.0	27.0	25.5	31.0	28.0
31	---	---	23.0	22.5	---	---	36.0	34.5	27.0	26.0	---	---
MONTH	19.5	15.0	27.5	19.5	34.5	23.0	37.5	26.0	36.0	23.5	31.5	21.5
YEAR	37.5	8.0										

02397100 COOSA RIVER AT STATE HIGHWAY 100, NEAR COOSA, GA.

LOCATION.--Lat 34°15'55", long 85°21'20", Floyd County, Hydrologic Unit 03150105, in gage house on floating raft positioned just downstream of the State Highway 100 bridge.
DRAINAGE AREA.--4,110 mi^2.
PERIOD OF RECORD.--February 1986 to September 1986.
INSTRUMENTATION.--Water-quality monitor. Water Temperature recorded bi-hourly.
EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURE: Maximum, 40.0°C July 23; minimum recorded, 10.0°C March 2, 4.

TEMPERATURE, WATER (DEG. C), WATER YEAR FEBRUARY 1986 TO SEPTEMBER 1986

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

02397100 COOSA RIVER AT STATE HIGHWAY 100, NEAR COOSA, GA.--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR FEBRUARY 1986 TO SEPTEMBER 1986

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	20.0	19.0	21.0	20.5	30.0	26.5	35.0	31.5	38.5	36.0	28.5	26.5
2	21.0	19.5	24.0	20.5	31.0	29.5	32.5	30.5	38.0	35.5	28.5	25.5
3	21.0	19.0	24.0	22.0	30.5	26.0	31.0	28.5	36.0	32.5	28.5	26.5
4	21.5	18.5	25.0	21.5	29.5	26.5	32.0	29.0	36.5	33.5	29.0	28.0
5	21.5	19.0	26.0	22.0	30.0	28.0	34.0	30.0	34.5	31.0	29.0	26.5
6	23.0	21.5	25.5	22.5	29.5	28.0	35.0	32.0	35.0	30.5	27.0	25.0
7	24.5	22.5	25.5	22.5	29.0	27.0	35.5	33.5	37.0	34.5	28.0	25.5
8	25.0	24.0	26.5	24.0	33.0	29.0	36.0	34.5	37.5	36.0	29.5	26.0
9	24.0	21.5	27.0	24.0	33.0	31.5	37.5	34.5	36.5	33.5	30.5	28.5
10	---	---	27.0	23.5	33.0	29.5	38.5	36.0	36.5	33.5	31.5	28.0
11	---	---	27.5	24.5	32.0	29.5	39.0	36.5	35.0	31.5	32.0	29.0
12	---	---	30.0	27.0	31.5	30.0	38.0	35.0	34.0	31.0	31.5	30.0
13	---	---	28.5	25.0	31.5	30.0	37.5	33.5	34.5	31.0	31.0	28.5
14	---	---	26.5	25.0	31.5	25.5	38.0	33.5	35.5	33.0	29.5	27.0
15	---	---	27.5	25.5	33.5	30.5	38.5	37.0	36.5	33.5	30.0	27.5
16	---	---	26.0	23.5	33.5	31.0	38.0	36.5	37.5	34.5	31.5	27.5
17	---	---	24.0	23.5	34.0	31.5	38.0	35.0	36.5	33.5	31.0	29.0
18	---	---	29.0	24.0	34.0	31.5	38.0	35.5	35.0	31.0	31.0	29.5
19	22.0	18.5	29.0	27.5	33.0	31.0	38.5	37.5	32.0	30.5	31.5	28.5
20	23.0	19.0	28.5	25.5	30.5	29.0	39.0	38.0	31.5	30.5	30.5	29.0
21	22.5	19.0	26.5	24.5	29.5	28.0	39.5	36.5	31.0	29.0	32.0	30.0
22	21.5	19.5	26.5	23.0	35.0	28.5	39.5	37.5	30.5	28.5	32.0	30.0
23	20.5	18.0	25.5	23.0	36.0	33.5	40.0	37.5	30.5	28.5	33.0	31.0
24	20.0	18.0	26.5	24.0	36.0	31.5	39.5	37.0	31.0	29.5	34.0	31.5
25	20.5	18.5	25.5	23.0	33.5	32.5	38.0	35.5	35.0	30.0	34.5	32.5
26	20.0	17.5	25.0	23.5	34.0	32.5	37.0	35.0	36.5	34.0	34.5	33.0
27	20.5	18.5	25.0	23.5	34.0	32.5	37.0	33.5	36.0	28.0	34.5	32.5
28	23.5	20.0	27.5	24.5	34.0	32.5	37.5	35.0	29.5	27.5	34.5	32.0
29	23.5	22.0	28.0	25.0	36.0	32.5	37.0	34.0	29.0	27.5	34.5	32.0
30	23.0	20.5	26.5	24.5	36.0	33.0	37.5	35.5	29.5	27.5	35.5	33.0
31	---	---	28.0	25.0	---	---	38.0	36.0	29.5	27.5	---	---
MONTH	25.0	17.5	30.0	20.5	36.0	25.5	40.0	28.5	38.5	27.5	35.5	25.0
YEAR	40.0	10.0										

02397410 CEDAR CREEK AT CEDARTOWN, GA.

LOCATION.--Lat 33°59'45", long 85°15'53", Polk County, Hydrologic Unit 03150105, at bridge on Georgia Avenue at Cedartown, 1.1 mi downstream from Pumpkin Pile Creek, and at mile 29.9.
DRAINAGE AREA.--66.9 mi^2.
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 (datum published incorrectly in 1981 and 1982).
REMARKS.--No estimated daily discharges. Records fair.
AVERAGE DISCHARGE.--5 years, 87.9 ft^3/s in/yr, 17.84 in/yr.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 5,080 ft^3/s Feb. 3, 1982, gage height, 16.43 ft; minimum daily discharge 10 ft^3/s Aug. 6, 1986.
EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of March 4, 1979, reached a stage of 21.1 ft from floodmarks, discharge, 16,500 ft^3/s from rating curve extended above 4,500 ft^3/s on basis of contracted-opening and flow-over-road computation of peak flow.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,500 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)
Mar. 13	1145	*477	*5.66

Minimum daily discharge, 10 ft^3/s Aug. 6.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	44	58	64	38	19	35	38	15	16	15	12	25
2	35	44	85	33	19	35	38	15	15	13	11	22
3	29	33	51	32	18	35	36	16	16	15	12	20
4	25	30	38	28	18	32	33	16	17	14	12	23
5	24	29	36	27	32	31	31	16	18	14	11	32
6	22	27	34	25	51	31	30	16	17	16	10	24
7	21	25	29	26	68	29	30	16	17	14	11	20
8	21	25	28	26	65	28	29	18	17	13	13	17
9	21	23	24	24	60	28	26	17	18	13	16	18
10	21	23	24	24	60	28	25	18	19	13	15	17
11	21	23	27	24	60	28	25	19	18	13	15	17
12	21	22	97	25	55	28	25	20	18	13	14	35
13	21	22	236	24	48	238	24	19	17	13	14	22
14	20	22	152	23	48	251	22	19	17	13	16	19
15	21	21	104	23	70	159	21	19	16	13	16	16
16	22	22	75	23	60	101	21	21	17	12	16	16
17	23	23	60	22	60	77	21	19	18	12	19	15
18	24	23	53	22	116	65	20	22	19	15	18	15
19	24	22	45	32	89	131	19	25	19	13	18	14
20	24	24	44	26	68	107	19	21	19	14	20	14
21	26	22	38	22	60	82	20	19	18	13	25	14
22	28	24	37	21	52	69	19	17	17	12	19	14
23	30	23	37	20	47	63	19	16	16	12	17	14
24	29	22	33	19	43	58	18	17	14	16	17	14
25	27	22	30	21	42	54	18	15	15	14	15	13
26	24	22	29	37	40	52	17	15	14	51	17	13
27	31	22	29	29	40	48	16	17	14	16	44	12
28	48	22	28	22	38	45	15	21	15	14	44	12
29	35	29	28	22	---	44	16	21	14	13	18	13
30	26	60	27	23	---	41	15	18	15	12	15	14
31	32	---	32	20	---	40	---	17	---	12	16	---
TOTAL	820	809	1654	783	1446	2093	706	560	500	456	536	534
MEAN	26.5	27.0	53.4	25.3	51.6	67.5	23.5	18.1	16.7	14.7	17.3	17.8
MAX	48	60	236	38	116	251	38	25	19	51	44	35
MIN	20	21	24	19	18	28	15	15	14	12	10	12
CFSM	.40	.40	.80	.38	.77	1.01	.35	.27	.25	.22	.26	.27
IN.	.46	.45	.92	.44	.80	1.16	.39	.31	.28	.25	.30	.30

CAL YR 1985 TOTAL 25049 MEAN 68.6 MAX 858 MIN 20 CFSM 1.03 IN 13.93
WTR YR 1986 TOTAL 10897 MEAN 29.9 MAX 251 MIN 10 CFSM .45 IN 6.06

02397500 CEDAR CREEK NEAR CEDARTOWN, GA.

LOCATION.--Lat 34°03'38", long 85°18'41", Polk County, Hydrologic Unit 03150105, at bridge on Cave Springs Road, 4.5 mi upstream from Lake Creek, and 4.5 mi northwest of Cedartown.
DRAINAGE AREA.--115 mi^2.
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 determination of Discharge, Specific Conductane, pH, Water Temperature, Air Temperature, and Dissolved Oxygen is 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 1985 TO SEPTEMBER 1986

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM)	PH (STAND-ARD UNITS)	PH LAB (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	TEMPER-ATURE, AIR (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)
OCT										
31...	1015	55	--	263	7.50	7.40	17.0	16.5	7.8	--
NOV										
20...	1115	46	--	289	7.60	7.70	17.5	22.5	7.1	--
DEC										
17...	1215	100	--	232	7.40	7.80	11.0	12.0	6.6	--
JAN										
29...	1230	79	--	259	7.30	7.70	--	5.5	10.0	--
FEB										
26...	1215	90	--	261	7.30	7.70	13.0	15.0	10.2	--
MAR										
25...	1200	123	--	241	7.70	7.70	--	23.5	9.9	--
APR										
29...	1230	62	320	292	7.90	7.90	20.0	24.0	8.2	91
MAY										
29...	1130	67	230	248	7.50	7.30	21.5	26.5	4.4	51
JUN										
25...	1200	21	285	312	7.50	7.50	23.0	31.0	3.5	42
JUL										
31...	1030	34	290	302	7.50	7.60	24.0	30.0	3.5	43
AUG										
27...	1030	58	275	277	7.30	7.70	23.0	25.0	3.6	43
SEP										
25...	1030	29	310	313	7.60	7.70	24.0	26.5	4.2	51

DATE	TUR-BID-ITY (NTU)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, FECAL, EC BROTH (MPN)	HARD-NESS (MG/L AS CACO3)	HARD-NESS NONCARB WH WAT TOT LAB MG/L AS CACO3	ALKA-LINITY 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										
31...	5.0	--	--	130	5	123	0.410	0.040	0.260	4.4
NOV										
20...	8.0	1.6	--	140	6	133	0.430	0.100	0.390	2.3
DEC										
17...	5.0	1.7	1300	120	3	113	0.560	0.070	0.170	3.0
JAN										
29...	4.0	1.6	700	130	2	124	0.680	0.080	0.170	4.4
FEB										
26...	2.0	2.5	3300	120	4	120	0.630	0.080	0.190	4.1
MAR										
25...	4.0	1.2	80	110	0	115	0.630	0.070	0.210	4.7
APR										
29...	4.0	2.1	170	130	0	132	0.640	0.210	0.320	4.8
MAY										
29...	8.0	1.6	3300	110	2	104	0.690	0.350	0.290	3.5
JUN										
25...	4.0	1.8	95	130	0	133	0.590	0.230	0.430	6.3
JUL										
31...	6.0	0.9	1300	130	0	136	0.340	0.660	0.480	4.5
AUG										
27...	10	2.5	1300	120	0	127	0.370	0.070	0.440	7.1
SEP										
25...	4.0	1.4	700	130	0	136	0.530	0.110	0.380	5.8

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 mi^2, 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, 253 microsiemens Sept. 15, 1977; minimum, 32 microsiemens Apr. 15, 1979.
pH: Maximum, 9.7 units Dec. 5, 1977; minimum, 6.3 units Nov. 6-12, 1977.
WATER TEMPERATURE: Maximum recorded, 36.5°C July 25, 1986; minimum, 1.0°C Jan. 13, 1982.
DISSOLVED OXYGEN: Maximum, 15.5 mg/L May 9, 1986; minimum recorded, 1.4 mg/L July 8, 1977.
EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum recorded, 228 microsiemens July 18; minimum, 84 microsiemens Dec. 6.
pH: Maximum, 9.0 units May 7; minimum, 7.0 units Mar. 15, Aug. 3.
WATER TEMPERATURE: Maximum recorded, 36.5°C July 25; minimum, 5.5°C Jan. 2.
DISSOLVED OXYGEN: Maximum, 15.5 mg/L May 9; minimum recorded, 3.2 mg/L Aug. 14.

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM)	SPECIFIC CONDUCTANCE LAB (US/CM)	PH (STANDARD UNITS)	PH LAB (STANDARD UNITS)	TEMPERATURE WATER (DEG C)	TEMPERATURE AIR (DEG C)	OXYGEN, DISSOLVED (MG/L)	OXYGEN, DISSOLVED (PERCENT SATURATION)
OCT									
07...	1100	165	--	7.30	7.40	22.5	20.0	6.1	71
NOV									
04...	1130	165	153	7.30	7.60	20.0	10.5	6.3	71
DEC									
02...	1100	130	117	7.40	7.60	18.0	2.5	7.8	84
JAN									
06...	1100	175	159	7.40	7.50	9.0	5.0	10.5	92
FEB									
05...	1100	200	182	7.50	7.60	11.0	22.0	10.8	100
MAR									
06...	1100	155	148	7.60	7.40	11.5	9.5	10.3	97
APR									
29...	1345	161	160	8.00	7.70	22.0	23.5	10.3	120
MAY									
29...	0900	186	199	7.40	7.10	24.5	25.5	4.2	51
JUN									
25...	1000	184	182	7.70	7.60	31.5	28.0	7.2	100
JUL									
08...	1130	200	194	7.30	7.70	31.5	31.0	5.5	76
AUG									
06...	1130	200	185	7.30	7.60	33.5	25.0	4.3	--
SEP									
24...	1300	212	217	7.40	7.80	30.0	25.0	6.5	88

02397530 COOSA RIVER NEAR COOSA, GA.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TURBIDITY (NTU)	OXYGEN DEMAND, CHEMICAL (LOW LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	COLIFORM, FECAL, EC BROTH (MPN)	HARDNESS (MG/L AS CACO3)	HARDNESS NONCARB WH WAT TOT LAB MG/L AS CACO3	ALKALINITY LAB (MG/L AS CACO3)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (MG/L)
OCT									
07...	9.0	10	1.5	<20	--	--	54	7	128
NOV									
04...	9.0	15	1.4	--	56	2	54	10	152
DEC									
02...	15	7	0.9	130	--	--	44	10	24
JAN									
06...	14	7	0.8	130	68	11	57	8	96
FEB									
05...	11	15	2.4	20	64	3	61	10	116
MAR									
06...	10	9	1.1	20	60	4	56	15	108
APR									
29...	11	14	4.3	<20	58	2	56	5	124
MAY									
29...	10	9	3.6	<20	54	0	55	17	124
JUN									
25...	8.0	18	2.9	20	52	2	50	17	136
JUL									
08...	9.0	19	--	<20	62	4	58	7	--
AUG									
06...	6.0	19	3.7	<20	70	5	65	7	--
SEP									
24...	5.0	17	2.5	60	66	3	63	<1	--

DATE	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN,AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT							
07...	0.350	0.230	0.27	0.50	0.85	0.160	3.5
NOV							
04...	0.310	0.150	0.35	0.50	0.81	0.200	4.1
DEC							
02...	0.260	0.110	0.0	0.10	0.36	0.080	4.6
JAN							
06...	0.470	0.120	0.38	0.50	0.97	0.380	13
FEB							
05...	0.370	0.220	0.38	0.60	0.97	0.600	6.9
MAR							
06...	0.310	0.130	0.17	0.30	0.61	0.170	3.1
APR							
29...	0.350	0.090	0.31	0.40	0.75	0.220	6.4
MAY							
29...	0.440	0.240	0.26	0.50	0.94	0.180	4.2
JUN							
25...	0.210	0.160	0.54	0.70	0.91	0.260	5.3
JUL							
08...	0.360	0.040	0.36	0.40	0.76	0.350	17
AUG							
06...	0.140	0.130	0.57	0.70	0.84	0.240	6.4
SEP							
24...	0.450	0.050	0.65	0.70	1.2	0.230	4.4

02397530 COOSA RIVER NEAR COOSA, GA.--Continued

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	173	164	188	174	119	106	185	167	191	162	142	130
2	190	172	181	137	145	112	188	168	192	168	141	131
3	192	168	173	132	156	144	170	157	193	160	148	138
4	176	158	171	138	148	100	176	164	202	174	156	145
5	162	149	171	137	109	87	176	166	203	195	169	148
6	161	152	167	143	105	84	180	168	200	187	169	151
7	171	158	153	104	115	100	190	172	203	187	177	167
8	185	159	125	107	124	106	193	176	194	162	178	162
9	190	176	127	108	124	110	189	176	188	176	170	166
10	193	182	116	102	142	125	178	146	190	179	177	169
11	200	172	119	107	150	132	173	142	196	169	188	175
12	195	150	138	108	138	107	167	144	205	183	192	186
13	151	134	159	135	127	110	171	144	188	177	195	180
14	135	117	163	105	130	116	184	146	197	151	194	131
15	138	110	119	104	139	113	183	165	183	154	135	126
16	155	138	124	103	148	138	189	175	181	154	129	123
17	174	158	---	---	147	143	175	142	172	160	124	109
18	174	166	---	---	146	125	178	148	175	156	124	113
19	205	177	---	---	123	115	191	166	154	114	139	125
20	200	157	149	101	137	117	174	167	121	115	140	128
21	162	149	117	87	147	130	198	175	117	109	138	128
22	173	149	129	104	149	142	192	172	118	106	140	135
23	184	174	128	107	157	148	199	176	123	114	140	133
24	176	156	123	109	167	149	196	158	135	121	142	140
25	166	119	130	111	173	146	200	159	135	127	143	137
26	155	124	156	131	174	144	199	159	146	131	144	138
27	155	133	157	140	143	137	203	160	151	138	154	141
28	164	150	139	106	137	117	203	175	140	132	152	139
29	168	145	127	106	139	118	198	183	---	---	151	139
30	176	168	121	105	149	118	198	188	---	---	155	142
31	183	165	---	---	173	140	199	171	---	---	153	145
MONTH	205	110	188	87	174	84	203	142	205	106	195	109

	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	160	150	170	154	158	152	180	172	210	200	---	---
2	164	154	165	155	156	150	194	174	203	199	---	---
3	167	157	169	159	169	154	194	185	205	200	---	---
4	176	167	161	147	181	169	186	173	207	202	218	212
5	181	148	152	146	196	183	176	166	206	203	216	204
6	167	150	152	147	196	186	168	163	204	192	212	209
7	180	162	168	163	205	186	181	165	197	192	208	183
8	180	164	172	162	202	187	208	182	202	197	182	176
9	187	170	172	167	186	182	209	204	---	---	180	176
10	186	173	195	173	---	---	204	195	---	---	185	177
11	190	180	188	171	---	---	199	195	---	---	192	186
12	186	157	174	170	---	---	199	193	---	---	199	192
13	180	162	172	169	---	---	195	191	217	212	202	191
14	179	166	181	170	---	---	197	192	212	202	208	193
15	180	166	189	180	---	---	208	196	206	200	215	210
16	185	174	---	---	---	---	217	208	200	194	217	208
17	192	168	199	193	178	171	221	215	192	188	207	203
18	188	170	197	185	188	177	228	219	204	191	207	205
19	183	165	185	179	191	186	218	211	213	201	206	203
20	174	159	---	---	193	190	217	215	215	211	207	201
21	173	159	---	---	194	186	---	---	218	210	211	203
22	177	162	---	---	200	195	---	---	223	217	208	197
23	183	169	---	---	199	193	---	---	223	219	211	199
24	189	170	---	---	195	179	215	212	222	207	214	208
25	183	171	---	---	194	181	221	212	208	191	213	209
26	193	159	172	168	191	186	---	---	195	184	209	203
27	174	162	175	171	186	179	---	---	---	---	207	202
28	168	149	187	174	193	178	---	---	---	---	209	206
29	164	156	192	183	195	191	---	---	---	---	212	207
30	166	159	185	169	191	181	210	207	---	---	213	209
31	---	---	180	153	---	---	213	210	---	---	---	---
MONTH	193	148	199	146	205	150	228	163	223	184	218	176
YEAR	228	84										

02397530 COOSA RIVER NEAR COOSA, GA.--Continued

PH (STANDARD UNITS), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	7.2	7.2	7.4	7.3	7.4	7.3	7.6	7.5	7.6	7.5	7.6	7.5
2	7.3	7.2	7.3	7.3	7.5	7.3	7.6	7.5	7.6	7.5	7.6	7.5
3	7.3	7.3	7.3	7.2	7.5	7.5	7.5	7.4	7.6	7.5	7.5	7.5
4	7.4	7.4	7.3	7.2	7.6	7.4	7.5	7.4	7.6	7.5	7.5	7.5
5	7.4	7.3	7.3	7.3	7.4	7.3	7.5	7.5	7.5	7.5	7.5	7.5
6	7.4	7.3	7.4	7.3	7.4	7.3	7.5	7.4	7.6	7.5	7.8	7.6
7	7.4	7.3	7.5	7.3	7.5	7.4	7.5	7.4	7.6	7.5	7.8	7.7
8	7.4	7.3	7.4	7.3	7.5	7.4	7.5	7.4	7.5	7.4	7.8	7.6
9	7.5	7.4	7.4	7.3	7.5	7.4	7.6	7.5	7.4	7.4	7.7	7.6
10	7.5	7.3	7.4	7.3	7.5	7.4	7.5	7.5	7.5	7.4	7.7	7.6
11	7.4	7.3	7.4	7.3	7.7	7.5	7.5	7.4	7.5	7.4	7.8	7.6
12	7.4	7.4	7.4	7.2	7.6	7.4	7.5	7.4	7.5	7.4	7.7	7.6
13	7.4	7.3	7.5	7.3	7.5	7.4	7.5	7.4	7.6	7.5	7.6	7.5
14	7.2	7.2	7.6	7.3	7.4	7.3	7.4	7.3	7.6	7.6	7.6	7.1
15	7.2	7.1	7.4	7.3	7.4	7.3	7.5	7.4	7.7	7.6	7.1	7.0
16	7.2	7.1	7.3	7.2	7.4	7.4	7.6	7.5	7.6	7.6	7.1	7.1
17	7.2	7.1	---	---	7.5	7.4	7.5	7.5	7.5	7.5	7.2	7.1
18	7.3	7.2	---	---	7.6	7.5	7.5	7.4	7.6	7.5	7.3	7.2
19	7.5	7.3	7.3	7.2	7.5	7.5	7.5	7.4	7.5	7.2	7.4	7.3
20	7.6	7.3	7.5	7.2	7.5	7.4	7.6	7.4	7.2	7.1	7.4	7.3
21	7.3	7.2	7.3	7.2	7.5	7.4	7.6	7.3	7.2	7.1	7.4	7.3
22	7.3	7.2	7.3	7.2	7.5	7.5	7.5	7.4	7.2	7.2	7.4	7.3
23	7.3	7.2	7.3	7.2	7.5	7.5	7.7	7.5	7.2	7.1	7.4	7.4
24	7.3	7.2	7.3	7.3	7.5	7.5	7.6	7.5	7.3	7.2	7.5	7.4
25	7.3	7.2	7.3	7.3	7.6	7.5	7.5	7.5	7.4	7.2	7.5	7.4
26	7.2	7.2	7.4	7.3	7.7	7.6	7.6	7.5	7.6	7.4	7.6	7.4
27	7.2	7.2	7.6	7.4	7.6	7.6	7.5	7.5	7.6	7.5	7.6	7.5
28	7.2	7.2	7.5	7.3	7.7	7.6	7.5	7.4	7.6	7.5	7.5	7.5
29	7.3	7.2	7.4	7.3	7.6	7.6	7.6	7.5	---	---	7.5	7.5
30	7.3	7.2	7.3	7.3	7.7	7.6	7.7	7.6	---	---	7.6	7.4
31	7.4	7.2	---	---	7.7	7.5	7.6	7.6	---	---	7.7	7.4
MONTH	7.6	7.1	7.6	7.2	7.7	7.3	7.7	7.3	7.7	7.1	7.8	7.0
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	7.6	7.5	7.6	7.4	7.6	7.3	7.9	7.4	7.8	7.4	---	---
2	7.6	7.4	7.5	7.3	8.0	7.4	7.5	7.4	8.0	7.5	---	---
3	7.6	7.4	7.8	7.4	7.6	7.2	7.7	7.3	7.6	7.0	---	---
4	7.7	7.5	7.6	7.3	7.2	7.2	8.0	7.4	7.7	7.3	7.3	7.2
5	7.8	7.5	7.6	7.3	7.2	7.1	7.8	7.5	7.8	7.3	7.7	7.3
6	7.7	7.5	8.5	7.2	7.8	7.1	7.6	7.3	7.7	7.3	7.3	7.2
7	7.8	7.5	9.0	7.8	7.6	7.4	7.7	7.3	7.8	7.5	7.8	7.3
8	7.6	7.3	8.8	7.7	7.8	7.4	8.5	7.4	7.9	7.5	7.8	7.3
9	7.3	7.3	8.8	7.7	7.7	7.3	8.6	7.6	---	---	7.5	7.3
10	7.6	7.3	8.0	7.6	---	---	7.7	7.4	---	---	7.3	7.2
11	7.6	7.5	7.6	7.5	---	---	7.5	7.4	---	---	8.0	7.3
12	7.6	7.4	7.7	7.4	---	---	7.7	7.4	---	---	7.5	7.2
13	7.5	7.4	7.7	7.4	---	---	7.8	7.5	7.6	7.3	7.7	7.3
14	7.6	7.4	7.7	7.4	---	---	7.9	7.5	7.7	7.3	7.5	7.2
15	7.6	7.5	7.4	7.3	---	---	7.9	7.5	8.2	7.3	7.4	7.3
16	7.5	7.4	---	---	---	---	8.4	7.4	8.1	7.4	7.9	7.3
17	7.4	7.4	7.7	7.4	7.9	7.4	8.6	7.4	7.6	7.3	7.8	7.3
18	7.6	7.4	7.5	7.3	8.0	7.6	8.2	7.4	7.4	7.3	7.4	7.3
19	7.6	7.5	7.6	7.3	7.9	7.5	8.1	7.4	7.5	7.3	7.5	7.2
20	7.6	7.4	---	---	8.0	7.4	7.6	7.3	7.5	7.3	7.9	7.2
21	7.5	7.4	---	---	8.4	7.6	---	---	7.5	7.3	7.8	7.3
22	7.5	7.4	---	---	8.4	7.6	---	---	8.8	7.4	7.6	7.3
23	7.5	7.3	---	---	8.7	7.6	---	---	8.5	7.6	7.5	7.3
24	7.5	7.4	---	---	8.6	7.8	8.1	7.6	8.8	7.6	7.8	7.3
25	7.6	7.3	---	---	8.1	7.6	8.2	7.6	9.0	7.5	7.6	7.3
26	7.6	7.4	7.7	7.5	8.2	7.5	---	---	8.2	7.5	7.8	7.3
27	7.4	7.3	7.6	7.4	8.6	7.6	---	---	---	---	7.6	7.3
28	7.7	7.3	7.7	7.3	7.8	7.6	---	---	---	---	7.6	7.3
29	8.1	7.4	7.5	7.3	7.8	7.5	---	---	---	---	7.5	7.3
30	7.6	7.4	7.6	7.3	8.4	7.4	8.5	7.5	---	---	8.1	7.3
31	---	---	7.6	7.4	---	---	8.5	7.8	---	---	---	---
MONTH	8.1	7.3	9.0	7.2	8.7	7.1	8.6	7.3	9.0	7.0	8.1	7.2
YEAR	9.0	7.0										

02397530 COOSA RIVER NEAR COOSA, GA.--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	25.0	24.0	21.5	20.0	19.0	18.5	9.0	7.0	8.5	6.0	11.5	11.0
2	25.0	24.0	21.0	19.5	18.5	17.0	8.0	5.5	10.0	7.0	12.0	11.0
3	24.5	22.5	21.0	19.5	17.0	14.5	9.5	6.5	10.5	7.5	12.0	10.5
4	23.5	22.0	20.0	19.0	14.5	13.5	9.0	8.0	11.5	9.5	11.5	10.5
5	23.0	22.0	19.0	17.5	14.5	13.0	9.5	8.0	12.5	10.5	12.5	11.0
6	23.5	22.0	18.0	15.5	15.0	13.0	10.0	8.0	13.5	11.5	13.0	10.5
7	23.5	21.5	16.0	15.5	13.5	12.5	11.5	9.0	14.0	12.5	12.5	11.5
8	23.0	21.5	16.5	15.5	12.5	12.0	10.0	8.0	16.0	13.5	13.0	12.0
9	24.5	21.5	16.5	15.0	13.0	11.5	9.0	8.0	15.0	13.5	13.5	12.5
10	26.0	23.5	17.5	15.0	14.0	12.5	10.0	8.5	14.5	14.0	14.5	12.5
11	24.0	22.0	17.5	15.5	14.0	11.5	9.5	8.0	14.0	13.0	16.0	12.0
12	24.5	21.0	18.0	16.0	15.5	13.5	11.0	8.0	14.0	11.5	16.0	13.5
13	24.5	22.5	17.0	16.0	15.5	13.5	10.0	7.5	12.5	11.0	17.0	15.5
14	25.5	24.5	18.5	16.5	14.0	12.5	12.0	9.5	11.5	9.0	17.5	15.5
15	26.5	24.5	19.5	18.0	12.5	12.0	10.0	9.0	10.0	9.0	15.5	15.0
16	27.0	25.5	20.0	19.0	12.0	11.0	10.5	8.5	9.5	8.0	15.5	14.5
17	25.5	24.5	---	---	11.0	9.0	10.5	9.0	9.0	9.0	15.5	14.5
18	26.0	24.5	---	---	9.0	8.0	12.0	8.5	10.0	8.5	16.0	14.5
19	28.0	25.0	---	---	10.0	8.0	11.5	9.0	10.5	9.5	16.0	15.5
20	28.0	26.0	20.5	19.0	9.0	8.5	12.0	8.5	11.5	10.5	16.0	15.5
21	27.0	26.0	19.0	18.5	9.0	8.0	15.0	10.0	12.5	11.5	15.5	14.5
22	26.0	25.0	19.5	18.5	9.5	7.5	13.5	10.5	13.0	12.5	14.5	13.5
23	27.0	26.0	19.0	17.5	10.0	7.5	14.5	11.0	14.0	12.0	14.5	13.0
24	25.5	23.0	18.5	17.0	9.5	8.0	13.0	9.5	13.5	12.5	14.5	13.0
25	24.5	22.5	18.0	17.5	8.0	7.0	10.5	9.0	13.5	13.0	14.5	13.0
26	23.0	22.0	19.5	17.5	7.0	7.0	11.0	9.0	13.0	12.0	14.0	13.0
27	22.5	21.0	19.0	17.5	8.5	7.0	9.5	7.5	13.0	12.0	16.5	14.0
28	22.0	20.5	19.5	18.5	8.0	6.5	9.0	7.0	12.0	11.0	18.0	15.5
29	22.0	21.5	20.0	18.5	7.5	6.0	7.5	6.5	---	---	18.5	16.5
30	21.0	20.0	19.5	18.5	8.5	6.5	7.0	6.0	---	---	20.0	17.0
31	21.0	20.0	---	---	9.0	7.5	7.5	6.0	---	---	20.5	18.0
MONTH	28.0	20.0	21.5	15.0	19.0	6.0	15.0	5.5	16.0	6.0	20.5	10.5
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	20.0	18.5	24.5	23.5	28.5	26.0	32.0	31.5	34.0	33.0	---	---
2	22.0	19.0	24.0	23.5	28.5	27.0	32.0	31.5	34.5	33.0	---	---
3	21.5	20.0	23.5	22.5	28.0	27.0	33.0	31.5	34.5	33.0	---	---
4	22.0	20.0	24.5	21.5	28.5	27.0	33.0	31.0	34.5	33.0	28.0	27.0
5	23.0	20.5	26.0	22.5	28.5	27.5	32.5	31.0	35.0	33.0	28.0	27.0
6	21.5	20.0	25.5	23.5	30.0	27.0	32.0	30.5	33.5	32.5	28.5	27.5
7	22.5	20.5	26.5	25.0	29.5	28.0	33.0	30.5	33.0	32.0	29.5	27.5
8	22.0	21.0	28.0	26.0	30.5	29.0	34.0	31.5	33.5	32.0	28.5	26.5
9	22.5	21.0	28.5	26.5	30.0	28.5	34.0	32.5	---	---	28.5	27.0
10	22.5	21.5	27.0	26.0	---	---	34.0	32.5	---	---	27.5	27.0
11	21.5	21.0	26.5	26.0	---	---	34.0	33.0	---	---	29.0	27.0
12	21.5	19.5	26.5	26.0	---	---	34.0	33.0	---	---	29.5	27.5
13	22.0	19.5	28.0	25.5	---	---	34.5	33.0	33.5	32.0	30.5	28.0
14	22.0	20.0	28.0	26.0	---	---	34.5	33.0	33.5	31.5	30.5	28.5
15	21.0	20.0	27.5	26.5	---	---	35.0	33.5	34.0	31.5	30.0	29.0
16	20.5	20.0	---	---	---	---	35.5	33.0	34.0	31.5	30.5	29.0
17	20.5	19.0	28.0	26.5	31.0	30.0	35.0	33.0	33.0	31.5	29.0	28.0
18	23.5	19.5	26.5	25.5	32.0	30.0	36.5	33.5	33.0	32.0	27.5	27.5
19	23.0	20.0	26.5	25.5	32.5	30.5	36.0	34.5	33.5	32.5	29.5	27.5
20	21.0	20.5	---	---	32.0	30.5	35.5	34.0	34.5	32.0	30.5	28.0
21	20.5	19.5	---	---	33.0	31.0	---	---	33.0	32.0	31.0	28.5
22	20.0	19.0	---	---	33.0	31.0	---	---	33.0	31.0	30.5	29.0
23	21.0	19.0	---	---	32.5	30.5	---	---	32.5	31.0	30.0	29.0
24	22.5	20.0	---	---	32.0	30.5	36.0	34.5	32.5	30.5	30.5	29.0
25	22.5	20.0	---	---	33.0	31.0	36.5	34.5	33.0	30.0	31.0	29.5
26	23.0	20.0	25.5	25.0	33.5	32.0	---	---	31.5	30.0	31.5	30.0
27	22.5	20.5	26.0	24.5	33.0	32.0	---	---	---	---	32.0	30.5
28	22.0	21.5	25.5	24.5	32.5	31.5	---	---	---	---	33.0	31.0
29	23.5	20.0	28.0	24.5	32.0	31.5	---	---	---	---	32.5	31.5
30	25.0	21.5	28.5	25.5	33.0	31.0	35.5	34.0	---	---	32.5	31.0
31	---	---	27.5	26.5	---	---	35.0	33.5	---	---	---	---
MONTH	25.0	18.5	28.5	21.5	33.5	26.0	36.5	30.5	35.0	30.0	33.0	26.5
YEAR	36.5	5.5										

02397530 COOSA RIVER NEAR COOSA, GA.--Continued

OXYGEN, DISSOLVED (DO), MG/L, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	5.9	5.6	6.9	6.3	8.1	7.6	11.4	11.0	11.9	11.7	9.9	9.6
2	5.8	5.3	7.0	6.3	8.0	7.8	11.5	11.0	11.9	11.7	10.0	9.7
3	6.5	5.5	6.8	6.2	8.4	7.8	11.1	10.6	11.9	11.5	10.2	9.7
4	6.8	6.3	6.8	6.2	9.3	8.5	10.7	10.6	11.6	10.9	10.1	9.8
5	6.9	6.3	6.9	6.2	9.3	8.7	10.7	10.6	11.0	10.5	10.5	9.7
6	7.2	6.1	7.6	6.2	9.3	8.8	10.6	10.4	10.5	10.0	10.5	10.3
7	6.7	6.0	8.2	7.6	9.4	9.2	10.4	10.2	9.9	8.7	10.5	10.3
8	6.6	6.2	8.2	7.6	9.7	9.4	10.8	10.2	9.1	8.5	10.3	10.1
9	7.2	6.1	8.2	7.7	9.7	9.5	11.1	10.9	8.6	8.3	10.2	9.9
10	8.0	5.8	8.4	8.2	9.8	9.5	11.1	10.8	8.6	8.1	10.2	9.8
11	7.4	6.6	8.5	7.9	10.2	9.9	11.1	10.9	8.7	8.0	10.2	10.0
12	8.2	7.4	8.3	7.5	9.8	9.3	11.1	10.8	8.7	8.1	10.0	9.2
13	8.1	7.3	8.5	7.5	9.3	8.9	11.0	10.4	9.4	8.6	9.1	8.5
14	7.5	6.9	8.5	7.8	8.9	8.5	10.4	9.8	10.2	9.2	8.8	7.2
15	7.6	6.7	7.8	7.4	8.8	8.6	10.3	10.0	10.9	10.2	7.1	6.4
16	7.0	5.4	7.6	7.1	9.0	8.6	11.1	9.3	11.1	10.6	7.5	6.8
17	5.5	5.2	---	---	9.9	9.0	11.4	10.1	10.9	10.7	8.1	7.5
18	5.6	5.3	---	---	10.6	10.0	11.1	9.0	10.9	10.2	8.3	8.0
19	6.7	5.4	---	---	10.5	10.2	10.9	9.2	10.2	9.3	8.3	8.1
20	8.3	5.5	7.7	6.5	10.4	10.4	10.9	9.5	9.2	8.7	8.2	7.4
21	6.3	5.6	7.8	7.3	10.7	10.4	10.2	8.9	9.2	8.8	7.7	7.5
22	6.1	5.2	7.6	7.1	10.8	10.5	10.1	9.1	9.1	8.4	8.1	7.6
23	5.4	4.8	7.7	7.0	10.9	10.7	10.2	9.7	8.5	8.2	8.5	8.1
24	6.3	4.8	7.6	7.2	11.1	10.6	10.0	9.4	8.5	8.2	9.1	8.5
25	6.6	5.8	7.8	7.2	11.1	11.0	10.2	9.6	9.0	8.3	9.5	9.0
26	6.5	5.8	7.4	6.8	11.1	10.9	10.3	10.0	9.5	8.9	9.6	9.4
27	6.4	5.8	8.3	7.2	11.3	10.9	10.6	9.9	9.8	9.4	9.6	8.9
28	6.2	5.5	8.1	7.7	11.8	11.4	10.6	10.0	9.9	9.6	9.1	8.6
29	6.3	5.7	8.0	7.6	11.6	11.4	11.2	10.3	---	---	8.7	8.4
30	5.8	5.7	8.0	7.5	11.5	11.1	11.8	11.4	---	---	9.4	8.3
31	6.3	5.7	---	---	11.1	10.6	11.9	11.5	---	---	9.7	8.1
MONTH	8.3	4.8	8.5	6.2	11.8	7.6	11.9	8.9	11.9	8.0	10.5	6.4
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	9.0	7.8	7.2	5.5	8.2	5.6	8.4	5.7	5.6	4.2	---	---
2	11.0	7.5	6.8	4.9	9.9	6.9	6.3	5.3	8.7	4.5	---	---
3	9.2	7.4	9.3	6.0	8.1	4.5	8.2	4.6	6.3	3.5	---	---
4	8.6	7.3	8.8	6.1	4.9	4.1	10.4	5.9	7.7	3.5	4.7	3.5
5	9.6	7.1	9.3	5.9	4.4	3.6	10.5	7.4	7.6	3.7	7.8	4.2
6	9.4	7.4	10.7	5.2	7.8	3.7	10.1	6.5	6.7	3.5	5.2	4.1
7	9.8	8.0	11.4	6.5	6.5	4.7	11.1	6.6	7.2	4.9	8.5	4.7
8	8.5	6.2	13.9	6.0	8.0	5.3	10.5	5.6	8.4	5.1	8.7	5.6
9	6.5	5.9	15.5	8.1	8.1	4.3	11.2	6.8	---	---	7.2	5.4
10	7.2	6.0	12.1	6.6	---	---	7.3	5.4	---	---	5.8	4.8
11	7.3	6.2	6.7	5.8	---	---	7.1	5.5	---	---	8.9	4.9
12	7.2	5.6	7.0	4.5	---	---	7.6	5.6	---	---	6.9	4.3
13	7.1	5.9	7.8	5.0	---	---	7.9	6.2	6.2	3.6	7.9	4.9
14	8.3	6.9	7.9	5.0	---	---	9.2	6.1	6.9	3.2	7.1	4.7
15	8.2	6.9	5.1	4.3	---	---	9.2	5.7	10.1	3.8	6.2	4.8
16	7.3	6.3	---	---	---	---	9.5	3.3	10.6	5.5	8.6	5.5
17	6.8	6.2	7.1	5.4	8.0	6.6	10.3	4.2	7.5	5.1	8.0	5.3
18	8.3	6.5	6.1	4.9	8.5	6.2	9.1	4.1	6.4	4.8	5.6	5.0
19	8.4	7.0	7.7	4.8	8.0	5.5	8.9	4.2	7.5	4.8	7.1	4.8
20	8.3	6.7	---	---	8.4	5.2	6.9	3.4	6.6	4.1	8.9	4.9
21	8.3	6.8	---	---	10.0	6.6	---	---	5.2	3.8	9.2	5.5
22	7.6	6.8	---	---	9.5	6.3	---	---	10.8	4.2	8.0	5.2
23	8.0	6.1	---	---	10.6	6.0	---	---	10.2	6.1	6.9	5.4
24	7.6	5.8	---	---	10.5	7.5	7.8	4.8	11.5	6.3	7.7	5.1
25	8.6	6.2	---	---	8.4	6.8	7.6	3.9	12.8	6.2	7.4	5.2
26	8.9	6.5	8.0	6.8	9.1	5.5	---	---	8.7	5.2	8.6	5.1
27	7.8	6.6	7.4	6.1	10.1	6.1	---	---	---	---	7.6	5.1
28	10.2	7.6	8.0	5.4	7.8	6.0	---	---	---	---	8.0	5.3
29	10.7	7.2	6.6	4.3	7.8	5.5	---	---	---	---	7.1	5.1
30	7.8	6.5	7.2	4.9	9.3	5.5	9.1	5.6	---	---	9.8	4.9
31	---	---	7.6	6.0	---	---	8.8	4.6	---	---	---	---
MONTH	11.0	5.6	15.5	4.3	10.6	3.6	11.2	3.3	12.8	3.2	9.8	3.5
YEAR	15.5	3.2										

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 mi^2.

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.--Estimated daily discharges: Dec. 6 to Jan. 15 and Jan. 28 to Feb. 25. Records good, except those for period of no gage-height record, Dec. 6 to Jan. 15 and Jan. 28 to Feb. 25, which are fair.
AVERAGE DISCHARGE.--49 years, 357 ft^3/s, 25.25 in/yr.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 24,500 ft^3/s Mar. 29, 1951, gage height, 21.0 ft; minimum daily, 38 ft^3/s Oct. 17, 1937, Nov. 9, 1939.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 3,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)
Feb. 19	unknown	*2,350	*10.38

Minimum discharge, 38 ft^3/s Aug. 3, gage height, 1.79 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	223	125	276	350	105	190	157	92	91	77	55	83
2	387	146	387	250	100	177	153	89	91	77	53	84
3	203	153	301	200	100	173	147	88	86	75	44	83
4	171	152	253	180	110	166	140	85	83	72	54	86
5	149	154	222	170	120	158	135	84	83	70	57	178
6	137	147	200	160	130	153	131	84	83	69	58	134
7	131	140	170	150	120	148	130	86	82	75	59	101
8	123	134	150	140	115	142	163	88	81	74	59	89
9	116	133	130	130	110	137	202	85	285	73	61	80
10	112	128	120	120	110	134	165	83	141	71	74	75
11	110	126	120	120	105	137	151	83	118	69	72	72
12	108	123	200	115	100	135	144	83	114	66	64	194
13	105	120	260	115	100	319	139	81	108	53	62	181
14	104	117	330	110	200	339	136	81	99	62	61	110
15	105	114	250	105	350	278	131	79	94	63	60	91
16	102	110	200	103	250	241	127	79	94	62	58	82
17	100	115	170	102	400	216	122	78	91	62	55	77
18	101	118	150	108	600	199	118	79	90	61	58	73
19	96	114	140	109	1000	514	117	88	87	57	62	74
20	96	113	135	105	700	464	114	109	88	51	61	71
21	118	112	130	102	500	352	118	85	84	64	63	69
22	118	115	130	100	400	302	117	79	79	66	63	69
23	136	114	125	107	330	268	111	77	82	64	55	67
24	142	112	120	149	280	242	107	83	83	63	54	65
25	139	113	120	152	260	221	103	88	82	62	60	64
26	120	112	115	139	238	205	101	82	78	56	62	62
27	113	115	110	138	226	195	101	88	77	58	67	59
28	121	127	110	130	208	183	100	155	66	63	276	62
29	118	228	110	120	---	173	97	160	72	63	95	65
30	113	260	110	115	---	167	94	112	78	62	71	66
31	114	---	200	110	---	162	---	97	---	54	68	---
TOTAL	4131	3990	5544	4304	7367	6890	3871	2810	2870	2014	2121	2666
MEAN	133	133	179	139	263	222	129	90.6	95.7	65.0	68.4	88.9
MAX	387	260	387	350	1000	514	202	160	285	77	276	194
MIN	96	110	110	100	100	134	94	77	66	51	44	59
CFSM	.69	.69	.93	.72	1.36	1.15	.67	.47	.50	.34	.35	.46
IN.	.80	.77	1.07	.83	1.42	1.33	.75	.54	.55	.39	.41	.51

CAL YR 1985 TOTAL 86215 MEAN 236 MAX 3670 MIN 87 CFSM 1.22 IN 16.62
WTR YR 1986 TOTAL 48578 MEAN 133 MAX 1000 MIN 44 CFSM .69 IN 9.36

02398000 CHATTOOGA RIVER AT SUMMERVILLE, 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 determination of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen is by the U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM)	PH (STAND-ARD UNITS)	PH 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										
31...	0800	114	490	470	7.70	7.80	16.0	15.0	7.7	80
NOV										
20...	0915	112	490	532	7.80	7.90	21.0	18.5	7.2	83
DEC										
17...	1500	166	280	254	7.50	8.10	12.5	12.5	6.6	62
JAN										
29...	1500	153	370	367	7.40	8.00	--	12.0	9.4	--
FEB										
26...	1500	234	280	254	7.60	7.80	--	17.0	9.6	--
MAR										
25...	1500	219	--	313	7.90	7.80	--	27.0	9.0	--
APR										
29...	1500	97	480	434	8.00	7.90	20.5	26.0	8.2	92
MAY										
29...	0730	171	--	377	7.80	7.60	20.0	23.5	6.3	--
JUN										
25...	0915	82	--	592	7.80	7.50	23.0	26.0	7.0	81
JUL										
31...	0800	57	--	624	7.60	8.00	24.0	24.0	6.8	--
AUG										
27...	0800	66	--	650	7.80	8.00	24.0	25.0	7.0	84
SEP										
25...	0800	63	--	719	7.80	8.00	22.0	23.0	6.6	77

DATE	TUR-BID-ITY (NTU)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, FECAL, EC BROTH (MPN)	HARD-NESS (MG/L AS CACO3)	HARD-NESS NONCARB WH WAT TOT LAB MG/L AS CACO3	ALKA-LINITY 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										
31...	5.0	--	--	120	0	169	0.430	0.080	0.230	5.7
NOV										
20...	8.0	1.2	--	110	0	161	0.420	0.100	0.180	8.3
DEC										
17...	5.0	0.8	490	90	0	99	0.440	0.030	0.060	3.1
JAN										
29...	15	2.2	85	110	0	138	0.510	0.060	0.130	5.4
FEB										
26...	6.0	2.1	<30	90	0	107	0.650	0.070	0.070	3.3
MAR										
25...	5.0	0.6	20	96	0	120	0.440	0.060	0.070	6.0
APR										
29...	29	1.9	170	110	0	156	0.640	0.230	0.240	12
MAY										
29...	20	1.7	3300	110	0	127	0.680	0.150	0.160	4.0
JUN										
25...	10	2.2	330	110	0	175	0.560	0.170	0.210	4.8
JUL										
31...	7.0	1.0	7900	110	0	205	0.390	0.080	0.210	5.1
AUG										
27...	5.0	1.5	1700	120	0	201	0.530	0.120	0.210	10
SEP										
25...	3.0	3.0	80	120	0	215	0.520	0.090	0.100	1.0

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 mi^2.
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 determination of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen is by the U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM)	PH (STAND-ARD UNITS)	PH 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										
31...	0845	160	420	394	7.90	7.80	16.0	15.0	7.6	79
NOV										
20...	1000	150	300	324	7.80	7.90	18.0	21.0	7.0	75
DEC										
17...	1415	340	--	256	7.60	8.00	12.5	12.0	6.2	--
JAN										
29...	1415	220	390	354	7.50	8.10	--	12.0	10.2	--
FEB										
26...	1415	390	277	251	7.50	7.80	--	17.0	9.6	--
MAR										
25...	1400	370	--	260	8.00	7.80	--	27.5	9.2	--
APR										
29...	1415	160	380	355	7.90	7.80	20.5	25.5	8.0	89
MAY										
29...	0815	390	320	351	7.70	7.60	21.0	23.5	6.4	73
JUN										
25...	1000	165	--	442	7.80	7.20	25.0	27.5	5.7	--
JUL										
31...	0845	74	415	434	7.80	7.90	25.0	25.0	4.8	59
AUG										
27...	0845	105	420	446	7.80	8.00	24.5	25.0	5.5	67
SEP										
25...	0845	86	440	455	7.80	7.90	24.0	23.5	4.8	58

DATE	TUR-BID-ITY (NTU)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, FECAL, EC BROTH (MPN)	HARD-NESS (MG/L AS CACO3)	HARD-NESS NONCARB WH WAT TOT LAB MG/L AS CACO3	ALKA-LINITY LAB (MG/L AS CACO3)	SOLIDS, RESIDUE 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											
31...	5.0	--	--	120	0	151	<5	0.540	0.040	0.280	6.0
NOV											
20...	8.0	1.2	--	110	0	119	18	0.570	0.070	0.190	3.8
DEC											
17...	10	1.0	270	98	0	99	12	0.540	0.050	0.120	2.7
JAN											
29...	5.0	1.3	220	120	0	128	<1	0.610	0.080	0.150	3.4
FEB											
26...	7.0	1.7	230	100	0	105	9	0.720	0.060	0.120	2.8
MAR											
25...	8.0	0.7	90	96	0	107	15	0.500	0.060	0.100	4.7
APR											
29...	8.0	1.6	20	110	0	137	5	0.730	0.180	0.180	4.9
MAY											
29...	56	2.7	7000	96	0	110	90	1.06	0.160	0.270	5.2
JUN											
25...	8.0	2.1	60	120	0	144	19	0.830	0.130	0.310	3.9
JUL											
31...	5.0	1.1	20	110	0	155	8	0.700	0.070	0.370	4.2
AUG											
27...	4.0	1.3	140	120	0	155	9	0.480	0.100	0.310	3.9
SEP											
25...	6.0	1.4	80	120	0	147	8	0.700	0.060	0.330	3.9

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 mi^2.
PERIOD OF RECORD.--July 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 determination of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen is by the U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM)	PH (STAND-ARD UNITS)	PH 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...	1030	215	42	41	7.30	7.00	18.0	15.0	7.2	78
JAN										
07...	1315	210	--	36	7.30	7.00	11.0	9.0	11.4	--
MAR										
04...	0915	180	--	37	7.20	7.00	7.0	17.0	11.2	--
MAY										
06...	0800	100	--	40	6.90	6.70	17.5	21.0	7.9	--
JUL										
09...	0815	30	46	44	6.90	7.00	25.0	30.0	5.5	69
SEP										
04...	0815	74	39	38	6.60	6.80	21.0	25.5	7.5	87

DATE	TUR-BID-ITY (NTU)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, FECAL, EC BROTH (MPN)	ALKA-LINITY 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...	15	0.8	50	13	0.090	0.080	<0.020	2.4
JAN								
07...	5.0	0.7	--	13	0.550	<0.020	0.040	3.8
MAR								
04...	7.0	0.8	3300	14	0.110	0.100	0.030	2.4
MAY								
06...	15	0.8	110	13	0.100	0.080	0.050	13
JUL								
09...	15	1.2	90	14	0.150	0.050	0.090	3.6
SEP								
04...	22	1.1	490	11	0.160	0.150	0.070	4.7

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 mi^2.
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 determination of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen is by the U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM)	PH (STAND-ARD UNITS)	PH 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...	1130	228	62	63	7.20	7.00	18.0	18.0	7.4	80
18...	1200	135	--	77	7.20	6.90	16.5	23.0	7.6	--
DEC										
03...	1230	700	49	52	6.70	6.90	13.5	6.5	7.4	72
JAN										
07...	1400	218	--	52	7.20	7.00	12.0	11.5	10.2	--
FEB										
04...	1045	190	--	56	7.00	7.00	8.0	18.0	9.0	--
MAR										
04...	1000	190	--	55	7.10	6.80	7.5	17.5	11.3	--
31...	1115	225	--	57	6.90	6.60	15.0	28.0	9.1	--
MAY										
06...	0845	62	--	95	6.80	6.70	18.0	22.0	7.2	--
JUN										
10...	0945	124	87	84	6.70	6.60	22.0	26.0	6.0	70
JUL										
09...	0945	34	104	103	6.90	6.90	26.0	31.0	5.6	72
AUG										
13...	0900	45	170	166	6.80	7.30	24.0	24.0	5.4	66
SEP										
04...	0915	67	110	105	6.60	6.90	21.0	25.5	6.8	78

DATE	TUR-BID-ITY (NTU)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, FECAL, EC BROTH (MPN)	ALKA-LINITY 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...	14	0.9	170	16	0.520	0.130	0.030	6.0
18...	14	1.2	80	17	0.840	0.110	0.110	4.1
DEC								
03...	35	1.3	230	14	0.430	0.140	0.100	5.7
JAN								
07...	8.0	0.1	--	16	1.08	0.090	0.070	4.0
FEB								
04...	8.0	0.9	100	15	0.450	0.100	0.090	3.0
MAR								
04...	7.0	0.8	130	16	0.450	0.080	0.070	2.7
31...	11	1.3	--	15	0.570	0.110	0.070	6.8
MAY								
06...	14	0.8	330	15	1.25	0.240	0.130	5.2
JUN								
10...	120	1.2	--	12	1.46	0.530	0.170	5.3
JUL								
09...	12	1.4	170	21	1.10	0.050	0.110	9.8
AUG								
13...	13	1.7	790	26	2.00	0.490	0.200	0.4
SEP								
04...	17	1.8	130	17	1.45	0.180	0.210	5.9

LAKES AND RESERVOIRS IN MOBILE RIVER BASIN

02381400 CARTERS LAKE.--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 mi^2. 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).

Lake is formed by rolled rock-filled dam. Emergency spillway, crest elevation, 1,070 ft, is equipped with five taintor gages 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, 328,800 acre-ft July 26, 1985, elevation, 1,056.40 ft.

EXTREMES FOR CURRENT YEAR: Maximum contents, 386,300 acre-ft Apr. 21, elevation, 1,075.10 ft; minimum, 351,300 acre-ft Sept. 26 elevation, 1,064.00.

MONTHEND ELEVATION AND CONTENTS AT 2400, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

Date	Elevation (feet)	Contents (acre-feet)	Change in contents acre-feet)	(equivalent in cubic feet per second)
Sept. 30.....	1071.80	375600	-	-
Oct. 31.....	1073.15	380000	+4400	+72
Nov. 30.....	1072.35	377400	-2600	-44
Dec. 31.....	1070.75	372300	-5100	-83
CAL YR 1985	-	-	+34400	+48
Jan. 31.....	1070.85	372600	+300	+5
Feb. 28.....	1072.60	378200	+5600	+101
Mar. 31.....	1073.30	380500	+2300	+37
Apr. 30.....	1073.15	380000	-500	-8
May 31.....	1072.78	378800	-1200	-20
June 30.....	1072.30	377200	-1600	-27
July 31.....	1067.70	362700	-14500	-236
Aug. 31.....	1066.00	357400	-5300	-86
Sept. 30.....	1065.30	355200	-2200	-37
WTR YR 1986	-	-	-20400	-28

02382400 CARTERS RE-REGULATION DAM.--Lat 34°36'15", long 84°41'29", Murray County, Hydrologic Unit 03150102, at afterbay of main dam, on Coosawattee River, 0.2 mi downstream from Talking Rock Creek, 0.2 mi upstream from Louisville and Nashville Railway bridge, 1.5 mi downstream from main dam and at mile 25.3. DRAINAGE AREA, 520 mi^2. 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).

Reservoir is formed by concrete gravity dam with earth dikes on either side. Spillway, crest elevation, 662.5 ft is equipped with four taintor gages 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, 9,972 acre-ft July 31, elevation, 689.18 ft; minimum, 3,626 acre-ft June 30, elevation, 679.76 ft.

MONTHEND ELEVATION AND CONTENTS AT 2400, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

Date	Elevation (feet)	Contents (acre-feet)	Change in contents acre-feet)	(equivalent in cubic feet per second)
Sept. 30.....	682.84	5500	-	-
Oct. 31.....	686.97	8400	+2900	+47
Nov. 30.....	687.29	8600	+200	+3
Dec. 31.....	686.87	8300	-300	-5
CAL YR 1985	-	-	-3100	-4
Jan. 31.....	688.26	9300	+1000	+16
Feb. 28.....	680.53	4100	-5200	-94
Mar. 31.....	684.65	6700	+2600	+42
Apr. 30.....	684.06	6300	-400	-7
May 31.....	685.93	7600	+1300	+21
June 30.....	679.76	3600	-4000	-67
July 31.....	689.18	10000	+6400	+104
Aug. 31.....	686.12	7800	-2200	-36
Sept. 30.....	688.38	9400	+1600	+27
WTR YR 1986	-	-	+3900	+5

02393500 ALLATOONA RESERVOIR.--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 mi , revised. 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).

Lake is formed by concrete gravity dam. Spillway, crest elevation, 835.0 ft is equipped with nine taintor 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 gages, 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, 346,600 acre-ft Oct. 6, elevation, 838.20 ft; minimum, 189,800 acre-ft Jan. 17, elevation, 821.24 ft.

MONTHEND ELEVATION AND CONTENTS AT 2400, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

Date	Elevation (feet)	Contents (acre-feet)	Change in contents (acre-feet)	Change in contents (equivalent in cubic feet per second)
Sept. 30.....	837.90	343200	-	-
Oct. 31.....	835.90	321000	-22200	-361
Nov. 30.....	827.92	243100	-77900	-1309
Dec. 31.....	822.05	195700	-47400	-771
CAL YR 1985	-	-	-26000	-36
Jan. 31.....	821.54	191900	-3800	-62
Feb. 28.....	823.32	205300	+13400	+241
Mar. 31.....	828.22	245700	+40400	+657
Apr. 30.....	827.66	240800	-4900	-82
May 31.....	827.73	241400	+600	+10
June 30.....	824.82	217000	-24400	-410
July 31.....	823.29	205000	-12000	-195
Aug. 31.....	821.81	193900	-11100	-181
Sept. 30.....	822.49	199000	+5100	+86
WTR YR 1986	-	-	-144200	-199

03544942 BRIER CREEK NEAR HANSON MOUNTAIN, GA.

LOCATION.--Lat 34°48'57", long 83°42'26", Towns County, Hydrologic Unit 06020002, 0.96 mi upstream from mouth, 1.23 mi north-northwest of the summit of Brier Creek Bald, and 8.9 mi southeast of Hiawassee.
DRAINAGE AREA.--1.04 mi^2.
PERIOD OF RECORD.--October 1985 to October 1986 (discontinued).
REMARKS.--Site operated as part of data-collection network for the Brier Creek watershed acidification study.

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	SPE-CIFIC CON-DUCT-ANCE (US/CM)	PH (STAND-ARD UNITS)	TEMPER-ATURE WATER (DEG C)	TEMPER-ATURE AIR (DEG C)	ALKA-LINITY, CARBON-ATE IT-FLD (MG/L - CACO3)
OCT						
08...	1430	12	6.70	12.0	--	3.5
NOV						
19...	1330	12	6.67	14.5	--	3.3
26...	1500	11	6.61	14.0	--	3.3
DEC						
17...	1340	10	6.38	6.5	--	2.7
23...	1100	10	6.73	--	--	2.7
JAN						
07...	1510	10	6.79	5.5	--	2.9
14...	1535	10	6.70	4.5	--	2.7
21...	1205	9	6.74	6.0	8.5	2.9
28...	1230	9	6.72	--	--	2.6
FEB						
04...	1425	9	6.78	9.0	--	3.1
11...	1040	9	6.75	6.5	--	3.0
18...	1145	9	6.76	--	--	2.8
25...	1545	10	6.84	6.0	--	3.0
MAR						
04...	1245	9	6.72	--	--	2.8
04...	1255	9	6.64	--	--	2.8
11...	1100	9	6.83	--	--	2.8
18...	1705	9	6.69	10.5	--	2.7
25...	1030	9	6.70	9.0	--	2.8
APR						
01...	1045	10	6.61	11.0	21.0	3.0
14...	1620	10	6.73	12.0	--	3.4
22...	1335	10	6.54	--	--	3.4
29...	1324	10	6.66	12.5	--	3.6
MAY						
06...	1030	11	6.65	12.5	23.0	3.2
13...	1025	11	6.36	13.0	--	3.9
20...	1350	--	6.82	13.0	--	--
27...	1230	9	6.48	--	--	3.3
JUN						
03...	1045	11	6.58	14.0	--	4.3
17...	0940	11	6.42	--	--	4.1
24...	0945	12	6.44	17.5	--	4.3
JUL						
01...	1105	11	6.67	--	--	4.1
08...	1330	12	6.71	--	--	4.1
AUG						
05...	1450	12	6.64	--	--	4.1
SEP						
10...	1225	11	6.67	16.0	--	4.5

03544942 BRIER CREEK NEAR HANSON MOUNTAIN, GA.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	PERCENT SODIUM	SODIUM AD-SORP-TION RATIO	POTAS-SIUM, DIS-SOLVED (MG/L AS K)
MAR						
04...	0.54	0.19	0.96	45	0.3	0.36
11...	0.62	0.22	1.0	42	0.3	0.40
18...	0.60	0.23	0.94	41	0.3	0.38
18...	0.49	0.17	0.90	44	0.3	0.42
25...	0.61	0.17	0.96	44	0.3	0.38
APR						
01...	0.59	0.15	0.99	45	0.3	0.40
08...	0.57	0.26	0.97	41	0.3	0.41
14...	0.52	0.26	1.0	43	0.3	0.41
22...	0.52	0.25	0.94	42	0.3	0.40
29...	0.54	0.26	0.93	41	0.3	0.39
MAY						
06...	0.53	0.28	1.0	42	0.3	0.39
13...	0.61	0.31	1.1	41	0.3	0.51
20...	0.59	0.28	0.97	40	0.3	0.40
27...	0.63	0.27	0.92	38	0.3	0.42
JUN						
03...	0.64	0.26	0.96	39	0.3	0.42
17...	0.65	0.27	1.0	41	0.3	0.44
24...	0.66	0.25	1.1	41	0.3	0.45
JUL						
01...	0.67	0.27	1.1	41	0.3	0.46
08...	0.61	0.25	1.1	43	0.3	0.41
AUG						
05...	0.50	0.30	0.98	42	0.3	0.35
SEP						
10...	0.55	0.26	0.92	41	0.3	0.34

DATE	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	BROMIDE DIS-SOLVED (MG/L AS BR)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	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)
MAR							
04...	0.7	0.58	<0.010	0.01	0.040	<0.010	<0.010
11...	0.8	0.60	<0.010	0.01	0.070	<0.010	<0.010
18...	0.7	0.58	<0.010	0.01	0.030	<0.010	<0.010
18...	0.8	0.62	0.020	0.02	0.030	0.009	0.010
25...	0.7	0.61	<0.010	<0.01	0.030	<0.010	0.010
APR							
01...	0.6	0.59	<0.010	0.01	0.020	<0.010	<0.010
08...	0.7	0.60	<0.010	0.01	0.060	<0.010	<0.010
14...	0.6	0.66	<0.010	<0.01	0.020	<0.010	<0.010
22...	0.7	0.60	<0.010	<0.01	0.020	<0.010	<0.010
29...	0.6	0.57	<0.010	0.01	0.030	0.030	<0.010
MAY							
06...	0.6	0.57	<0.010	<0.01	0.030	<0.010	<0.010
13...	0.6	0.68	<0.010	<0.01	0.050	0.050	<0.010
20...	0.7	0.55	<0.010	<0.01	0.020	<0.010	<0.010
27...	0.9	0.54	<0.010	<0.01	0.040	<0.010	<0.010
JUN							
03...	0.7	0.57	<0.010	<0.01	0.030	<0.010	<0.010
17...	0.6	0.57	<0.010	<0.01	0.050	<0.010	<0.010
24...	0.6	0.55	<0.010	<0.01	0.060	<0.010	<0.010
JUL							
01...	0.6	0.54	<0.010	<0.01	0.050	<0.010	<0.010
08...	0.6	0.54	<0.010	<0.01	0.050	<0.010	<0.010
AUG							
05...	0.6	0.62	<0.010	<0.01	0.060	<0.010	<0.010
SEP							
10...	0.6	0.62	<0.010	<0.01	0.030	<0.010	<0.010

03544942 BRIER CREEK NEAR HANSON MOUNTAIN, GA.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM)	PH (STANDARD UNITS)	TEMPERATURE WATER (DEG C)	TEMPERATURE AIR (DEG C)	ALKALINITY, CARBONATE IT-FLD (MG/L - CACO3)
OCT						
21...	1250	11	6.70	--	--	4.0

DATE	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	PERCENT SODIUM	SODIUM ADSORPTION RATIO	POTASSIUM, DISSOLVED (MG/L AS K)
OCT						
21...	0.58	0.35	1.2	43	0.3	0.38

DATE	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	BROMIDE DISSOLVED (MG/L AS BR)	FLUORIDE, DISSOLVED (MG/L AS F)	NITROGEN, NITRATE DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	PHOSPHORUS, ORTHO, DISSOLVED (MG/L AS P)
OCT							
21...	0.7	0.60	<0.010	<0.01	0.010	<0.010	<0.010

03544944 BRIER CREEK TRIBUTARY NO 1 NEAR HANSON MOUNTAIN, GA.

LOCATION.--Lat 34°48'55", long 83°42'31", Towns County, Hydrologic Unit 06020002, 0.11 mi upstream from Brier Creek, 1.18 mi north-northwest of the summit of Brier Creek Bald, and 8.9 mi southeast of Hiawassee. The mouth of Brier Creek Tributary No. 1 at Brier Creek is 0.85 mi upstream from the mouth of Brier Creek.
DRAINAGE AREA.--0.15 mi^2.
PERIOD OF RECORD.--October 1985 to October 1986 (discontinued).
REMARKS.--Site operated as part of data-collection network for the Brier Creek watershed acidification study.

ER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	SPE-CIFIC CON-DUCT-ANCE (US/CM)	PH (STAND-ARD UNITS)	TEMPER-ATURE WATER (DEG C)	TEMPER-ATURE AIR (DEG C)	ALKA-LINITY, CARBON-ATE IT-FLD (MG/L - CACO3)
OCT						
08...	1420	11	6.88	12.0	--	3.0
NOV						
19...	1330	12	--	14.0	--	--
26...	1500	11	6.59	14.0	--	3.6
DEC						
17...	1335	10	6.85	8.0	--	4.4
23...	1055	10	6.72	--	--	3.0
JAN						
07...	1500	10	6.81	7.0	--	2.8
14...	1530	10	6.75	6.0	--	2.8
21...	1205	9	6.77	6.5	8.5	3.1
28...	1230	8	6.75	--	--	2.5
FEB						
04...	1420	9	6.76	9.0	--	3.5
11...	1040	9	6.78	7.0	--	3.0
18...	1145	9	6.85	--	--	3.0
25...	1545	9	6.83	7.0	--	2.8
MAR						
04...	1255	8	6.66	--	--	2.8
11...	1100	9	6.81	--	--	3.2
18...	1655	9	6.69	11.0	--	3.0
18...	1656	9	6.69	11.0	--	2.9
25...	1030	8	6.61	9.5	--	3.5
APR						
01...	1045	9	6.56	11.0	21.0	3.2
08...	1210	11	6.79	13.0	--	3.4
14...	1610	10	6.81	12.0	--	3.4
22...	1335	10	6.66	--	--	3.3
29...	1318	10	6.60	12.5	--	3.6
MAY						
06...	1030	11	6.50	12.5	23.0	3.4
13...	1020	11	6.50	13.0	--	3.3
27...	1230	10	6.60	--	--	4.1
JUN						
03...	1040	11	6.54	14.0	--	4.2
17...	0940	10	6.48	--	--	4.2
24...	0940	11	6.46	16.5	--	4.4
JUL						
01...	1054	11	6.61	--	--	4.9
AUG						
05...	1440	11	6.77	--	--	4.5
SEP						
10...	1230	11	6.63	16.0	--	4.6

03544944 BRIER CREEK TRIBUTARY NO 1 NEAR HANSON MOUNTAIN, GA.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	PERCENT SODIUM	SODIUM AD-SORP-TION RATIO	POTAS-SIUM, DIS-SOLVED (MG/L AS K)
MAR						
04...	0.52	0.21	0.90	42	0.3	0.39
11...	0.55	0.24	0.96	42	0.3	0.45
18...	0.53	0.19	0.90	43	0.3	0.42
18...	0.50	0.25	0.89	41	0.3	0.42
25...	0.54	0.20	0.90	42	0.3	0.43
APR						
01...	0.60	0.43	0.93	35	0.2	0.44
08...	0.51	0.28	0.89	39	0.3	0.43
14...	0.48	0.28	0.90	40	0.3	0.43
22...	0.51	0.29	0.86	39	0.2	0.40
29...	0.47	0.29	0.91	40	0.3	0.44
MAY						
06...	0.52	0.30	0.94	40	0.3	0.45
13...	0.55	0.30	0.98	40	0.3	0.47
20...	0.54	0.30	0.86	37	0.2	0.45
27...	0.61	0.28	0.88	37	0.2	0.48
JUN						
03...	0.58	0.26	0.90	39	0.3	0.47
17...	0.61	0.27	0.97	40	0.3	0.46
24...	0.63	0.27	0.98	39	0.3	0.46
JUL						
01...	0.67	0.27	1.0	40	0.3	0.47
AUG						
05...	0.60	0.29	0.95	39	0.3	0.39
SEP						
10...	0.57	0.27	0.93	40	0.3	0.40

DATE	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	BROMIDE DIS-SOLVED (MG/L AS BR)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	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)
MAR							
04...	0.6	0.54	<0.010	0.01	<0.010	<0.010	<0.010
11...	0.7	0.55	<0.010	0.01	0.020	<0.010	<0.010
18...	0.7	0.60	0.010	0.02	0.020	0.011	<0.010
18...	0.6	0.54	<0.010	0.01	0.020	<0.010	<0.010
25...	0.6	0.55	<0.010	0.01	0.010	<0.010	<0.010
APR							
01...	0.6	0.55	<0.010	0.01	0.010	<0.010	<0.010
08...	0.6	0.55	<0.010	0.02	0.020	<0.010	<0.010
14...	0.6	0.53	<0.010	<0.01	0.010	<0.010	<0.010
22...	0.6	0.55	<0.010	<0.01	0.020	<0.010	<0.010
29...	0.6	0.53	<0.010	0.01	0.010	<0.010	<0.010
MAY							
06...	0.6	0.53	<0.010	<0.01	0.020	<0.010	<0.010
13...	0.6	0.57	<0.010	<0.01	0.020	<0.010	<0.010
20...	0.6	0.51	<0.010	<0.01	<0.010	<0.010	<0.010
27...	0.7	0.51	<0.010	<0.01	0.010	<0.010	<0.010
JUN							
03...	0.6	0.53	<0.010	0.02	0.020	<0.010	<0.010
17...	0.6	0.52	<0.010	<0.01	0.020	<0.010	<0.010
24...	0.6	0.53	<0.010	<0.01	0.040	<0.010	<0.010
JUL							
01...	0.6	0.51	<0.010	<0.01	<0.010	<0.010	0.010
AUG							
05...	0.7	0.59	<0.010	<0.01	0.020	<0.010	<0.010
SEP							
10...	0.6	0.59	<0.010	<0.01	0.010	<0.010	<0.010

03544944 BRIER CREEK TRIBUTARY NO 1 NEAR HANSON MOUNTAIN, GA.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM)	PH (STANDARD UNITS)	TEMPERATURE WATER (DEG C)	TEMPERATURE AIR (DEG C)	ALKALINITY, CARBONATE IT-FLD (MG/L - CACO3)
OCT						
21...	1245	11	6.67	--	--	4.3

DATE	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	PERCENT SODIUM	SODIUM ADSORPTION RATIO	POTASSIUM, DISSOLVED (MG/L AS K)
OCT						
21...	0.44	0.34	1.1	45	0.3	0.42

DATE	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	BROMIDE DISSOLVED (MG/L AS BR)	FLUORIDE, DISSOLVED (MG/L AS F)	NITROGEN, NITRATE DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	PHOSPHORUS, ORTHO, DISSOLVED (MG/L AS P)
OCT							
21...	0.6	0.56	0.010	<0.01	0.010	<0.010	<0.010

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 junction with Corbin Creek, and 8.2 mi southeast of Hiawassee.
DRAINAGE AREA.--1.70 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--May 1984 to current year.
GAGE.--Water-stage recorder. Elevation of gage is 2,180 ft above National Geodetic Vertical Datum of 1929 (from topographic map).
REMARKS.--No estimated daily discharges. Records fair.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 85 ft^3/s Nov. 1, 1985, gage height 2.77 ft; minimum daily discharge, 0.66 ft^3/s Aug. 11, 1986.
EXTREMES FOR CURRENT YEAR.--Maximum discharge, 85 ft^3/s Nov. 1; gage height, 2.77 ft; minimum daily discharge 0.66 ft^3/s Aug. 11.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.0	34	11	3.5	2.3	2.9	3.5	2.0	2.8	1.1	.83	1.3
2	2.5	13	9.0	3.2	2.3	2.7	3.4	1.9	2.4	1.1	.75	1.6
3	2.3	8.1	7.5	3.1	2.3	2.7	3.3	1.9	2.2	1.0	.73	1.4
4	1.8	7.5	6.5	3.0	2.3	2.6	3.1	1.8	2.1	1.0	.69	1.2
5	1.7	6.8	5.9	2.9	2.7	2.6	3.0	1.8	2.1	.99	.69	1.1
6	1.6	5.9	5.5	2.9	2.9	2.5	3.0	1.8	2.0	.94	.71	.92
7	1.6	5.3	5.1	2.7	2.9	2.4	3.0	1.8	1.9	.93	.68	.88
8	1.5	4.8	4.9	2.7	2.9	2.3	3.5	1.7	1.8	.91	.75	.81
9	1.5	4.3	4.5	2.6	2.7	2.3	3.3	1.7	1.8	.89	.70	.76
10	1.5	4.2	4.3	2.6	2.7	2.3	3.0	1.6	1.9	.89	.67	.76
11	1.5	3.9	4.4	2.6	2.6	2.9	3.0	1.6	2.0	.87	.66	.79
12	1.5	3.7	4.8	2.5	2.5	2.6	2.9	1.6	1.7	.87	.73	1.2
13	1.5	3.5	5.2	2.5	2.3	8.9	2.8	3.0	1.6	.90	.75	.89
14	1.5	3.4	4.9	2.4	2.4	10	2.7	2.2	1.6	.88	.70	.83
15	1.6	3.3	4.6	2.3	2.3	7.7	2.7	1.9	1.5	.86	1.0	.77
16	1.6	3.5	4.4	2.3	2.3	6.5	2.6	2.0	1.7	.84	.99	.79
17	1.6	3.5	4.2	2.3	3.1	5.7	2.6	1.8	1.4	.82	.89	.76
18	1.6	3.3	4.1	2.6	4.9	5.2	2.6	1.8	1.4	.80	1.0	.78
19	1.6	3.2	3.9	3.8	4.5	6.8	2.5	3.0	1.3	.76	.86	.77
20	1.6	3.1	3.7	3.2	4.1	6.6	2.7	3.0	1.3	.74	1.3	.73
21	2.6	4.0	3.5	3.0	3.9	6.0	2.9	2.4	1.2	.73	1.2	.71
22	2.1	6.4	3.5	2.9	3.6	5.6	2.5	2.2	1.2	.80	.88	.70
23	1.8	5.7	3.5	2.7	3.4	5.2	2.3	2.0	1.2	.79	.79	.71
24	2.0	5.1	3.4	2.6	3.4	4.9	2.2	1.9	1.2	.77	.72	.70
25	1.9	4.6	3.3	2.7	3.1	4.5	2.2	1.8	1.1	.79	.70	.69
26	1.7	4.3	3.1	2.9	3.0	4.3	2.2	1.8	1.1	.86	.69	.67
27	1.6	4.1	3.1	2.5	3.3	4.1	2.1	7.6	1.1	1.1	.92	.67
28	1.6	4.4	2.9	2.7	3.0	4.0	2.2	5.7	1.2	.89	.93	.70
29	1.5	4.9	2.9	2.6	---	3.8	2.1	4.6	1.2	.79	.74	.71
30	2.3	14	2.7	2.5	---	3.7	2.0	3.8	1.2	.73	.72	.73
31	5.4	---	3.7	2.4	---	3.6	---	3.2	---	.70	1.2	---
TOTAL	58.1	185.8	144.0	85.2	83.7	137.9	81.9	76.9	48.2	27.04	25.57	26.03
MEAN	1.87	6.19	4.65	2.75	2.99	4.45	2.73	2.48	1.61	.87	.82	.87
MAX	5.4	34	11	3.8	4.9	10	3.5	7.6	2.8	1.1	1.3	1.6
MIN	1.5	3.1	2.7	2.3	2.3	2.3	2.0	1.6	1.1	.70	.66	.67
CFSM	1.10	3.64	2.74	1.62	1.76	2.62	1.61	1.46	.95	.51	.48	.51
IN.	1.27	4.06	3.15	1.86	1.83	3.02	1.79	1.68	1.05	.59	.56	.57

CAL YR 1985 TOTAL 1397.90 MEAN 3.83 MAX 34 MIN 1.3 CFSM 2.25 IN 30.57
WTR YR 1986 TOTAL 980.34 MEAN 2.69 MAX 34 MIN .66 CFSM 1.58 IN 21.44

03544947 BRIER CREEK NEAR HIAWASSEE, GA.--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--May 1984 to October 1986 (discontinued).

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	AGENCY ANA-LYZING SAMPLE (CODE NUMBER)	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	PH (STAND-ARD UNITS)	TEMPER-ATURE WATER (DEG C)	TEMPER-ATURE AIR (DEG C)	ALKA-LINITY, CARBON-ATE IT-FLD (MG/L - CACO3)
OCT								
01...	1140	80020	2.7	14	6.80	14.5	--	4.6
08...	1710	1028	1.5	12	6.68	12.5	--	4.6
15...	1100	80020	1.5	13	6.83	16.0	--	4.6
22...	1225	1028	1.6	13	6.75	15.5	--	4.7
29...	1145	80020	1.5	12	6.74	12.0	--	4.3
NOV								
05...	1600	1028	6.5	11	6.64	10.0	--	3.2
12...	1300	1028	3.7	11	6.77	13.5	--	3.4
19...	1415	1028	3.2	12	6.82	15.0	--	3.9
26...	1245	1028	4.2	12	6.77	14.0	18.0	3.6
30...	0106	80020	9.2	13	6.59	--	--	3.7
30...	0124	80020	12	12	6.50	--	--	3.9
30...	0324	80020	13	13	6.53	--	--	3.5
30...	0524	80020	15	13	6.57	--	--	3.6
30...	0724	80020	14	13	6.67	--	--	3.6
30...	0924	80020	15	13	6.64	--	--	3.8
30...	1124	80020	15	--	--	--	--	--
30...	1324	80020	14	12	6.60	--	--	3.2
DEC								
03...	1340	1028	7.4	11	6.78	8.0	4.0	3.1
05...	1155	1028	6.0	--	--	--	--	--
10...	1045	1028	4.2	11	6.66	8.5	--	3.3
17...	1415	1028	4.2	10	6.43	6.5	6.0	3.0
23...	0930	80020	3.5	10	6.76	6.0	5.5	3.1
JAN								
07...	1545	80020	2.7	11	6.65	5.5	4.0	3.1
14...	1300	1028	2.5	10	6.71	3.5	8.0	2.9
21...	1030	1028	2.9	9	6.77	4.5	2.0	3.2
28...	1130	1028	3.2	9	6.74	--	--	2.9
FEB								
04...	1615	1028	2.3	10	6.80	9.5	15.5	3.6
11...	0930	1028	2.6	10	6.77	6.5	--	2.5
18...	1100	1028	4.9	9	6.74	8.5	--	2.9
25...	1610	80020	3.0	10	6.77	6.5	--	3.2

03544947 BRIER CREEK NEAR HIAWASSEE, GA.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	AGENCY ANA-LYZING SAMPLE (CODE NUMBER)	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	PH (STAND-ARD UNITS)	TEMPER-ATURE WATER (DEG C)	TEMPER-ATURE AIR (DEG C)	ALKA-LINITY, CARBON-ATE IT-FLD (MG/L - CACO3)
MAR								
04...	1100	1028	2.6	8	6.70	6.5	7.0	3.1
11...	0940	1028	3.9	10	6.80	9.5	14.0	3.2
13...	0930	80020	8.2	11	6.63	--	--	2.8
13...	1042	80020	12	11	6.57	--	--	2.7
13...	1842	80020	13	11	6.65	--	--	2.6
14...	0242	80020	11	10	6.69	--	--	2.8
14...	1042	80020	9.8	10	6.66	--	--	2.8
14...	1842	80020	9.2	10	6.67	--	--	3.0
15...	0242	80020	8.5	10	6.68	--	--	2.9
15...	1042	80020	7.9	10	6.69	--	--	2.9
15...	1148	80020	7.8	10	6.68	--	--	3.0
18...	1420	80020	5.1	10	6.76	11.5	18.0	3.0
18...	1421	80020	5.1	10	6.72	11.5	18.0	3.0
18...	1422	1028	5.1	10	6.76	11.5	18.0	3.0
25...	0905	1028	4.6	9	6.75	9.0	18.5	3.0
25...	1140	1028	4.5	9	6.76	9.0	18.0	--
APR								
01...	1145	1028	3.5	10	6.63	11.0	22.5	3.0
08...	1322	1028	3.5	11	6.74	13.0	15.0	3.3
14...	1735	1028	2.7	12	6.84	12.0	20.0	4.0
22...	1115	1028	2.5	11	6.67	8.5	5.5	3.5
29...	1410	1028	2.1	11	6.57	13.0	22.0	4.0
MAY								
06...	1140	1028	1.8	12	6.50	13.5	23.5	3.8
13...	0925	1028	1.6	13	6.48	--	--	4.4
13...	1236	1028	6.6	--	--	--	--	--
13...	1325	1028	9.1	--	--	--	--	--
13...	1340	1028	8.7	--	--	--	--	--
19...	1654	1028	6.4	12	6.46	--	--	3.8
20...	1500	1028	2.9	12	6.81	13.5	16.0	4.2
27...	0036	1028	5.4	13	6.55	--	--	3.8
27...	0100	1028	8.2	13	6.26	--	--	3.6
27...	0130	1028	13	13	6.21	--	--	3.3
27...	0930	1028	7.3	11	6.60	--	--	3.8
27...	1320	1028	6.6	10	6.75	14.0	19.0	3.8
27...	1730	1028	6.0	12	6.62	--	--	3.9
28...	0130	1028	7.0	12	6.62	--	--	3.6
28...	0930	1028	5.7	11	6.59	--	--	3.6
28...	1730	1028	5.3	11	6.79	--	--	3.7
JUN								
03...	1155	1028	2.2	11	6.66	14.5	17.0	4.1
17...	1055	1028	1.5	10	6.68	16.0	24.0	4.1
24...	1055	1028	1.2	11	6.62	17.0	23.0	4.6
JUL								
01...	1000	1028	1.2	11	6.66	--	--	4.3
08...	1410	1028	0.92	13	6.70	18.0	24.5	4.7
AUG								
05...	1240	1028	0.67	12	6.65	18.0	--	4.5
SEP								
10...	1335	1028	0.79	13	6.79	16.5	--	4.9

03544947 BRIER CREEK NEAR HIAWASSEE, GA.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

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)	PERCENT SODIUM	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)	BROMIDE DIS-SOLVED (MG/L AS BR)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SIO2)
OCT												
01...	80020	1.0	0.33	1.2	35	0.3	0.80	0.9	0.66	<0.010	0.03	8.0
01...	80020	1.0	0.30	2.0	48	0.5	0.80	0.9	0.66	0.010	0.03	8.0
15...	80020	0.82	0.29	1.2	39	0.3	0.70	0.7	0.63	0.010	0.02	8.8
29...	80020	1.0	0.35	1.2	35	0.3	0.70	0.7	0.66	<0.010	0.03	9.0
NOV												
12...	1028	0.66	0.18	1.0	43	0.3	0.47	0.7	0.57	<0.010	0.01	--
30...	80020	0.69	0.30	1.0	37	0.3	0.56	0.9	0.57	0.020	0.03	6.2
30...	80020	0.67	0.27	0.90	36	0.2	0.58	0.8	0.55	0.020	0.03	6.1
30...	80020	0.68	0.29	0.90	35	0.2	0.59	1	0.56	0.020	0.03	5.7
30...	80020	0.66	0.31	0.90	35	0.2	0.56	1.0	0.61	0.020	0.03	6.0
30...	80020	0.71	0.28	1.0	37	0.3	0.56	1.0	0.63	0.020	0.02	6.1
30...	80020	0.62	0.26	1.0	40	0.3	0.53	1	0.63	0.020	0.02	6.2
30...	80020	0.58	0.25	0.90	38	0.3	0.53	1	0.65	0.020	0.03	6.4
30...	80020	0.57	0.22	1.0	42	0.3	0.53	0.9	0.67	0.020	0.04	6.5
DEC												
23...	80020	0.50	0.20	1.0	45	0.3	0.42	0.7	0.61	<0.010	<0.01	7.4
JAN												
07...	80020	0.50	0.20	1.1	47	0.3	0.45	0.7	0.64	<0.010	<0.01	7.3
FEB												
25...	80020	0.55	0.22	1.0	43	0.3	0.43	0.8	0.62	0.010	0.03	7.1
MAR												
04...	1028	0.59	0.19	1.0	44	0.3	0.39	0.7	0.58	<0.010	0.01	--
11...	1028	0.66	0.22	1.0	42	0.3	0.43	0.8	0.59	<0.010	0.01	--
13...	80020	0.66	0.31	0.90	35	0.2	0.52	1.5	0.64	<0.010	<0.01	5.6
13...	80020	0.51	0.26	0.90	40	0.3	0.43	0.9	0.65	0.010	<0.01	5.9
13...	80020	0.40	0.19	0.60	35	0.2	0.47	1.1	0.65	0.020	<0.01	3.9
14...	80020	0.16	0.09	0.30	34	0.2	0.41	0.9	0.62	0.020	0.01	1.5
14...	80020	0.63	0.26	0.90	37	0.2	0.51	1.3	0.60	<0.010	0.02	5.4
15...	80020	0.51	0.19	0.90	43	0.3	0.40	0.9	0.64	0.010	<0.01	6.2
15...	80020	0.52	0.23	1.0	44	0.3	0.37	0.9	0.67	0.010	0.01	6.3
15...	80020	0.50	0.22	0.90	42	0.3	0.41	0.8	0.63	0.010	0.02	6.1
18...	80020	0.50	0.16	1.0	46	0.3	0.48	0.8	0.67	0.010	<0.01	6.9
18...	80020	0.51	0.16	1.0	47	0.3	0.39	0.8	0.62	0.020	0.02	6.9
18...	1028	0.58	0.23	0.98	42	0.3	0.41	0.7	0.59	<0.010	0.01	--
25...	1028	0.57	0.21	0.96	43	0.3	0.39	0.7	0.58	<0.010	0.01	--
APR												
01...	1028	0.62	0.35	1.0	39	0.3	0.41	0.6	0.57	<0.010	0.01	--
08...	1028	0.58	0.26	1.0	41	0.3	0.44	0.7	0.60	<0.010	<0.01	--
14...	1028	0.55	0.26	1.3	47	0.4	0.54	0.7	0.81	<0.010	<0.01	--
22...	1028	0.52	0.27	0.98	42	0.3	0.39	0.7	0.57	<0.010	<0.01	--
29...	1028	0.54	0.27	1.0	43	0.3	0.42	0.7	0.57	<0.010	0.02	--
MAY												
06...	1028	0.58	0.26	1.0	42	0.3	0.43	0.6	0.57	<0.010	<0.01	--
13...	1028	0.68	0.36	1.0	36	0.3	0.57	1	0.55	<0.010	<0.01	--
13...	1028	0.86	0.39	1.0	32	0.2	0.71	1.6	0.56	<0.010	<0.01	--
13...	1028	0.94	0.42	0.98	30	0.2	0.77	1.9	0.50	<0.010	<0.01	--
13...	1028	1.0	0.42	1.0	29	0.2	0.78	1.8	0.52	<0.010	<0.01	--
19...	1028	0.68	0.31	0.96	36	0.2	0.53	0.9	0.47	<0.010	<0.01	--
20...	1028	0.62	0.29	1.0	40	0.3	0.44	0.7	0.55	<0.010	<0.01	--
27...	1028	0.66	0.33	0.93	35	0.2	0.58	1.2	0.49	<0.010	<0.01	--
27...	1028	0.81	0.31	0.95	34	0.2	0.62	1.3	0.43	<0.010	0.03	--
27...	1028	0.85	0.32	0.86	31	0.2	0.64	1.5	0.41	<0.010	<0.01	--
27...	1028	0.71	0.30	0.94	36	0.2	0.49	1.0	0.52	<0.010	<0.01	--
27...	1028	0.62	0.26	0.96	39	0.3	0.46	0.9	0.53	<0.010	<0.01	--
27...	1028	0.70	0.29	0.80	33	0.2	0.45	0.9	0.54	<0.010	<0.01	--
28...	1028	0.67	0.27	0.94	38	0.3	0.46	0.9	0.53	<0.010	<0.01	--
28...	1028	0.70	0.28	0.92	37	0.2	0.44	0.8	0.55	<0.010	0.01	--
28...	1028	0.66	0.28	0.95	38	0.3	0.46	0.8	0.53	<0.010	0.05	--
JUN												
03...	1028	0.64	0.28	1.0	40	0.3	0.45	0.7	0.56	<0.010	<0.01	--
17...	1028	0.70	0.27	1.1	41	0.3	0.45	0.6	0.55	<0.010	<0.01	--
24...	1028	0.68	0.27	1.1	42	0.3	0.45	0.6	0.54	<0.010	<0.01	--
JUL												
01...	1028	0.73	0.27	1.2	42	0.3	0.47	0.6	0.52	<0.010	0.04	--
08...	1028	0.77	0.28	1.2	41	0.3	0.47	0.6	0.54	<0.010	<0.01	--
AUG												
05...	1028	0.63	0.28	1.0	41	0.3	0.39	0.7	0.61	<0.010	<0.01	--
SEP												
10...	1028	0.68	0.28	1.0	40	0.3	0.40	0.7	0.64	<0.010	<0.01	--

03544947 BRIER CREEK NEAR HIAWASSEE, GA.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	AGENCY ANA- LYZING SAMPLE (CODE NUMBER)	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)	ALUM- INUM, DIS- SOLVED (UG/L AS AL)	IRON, DIS- SOLVED (UG/L AS FE)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)
OCT							
01...	80020	--	0.005	<0.010	30	11	2
01...	80020	--	0.005	<0.010	20	11	2
15...	80020	--	0.027	0.020	<10	9	3
29...	80020	0.010	0.007	<0.010	20	12	2
NOV							
12...	1028	<0.010	<0.010	0.010	--	--	--
30...	80020	0.020	0.080	<0.010	20	14	<1
30...	80020	0.030	0.074	<0.010	20	14	<1
30...	80020	0.030	0.097	<0.010	40	17	<1
30...	80020	0.060	0.093	<0.010	30	20	<1
30...	80020	0.040	0.109	<0.010	20	13	1
30...	80020	0.030	0.173	<0.010	20	12	<1
30...	80020	0.020	0.114	<0.010	20	11	<1
30...	80020	0.030	0.093	<0.010	20	12	<1
DEC							
23...	80020	0.030	0.007	<0.010	10	<3	<1
JAN							
07...	80020	0.030	0.006	<0.010	<10	<3	<1
FEB							
25...	80020	0.020	0.011	<0.010	<10	3	1
MAR							
04...	1028	0.020	<0.010	<0.010	--	--	--
11...	1028	0.040	<0.010	0.010	--	--	--
13...	80020	0.070	0.041	<0.010	30	10	<1
13...	80020	0.050	0.061	<0.010	<10	5	<1
13...	80020	0.080	0.041	<0.010	<20	9	1
14...	80020	0.070	0.052	<0.010	<10	<3	2
14...	80020	0.060	0.035	<0.010	30	14	<1
15...	80020	0.050	0.064	<0.010	<10	7	<1
15...	80020	0.040	0.062	<0.010	<10	10	1
15...	80020	0.030	0.052	<0.010	<10	6	<1
18...	80020	0.020	0.016	<0.010	<10	6	<1
18...	80020	0.020	0.043	<0.010	<10	5	<1
18...	1028	0.010	<0.010	<0.010	--	--	--
25...	1028	0.010	<0.010	<0.010	--	--	--
APR							
01...	1028	0.010	0.010	<0.010	--	--	--
08...	1028	0.030	<0.010	<0.010	--	--	--
14...	1028	0.010	0.040	<0.010	--	--	--
22...	1028	0.010	<0.010	<0.010	--	--	--
29...	1028	0.020	<0.010	<0.010	--	--	--
MAY							
06...	1028	0.030	<0.010	<0.010	--	--	--
13...	1028	0.060	0.040	<0.010	--	--	--
13...	1028	0.120	0.040	<0.010	--	--	--
13...	1028	0.170	0.070	<0.010	--	--	--
13...	1028	0.140	0.130	<0.010	--	--	--
19...	1028	0.020	<0.010	0.010	--	--	--
20...	1028	0.020	<0.010	<0.010	--	--	--
27...	1028	0.070	0.050	<0.010	--	--	--
27...	1028	0.080	0.130	<0.010	--	--	--
27...	1028	0.080	0.050	<0.010	--	--	--
27...	1028	0.050	0.040	<0.010	--	--	--
27...	1028	0.030	<0.010	<0.010	--	--	--
27...	1028	0.030	0.030	<0.010	--	--	--
28...	1028	0.030	0.060	<0.010	--	--	--
28...	1028	0.020	0.040	<0.010	--	--	--
28...	1028	0.020	0.040	<0.010	--	--	--
JUN							
03...	1028	0.040	<0.010	<0.010	--	--	--
17...	1028	0.040	<0.010	<0.010	--	--	--
24...	1028	0.070	<0.010	<0.010	--	--	--
JUL							
01...	1028	0.040	0.080	<0.010	--	--	--
08...	1028	0.050	<0.010	<0.010	--	--	--
AUG							
05...	1028	0.070	<0.010	<0.010	--	--	--
SEP							
10...	1028	0.030	<0.010	<0.010	--	--	--

03544947 BRIER CREEK NEAR HIAWASSEE, GA.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TIME	AGENCY ANA-LYZING SAMPLE (CODE NUMBER)	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	PH (STAND-ARD UNITS)	TEMPER-ATURE WATER (DEG C)	TEMPER-ATURE AIR (DEG C)	ALKA-LINITY, CARBON-ATE IT-FLD (MG/L - CACO3)
OCT								
21...	1430	1028	0.69	12	6.83	--	--	4.7

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)	PERCENT SODIUM	SODIUM AD-SORP-TION RATIO	POTAS-SIUM, DIS-SOLVED (MG/L AS K)
OCT							
21...	1028	0.68	0.36	1.2	42	0.3	0.42

DATE	AGENCY ANA-LYZING SAMPLE (CODE NUMBER)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	BROMIDE DIS-SOLVED (MG/L AS BR)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	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								
21...	1028	0.7	0.61	<0.010	<0.01	0.010	<0.010	<0.010

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 mi^2.
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.--Estimated daily discharges: Dec. 26-28 and Jan. 28-30. Records good.
AVERAGE DISCHARGE.--74 years, 494 ft^3/s, 37.90 in/yr.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 14,700 ft^3/s Aug. 23, 1967, gage height, 13.73 ft, from rating curve extended above 5,000 ft^3/s on basis of slope-area measurement at gage height 11.20 ft, and a contracted-opening measurement at 13.73 ft; minimum, 60 ft^3/s Sept. 6, 1925, gage height, 0.40 ft.
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.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 2,400 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)
Mar. 13	1715	*1,230	*3.30

Minimum daily discharge, 83 ft^3/s Aug. 7.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	332	625	498	376	227	260	288	223	202	161	100	204
2	301	450	459	297	225	254	285	218	197	166	99	256
3	268	341	388	282	224	255	281	212	189	156	93	287
4	228	338	357	270	219	248	278	210	189	139	88	210
5	198	302	337	262	271	245	274	210	188	132	85	217
6	184	277	322	250	265	242	272	209	183	128	84	173
7	179	265	304	252	291	236	319	223	179	124	83	153
8	175	252	295	243	254	231	331	223	186	123	91	139
9	174	239	288	235	242	230	317	206	197	120	122	131
10	171	233	278	248	240	233	279	200	223	114	105	129
11	168	229	279	239	243	252	270	203	188	115	101	130
12	165	225	341	234	226	239	265	211	177	118	109	275
13	165	220	439	231	218	683	262	219	169	120	102	186
14	166	215	359	224	242	651	257	219	165	135	97	154
15	165	212	323	227	271	533	259	202	163	145	97	139
16	164	215	312	221	247	434	250	198	158	120	94	134
17	159	246	302	224	354	382	249	198	154	115	91	133
18	156	230	292	238	626	356	247	194	153	119	94	128
19	157	216	280	332	423	469	243	217	149	109	178	130
20	155	212	277	267	359	409	251	239	149	103	496	127
21	204	267	267	244	327	370	280	204	144	99	540	122
22	260	322	264	238	309	352	265	194	140	114	200	121
23	207	266	271	232	293	341	244	190	138	175	154	125
24	368	244	264	226	287	332	239	191	156	121	134	120
25	324	236	254	232	279	322	237	189	160	133	122	116
26	227	230	205	277	268	318	235	192	139	137	117	114
27	205	242	250	232	293	313	230	383	135	135	160	111
28	218	293	250	160	273	306	239	378	134	130	156	108
29	192	458	246	180	---	300	247	273	137	115	130	147
30	196	605	242	220	---	297	227	234	163	104	118	122
31	249	---	353	231	---	291	---	214	---	97	146	---
TOTAL	6480	8705	9596	7624	7996	10384	7920	6876	5004	3922	4386	4641
MEAN	209	290	310	246	286	335	264	222	167	127	141	155
MAX	368	625	498	376	626	683	331	383	223	175	540	287
MIN	155	212	205	160	218	230	227	189	134	97	83	108
CFSM	1.18	1.64	1.75	1.39	1.62	1.89	1.49	1.25	.94	.72	.80	.88
IN.	1.36	1.83	2.02	1.60	1.68	2.18	1.66	1.45	1.05	.82	.92	.98

CAL YR 1985 TOTAL 117628 MEAN 322 MAX 1750 MIN 155 CFSM 1.82 IN 24.72
WTR YR 1986 TOTAL 83534 MEAN 229 MAX 683 MIN 83 CFSM 1.29 IN 17.56

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 mi^2.
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 determination of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen is by the U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM)	PH (STAND-ARD UNITS)	PH 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...	1430	72	--	280	7.9	7.8	18.0	25.0	7.1	--
JAN										
30...	0845	140	252	237	7.4	8.1	--	-1.0	12.9	--
MAR										
26...	0830	215	216	207	8.3	8.1	14.5	16.0	9.4	92
MAY										
28...	1430	116	250	271	7.8	7.6	22.0	28.0	5.2	61
JUL										
30...	1415	20	290	296	8.0	8.1	28.0	35.0	6.4	84
SEP										
24...	1345	44	290	289	7.8	8.0	24.0	32.0	5.8	70

DATE	TUR-BID-ITY (NTU)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, FECAL, EC BROTH (MPN)	HARD-NESS (MG/L AS CACO3)	HARD-NESS NONCARB WH WAT TOT LAB MG/L AS CACO3	ALKA-LINITY 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...	9.0	1.4	80	140	15	121	0.230	0.060	0.060	2.9
JAN										
30...	8.0	1.4	140	120	19	101	0.480	<0.020	0.060	2.5
MAR										
26...	9.0	1.3	140	96	9	87	0.350	0.050	0.030	4.0
MAY										
28...	15	1.7	790	120	17	107	0.710	0.130	0.070	2.4
JUL										
30...	5.0	0.5	40	140	24	118	0.330	0.070	0.060	3.1
SEP										
24...	6.0	1.2	80	140	23	115	0.620	0.060	0.080	2.4

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 mi^2.
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 determination of Discharge, Specific Conductance, pH, Water Temperature, Air Temperature, and Dissolved Oxygen is by the U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM)	PH (STAND-ARD UNITS)	PH 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...	1500	52	342	324	7.60	7.70	16.0	15.5	5.8	60
NOV										
19...	1530	67	--	329	7.50	7.50	17.5	25.0	5.6	--
DEC										
18...	0900	175	--	258	7.20	7.80	5.0	-1.0	9.6	--
JAN										
30...	0930	113	--	292	7.20	7.80	4.5	-1.0	11.2	--
FEB										
27...	0815	208	255	236	7.30	7.70	11.0	10.0	10.2	95
MAR										
26...	0915	139	265	266	7.80	7.70	14.0	14.5	9.0	87
APR										
30...	0815	73	308	283	7.60	7.60	17.0	20.0	5.1	53
MAY										
28...	1530	89	290	309	7.70	7.50	22.0	28.0	5.1	60
JUN										
24...	1145	28	320	338	7.60	7.50	26.0	31.0	4.2	53
JUL										
30...	1515	25	--	365	7.70	7.80	27.0	35.5	4.6	--
AUG										
26...	1400	21	360	353	8.00	7.80	25.5	31.0	4.2	52
SEP										
24...	1400	28	380	387	7.60	7.90	25.0	32.0	4.4	54

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 (MG/L AS CACO3)	HARD-NESS NONCARB WH WAT TOT LAB MG/L AS CACO3	ALKA-LINITY LAB (MG/L AS CACO3)	SOLIDS, RESIDUE 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)
OCT										
30...	15	11	2.3	490	150	3	147	28	0.500	0.110
NOV										
19...	11	14	3.2	940	140	0	140	10	0.470	0.140
DEC										
18...	15	9	3.0	1300	130	9	121	7	0.760	0.120
JAN										
30...	25	20	3.7	490	140	15	129	2	0.670	0.130
FEB										
27...	25	12	2.1	3300	120	16	108	40	0.970	0.090
MAR										
26...	21	11	2.0	210	120	7	117	33	0.430	0.080
APR										
30...	30	12	2.0	130	130	2	126	57	0.860	0.180
MAY										
28...	64	16	2.4	2300	120	0	123	88	0.770	0.150
JUN										
24...	19	12	2.1	--	130	0	139	22	0.400	0.140
JUL										
30...	11	--	0.6	170	130	0	153	13	0.380	0.080
AUG										
26...	20	--	--	170	120	0	144	40	0.780	0.090
SEP										
24...	22	--	1.5	490	140	0	150	37	0.660	0.080

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, 0.5 mi downstream of Squirrel Town Creek, 2.2 mi southeast of New England, and at mile 16.3.
DRAINAGE AREA.--149 mi^2.
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).
REMARKS.--No estimated daily discharges. Records good. Daily water temperatures for November 1980 to September 1984 published in reports of U.S. Geological Survey.
AVERAGE DISCHARGE.--7 years, 236 ft^3/s, 21.51 in/yr.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 20,000 ft^3/s Aug. 17, 1982, gage height, 20.73 ft; minimum daily discharge, 13 ft^3/s July 31, Aug. 6, 7, 15, 16.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 3,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)
Feb. 18	1730	*3,870	*13.62

Minimum daily discharge, 13 ft^3/s July 31, Aug. 6, 7, 15, 16.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	125	48	281	186	89	165	92	45	67	26	14	27
2	175	78	350	144	86	150	86	43	58	26	14	29
3	88	85	264	132	82	142	81	41	54	27	14	29
4	61	84	210	123	80	132	79	39	49	25	14	32
5	51	96	175	112	89	123	72	38	47	23	14	69
6	42	90	152	101	90	114	68	38	45	22	13	52
7	37	77	132	93	88	104	68	37	41	21	13	34
8	34	66	115	85	81	94	110	37	42	21	16	30
9	31	58	99	78	77	87	170	36	234	20	19	27
10	29	51	86	76	78	84	133	34	353	20	16	26
11	28	48	81	74	132	88	121	33	201	19	16	25
12	27	45	115	70	144	85	107	34	158	18	15	321
13	26	41	522	67	129	130	96	34	121	18	14	131
14	26	39	394	64	193	153	87	33	90	18	14	70
15	26	36	289	61	449	135	81	32	70	19	13	53
16	26	37	235	58	330	124	74	31	57	20	13	44
17	25	40	198	58	525	115	69	31	47	19	14	38
18	25	41	167	56	3340	107	66	59	40	19	16	36
19	24	40	144	61	1250	358	62	84	36	20	14	35
20	24	38	131	62	747	367	61	47	33	17	28	34
21	26	38	115	58	553	266	63	40	31	17	52	32
22	27	39	100	55	441	229	63	36	29	17	26	31
23	55	38	92	53	361	209	61	33	27	17	23	29
24	45	39	84	52	305	182	58	32	26	18	22	32
25	37	35	74	56	267	166	52	37	25	26	21	28
26	33	34	63	120	232	151	50	47	24	22	22	28
27	29	34	60	135	217	140	48	117	23	18	23	27
28	28	229	57	109	190	129	48	253	22	18	65	27
29	26	391	54	111	---	118	48	177	22	17	42	26
30	25	306	51	107	---	108	46	116	22	14	28	26
31	28	---	90	97	---	100	---	81	---	13	28	---
TOTAL	1289	2321	4980	2714	10645	4655	2320	1775	2094	615	656	1428
MEAN	41.6	77.4	161	87.5	380	150	77.3	57.3	69.8	19.8	21.2	47.6
MAX	175	391	522	186	3340	367	170	253	353	27	65	321
MIN	24	34	51	52	77	84	46	31	22	13	13	25
CFSM	.28	.52	1.08	.59	2.55	1.01	.52	.39	.47	.13	.14	.32
IN.	.32	.58	1.24	.68	2.66	1.16	.58	.44	.52	.15	.16	.36

CAL YR 1985 TOTAL 54167 MEAN 148 MAX 2610 MIN 24 CFSM .99 IN 13.52
WTR YR 1986 TOTAL 35492 MEAN 97.2 MAX 3340 MIN 13 CFSM .65 IN 8.86

LAKES IN TENNESSEE RIVER BASIN

03553000 NOTTELY LAKE.--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 mi^2. PERIOD OF RECORD, January 1942 to current year. GAGE, water-stage recorder. Datum of gage is at National Geodetic Vertical Datum of 1929.

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 ft^3/s-days, of which 59,100 ft^3/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 ft^3/s-days Apr. 20, 1943, elevation, 1,780.50 ft; maximum elevation, 1,781.47 ft May 28, 1973; minimum (after first filling), 200 ft^3/s-days Oct. 6, 1947, elevation, 1638.6 ft.

EXTREMES FOR CURRENT YEAR: Maximum contents, 54,600 ft^3/s-days June 1, elevation, 1,760.36 ft; minimum, 38,800 ft^3/s-days Feb. 14, elevation, 1,746.44 ft.

MONTHEND ELEVATION AND CONTENTS AT 2400, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

Date	Elevation (feet)	Contents (cfs-days)	Change in contents (cfs-days)	Change in contents (equivalent in cubic feet per second)
Sept. 30.....	1759.44	53400	-	-
Oct. 31.....	1754.01	46800	-6600	-213
Nov. 30.....	1752.88	45600	-1200	-40
Dec. 31.....	1749.40	41800	-3800	-123
CAL YR 1985	-	-	+1400	+4
Jan. 31.....	1747.03	39400	-2400	-77
Feb. 28.....	1750.26	42700	+3300	+118
Mar. 31.....	1755.65	48700	+6000	+194
Apr. 30.....	1759.30	53200	+4500	+150
May 31.....	1760.31	54600	+1400	+45
June 30.....	1758.24	51900	-2700	-90
July 31.....	1754.88	47800	-4100	-132
Aug. 31.....	1752.80	45500	-2300	-74
Sept. 30.....	1751.82	44400	-1100	-37
WTR YR 1986	-	-	-9000	-25

03558500 BLUE RIDGE LAKE.--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 mi^2. PERIOD OF RECORD, December 1930 to current year (prior to Aug. 16, 1939, only midnight readings available). GAGE, water-stage recorder. Datum of gage is at Tennessee Electric Power Co. datum; to convert to National Geodetic Vertical Datum of 1929, subtract 0.18 ft from elevations given herein.

Lake is formed by earth dam. Spillway equipped with five taintor 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 ft^3/s-days, of which 92,800 ft^3/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 ft^3/s-days Feb. 11, 1946, elevation, 1,691.54 ft; minimum (after first filling), 6,500 ft^3/s-days Jan. 16, 1956, elevation, 1,587.75 ft.

EXTREMES FOR CURRENT YEAR: Maximum contents, 72,500 ft^3/s-days June 12, elevation, 1,674.12 ft; minimum, 44,200 ft^3/s-days Feb. 13, elevation, 1,650.64 ft.

MONTHEND ELEVATION AND CONTENTS AT 2400, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

Date	Elevation (feet)	Contents (cfs-days)	Change in contents (cfs-days)	Change in contents (equivalent in cubic feet per second)
Sept. 30.....	1664.86	60200	-	-
Oct. 31.....	1665.31	60800	+600	+19
Nov. 30.....	1660.40	54800	-6000	-200
Dec. 31.....	1658.54	52700	-2100	-68
CAL YR 1985	-	-	+10300	+28
Jan. 31.....	1651.35	44900	-7800	-252
Feb. 28.....	1655.77	49600	+4700	+168
Mar. 31.....	1664.41	59600	+10000	+323
Apr. 30.....	1670.74	67800	+8200	+273
May 31.....	1673.97	72300	+4500	+145
June 30.....	1671.24	68500	-3800	-127
July 31.....	1665.44	60900	-7600	-245
Aug. 31.....	1661.23	55800	-5100	-165
Sept. 30.....	1658.91	53100	-2700	-90
WTR YR 1986	-	-	-7100	-19

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.

Annual maximum discharge at crest-stage partial-record stations during water year 1986

Station no.	Station name	Location	Drainage area (mi^2)	Period of record	Annual maximum		
					Date	Gage height (feet)	Discharge (ft^3/s)
		Savannah River Basin					
02191280	Mill Shoal Creek near Royston, Ga.	Lat 34°16'13", long 83°06'08", Hart County, Hydrologic Unit 03060103, at culvert on State Highway 17, 1.2 miles southeast of Royston.	0.32	1964-86	1986	(d)	<15
02191930	Buffalo Creek near Lexington, Ga.	Lat 33°46'40", long 83°03'01", Oglethorpe County, Hydrologic Unit 03060104, at culvert on State Highway 22, 7 miles southeast of Lexington.	5.80	1964-86	01-19-86	1.85	66
02192300	Hog Fork Fishing Creek tributary near Tignall, Ga.	Lat 33°49'05", long 82°45'21", Wilkes County, Hydrologic Unit 03060104, at culvert on State Highway 17, 4.2 miles south of Tignall.	.097	1959-86	05-28-86	8.04	64
02195150	Kiokee Creek at Appling, Ga.	Lat 33°32'33", long 82°18'56", Columbia County, Hydrologic Unit 03060106, at U.S. Highway 221, at Appling.	43.9	1984-86	03-20-86	7.79	294
02196570	Raes Creek tributary No. 2 at Augusta, Ga.	Lat 33°30'19", long 82°02'34", Richmond County, Hydrologic Unit 03060106, at culvert on Skinner Mill Road at junction with Boy Scout Road, at Augusta.	.66	1979-86	08-28-86	9.98	(†)
02196605	Raes Creek tributary No. 1 at Augusta, Ga.	Lat 33°29'36", long 82°02'17", Richmond County, Hydrologic Unit 0306106, at culvert on Boy Scout Road at Augusta.	1.67	1979-86	07-24-86	8.37	(†)
02196725	Oates Creek at Augusta, Ga.	Lat 33°27'19", long 82°00'23", Richmond County, Hydrologic Unit 03060106, at culvert on White Road at Augusta.	2.13	1979-86	08-06-86	5.59	201
02196760	Rocky Creek tributary at Augusta, Ga.	Lat 33°27'07", long 82°02'57", Richmond County, Hydrologic Unit 03060106, at culvert on U.S. Highways 78 and 278 at Augusta.	1.65	1979-86	08-06-86	6.25	510

† Discharge not determined.
d Peak stage did not reach bottom of gage.

Crest-stage partial-record stations--Continued

Annual maximum discharge at crest-stage partial-record stations during water year 1986--Continued

Station no.	Station name	Location	Drainage area (mi^2)	Period of record	Annual maximum Date	Gage height (feet)	Dis-charge (ft^3/s)
		Savannah River Basin--Continued					
02197190	McBean Creek near McBean, Ga.	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.	41.4	1963-86	11-22-85	4.46	295
02198532	Ebenezer Creek tributary near Kildare, Ga.	Lat 32°33'04", long 81°22'15", Effingham County, Hydrologic Unit 03060109, at culvert on Clyo Road, near Kildare.	a1.11	1979-86	11-22-85	1.66	65
		Ogeechee River Basin					
02200000	Ogeechee River at Jewell, Ga.	Lat 33°17'48", long 82°46'40", Hancock-Warren County line, Hydrologic Unit 03060201, at State Highway 16, at Jewell.	242	1971, 1984-86	1986	(d)	<1400
02200400	Rocky Comfort Creek near Grange, Ga.	Lat 33°06'09", long 82°34'02", Jefferson County, Hydrologic Unit 03060201, at State Highway 88, 1.5 miles northeast of Grange.	188	1979-86	11-22-85	9.21	612
02200930	Ogeechee River tributary near Louisville, Ga.	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.	14.2	1965-86	11-22-85	3.86	171
02200950	Ogeechee River near Wadley, Ga.	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.	a990	1970-86	1986	(d)	<4,200
02202000	Ogeechee River at Scarboro, Ga.	Lat 32°42'38", long 81°52'46", Jenkins County, Hydrologic Unit 03060202, at abandoned highway bridge at Scarboro, 7.5 miles southeast of Millen.	a1,940	1938-71††, 1972-86	12-17-85	9.30	8,200
02202605	Mill Creek near Pembroke, Ga.	Lat 32°09'39", long 81°36'15", Bryan County, Hydrologic Unit 03060202, at culvert on State Highway 119, near Pembroke.	a3.53	1979-86	02-11-86	4.16	187
02202865	Canoochee River near Metter, Ga.	Lat 32°31'20", long 82°05'25", Candler County, Hydrologic Unit 03060203, at State Highways 23 and 121, 5 miles south of Metter.	202	1970-86	12-14-85	11.22	3,740
02202910	Ten Mile Creek tributary at Pulaski, Ga.	Lat 32°23'18", long 81°58'17", Candler County, Hydrologic Unit 03060203, at culvert on State Highway 46, 0.8 mile west of Pulaski.	1.14	1965-86	12-13-85	5.44	277
02203280	Canoochee River near Daisy, Ga.	Lat 32°08'54", long 81°46'54", Evans County, Hydrologic Unit 03060203, at U.S. Highway 280, 3 miles east of Daisy.	833	1970-86	11-24-85	15.10	10,600
02203540	Grove River tributary near Savannah, Ga.	Lat 31°58'28", long 81°13'10", Chatham County, Hydrologic Unit 03060204, at culvert on Grove Point Road, near Savannah.	a0.67	1979-86	08-13-86	5.80	95

†† Operated as a continuous-record gaging station.
a Approximately.
d Peak stage did not reach bottom of gage.

Crest-stage partial-record stations--Continued

Annual maximum discharge at crest-stage partial-record stations during water year 1986--Continued

Station no.	Station name	Location	Drainage area (mi^2)	Period of record	Annual maximum Date	Gage height (feet)	Discharge (ft^3/s)
		Ogeechee River Basin--Continued					
02203541	Harmon Canal tributary at Savannah, Ga.	Lat 32°00'02", long 81°06'49", Chatham County, Hydrologic Unit 03060204, at culvert on Hodgson Memorial Drive, at Savannah.	0.24	1979-86	08-12-86	5.59	66
02203542	Harmon Canal at Hunter Army Airfield near Savannah, Ga.	Lat 32°00'00", long 81°07'45", Chatham County, Hydrologic Unit 03060204, at culvert on perimeter road within Hunter Army Airfield, near Savannah.	1.27	1979-86	09-04-79	6.48	267
					03-12-80	5.30	208
					08-12-81	6.55	270
					04-25-82	4.76	179
					09-01-83	6.60	273
					08-20-84	5.45	216
					07-29-85	6.42	264
					07-26-86	4.93	189
02203543	Wilshire Canal near Savannah, Ga.	Lat 31°59'27", long 81°08'15", Chatham County, Hydrologic Unit 03060204, at culvert on Tibet Avenue near Savannah.	.95	1979-86	03-13-86	5.57	134
02203544	Wilshire Canal tributary near Savannah, Ga.	Lat 31°58'25", long 81°08'20", Chatham County, Hydrologic Unit 03060204, at culvert on Windsor Road near Savannah.	.18	1979-86	03-13-86	2.39	46
		Altamaha River Basin					
02203800	South River at Atlanta, Ga.	Lat 33°40'46", long 84°18'30", DeKalb County, Hydrologic Unit 03070103, at Bouldercrest Road at Atlanta.	41.5	1951-86	1986	(d)	<2,000
02203835	Shoal Creek near Atlanta, Ga.	Lat 33°44'48", long 84°16'50", DeKalb County, Hydrologic Unit 03070103, at culvert on Line Street near Atlanta.	3.43	1974-86	12-01-85	4.42	638
02203845	Shoal Creek tributary near Atlanta, Ga.	Lat 33°43'05", long 84°15'45", DeKalb County, Hydrologic Unit 03070103, at culvert on Glendale Drive near Atlanta.	.84	1973-78, 1980-86	10-01-85	4.39	358
02203884	Conley Creek near Forest Park, Ga.	Lat 33°38'08", long 84°20'37", Clayton County, Hydrologic Unit 03070103, at culvert on Rock Cut Road near Forest Park.	1.88	1973-78, 1980-86	10-01-85	4.19	379
02204135	Camp Creek tributary near Stockbridge, Ga.	Lat 33°34'35", long 84°08'50", Henry County, Hydrologic Unit 03070103, at culvert on State Highway 155, 5 miles northeast of Stockbridge.	.28	1977-86	1986	(d)	<6
02206500	Yellow River near Snellville, Ga.	Lat 33°51'11", long 84°04'45", Gwinnett County, Hydrologic Unit 03070103, on left bank at downstream side of county highway bridge, 3.2 miles west of Snellville.	134	1943-71††, 1973-86	1986	(d)	<1,900
02213350	Tobesofkee Creek below Forsyth, Ga.	Lat 32°59'37", long 83°56'41", Monroe County, Hydrologic Unit 03070103, at State Highway 42, 3 miles west of Forsyth.	53.4	1963-72, 1974-86	03-19-86	1.61	2,360

†† Operated as a continuous-record gaging station.
d Peak stage did not reach bottom of gage.

Crest-stage partial-record stations--Continued

Annual maximum discharge at crest-stage partial-record stations during water year 1986--Continued

Station no.	Station name	Location	Drainage area (mi^2)	Period of record	Annual maximum Date	Gage height (feet)	Discharge (ft^3/s)
		Altamaha River Basin--Continued					
02214280	Savage Creek near Bullard, Ga.	Lat 32°35'34", long 83°28'11", Twiggs County, Hydrologic Unit 03070104, at U.S. Highway 23, 3 miles southeast of Bullard.	33.0	1979-86	02-07-86	8.31	176
02214820	Mossy Creek near Perry, Ga.	Lat 32°31'15", long 83°43'23", Houston County, Hydrologic Unit 03070104, at U.S. Highway 41, 4.5 miles north of Perry.	92.9	1979-86	12-13-85	5.93	242
02215100	Tucsawhatchee Creek near Hawkinsville, Ga.	Lat 32°14'22", long 83°30'06", Pulaski County, Hydrologic Unit 03070104, at State Highways 27 and 257, 3.5 miles southeast of Hawkinsville.	163	1984-86	05-30-84 02-07-85 12-14-85	c11.11 c9.77 7.62	2,050 1,520 820
02215245	Folsom Creek tributary near Rochelle, Ga.	Lat 32°00'15", long 83°25'58", Wilcox County, Hydrologic Unit 03070104, at culvert on State Highway 233, 4 miles north of Rochelle.	1.44	1965-86	12-13-85	5.16	281
02215800	Gum Swamp Creek near Chauncey, Ga.	Lat 32°07'28", long 83°03'37", Dodge County, Hydrologic Unit 03070105, at State Highway 165, 1.6 miles north of Chauncey.	221	1984-86	12-14-85	7.22	1,420
02217380	Mulberry River near Winder, Ga.	Lat 34°93'08", long 83°39'49", Barrow-Jackson County line, Hydrologic Unit 03070101, at State Highway 11, 4.5 miles northeast of Winder.	142	1976, 1984-86	1986	(d)	<1,200
02217400	Mulberry River tributary near Winder, Ga.	Lat 34°03'53", long 83°39'45", Jackson County, Hydrologic Unit 03070101, at culvert on State Highway 11, 6 miles northeast of Winder.	2.68	1965-86	1986	(d)	<280
02217505	Brooklyn Creek at Athens, Ga.	Lat 33°56'32", long 83°24'07", Clarke County, Hydrologic Unit 03070101, at culvert on Dudley Drive, at Athens.	1.44	1979-86	08-11-86	8.71	401
02217506	Brooklyn Creek tributary at Athens, Ga.	Lat 33°56'26", long 83°23'48", Clarke County, Hydrologic Unit 03070101, at culvert on McWhorter Road, at Athens.	0.20	1979-86	08-11-86	3.36	45
02217730	Tributary of North Oconee River tributary No. 2, at Athens, Ga.	Lat 33°58'16", long 83°23'59", Clarke County, Hydrologic Unit 03070101, at culvert on U.S. Highway 29, at Athens.	.30	1979-86	11-30-85	8.34	94
02217750	North Oconee River tributary at Athens, Ga.	Lat 33°58'11", long 83°23'14", Clarke County, Hydrologic Unit 03070101, at culvert on Barber Street at Athens.	.35	1979-86	08-11-86	3.01	80
02217905	Tanyard Creek at Athens, Ga.	Lat 33°57'05", long 83°22'42", Clarke County, Hydrologic Unit 03070101, at culvert on Baxter Street at Athens.	.56	1979-86	07-19-79 08-11-86	9.06 7.06	c675 289

c Revised.
d Peak did not reach bottom of gage.

Crest-stage partial-record stations--Continued

Annual maximum discharge at crest-stage partial-record stations during water year 1986--Continued

Station no.	Station name	Location	Drainage area (mi^2)	Period of record	Annual maximum Date	Gage height (feet)	Discharge (ft^3/s)
		Altamaha River Basin--Continued					
02218450	Town Creek near Greensboro, Ga.	Lat 33°38'29", long 83°13'36", Greene County, Hydrologic Unit 03070101, at State Highway 15, 5 miles northwest of Greensboro.	11.9	1964-86	1986	(d)	<120
02223082	Buffalo Creek near Linton, Ga.	Lat 33°06'27", long 82°57'34", Hancock-Washington County line, Hydrologic Unit 03070102, at county road, 2 miles southeast of Linton.	92.9	1985-86	03-20-86	11.49	(†)
02223349	Big Sandy Creek tributary near Irwinton, Ga.	Lat 32°48'11", long 83°13'37", Wilkinson County, Hydrologic Unit 03070102, at culvert on county road, 1.7 miles southwest of Irwinton.	a0.50	1978-86	02-11-86	0.78	5
02223360	Big Sandy Creek near Irwinton, Ga.	Lat 32°45'59", long 83°10'05", Wilkinson County, Hydrologic Unit 03070102, at bridge on U.S. Highway 411, 2 miles south of Irwinton.	177	1970-86	03-19-86	3.10	380
02224100	Turkey Creek near Dublin, Ga.	Lat 32°27'16", long 82°56'32", Laurens County, Hydrologic Unit 03070102, at U.S. Highways 319 and 441, 5 miles south of Dublin.	316	1984-86	12-14-85	13.05	2,490
02225250	Little Ohoopee River near Swainsboro, Ga.	Lat 32°33'44", long 82°28'03", Emanuel County, Hydrologic Unit 03070107, at U.S. Highway 80, 9 miles west of Swainsboro.	216	1970, 1972, 1980-86	12-15-85	8.01	3,400
02225320	Ohoopee River near Aline, Ga.	Lat 32°20'53", long 82°14'52", Emanuel County line, Hydrologic Unit 03070107, at bridge on county road, 5 miles west of Aline.	698	1975, 1980-86	12-15-85	15.33	9,020
02225330	Beaver Creek near Cobbtown, Ga.	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.	9.58	1965-86	12-13-85	6.10	820
02225350	Reedy Creek tributary (formerly published as Pendleton Creek tributary No. 2) near Soperton, Ga.	Lat 32°25'35", long 82°29'52", Treutlen County, Hydrologic Unit 03070107, at culvert on State Highway 86, 6.5 miles northeast of Soperton.	1.68	1965-86	12-13-85	3.08	224
02225850	Beards Creek near Glennville, Ga.	Lat 31°55'26", long 81°52'58", Tattnall-Long County line, Hydrologic Unit 03070106, at State Highway 144, 3 miles east of Glennville.	74.4	1966-86	02-12-86	7.57	2,650
02226030	Doctors Creek near Ludowici, Ga.	Lat 31°44'07", long 81°42'08", Long County, Hydrologic Unit 03070106, at State Highway 38, 3 miles northeast of Ludowici.	a33	1966-86	02-12-86	7.44	567

† Discharge not determined.
a Approximately.
d Peak stage did not reach bottom of gage.

Crest-stage partial-record stations--Continued

Annual maximum discharge at crest-stage partial-record stations during water year 1986--Continued

Station no.	Station name	Location	Drainage area (mi^2)	Period of record	Annual maximum Date	Gage height (feet)	Discharge (ft^3/s)
		Satilla River Basin					
02226190	Little Creek (formerly published as 02226150, Satilla River tributary) near Willacoochee, Ga.	Lat 31°27'24", long 83°03'02", Coffee County, Hydrologic Unit 03070201, at culvert on State Highway 149, 8.5 miles north of Willacoochee.	6.38	1965-86	02-11-86	4.95	558
02226465	Dryden Creek near Dixie Union, Ga.	Lat 31°20'23", long 82°28'43", Ware County, Hydrologic Unit 0307201, at culvert on county road, 0.7 mile west of Dixie Union.	14.7	1978-86	02-11-86	7.51	955
02226580	Big Creek near Hoboken, Ga.	Lat 31°10'28", long 82°11'17", Brantley County, Hydrologic Unit 03070201, at State Highway 50, 2.5 miles west of Hoboken.	a60	1966-86	02-11-86	12.16	2,650
02227000	Hurricane Creek near Alma, Ga.	Lat 31°34'00", long 82°27'50", Bacon County, Hydrologic Unit 03070201, at bridge on U.S. Highway 1, 1.5 miles north of Alma.	139	1952-71††, 1972-86	02-12-86	9.50	4,600
02227290	Alabaha River near Blackshear, Ga.	Lat 31°33'44", long 82°28'03", Pierce County, Hydrologic Unit 03070201, at bridge on State Highways 15 and 121, 3 miles north of Blackshear.	414	1970-86	02-12-86	15.42	8,040
02227422	Crooked Creek tributary near Bristol, Ga.	Lat 31°26'24", long 82°15'03", Pierce County, Hydrologic Unit 03070202, on county road, 2 miles west of Bristol.	.42	1976-86	02-11-86	2.44	58
02227990	Satilla River tributary No. 2 at Atkinson, Ga.	Lat 31°13'32", long 81°51'10", Brantley County, Hydrologic Unit 03070201, on State Highway 110, 0.3 mile north of Atkinson.	.38	1977-86	02-11-86	2.14	55
02228050	Buffalo Creek at Hickox, Ga.	Lat 31°09'22", long 81°59'29", Brantley County, Hydrologic Unit 03070201, at State Highway 23 at Hickox.	a59	1966-86	02-11-86	8.62	2,120
02228055	Satilla River tributary No. 3 near Winokur, Ga.	Lat 30°59'59", long 81°57'30", Charlton County, Hydrologic Unit 03070201, at county road, 5.3 miles southeast of Winokur.	1.91	1980-86	12-13-85	7.46	134
		Suwannee River Basin					
02314700	Suwannoochee Creek near Thelma, Ga.	Lat 30°49'18", long 82°50'28", Clinch-Echols County line, Hydrologic Unit 03110201, at State Highway 187, 1.2 miles west of Thelma.	232	1929, 1963-86	02-15-86	7.45	1,550
02316390	Alapaha River at Lakeland, Ga.	Lat 31°02'46", long 83°02'37", Lanier County, Hydrologic Unit 03110202, at bridge on U.S. Highways 129 and 221 at Lakeland.	1,080	1970-86	02-15-86	20.50	20,500

†† Operated as a continuous-record gaging station.
a Approximately.

Crest-stage partial-record stations--Continued

Annual maximum discharge at crest-stage partial-record stations during water year 1986--Continued

Station no.	Station name	Location	Drainage area (mi^2)	Period of record	Annual maximum Date	Gage height (feet)	Discharge (ft^3/s)
		Suwannee River Basin--Continued					
02317600	Little River near Statenville, Ga.	Lat 30°42'13", long 83°07'18", Echols County, Hydrologic Unit 03110202, at State Highway 376, 5 miles west of Statenville.	199	1984-86	02-12-86	13.21	3,250
02317710	Withlacoochee River tributary near Nashville, Ga.	Lat 31°11'54", long 83°17'17", Berrien County, Hydrologic Unit 03110202, at culvert on State Highway 76, 2.2 miles southwest of Nashville.	.86	1960-86	02-11-86	5.59	210
02317734	New River near Nashville, Ga.	Lat 31°10'37", long 83°19'20", Berrien-Cook County line, Hydrologic Unit 03110203, at bridge on State Highway 76, 5 miles west of Nashville.	146	1970-86	02-12-86	12.38	5,880
02317775	Daniels Creek near Ashburn, Ga.	Lat 31°40'40", long 83°45'06", Turner County, Hydrologic Unit 03110204, at culvert on State Highway 32, 6.2 miles west of Ashburn.	1.11	1965-86	11-21-85	1.76	59
02317810	Little River tributary No. 2 near Tifton, Ga.	Lat 31°25'30", long 83°34'23", Tift County, Hydrologic Unit 03110204, at culvert on secondary road 546, 4 miles southwest of Tifton.	.47	1965-86	02-11-86	4.62	169
02317870	Warrior Creek near Sumner, Ga.	Lat 31°21'45", long 83°46'11", Worth County, Hydrologic Unit 03110204, at county road, 10.8 miles south of Sumner.	a109	1966-86	02-11-86	14.42	4,440
		Ochlockonee River Basin					
02327350	Ochlockonee River tributary near Coolidge, Ga.	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.	1.81	1965-86	02-11-86	5.26	694
02327355	Ochlockonee River near Coolidge, Ga.	Lat 31°00'08", long 83°56'21", Thomas County, Hydrologic Unit 03120002, at State Highway 188, 4 miles west of Coolidge.	260	1981-86	02-11-86	16.67	10,800
02327415	Little Ochlockonee River near Moultrie, Ga.	Lat 31°07'02", long 83°58'42", Colquitt County, Hydrologic Unit 03120002, at State Highway 111, 10 miles west of Moultrie.	44.8	1981-86	02-11-86	10.22	5,860
02327550	Barnetts Creek near Meigs, Ga.	Lat 31°01'32", long 84°08'14", Grady County, Hydrologic Unit 03120002, at State Highway 111, 4.2 miles southwest of Meigs.	15.0	1965-75, 1978-86	02-11-86	6.48	2,270
02327810	Ochlockonee River near Cairo, Ga.	Lat 30°47'30", long 84°09'16", Grady County, Hydrologic Unit 03120002, at bridge on State Highway 93, 5 miles south of Cairo.	747	1970-86	02-13-86	30.07	37,400
02327860	Popple Branch near Whigham, Ga.	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.	1.71	1977-86	02-11-86	6.92	609

a Approximately.

Crest-stage partial-record stations--Continued

Annual maximum discharge at crest-stage partial-record stations during water year 1986--Continued

Station no.	Station name	Location	Drainage area (mi^2)	Period of record	Annual maximum Date	Gage height (feet)	Discharge (ft^3/s)
		Apalachicola River Basin					
02336080	North Fork Peachtree Creek near Chamblee, Ga.	Lat 33°51'43", long 84°17'13", DeKalb County, Hydrologic Unit 03130001, at culvert on Shallowford Road near Chamblee.	19.1	1974-86	03-13-86	11.76	(†)
02336090	North Fork Peachtree Creek tributary near Chamblee, Ga.	Lat 33°50'53", long 84°17'57", DeKalb County, Hydrologic Unit 03130001, at culvert on Meadowcliff Drive near Chamblee.	0.32	1974-86	10-01-85	3.75	53
02336102	North Fork Peachtree Creek tributary near Atlanta, Ga.	Lat 33°50'20", long 84°19'19", DeKalb County, Hydrologic Unit 03130001, at culvert on Drew Valley Road near Atlanta.	2.19	1973-78, 1980-86	03-13-86	6.85	875
02336238	South Fork Peachtree Creek tributary near Atlanta, Ga.	Lat 33°47'11", long 84°20'29", DeKalb County, Hydrologic Unit 03130001, at culvert on East Rock Springs Road near Atlanta.	.90	1974-86	06-10-86	4.50	566
02336700	South Utoy Creek tributary at East Point, Ga.	Lat 33°41'25", long 84°28'05", Fulton County, Hydrologic Unit 03130002, at culvert on Headland Drive at East Point.	.79	1964-69††, 1970-78, 1980-86	07-23-86	3.72	220
02337448	Hurricane Creek tributary near Fairplay, Ga.	Lat 33°35'03", long 84°50'54", Douglas County, Hydrologic Unit 03130002, at culvert on State Highway 5, 8 miles east of Fairplay.	0.33	1977-86	1986	(d)	<5
02340250	Flat Shoal Creek near West Point, Ga.	Lat 32°53'53", long 85°04'41", Troup County, Hydrologic Unit 03130002, at State Highway 18, 5 miles east of Interstate Highway 85, near West Point.	204	1984-86	1986	(d)	<1400
02341220	Mulberry Creek near Mulberry Grove, Ga.	Lat 32°42'11", long 84°57'29", Harris County, Hydrologic Unit 03130002, at county bridge on Hamilton-Mulberry Grove Road, near Mulberry Grove.	190	1984-86	03-19-86	16.28	(†)
02341544	Mill Branch at Columbus, Ga.	Lat 32°28'19", long 84°53'58", Muscogee County, Hydrologic Unit 03130003, at culvert on Chalbena Road at Columbus.	1.58	1977-86	03-19-86	5.78	593
02341546	Bull Creek tributary at Columbus, Ga.	Lat 32°28'38", long 84°55'36", Muscogee County, Hydrologic Unit 03130003, at culvert on Woodland Drive at Columbus.	.26	1977-86	08-12-86	4.51	78
02341548	Lindsey Creek tributary at Columbus, Ga.	Lat 32°31'33", long 84°56'21", Muscogee County, Hydrologic Unit 03130003, at culvert on Canberra Avenue at Columbus.	1.42	1977-86	03-19-86	4.60	312
02341600	Juniper Creek near Geneva, Ga.	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.	47.4	1963-86	03-14-86	6.30	440

† Discharge not determined.
†† Operated as a continuous-record gaging station.
d Peak stage did not reach bottom of gage.

Crest-stage partial-record stations--Continued

Annual maximum discharge at crest-stage partial-record stations during water year 1986--Continued

Station no.	Station name	Location	Drainage area (mi^2)	Period of record	Annual maximum Date	Gage height (feet)	Discharge (ft^3/s)
		Apalachicola River Basin--Continued					
02341723	Pine Knot Creek near Juniper, Ga.	Lat 32°26'14", long 84°39'25", Marion County, Hydrologic Unit 03130003, at State Highway 355, 8 miles south of Juniper.	31.3	1979-86	03-13-86	3.85	138
02341900	Ochillee Creek near Cusseta, Ga.	Lat 32°21'53", long 84°49'02", Chattahoochee County, Hydrologic Unit 03130003, at Hourglass Road, 5 miles northwest of Cusseta.	53.3	1979-86	03-19-86	7.39	612
02343219	Bluff Springs Branch near Lumpkin, Ga.	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.	2.98	1977-86	12-13-85	1.64	88
02343244	Cemochechobee Creek near Coleman, Ga.	Lat 31°39'12", long 84°53'02", Randolph County, Hydrologic Unit 03130004, at county bridge, 1.5 miles south of Coleman.	15.3	1984-86	11-22-85	3.76	(†)
02343267	Temple Creek near Blakely, Ga.	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.	2.78	1978-86	1986	(d)	<15
02346193	Scott Creek near Talbotton, Ga.	Lat 32°39'48", long 84°36'06", Talbot County, Hydrologic Unit 03130005, at culvert on county road, 3.7 miles west of Talbotton.	3.36	1969-86	03-13-86	7.49	1,340
02346195	Lazar Creek near Talbotton, Ga.	Lat 32°44'33", long 84°33'20", Talbot County, Hydrologic Unit 03130005, at State Highway 41, 5 miles south of Talbotton.	81.3	1981, 1984-86	03-13-86	15.50	(†)
02346210	Kimbrough Creek near Talbotton, Ga.	Lat 32°41'19", long 84°30'48", Talbot County, Hydrologic Unit 03130005, at culvert on State Highway 22, 1.8 miles southeast of Talbotton.	6.62	1969-86	03-13-86	5.54	1,250
02346217	Coleoatchee Creek (formerly published as Celeoth Creek) near Manchester, Ga.	Lat 32°49'20", long 84°36'16", Talbot County, Hydrologic Unit 03130005, at culvert on county road, 2.2 miles south of Manchester.	2.82	1969-86	06-10-86	1.80	171
02348485	Whitewater Creek near Butler, Ga.	Lat 32°30'14", long 84°20'03", Taylor County, Hydrologic Unit 03130005, at State Highway 137, 6.5 miles southwest of Butler.	17.3	1981-86	12-13-85	6.68	93
02349030	Cedar Creek near Rupert, Ga.	Lat 32°23'21", long 84°17'49", Taylor County, Hydrologic Unit 03130005, at U.S. Highway 19, 3 miles south of Rupert.	41.1	1980-86	11-22-85	2.39	140
02349330	Buck Creek tributary near Tazewell, Ga.	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.	a0.40	1977-86	08-12-86	2.31	29

† Discharge not determined.
a Approximately.
d Peak did not reach bottom of gage.

Crest-stage partial-record stations--Continued

Annual maximum discharge at crest-stage partial-record stations during water year 1986--Continued

Station no.	Station name	Location	Drainage area (mi^2)	Period of record	Annual maximum Date	Gage height (feet)	Discharge (ft^3/s)
		Apalachicola River Basin--Continued					
02349350	Buck Creek near Ellaville, Ga.	Lat 32°18'35", long 84°17'36", Schley County, Hydrologic Unit 03130006, at U.S. Highway 19, 5 miles north of Ellaville.	146	1979-86	11-22-85	5.47	316
02349695	Horsehead Creek near Montezuma, Ga.	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.	.72	1977-86	08-20-86	5.54	144
02350685	Choctahatchee Creek tributary near Plains, Ga.	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.	.32	1977-86	11-22-85	1.57	30
02356640	Spring Creek at Colquitt, Ga.	Lat 31°10'14", long 84°44'34", Miller County, Hydrologic Unit 03130010, at U.S. Highway 27 at Colquitt.	281	1981-86	02-12-86	8.53	2,740
		Mobile River Basin					
02381300	Fir Creek near Ellijay, Ga.	Lat 34°41'06", long 84°37'23", Gilmer County, Hydrologic Unit 03150102, at culvert on State Highway 282, 8 miles west of Ellijay.	1.35	1966-86	1986	(d)	<38
02384600	Pinhook Creek (prior to 1986, published as Mill Creek tributary) near Eton, Ga.	Lat 34°49'38", long 84°48'58", Murray County, Hydrologic Unit 03150101, at culvert on State Highway 286, 3 miles west of Eton.	4.28	1965-86	03-12-86	3.74	164
02384630	Conasauga River near Dawnville, Ga.	Lat 34°48'03", long 84°50'18", Whitfield-Murray County line, Hydrologic Unit 03150101, 2.6 miles southeast of Dawnville.	303	1984-86	03-12-86	11.95	(†)
02388200	Storey Mill Creek near Summerville, Ga.	Lat 34°25'39", long 85°16'03", Chattooga County, Hydrologic Unit 03150103, at culvert on county road 6 miles southeast of Summerville.	6.02	1966-86	03-12-86	3.73	200
02394820	Euharlee Creek at Rockmart, Ga.	Lat 33°59'55", long 85°03'09", Polk County, Hydrologic Unit 03150104, at U.S. Highway 278 (State Highway 6) at Rockmart.	42.1	1961, 1974, 1979, 1984-86	08-09-86	4.76	600
02395990	Etowah River tributary near Rome, Ga.	Lat 34°16'02", long 85°08'18", Floyd County, Hydrologic Unit 03150104, at culvert on Atteiram Road near Rome.	.37	1979-86	03-13-86	3.36	53
02396290	Silver Creek tributary No. 1 near Rome, Ga.	Lat 34°10'24", long 85°09'21", Floyd County, Hydrologic Unit 03150104, at culvert on Silver Creek Road, near Rome.	.67	1979-86	08-19-86	2.72	54

† Discharge not determined.
d Peak stage did not reach bottom of gage.

Crest-stage partial-record stations--Continued

Annual maximum discharge at crest-stage partial-record stations during water year 1986--Continued

Station no.	Station name	Location	Drainage area (mi^2)	Period of record	Annual maximum Date	Gage height (feet)	Discharge (ft^3/s)
		Mobile River Basin--Continued					
02396510	Silver Creek tributary No. 2 at Lindale Road, near Rome, Ga.	Lat 34°12'56", long 85°10'09", Floyd County, Hydrologic Unit 03150104, at culvert on Lindale Road, near Rome.	0.11	1979-86	08-08-86	2.46	13
02396515	Silver Creek tributary No. 2 at U.S. Highways 27 and 411, near Rome, Ga.	Lat 34°13'08", long 85°10'27", Floyd County, Hydrologic Unit 03150104, at culvert on U.S. High ways 27 and 411, at junction with Old Lindale Road near Rome.	.23	1979-86	03-13-86	2.02	4.0
02396550	Silver Creek tributary No. 3 at Rome, Ga.	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.	.19	1979-86	08-27-86	5.39	185
02396680	Horseleg Creek at Rome, Ga.	Lat 34°16'03", long 85°13'29", Floyd County, Hydrologic Unit 03150103, at culvert on Castlewood Drive at Rome.	1.31	1979-86	03-19-86	4.42	264
02397830	Harrisburg Creek near Hawkins, Ga.	Lat 34°36'02", long 85°23'21", Walker County, Hydrologic Unit 03150105, at bridge on county road, 0.7 mile west of Hawkins.	13.3	1980-82††, 1983-86	02-18-86	4.41	66
02411735	McClendon Creek tributary near Dallas, Ga.	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.	.88	1977-86	1986	(d)	<22
02411902	Mann Creek tributary near Tallapoosa, Ga.	Lat 33°51'16", long 85°17'28", Haralson County, Hydrologic Unit 03150108, at culvert on State Highway 100, 7 miles north of Tallapoosa.	.12	1977-86	1986	(d)	<12

†† Operated as a continuous-record gaging station.
d Peak stage did not reach bottom of gage.

Peak discharge at miscellaneous sites

The following table contains peak 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.

Station no.	Station name	Location	Drainage area (mi^2)	Period of record	Date	Gage height (feet)	Discharge (ft^3/s)
		Savannah River Basin					
02191300	Broad River above Carlton, Ga. (Prior to 1918 published as near Carlton.)	Lat 34°04'24", long 83°00'12", Madison-Elbert County line, Hydrologic Unit 03060104, at State Highway 72, 2.8 miles northeast of Carlton.	760	1898-1912, 1913-18g, 1920-83g, 1986	03-20-86	6.08	m1,100
		Altamaha River Basin					
02203900	South River near Atlanta, Ga.	Lat 33°39'58", long 84°13'29", DeKalb County, Hydrologic Unit 03070103, at Flakes Mill Road, 8 miles east of Atlanta city limits.	a99	1951-79††, 1980-83†, 1984-86	11-30-85	7.75	m2,400
02207500	Yellow River near Covington, Ga.	Lat 33°56'52", long 83°54'54", Newton County, Hydrologic Unit 03070103, at State Highway 12, 3.5 miles northwest of Covington.	378	1936, 1945-60, 1961-64, 1976-82†, 1983-86	12-01-85	10.86	m2,860
		Satilla River Basin					
02226200	Satilla River near Douglas, Ga.	Lat 31°24'49", long 82°51'02", Coffee County, Hydrologic Unit 03070201, at U.S. Highway 441, 6.5 miles south of Douglas.	235	1948, 1951-76††, 1984, 1986	02-12-86	10.60	m6,040
02226300	Satilla River near Pearson, Ga.	Lat 31°20'11", long 82°46'07", Atkinson County, Hydrologic Unit 03070201, at State Highway 64, 6 miles northeast of Pearson.	355	1948, 1953-65††, 1984, 1986	02-12-86	16.52	m8,040
02226582	Satilla River near Hoboken, Ga.	Lat 31°13'00", long 82°09'45", Brantley-Pierre County line, Hydrologic Unit 03070201, at State Highway 121, 3 miles northeast of Hoboken.	1,350	1948, 1970-77††, 1984, 1986	02-14-86	15.72	m25,800
02227200	Little Hurricane Creek below Alma, Ga.	Lat 31°25'25", long 82°25'59", Bacon County, Hydrologic Unit 03070201, at U.S. Highway 1, 8.5 miles south of Alma.	102	1948-78††, 1984, 1986	02-12-86	9.14	m4,400
02227400	Big Satilla Creek near Alma, Ga.	Lat 31°39'28", long 82°25'51", Bacon-Appling County line, Hydrologic Unit 03070202, at U.S. Highway 1, 8.2 miles north of Alma.	112	1929, 1948-78††, 1984, 1986	02-12-86	9.18	m4,850
02227510	Little Satilla River near Patterson, Ga.	Lat 31°21'04", long 82°02'02", Pierce-Wayne County line, Hydrologic Unit 03070202, at State Highway 32, 6 miles southeast of Patterson.	695	1970-77††, 1984, 1986	02-13-86	17.84	m13,400

† Operated as a continuous-record gaging station.
†† Operated as a crest-stage partial-record station.
a Approximately.
g Maximum gage heights computed from graph based on gage readings.
m Annual maximum.

Peak discharge at miscellaneous sites--Continued

Station no.	Station name	Location	Drainage area (mi^2)	Period of record	Date	Gage height (feet)	Discharge (ft^3/s)
		Suwannee River Basin					
02314600	Suwannoochee Creek at Du Pont, Ga.	Lat 30°59'09", long 82°52'50", Clinch County, Hydrologic Unit 03110201, at U.S. Highway 84, at Du Pont.	143	1930, 1948, 1952-76, 1986	02-14-86	8.46	m1,570
02315980	Jacks Creek near Ocilla, Ga.	Lat 31°33'38", long 83°21'28", Irwin County, Hydrologic Unit 03110202, at culvert on U.S. Highway 319, 7 miles west of Ocilla.	1.21	1960-75, 1986	02-11-86	5.81	m640
02316000	Alapaha River near Alapaha, Ga.	Lat 31°23'03", long 83°11'33", Berrien County, Hydrologic Unit 03110202, at U.S. Highway 82, 2 miles east of Alapaha and 6 miles upstream from Willacoochee River.	663	1928, 1938-76†, 1984, 1986	02-12-86	16.45	m8,530
02316200	Willacoochee River near Ocilla, Ga.	Lat 31°30'06", long 83°09'43", Irwin County, Hydrologic Unit 03110202, at State Highway 90, 8 miles southeast of Ocilla.	a90	1948, 1950-77††, 1984, 1986	02-12-86	9.40	m3,740
02316220	Little Brushy Creek near Ocilla, Ga.	Lat 31°36'30", long 83°13'56", Irwin County, Hydrologic Unit 03110202, at culvert on secondary road 1533, 1.2 miles northeast of Ocilla.	1.65	1966-75, 1986	02-10-86	3.85	m258
02317700	Withlacoochee River near Nashville, Ga.	Lat 31°11'54", long 83°16'21", Berrien County, Hydrologic Unit 03110203, at State Highway 76, 1.5 miles southwest of Nashville.	132	1948, 1951-77††, 1984, 1986	02-12-86	12.31	m5,450
02317730	New River tributary near Nashville, Ga.	Lat 31°17'18", long 83°20'36", Berrien County, Hydrologic Unit 03110203, at culvert on State Highway 125, 9 miles northwest of Nashville.	.95	1960-75††, 1984, 1986	02-11-86	1.84	m95
02317755	Withlacoochee River at U.S. Highway 41, near Valdosta, Ga.	Lat 30°53'33", long 83°19'08", Lowndes County, Hydrologic Unit 03110203, at U.S. Highway 41, 5.3 miles north of Valdosta.	537	1977-78†, 1984, 1986	02-12-86	28.00	m19,500
02317795	Mill Creek near Tifton, Ga.	Lat 31°29'46", long 83°33'15", Tift County, Hydrologic Unit 03110204, at culvert on county road, 3 miles northwest of Tifton.	6.21	1965-75††, 1984, 1986	02-11-86	11.06	m1,400
02317830	Little River near Lenox, Ga.	Lat 31°15'14", long 83°03'32", Cook-Colquitt County line, Hydrologic Unit 03110204, at county bridge on Kinard Bridge Road, 2.5 miles west of Lenox.	a208	1968-71†, 1972-76††, 1977-78†, 1984, 1986	02-11-86	15.71	m7,700
02317900	Ty Ty Creek at Ty Ty, Ga.	Lat 31°28'22", long 83°39'47", Tift-Worth County line, Hydrologic Unit 03110204, at U.S. Highway 82, 1 mile west of Ty Ty.	a47	1948, 1951-78††, 1984, 1986	02-11-86	6.90	m1,520

† Operated as a continuous-record gaging station.
†† Operated as a crest-stage partial-record station.
a Approximately.
m Annual maximum.

Peak discharge at miscellaneous sites--Continued

Station no.	Station name	Location	Drainage area (mi^2)	Period of record	Date	Gage height (feet)	Discharge (ft^3/s)
		Suwannee River Basin--Continued					
02317905	Little Creek near Omega, Ga.	Lat 31°23'35", long 83°38'00", Tift County, Hydrologic Unit 03110204, at county bridge, 4.2 miles north of Omega.	4.22	1965-75††, 1984, 1986	02-11-86	5.28	m820
02317910	Ty Ty Creek tributary at Crosland, Ga.	Lat 31°19'17", long 83°37'24", Colquitt County, Hydrologic Unit 03110204, at culvert on U.S. Highway 319, at Crosland.	2.07	1960-74††, 1984, 1986	02-10-86	5.14	m398
02317980	Little River near Sparks, Ga.	Lat 31°11'34", long 83°31'22", Cook-Colquitt County line, Hydrologic Unit 03110204, at county bridge, 5.5 miles west of Sparks.	555	1928, 1948, 1961-79††, 1984, 1986	02-12-86	15.49	m24,900
02318000	Little River near Adel, Ga.	Lat 31°09'18", long 83°32'38", Cook-Colquitt County line, Hydrologic Unit 03110204, 500 ft downstream of bridge on State Highway 37, 7 miles west of Adel.	577	1928, 1941-71†, 1973, 1984, 1986	02-12-86	20.96	m24,000
02318500	Withlacoochee River near Quitman, Ga.	Lat 30°47'35", long 83°27'13", Brooks-Lowndes County line, Hydrologic Unit 03110203, at U.S. Highway 84, 6 miles east of Quitman.	1,480	1928-31†, 1938-49†, 1953-54††, 1964, 1979, 1984, 1986	08-19-28 03-11-44 04-04-48 05-05-64 03-01-79 03-10-84 02-13-86	31.30 25.50 31.70 24.16 25.00 28.60 29.85	m49,000 m18,500 m52,000 m15,000 m17,000 m30,500 m39,000
02318600	Okapilco Creek near Berlin, Ga.	Lat 31°02'48", long 83°37'02", Colquitt County, Hydrologic Unit 03110203, on county road, 1 mile south of Berlin.	101	1963-84, 1986	02-11-86	13.04	m6,720
02318725	Okapilco Creek at Quitman, Ga.	Lat 30°47'09", long 83°31'34", Brooks County, Hydrologic Unit 03110203, at U.S. Highway 84 at Quitman.	278	1970-73, 1978-84, 1986	02-12-86	18.36	m19,000
		Aucilla River Basin					
02326200	Aucilla River near Boston, Ga.	Lat 30°46'44", long 83°48'12", Thomas County, Hydrologic Unit 03110103, at bridge on State Highway 133, 1.2 miles south of Boston.	a81	1962-84, 1986	02-11-86	8.83	m4,450
		Ochlockonee River Basin					
02327200	Ochlockonee River at Moultrie, Ga.	Lat 31°10'58", long 83°48'32", Colquitt County, Hydrologic Unit 03120002, at State Highway 37, at Moultrie.	a96	1948, 1951-77††, 1984, 1986	02-12-86	11.14	m5,000
02327500	Ochlockonee River near Thomasville, Ga.	Lat 30°52'32", long 84°02'44", Thomas County, Hydrologic Unit 03120002, at U.S. Highway 84, 5 miles northwest of Thomasville.	550	1937-71†, 1972, 1975, 1984, 1986	02-12-86	21.99	m22,500

† Operated as a continuous-record gaging station.
†† Operated as a crest-stage partial-record station.
a Approximately.
m Annual maximum.

Peak discharge at miscellaneous sites--Continued

Station no.	Station name	Location	Drainage area (mi^2)	Period of record	Date	Gage height (feet)	Discharge (ft^3/s)
		Ochlockonee River Basin--Continued					
02327700	Barnetts Creek near Thomasville, Ga.	Lat 30°54'18", long 84°04'34", Thomas-Grady County line, Hydrologic Unit 03120002, at county bridge, 7.5 miles northwest of Thomasville.	104	1951-77††, 1984, 1986	02-12-86	16.38	m8,060
02328000	Tired Creek near Cairo, Ga.	Lat 30°51'54", long 84°15'46", Grady County, Hydrologic Unit 03120002, 140 ft upstream of county bridge, 3 miles west of Cairo.	a60	1944-71†, 1972-79††, 1984, 1986	02-11-86	12.02	m10,900
		Apalachicola River Basin					
02331000	Chattahoochee River near Leaf, Ga.	Lat 34°34'37", long 83°38'09", Habersham County, Hydrologic Unit 03130001, at State Highway 115, 1.5 miles east of Leaf.	150	1940-71†, 1972-84, 1986	11-30-85	4.62	m2,050
		Tennessee River Basin					
03545000	Hiwassee River at Presley, Ga.	Lat 34°54'17", long 83°42'01", Towns County, Hydrologic Unit 06020002, on left bank, 0.1 mile downstream from Cynth Creek, 0.5 mile southeast of Presley, and at mile 133.9.	45.5	1942-82†, 1983-86	11-01-85	4.47	m864
03550500	Nottley River near Blairsville, Ga.	Lat 34°50'28", long 83°56'10", Union County, Hydrologic Unit 06020002, on left bank 250 ft upstream from Arkaqua Creek, 2.7 miles southeast of Blairsville, and at mile 44.3.	74.8	1942-82†, 1983-86	03-13-86	4.95	m1,230

† Operated as a continuous-record gaging station.
†† Operated as a crest-stage partial-record station.
a Approximately.
m Annual maximum.

Base-flow discharge measurements

Numerous base-flow discharge measurements were made at selected stream sites during the 1986 drought and are listed in the table below. The measurements were made in order to better define the magnitude and variability of the drought and to evaluate available streamflows at points of special interest.

Station No.	Station name	Location	Drainage area (mi^2)	Period of record	Date	Discharge (ft^3/s)
		Savannah River Basin				
02180400	Tiger Creek at Lakemont, Ga.	Lat 34°47'03", long 83°24'58", Rabun County, Hydrologic Unit 03060102, at Road 218, at Lakemont.	c23.4	1951, 1959-60, 1962-68, 1970, 1986	07-10-86	13
02187335	Cedar Creek near Hartwell, Ga.	Lat 34°20'06", long 82°56'26", Hart County, Hydrologic Unit 03060103, at State Highway 172, 1 mile south of Hartwell.	c2.4	1979-81, 1986-87	07-22-86 10-07-86	0.74 .40
02188500	Beaverdam Creek at Dewy Rose, Ga.	Lat 34°10'52", long 82°56'38", Elbert County, Hydrologic Unit 03060103, at Road 167, 5.5 miles northeast of Elberton.	c38.4	1943-77†, 1979-81, 1986	07-22-86	.40
02189014	Middle Fork Broad River near Homer, Ga.	Lat 34°26'20", long 83°25'38", Banks County, Hydrologic Unit 03060104, at State Highway 184, 6.5 miles north of Homer.	c48.5	1955, 1979-81, 1986-87	07-22-86 10-07-86	5.7 10
02189500	North Fork Broad River near Toccoa, Ga.	Lat 34°30'49", long 83°19'19", Stephens County, Hydrologic Unit 03060104, at State Highway 106, 3.5 miles south of Toccoa.	c18.3	1954-69†, 1986-87	07-22-86 10-07-86	3.5 5.0
02191000	North Fork Broad River near Carnesville, Ga.	Lat 34°19'25", long 83°11'10", Franklin County, Hydrologic Unit 03060104, at State Highway 51, 3.3 miles southeast of Carnesville.	c120	1943-44†, 1954-69†, 1986-87	07-22-86 10-07-86	16 23
02191200	Hudson River at Homer, Ga.	Lat 34°20'15", long 83°29'17", Banks County, Hydrologic Unit 03060104, at State Highway 15 at Homer.	61.1	1959-79†, 1980-81, 1986-87	07-22-86 10-07-86	3.5 11
02191225	Hickory Level Creek near Maysville, Ga.	Lat 34°17'27", long 83°31'50", Banks County, Hydrologic Unit 03060104, at State Highway 98, 3 miles north of Maysville.	11.3	1943, 1953, 1955, 1979-81, 1986-87	07-22-86 10-07-86	2.3 3.2
02191244	Nails Creek near Carnesville, Ga.	Lat 34°16'32", long 83°16'33", Franklin County, Hydrologic Unit 03060104, at State Highway 106, 7 miles south of Carnesville.	c48.5	1979-81, 1986-87	07-22-86 10-07-86	6.1 7.5
02191300	Broad River above Carlton, Ga.	Lat 34°04'24", long 83°00'12, Madison County, Hydrologic Unit 03060104, at State Highway 72, 2.5 miles northeast of Carlton.	c757	1897-1913†, 1943, 1953-54, 1959, 1962-70, 1978, 1981, 1986	07-23-86	70
02191670	South Fork Broad River at Ila, Ga.	Lat 34°09'55", long 83°17'52", Madison County, Hydrologic Unit 03060104, at State Route 106, at Ila.	c10.5	1953, 1955, 1979-81, 1986-87	07-22-86 10-07-86	.72 .92

† Operated as a continuous-record gaging station.
c Revised.

Base-flow discharge measurements--Continued

Station No.	Station name	Location	Drainage area (mi^2)	Period of record	Date	Discharge (ft^3/s)
		Savannah River Basin--Continued				
02191700	South Fork Broad River near Comer, Ga.	Lat 34°03'40", long 83°09'22", Madison County, Hydrologic Unit 03060104, at State Highway 72, 2 miles west of Comer.	89.0	1951, 1953, 1955, 1959, 1962-68, 1970, 1986	07-23-86	3.3
02191740	Big Clouds Creek near Carlton, Ga.	Lat 34°01'14", long 83°04'10", Oglethorpe County, Hydrologic Unit 03060104, at Road 206, 1 mile southwest of Carlton.	c47.5	1943, 1953, 1955-56, 1979-81, 1986	07-23-86	2.5
02191800	Falling Creek near Fortsonia, Ga.	Lat 34°00'10", long 82°48'32", Elbert County, Hydrologic Unit 03060104, at Road 50, 1.8 miles southwest of Fortsonia.	c41.3	1943, 1953, 1955, 1959-68, 1970, 1986	07-23-86	1.5
02191900	Long Creek near Lexington, Ga.	Lat 33°50'30", long 83°03'50", Oglethorpe County, Hydrologic Unit 03060104, at State Highway 10, 3.5 miles southeast of Lexington.	c31.4	1943, 1953, 1955-56, 1959-68, 1970, 1986	07-24-86	.77
02191970	Little Macks Creek near Lexington, Ga.	Lat 33°56'09", long 82°57'41", Oglethorpe County, Hydrologic Unit 03060104, at State Highway 77, near Lexington.	1.77	1974-85†, 1986	07-24-86	.31
02191980	Clark Creek near Tignall, Ga.	Lat 33°53'50", long 82°48'45", Wilkes County, Hydrologic Unit 03060104, at Road 184, 3.5 miles northwest of Tignall.	c42.3	1943, 1953, 1955, 1979-81, 1986	07-23-86	.48
02192435	Soap Creek near Lincolnton, Ga.	Lat 33°48'57", long 82°29'44", Lincoln County, Hydrologic Unit 03060103, at Road 263, 2 miles north of Lincolnton.	c16.8	1974, 1979-81, 1986-87	07-23-86 10-08-86	0 0
02193240	South Fork Little River near Crawfordville, Ga.	Lat 33°17'15", long 82°55'10", Taliaferro County, Hydrologic Unit 03060105, at State Highway 22, 4 miles north of Crawfordville.	c46.1	1951-53, 1979-80, 1982, 1986-87	07-23-86 10-08-86	.14 1.0
02193500	Little River near Washington, Ga.	Lat 33°36'40", long 82°44'40", Wilkes County, Hydrologic Unit 03060105, at Road 79, 6.5 miles south of Washington.	c292	1950-71†, 1979-80, 1986	07-08-86 07-23-86	6.4 2.7
02193560	Little River (State Highway 80) near Washington, Ga.	Lat 33°36'30", long 82°38'55", Wilkes County, Hydrologic Unit 03060105, at State Highway 80, 8.5 miles southeast of Washington.	357	1986	07-08-86	7.3
02193780	Hart Creek near Thomson, Ga.	Lat 33°33'45", long 82°35'45", McDuffie County, Hydrologic Unit 03060105, at Road 308, 8.5 miles north of Thomson.	c17.4	1943, 1951, 1953-55, 1979-80, 1986-87	07-23-86 10-08-86	0 0
02194080	Germany Creek near Thomson, Ga.	Lat 33°33'44", long 82°28'06", McDuffie County, Hydrologic Unit 03060105, at Road 19, 6 miles northeast of Thomson.	c25.8	1974, 1979-80, 1986-87	07-23-86 10-08-86	.11 .07

† Operated as a continuous-record gaging station.
c Revised.

Base-flow discharge measurements--Continued

Station No.	Station name	Location	Drainage area (mi^2)	Period of record	Date	Discharge (ft^3/s)
		Savannah River Basin--Continued				
02195300	Greenbrier Creek near Appling, Ga.	Lat 33°34'30, long 82°19'02", Columbia County, Hydrologic Unit 03060106, at State Highway 47, 2 miles north of Appling.	c33.4	1943, 1951, 1953, 1955, 1959-68, 1970, 1986-87	07-23-86 10-09-86	0.90 1.7
02195470	Uchee Creek near Evans, Ga.	Lat 33°34'02", long 82°11'01", Columbia County, Hydrologic Unit 03060106, at State Highway 104, 4 miles northwest of Evans.	58.3	1953, 1955, 1979-81, 1986-87	07-24-86 10-09-86	0 .10
02196900	Butler Creek near Augusta, Ga.	Lat 33°23'06", long 82°01'35", Richmond County, Hydrologic Unit 03060106, at State Highway 121, 6 miles south of Augusta.	c29.7	1951, 1953-55, 1959-61, 1963, 1965-68, 1970, 1986	07-24-86	7.3
02197030	Spirit Creek near Hephzibah, Ga.	Lat 33°20'55", long 82°04'35", Richmond County, Hydrologic Unit 03060106, at Road 65, 3 miles north of Hephzibah.	c49.3	1943, 1955, 1980, 1982, 1986	07-23-86	38
02197200	McBean Creek at McBean, Ga.	Lat 33°14'30", long 81°56'52", Richmond County, Hydrologic Unit 03060106, at State Highway 56, at McBean.	c71	1951, 1953-55, 1959-61, 1963-68, 1970, 1973, 1986-87	07-24-86 10-09-86	24 28
02197530	Sweetwater Creek near Bonesville, Ga.	Lat 33°26'17", long 82°27'04", McDuffie County, Hydrologic Unit 03060108, at State Highway 10, 0.8 mile northwest of Bonesville.	7.46	1953, 1955, 1959-61, 1963, 1965-68, 1970, 1973, 1986-87	07-23-86 10-08-86	0 0
02197560	Sandy Run Creek near Blythe, Ga.	Lat 33°17'56", long 82°15'13", Richmond County, Hydrologic Unit 03060108, at State Highway 4, 3 miles west of Blythe.	c31.4	1943, 1953, 1955, 1959-61, 1963, 1965-68, 1970, 1973, 1986-87	07-23-86 10-09-86	11 16
02198170	Beaverdam Creek near Sylvania, Ga.	Lat 32°49'15", long 81°37'24", Screven County, Hydrologic Unit 03060108, at State Highway 24, 4 miles north of Sylvania.	116	1979-80, 1982, 1986-87	07-24-86 10-09-86	.80 1.4
		Ogeechee River Basin				
02199700	South Fork Ogeechee River near Crawfordville, Ga.	Lat 33°31'00", long 82°54'22", Taliaferro County, Hydrologic Unit 03060201, at State Highway 22, 2.8 miles south of Crawfordville.	c31.3	1951, 1953, 1955, 1959-68, 1970, 1973, 1986	07-08-86	.10

c Revised.

Base-flow discharge measurements--Continued

Station No.	Station name	Location	Drainage area (mi^2)	Period of record	Date	Discharge (ft^3/s)
		Altamaha River Basin				
02204300	Little Cotton Indian Creek near Stockbridge, Ga.	Lat 33°31'26", long 84°11'41", Henry County, Hydrologic Unit 03070103, at State Highway 42, 2.5 miles southeast of Stockbridge.	50.0	1943, 1951, 1953-54, 1958, 1960-68, 1970, 1973, 1986	07-07-86	12
02204420	Walnut Creek (State Highway 155) near McDonough, Ga.	Lat 33°28'33", long 84°08'20", Henry County, Hydrologic Unit 03070103, at State Highway 155, 3.3 miles north of McDonough.	31.6	1986	07-07-86	2.0
02206500	Yellow River near Snellville, Ga.	Lat 33°51'11", long 84°04'45", Gwinnett County, Hydrologic Unit 03070103, at Road 417, 3.2 miles west of Snellville.	134	1943-71†, 1975-80, 1986	07-09-86	29
02208300	Alcovy River near Monroe, Ga.	Lat 33°48'20", long 83°45'34", Walton County, Hydrologic Unit 03070103, at State Highway 10, 2.8 miles west of Monroe.	99.0	1943, 1953, 1959-68, 1970, 1986	07-07-86	9.9
02209640	Tussahaw Creek near Locust Grove, Ga.	Lat 33°22'27", long 84°00'51", Henry County, Hydrologic Unit 03070103, at Jackson Road, 6 miles northeast of Locust Grove.	c17.6	1986	07-07-86	.70
02209750	Tussahaw Creek near Jackson, Ga.	Lat 33°22'43", long 83°57'49", Butts County, Hydrologic Unit 03070103, at Road 290, 6 miles north of Jackson.	59.2	1955, 1974, 1977, 1979-80, 1982, 1986	07-08-86	1.3
02211200	Big Sandy Creek near Flovilla, Ga.	Lat 33°11'16", long 83°50'09", Butts County, Hydrologic Unit 03070103, at State Highway 87, 5.8 miles southeast of Flovilla.	57	1951, 1953-54, 1959-63, 1965-68, 1970, 1973, 1986	07-08-86	2.6
02211300	Towaliga River near Jackson, Ga.	Lat 33°15'50", long 84°04'17", Butts County, Hydrologic Unit 03070103, at State Highway 16, 6.5 miles west of Jackson.	105	1960-71†, 1973, 1977, 1979-80, 1982, 1986	07-10-86	2.0
02211445	Buck Creek (State Highway 36) near Barnesville, Ga.	Lat 33°11'01", long 84°04'48", Lamar County, Hydrologic Unit 03070103, at U.S. Highway 36, 9 miles east of Barnesville.	35.0	1979, 1986	07-08-86	1.7
02211460	Big Towaliga Creek (State Highway 7C) near Barnesville, Ga.	Lat 33°04'32", long 84°10'11", Lamar County, Hydrologic Unit 03070103, at State Highway 7C, 1.5 miles northwest of Barnesville.	4.2	1953-54, 1986	07-09-86	.49

† Operated as a continuous-record gaging station.
c Revised.

Base-flow discharge measurements--Continued

Station No.	Station name	Location	Drainage area (mi^2)	Period of record	Date	Discharge (ft^3/s)
		Altamaha River Basin--Continued				
02213350	Tobesofkee Creek (State Highway 42) below Forsyth, Ga.	Lat 32°59'37", long 83°56'41", Monroe County, Hydrologic Unit 03070103, at Forsyth water intake, at State Highway 42, 2 miles south of Forsyth.	53.4	1962, 1964, 1966, 1979, 1986	07-08-86	8.9
02213400	Little Tobesofkee Creek near Forsyth, Ga.	Lat 32°57'10", long 84°02'33", Monroe County, Hydrologic Unit 03070103, at State Highway 83, 8.2 miles southwest of Forsyth.	16.8	1943-44, 1955, 1958, 1960-68, 1970, 1973, 1986	07-08-86	0.26
02217000	Allen Creek at Talmo, Ga.	Lat 34°11'34", long 83°43'11", Jackson County, Hydrologic Unit 03070101, at State Highway 11, at Talmo.	17.3	1951-71†, 1979-81, 1986	07-07-86	1.2
02217200	Middle Oconee River near Jefferson, Ga.	Lat 34°05'46", long 83°36'23", Jackson County, Hydrologic Unit 03070101, at State Highway 11, 2.2 miles southwest of Jefferson.	135	1951, 1953, 1955, 1959, 1961, 1963-68, 1970, 1986	07-07-86	13
02217295	Mulberry River near Hoschton, Ga.	Lat 34°03'18", long 83°43'03", Barrow County, Hydrologic Unit 03070101, at State Highway 53, 3 miles southeast of Hoschton.	108	1951, 1955, 1979-81, 1986	07-07-86	12
02217300	Cedar Creek near Winder, Ga.	Lat 34°00'43", long 83°44'19", Barrow County, Hydrologic Unit 03070101, at Road 327, 1.8 miles west of Winder.	a9.9	1959-68, 1970, 1986	07-07-86	.09
02217600	North Oconee River near Maysville, Ga.	Lat 34°13'49", long 83°34'07", Jackson County, Hydrologic Unit 03070101, at Road 253, 1.5 miles south of Maysville.	79.5	1943, 1951, 1953, 1955, 1959-61, 1963-68, 1970, 1986	07-08-86	10
02217650	Curry Creek at Jefferson, Ga.	Lat 34°07'30", long 83°34'06", Jackson County, Hydrologic Unit 03070101, at Jefferson water intake, near State Highway 82, at Jefferson.	10.2	1986	07-07-86	.68
02218700	Apalachee River near Bethlehem, Ga.	Lat 33°54'02", long 83°43'25", Barrow County, Hydrologic Unit 03070101, at State Highway 11 2.5 miles south of Bethlehem. Bethlehem.	a54	1943, 1954-55, 1959-68, 1970, 1986	07-07-86	6.1
02219250	Hard Labor Creek near Madison, Ga.	Lat 33°38'15", long 83°29'24", Morgan County, Hydrologic Unit 03070101, at State Highway 83, 4 miles north of Madison.	69.5	1967, 1979-80, 1982, 1986	07-08-86	5.2
02219400	Big Sandy Creek near Apalachee, Ga.	Lat 33°40'04", long 83°26'40", Morgan County, Hydrologic Unit 03070101, at State Highway 24, 1.5 miles southwest of Apalachee.	a61	1943, 1951, 1953-54, 1957, 1959-63, 1965-68, 1970, 1986	07-08-86	2.3

† Operated as a continuous-record gaging station.
a Approximately.

Base-flow discharge measurements--Continued

Station No.	Station name	Location	Drainage area (mi^2)	Period of record	Date	Discharge (ft^3/s)
		Altamaha River Basin--Continued				
02221000	Murder Creek near Monticello, Ga.	Lat 33°24'56", long 83°39'43", Jasper County, Hydrologic Unit 03070101, at Road 362, 7 miles north of Monticello.	24.0	1952-71†, 1972, 1979-80, 1982, 1986	07-09-86	1.1
02223850	Turkey Creek at Allentown, Ga.	Lat 32°36'41", long 83°11'26", Wilkinson County, Hydrologic Unit 03070102, at State Highway 112, 1 mile northeast of Allentown.	48.9	1979-80, 1986-87	07-22-86 10-08-86	0.06 .28
02224000	Rocky Creek near Dudley, Ga.	Lat 32°29'38", long 83°08'49", Laurens County, Hydrologic Unit 03070102, at Road 352, 5 miles southwest of Dudley.	62.9	1952-76†, 1979-80, 1986-87	07-22-86 10-08-86	.23 1.4
02224100	Turkey Creek at Garretta, Ga.	Lat 32°27'21", long 82°56'32", Laurens County, Hydrologic Unit 03070102, at State Highway 31, at Garretta.	316	1951, 1961, 1964-68, 1973, 1986-87	07-22-86 10-08-86	2.3 15
		Apalachicola River Basin				
02331000	Chattahoochee River near Leaf, Ga.	Lat 34°34'37", long 83°38'09", White-Habersham County line, Hydrologic Unit 03130001, 600 feet upstream from State Highway 115, 6 miles east of Cleveland.	150	1940-71†, 1979-80, 1986	07-10-86	71
02331200	Soque River (State Highway 197) near Clarksville, Ga.	Lat 34°40'45", long 83°31'57", Habersham County, Hydrologic Unit 03130001, at State Highway 197, 4 miles northwest of Clarksville.	52.9	1986	07-10-86	28
02331300	Sutton Mill Creek near Clarksville, Ga.	Lat 34°37'36", long 83°32'23", Habersham County, Hydrologic Unit 03130001, at Road 174, 1 mile northwest of Clarksville.	c3.96	1959, 1961, 1963-68, 1970, 1986	07-10-86	1.7
02331500	Soque River near Demorest, Ga.	Lat 34°34'23", long 83°35'27", Habersham County, Hydrologic Unit 03130001, at State Highway 105, 1.5 miles east of Demorest.	156	1904-09†, 1929-32†, 1940-52†, 1986	07-10-86	65
02332200	Flat Creek near Clermont, Ga.	Lat 34°26'57", long 83°45'51", Hall County, Hydrologic Unit 03130001, at State Highway 52, 1 mile south of Clermont.	a9.0	1957, 1959, 1961, 1963-68, 1970, 1975, 1986	07-10-86	.55
02333310	Tesnatee Creek near Cleveland, Ga.	Lat 34°36'44", long 83°46'41", White County, Hydrologic Unit 03130001, at U.S. Highway 129, 0.5 mile northwest of Cleveland.	9.89	1953, 1955, 1979-82, 1986	07-09-86	2.8

† Operated as a continuous-record gaging station.
a Approximately.

Base-flow discharge measurements--Continued

Station No.	Station name	Location	Drainage area (mi^2)	Period of record	Date	Discharge (ft^3/s)
		Apalachicola River Basin--Continued				
02333400	Turner Creek (U.S. Highway 129) near Cleveland, Ga.	Lat 34°36'49", long 83°47'26", White County, Hydrologic Unit 03130001, at U.S. Highway 129, 1.3 miles northwest of Cleveland.	8.44	1986	07-09-86	3.1
02333470	Tesnatee Creek above Lumpkin County Line near Cleveland, Ga.	Lat 34°33'50", long 83°51'38", White County, Hydrologic Unit 03130001, .2 mile upstream of White-Lumpkin County line, 5 miles southwest of Cleveland.	71.1	1986	07-08-86	22
02333600	Yahoola Creek at Dahlonega, Ga.	Lat 34°32'41", long 83°58'08", Lumpkin County, Hydrologic Unit 03130001, at State Highway 52, at Dahlonega.	31.3	1951, 1953, 1955, 1959, 1961-68, 1970, 1986	07-08-86	8.2
02334480	Richland Creek near Buford, Ga.	Lat 34°07'57", long 84°04'13", Gwinnett County, Hydrologic Unit 03130001, at Suwanee-Buford Dam Road, 2.0 miles west of Buford.	8.7	1987	10-03-86 10-24-86	2.8 4.3
02334520	James Creek near Cumming, Ga.	Lat 34°07'30", long 84°06'11", Forsyth County, Hydrologic Unit 03130001, at James Burgess Road, 6.3 miles southeast of Cumming.	13.5	1986-87	08-26-86 10-03-86 10-24-86	1.7 4.6 6.3
02334580	Level Creek near Suwanee, Ga.	Lat 34°05'03", long 84°05'39", Gwinnett County, Hydrologic Unit 03130001, at Settles Bridge Road, 2.5 miles northwest of Suwanee.	9.4	1986-87	08-26-86 10-24-86	.70 3.2
02334620	Dick Creek near Suwanee, Ga.	Lat 34°04'17", long 84°07"49", Forsyth County, Hydrologic Unit 03130001, at Sharon Road, 3.5 miles northwest of Suwanee.	6.4	1986-87	08-26-86 10-24-86	.43 2.2
02334895	Suwanee Creek (Scales Road) near Suwanee, Ga.	Lat 34°01'58", long 84°06'13", Gwinnett County, Hydrologic Unit 03130001, at Scales Road, 2.1 miles southwest of Suwanee.	49.7	1986	08-26-86	1.8
02335080	John Creek near Duluth, Ga.	Lat 34°00'40", long 84°13'11", Fulton County, Hydrologic Unit 03130001, at Old Alabama Road, 4.5 miles west of Duluth.	12.3	1986-87	08-26-86 10-24-86	.30 3.4
02335740	Big Creek at Roswell, Ga.	Lat 34°01'03", long 84°21'11", Fulton County, Hydrologic Unit 03130001, Roswell Water Works intake, 0.6 miles east of Roswell.	102	1986-87	08-26-86 10-24-86	4.1 45
02335790	Willeo Creek near Roswell, Ga.	Lat 34°00'10", long 84°23'40", Cobb-Fulton County Line, Hydrologic Unit 03130001, at State Highway 120, 2.0 miles southwest of Roswell.	14.5	1986-87	08-26-86 10-24-86	.46 4.5
02335886	Long Island Creek at Atlanta, Ga.	Lat 33°53'10", long 84°25"36", Fulton County, Hydrologic Unit 03130001, at Northside Drive, 1.2 miles upstream from mouth.	6.0	1986-87	08-26-86 10-24-86	.55 2.1

Base-flow discharge measurements--Continued

Station No.	Station name	Location	Drainage area (mi^2)	Period of record	Date	Discharge (ft^3/s)
		Apalachicola River Basin--Continued				
02335900	Rottenwood Creek near Marietta, Ga.	Lat 33°54'43", long 84°28'41", Cobb County, Hydrologic Unit 03130001, at Terrell Mill Road, 5.7 miles southeast of Marietta.	c14.7	1944, 1949, 1951, 1953-55, 1957, 1959, 1961-68, 1970, 1986-87	08-26-86 10-24-86	3.9 6.1
02336315	Peachtree Creek (Moore's Mill Road) at Atlanta, Ga.	Lat 33°49'34", long 84°26'35", Fulton County, Hydrologic Unit 03130001, at Moore's Mill Road, 1.3 miles upstream from mouth.	93.1	1986	08-26-86	9.7
02336420	Peachtree Creek (Ridgewood Road) at Atlanta, Ga.	Lat 33°49'35", long 84°26'58", Fulton County, Hydrologic Unit 03130001, at Ridgewood Road, 0.3 mile upstream from mouth.	134	1987	10-24-86	44
02336800	Sweetwater Creek near Hiram, Ga.	Lat 33°48'17", long 84°47'10", Paulding County, Hydrologic Unit 03130002, at Road 295, 5.5 miles southwest of Hiram.	a50	1959, 1961-68, 1970, 1986	07-09-86 07-10-86	2.1 1.7
02336840	Sweetwater Creek near Powder Springs, Ga.	Lat 33°49'38", long 84°43'11", Cobb County, Hydrologic Unit 03130002, at Road 2118, 3 miles southwest of Powder Springs.	102	1955, 1986	07-07-86	5.1
02337200	Anneewakee Creek (formerly published as Anneewakee Creek near Campbellton, Ga.) near Douglasville, Ga.	Lat 33°39'54", long 84°41'03", Douglas County, Hydrologic Unit 03130002, at State Highway 166, 4 miles southeast of Douglasville.	a29	1953, 1959, 1962-68, 1970, 1986	07-07-86	6.3
02337438	Dog River near Fairplay, Ga.	Lat 33°37'20", long 84°47'35", Douglas County, Hydrologic Unit 03130002, at State Highway 166, 4.2 miles east of Fairplay.	76.4	1974, 1976-77, 1979, 1986	07-07-86	11
02338100	Wahoo Creek near Sargent, Ga.	Lat 33°25'20", long 84°50'27", Coweta County, Hydrologic Unit 03130002, at Road 336, 2 miles southeast of Sargent.	a16	1953-54, 1959, 1961-68, 1970, 1977, 1986	07-07-86	4.0
02338400	Centralhatchee Creek near Franklin, Ga.	Lat 33°18'40", long 85°06'18", Heard County, Hydrologic Unit 03130002, at U.S. Highway 27, 1 mile north of Franklin.	a57	1953, 1955, 1959, 1961-68, 1970, 1986	07-07-86	14
02338530	Hillabahatchee Creek near Franklin, Ga.	Lat 33°16'50", long 85°07'10", Heard County, Hydrologic Unit 03130002, at State Highway 34, 0.4 mile east of Franklin.	77.3	1951, 1953, 1979-80, 1982, 1986	07-07-86	22
02338840	Yellow Jacket Creek near Hogansville, Ga.	Lat 33°08'22", long 84°58'31", Troup County, Hydrologic Unit 03130002, at Road 296, 3 miles southeast of Hogansville.	91.0	1979-85†, 1986	07-07-86	4.6

† Operated as a continuous-record gaging station.
a Approximately.

Base-flow discharge measurements--Continued

Station No.	Station name	Location	Drainage area (mi^2)	Period of record	Date	Discharge (ft^3/s)
		Apalachicola River Basin--Continued				
02338930	Beech Creek near LaGrange, Ga.	Lat 33°05'32", long 84°59'02, Troup County, Hydrologic Unit 03130002, at Road 276, 4.5 miles northeast of LaGrange.	52.9	1952, 1955, 1979-80, 1982, 1986	07-07-86	3.5
02340210	Flat Shoals Creek near LaGrange, Ga.	Lat 32°56'42", long 84°55'28", Troup County, Hydrologic Unit 03130002, at U.S. Highway 27, 6.5 miles southeast of LaGrange.	119	1955, 1986	07-08-86	7.5
02340262	Flat Shoal Creek (State Highway 103) near West Point, Ga.	Lat 32°50'12", long 85°06'57", Harris County, Hydrologic Unit 03130002, at State Highway 103, 3 miles southeast of West Point.	211	1986	07-09-86	35
02340500	Mountain Oak Creek near Hamilton, Ga.	Lat 32°44'28", long 85°04'08", Harris County, Hydrologic Unit 03130002, at State Highway 103, 11 miles west of Hamilton.	61.7	1944-71†, 1979-80, 1982, 1986	07-09-86	5.3
02341050	Mulberry Creek near Hamilton, Ga.	Lat 32°42'30", long 84°52'11", Harris County, Hydrologic Unit 03130002, at U.S. Highway 27, 2 miles south of Hamilton.	113	1986	07-08-86	7.4
02341200	Ossahatchee Creek near Hamilton, Ga.	Lat 32°41'18", long 84°51'24", Harris County, Hydrologic Unit 03130002, at U.S. 27, 4 miles south of Hamilton.	42.6	1943, 1951, 1955, 1957, 1959, 1961-63, 1965-68, 1970, 1986	07-08-86	.60
02341220	Mulberry Creek near Mulberry Grove, Ga.	Lat 32°42'11", long 84°57'29", Harris County, Hydrologic Unit 03130002, at Road 111, 2 miles north of Mulberry Grove.	190	1986	07-08-86	9.2
02341600	Juniper Creek near Geneva, Ga.	Lat 32°31'41", long 84°34'14", Talbot County, Hydrologic Unit 03130003, at State Highway 41, 2 miles south of Geneva.	47.4	1943, 1964, 1979-80, 1985-87	07-09-86 10-29-86	30 39
02341700	Kendall Creek near Upatoi, Ga.	Lat 32°32'47", long 84°42'52", Muscogee County, Hydrologic Unit 03130003, at State Highway 22, 1.5 miles east of Upatoi.	17.1	1943, 1948, 1955, 1961, 1964-68, 1973, 1986-87	07-09-86 10-29-86	.36 .81
02341720	Upatoi Creek at Eelbeck, Ga.	Lat 32°26'42", long 84°45'25, Muscogee-Chattahoochee County line, Hydrologic Unit 03130003, in Fort Benning Military Reservation, 0.7 miles upstream from mouth of Pine Knot Creek.	201	1943-44, 1951, 1986-87	07-09-86 10-29-86	30 53

† Operated as a continuous-record gaging station.

Base-flow discharge measurements--Continued

Station No.	Station name	Location	Drainage area (mi^2)	Period of record	Date	Discharge (ft^3/s)
		Apalachicola River Basin--Continued				
02341750	Randall Creek near Upatoi, Ga.	Lat 32°32'52", long 84°46'31", Muscogee County, Hydrologic Unit 03130003, at Road 101, 4 miles west of Upatoi.	18.7	1947, 1954, 1979-80, 1986-87	07-09-86 10-29-86	0.83 1.4
02342000	Upatoi Creek at Fort Benning, Ga.	Lat 32°22'35", long 84°56'40", Muscogee County, Hydrologic Unit 03130003, 0.5 mile upstream from State Highway 357, at Muscogee-Chattahoochee County line at Fort Benning.	447	1943-48†, 1955, 1986-87	07-09-86 10-29-86	88 148
02342590	Hichitee Creek near Cussetta, Ga.	Lat 32°16'04", long 84°47'10", Chattahoochee County, Hydrologic Unit 03130003, at State Highway 1, 2.5 miles south of Cusseta.	15.8	1947, 1954, 1979-80, 1987	10-29-86	5.8
02342850	Hannahatchee Creek at Union, Ga.	Lat 32°09'10", long 84°54'21", Stewart County, Hydrologic Unit 03130003, at Road 35, at Union.	121	1964-65†, 1968-70, 1973, 1985-87	07-09-86 10-29-86	10 20
02343200	Pataula Creek near Lumpkin, Ga.	Lat 31°56'03", long 84°48'12, Stewart County, Hydrologic Unit 03130003, at State Highway 1, 8 miles south of Lumpkin.	a70	1950-52, 1954, 1958-71†, 1972, 1979-80, 1985-87	07-07-86 10-29-86	14 23
02343208	Hodchodkee Creek near Lumpkin, Ga.	Lat 32°03'04", long 84°46'35", Stewart County, Hydrologic Unit 03130003, at State Highway 27, 1 mile east of Lumpkin.	10.7	1952, 1954, 1979-80, 1987	10-29-86	5.1
02343225	Pataula Creek near Georgetown, Ga.	Lat 31°49'06", long 84°57'27", Quitman County, Hydrologic Unit 03130003, at U.S. Highway 82, 11 miles east of Georgetown.	295	1951-74, 1985-87	07-08-86 10-30-86	70 111
02343229	Holanna Creek at Morris, Ga.	Lat 31°47'17", long 84°57'23", Quitman County, Hydrologic Unit 03130003, at Road 41, at Morris.	41.4	1954, 1973, 1979-80, 1987	10-30-86	7.9
02343255	Cemocheechobee River at Fort Gaines, Ga.	Lat 31°37'29", long 85°02'46", Clay County, Hydrologic Unit 03130004, at State Highway 39, at Fort Gaines.	103	1954, 1968, 1979-80, 1985-87	07-08-86 10-28-86	26 34
02343270	Kolomoki Creek at State Highway 39 at Fort Gaines, Ga.	Lat 31°31'15", long 85°01'29", Clay County, Hydrologic Unit 03130004, at State Highway 39, 6 miles south of Fort Gaines.	97.5	1954, 1968, 1979-80, 1985-87	07-08-86 10-29-86	42 57
02343940	Sawhatchee Creek at Cedar Springs, Ga.	Lat 31°10'40", long 85°02'37", Early County, Hydrologic Unit 03130004, at State Highway 273, at Cedar Springs.	64.2	1979-81, 1985-87	07-08-86 10-28-86	10. 9.7
02344752	Line Creek above Haralson, Ga.	Lat 33°15'23", long 84°29'50", Coweta-Spalding County line, Hydrologic Unit 03130005, at State Highway 16, 3 miles northeast of Haralson.	216	1951, 1977, 1979-80, 1982, 1986	07-10-86	5.7

† Operated as a continuous-record gaging station.
a Approximately.

Base-flow discharge measurements--Continued

Station No.	Station name	Location	Drainage area (mi^2)	Period of record	Date	Discharge (ft^3/s)
		Apalachicola River Basin--Continued				
02344786	White Oak Creek near Newnan, Ga.	Lat 33°21'20", long 84°43'37", Coweta County, Hydrologic Unit 03130005, at Road 103, 3 miles east of Newnan.	21.4	1943, 1953, 1977, 1979, 1986	07-07-86	1.3
02344900	Walnut Creek (State Highway 18) near Greenville, Ga.	Lat 33°00'54", long 84°40'20", Meriwether County, Hydrologic Unit 03130005, at State Highway 18, 2 miles southeast of Greenville.	22.5	1986	07-08-86	1.1
02345220	Elkins Creek near Zebulon, Ga.	Lat 33°06'10", long 84°21'41", Pike County, Hydrologic Unit 03130005, State Highway 18, 1 mile west of Zebulon.	20.3	1951-54, 1979, 1986	07-09-86	0
02345400	Elkins Creek near Molena, Ga.	Lat 32°58'15", long 84°30'56", Pike County, Hydrologic Unit 03130005, at county road, 3 miles south of Molena.	101	1947, 1954, 1959, 1961-63, 1965-68, 1970, 1973, 1977, 1986	07-09-86	9.0
02346195	Lazar Creek near Talbotton, Ga.	Lat 32°44'33", long 84°33'20", Talbot County, Hydrologic Unit 03130005, at State Highway 41, 5 miles north of Talbotton.	81.3	1950, 1951, 1979-80, 1986	07-08-86	7.2
02346400	Potato Creek at Piedmont, Ga.	Lat 33°01'10", long 84°15'33", Lamar County, Hydrologic Unit 03130005, at Road 59, at Piedmont.	a96	1953, 1959, 1962-63, 1965-68, 1970, 1986	07-09-86	5.1
02346500	Potato Creek near Thomaston, Ga.	Lat 32°54'15", long 84°21'45", Upson County, Hydrologic Unit 03130005, at State Highway 74, 1 mile west of Thomaston.	186	1938-71†, 1979-80, 1986	07-09-86	16
02348300	Patsiliga Creek at Reynolds, Ga.	Lat 32°34'20", long 84°05'27", Taylor County, Hydrologic Unit 03130005, at State Highway 128, 0.5 mile north of Reynolds.	139	1951, 1955, 1959, 1961-62, 1964-68, 1970, 1985-87	07-08-86 10-30-86	21 48
02348420	Toteover Creek near Ideal, Ga.	Lat 32°26'42", long 84°04'45", Macon County, Hydrologic Unit 03130005, at State Highway 128, 7 miles northeast of Ideal.	11.1	1954, 1979-80, 1987	10-29-86	4.4
02349000	Whitewater Creek below Rambulette Creek, near Butler, Ga.	Lat 32°28'00", long 84°15'58", Taylor County, Hydrologic Unit 03130005, 600 feet downstream from U.S. Highway 19, 5 miles south of Butler.	93.4	1952-71†, 1973, 1975, 1980, 1982, 1985-87	07-08-86 10-30-86	90 101
02349140	Whitewater Creek near Oglethorpe, Ga.	Lat 32°20'56", long 84°03'51", Macon County, Hydrologic Unit 03130005, at State Highway 128, 3 miles north of Oglethorpe.	240	1985-87	07-07-86 10-29-86	172 215

† Operated as a continuous-record gaging station.
a Approximately.

Base-flow discharge measurements--Continued

Station No.	Station name	Location	Drainage area (mi^2)	Period of record	Date	Discharge (ft^3/s)
		Apalachicola River Basin--Continued				
02349300	Shoal Creek at Tazewell, Ga.	Lat 32°22'40", long 84°26'48", Marion County, Hydrologic Unit 03130006, at State Highway 137, at Tazewell.	a44	1944, 1955, 1959, 1961, 1964-68, 1973, 1985-87	07-08-86 10-29-86	28 31
02349420	Buck Creek at Oglethorpe, Ga.	Lat 32°18'40", long 84°03'55", Macon County, Hydrologic Unit 03130006, at State Highway 128, at Oglethorpe.	224	1951, 1982, 1985-87	07-07-86 10-29-86	49 96
02349600	Beaver Creek at Montezuma, Ga.	Lat 32°17'45", long 84°01'54", Macon County, Hydrologic Unit 03130006, at State Highway 26, at Montezuma.	a39	1946-47, 1951, 1955, 1959, 1964-68, 1973, 1986-87	07-07-86 10-29-86	13 24
02349660	Sweetwater Creek at Andersonville, Ga.	Lat 32°11'09", long 84°08'03", Sumter-Macon County line, Hydrologic Unit 03130006, at State Highway 49, at Andersonville.	28.6	1953-55, 1985, 1987	10-29-86	11
02349740	Hogcrawl Creek near Montezuma, Ga.	Lat 32°13'02", long 83°59'30", Macon County, Hydrologic Unit 03130006, at Road 282, 4.5 miles southeast of Montezuma.	83.3	1950-51, 1954, 1979-80, 1985-87	07-07-86 10-29-86	16 23
02349800	Flint River near Methvins, Ga.	Lat 32°07'28", long 84°00'43", Sumter-Crisp County line, Hydrologic Unit 03130006, at Road 170, 3 miles east of Methvins.	a3200	1979-81, 1985, 1987	10-27-86	1050
02349910	Turkey Creek near Drayton, Ga.	Lat 32°06'13", long 83°56'23", Dooly County, Hydrologic Unit 03130006, at Road 64, 2 miles northeast of Drayton.	76.0	1980-81, 1985-87	07-07-86 10-27-86	15 18
02349960	Little Pennahatchee Creek near Lilly, Ga.	Lat 32°07'00", long 83°51'44", Dooly County, Hydrologic Unit 03130006, at State Highway 90, 2.2 miles southeast of Lilly.	a24	1954, 1961, 1965-68, 1973, 1986-87	07-07-86 10-29-86	.96 .83
02349980	Pennahatchee Creek near Drayton, Ga.	Lat 32°05'43", long 83°55'04", Dooly County, Hydrologic Unit 03130006, at Road 62, 2.5 miles northeast of Drayton.	102	1980-81, 1985-86	07-07-86 10-27-86	2.3 2.7
02350080	Lime Creek near Cobb, Ga.	Lat 32°02'06", long 83°59'33", Sumter County, Hydrologic Unit 03130006, at Road 53, 5 miles north of Cobb.	61.8	1954, 1957, 1974, 1979, 1981, 1986-87	07-07-86 10-27-86	4.9 12
02350220	Gum Creek at Coney, Ga.	Lat 31°57'40", long 83°53'05", Crisp County, Hydrologic Unit 03130006, at U.S. Highway 280, at Coney.	73.0	1974, 1980-81, 1987	10-29-86	11

† Operated as a continuous-record gaging station.
a Approximately.

Base-flow discharge measurements--Continued

Station No.	Station name	Location	Drainage area (mi^2)	Period of record	Date	Discharge (ft^3/s)
		Apalachicola River Basin--Continued				
02350300	Cedar Creek near Cordele, Ga.	Lat 31°54'45", long 83°51'18", Crisp County, Hydrologic Unit 03130006, at State Highway 257, 5 miles southwest of Cordele.	34.0	1954, 1961, 1965-68, 1973, 1979-81, 1987	10-29-86	1.3
02350360	Swift Creek near Warwick, Ga.	Lat 31°50'20", long 83°51'18, Crisp-Worth County line, Hydrologic Unit 03130006, at Road 105, 2 miles northwest of Warwick.	40.0	1980-81, 1987	10-29-86	9.2
02350405	Flint River near Warwick, Ga.	Lat 31°50'56", long 83°56'50", Worth-Lee County line, Hydrologic Unit 03130006, just below Crisp County Dam, 2 miles west of Warwick.	3710	1981, 1987	10-27-86	819
02350509	Jones Creek near Oakfield, Ga.	Lat 31°45'33", long 83°58'42", Worth-Lee County line, Hydrologic Unit 03130006, at State Highway 257, 2 miles south of Oakfield.	50.5	1980-81, 1987	10-27-86	2.3
02350512	Flint River near Oakfield,	Lat 31°43'30", long 84°01'07", Worth-Lee County line, Hydrologic Unit 03130006, at State Highway 32, 4 miles southwest of Oakfield.	a3930	1981, 1987	10-27-86	770
02350524	Abrams Creek near Oakfield, Ga.	Lat 31°43'07", long 83°59'19", Worth County, Hydrologic Unit 03130006, at State Highway 257, 3.5 miles south of Oakfield.	80.2	1980-81, 1987	10-27-86	9.1
02350527	Mercer Mill Creek (formerly published as Mill Creek) near Albany, Ga.	Lat 31°40'04", long 83°59'48", Worth County, Hydrologic Unit 03130006, at State Highway 257, 7 miles northeast of Albany.	44.0	1979-82, 1987	10-27-86	12
02350543	Piney Woods Creek above Albany, Ga.	Lat 31°36'08", long 84°02'58", Dougherty County, Hydrologic Unit 03130006, at State Highway 257, 1 mile east of Albany.	60.4	1955, 1980-81, 1987	10-27-86	0
02350572	Kinchafoonee Creek near Buena Vista, Ga.	Lat 32°15'22", long 84°34'41", Marion County, Hydrologic Unit 03130007, at Road S640, 5 miles southwest of Buena Vista.	52.7	1979-80, 1986-87	07-09-86 10-29-86	9.0 14
02350600	Kinchafoonee Creek at Preston, Ga.	Lat 32°03'13", long 84°32'53", Webster County, Hydrologic Unit 03130007, at State Highway 41, at Preston.	197	1952-77†, 1979-80, 1985-87	07-09-86 10-29-86	13 53
02350690	Choctahatchee Creek near Preston, Ga.	Lat 32°02'02", long 84°28'04", Webster County, Hydrologic Unit 03130007, at U.S. Highway 280, 3.5 miles southeast of Preston.	35.0	1952, 1979-80, 1987	10-29-86	7.9
02350860	Kinchafoonee Creek near Smithfield, Ga.	Lat 31°52'06", long 84°18'18", Lee County, Hydrologic Unit 03130007, at State Highway 118, 2.5 miles southwest of Smithfield.	485	1954, 1980-81, 1987	10-28-86	163

† Operated as a continuous-record gaging station.
a Approximately.

Base-flow discharge measurements--Continued

Station No.	Station name	Location	Drainage area (mi^2)	Period of record	Date	Discharge (ft^3/s)
		Apalachicola River Basin--Continued				
02351000	Kinchafoonee Creek near Leesburg, Ga.	Lat 31°43'10", long 84°11'08", Lee County, Hydrologic Unit 03130007, at State Highway 32, 1 mile southwest of Leesburg.	586	1953-54, 1980-81, 1985-87	07-07-86 10-28-86	68 156
02351500	Muckalee Creek near Americus, Ga.	Lat 32°04'59", long 84°15'29", Sumter County, Hydrologic Unit 03130007, at State Highway 30, 0.5 mile west of Americus.	140	1979-80, 1985-87	07-09-86 10-29-86	6.7 41
2351700	Muckalee Creek near Smithville, Ga.	Lat 31°53'43", long 84°11'52, Lee County, Hydrologic Unit 03130007, at State Highway 118, 3 miles east of Smithville.	265	1951, 1953-54, 1959-61 1964-68, 1980-81, 1986-87	07-07-86 10-28-86	32 83
02351780	Muckaloochee Creek near Americus, Ga.	Lat 31°58'37", long 84°18'12", Sumter County, Hydrologic Unit 03130007, at State Highway 49, 6 miles southwest of Americus.	27.1	1980-81, 1987	10-29-86	14
02351800	Muckaloochee Creek at Smithville, Ga.	Lat 31°54'19", long 84°14'44", Lee County, Hydrologic Unit 03130007, at State Highway 118, at Smithville.	a47	1951, 1954, 1959, 1961, 1964-68, 1973, 1980-81, 1987	10-28-86	28
02351900	Muckalee Creek near Leesburg, Ga.	Lat 31°43'55", long 84°07'30", Lee County, Hydrologic Unit 03130007, at State Highway 32, 2.8 miles east of Leesburg.	a405	1951, 1953-54, 1959, 1961, 1964-68, 1973, 1987	10-27-86	96
02351930	Muckalee Creek (County Road 5) below Leesburg, Ga.	Lat 31°39'05", long 84°06'27", Lee County, Hydrologic Unit 03130007, at Road 5, 0.5 mile west of Leesburg.	--	1986-87	07-07-86 10-29-86	47 115
02352760	Dry Creek near Putney, Ga.	Lat 31°27'04", long 84°08'07", Dougherty County, Hydrologic Unit 03130008, at State Highway 3, 1.5 miles south of Putney.	68.1	1955, 1980-81, 1987	10-27-86	0
02352790	Flint River near Putney, Ga.	Lat 31°26'39", long 84°08'16" Dougherty County, Hydrologic Unit 03130008, at Plant Putney intake, at State Highway 3, at Putney.	5340	1951, 1978, 1985, 1987	10-28-86	1530
02352920	Raccoon Creek near Baconton, Ga.	Lat 31°21'48", long 84°10'04", Mitchell County, Hydrologic Unit 03130008, at State Highway 3, 1 mile south of Baconton.	92.9	1955, 1969, 1980-81, 1987	10-27-86	0
02352970	Cooleewahee Creek near Albany, Ga.	Lat 31°30'13", long 84°17'28", Dougherty County, Hydrologic Unit 03130008, at State Highway 62, 8 miles west of Albany.	60.1	1955, 1979-81, 1986-87	07-09-86 10-27-86	0 0
02352980	Cooleewahee Creek at Newton, Ga.	Lat 31°19'48", long 84°19'50, Baker County, Hydrologic Unit 03130008, at State Highway 91, at Newton.	152	1955, 1969, 1980-81, 1986-87	07-09-86 10-29-86	2.4 .52

a Approximately.

Base-flow discharge measurements--Continued

Station No.	Station name	Location	Drainage area (mi^2)	Period of record	Date	Discharge (ft^3/s)
		Apalachicola River Basin--Continued				
02353100	Ichawaynochaway Creek near Dawson, Ga.	Lat 31°46'16", long 84°33'44", Terrell County, Hydrologic Unit 03130009, at State Highway 50, 7 miles west of Dawson.	118	1951, 1954, 1969, 1980-81, 1987	10-27-86	64
02353200	Little Ichawaynochaway Creek (formerly published as Nochaway Creek) near Shellman, Ga.	Lat 31°46'45", long 84°36'13", Randolph County, Hydrologic Unit 03130009, at State Highway 41, 1.5 miles north of Shellman.	a52	1951, 1954, 1959, 1961, 1964-68, 1973, 1986-87	07-07-86 10-27-86	20 28
02353265	Ichawaynochaway Creek near Morgan, Ga.	Lat 31°31'37", long 84°34'58", Calhoun County, Hydrologic Unit 03130009, at State Highway 45, 3.5 miles south of Morgan.	301	1980-81, 1987	10-28-86	120
02353350	Carter Creek near Carnegie, Ga.	Lat 31°38'12", long 84°43'14", Randolph County, Hydrologic Unit 03130009, at Road 22, 4 miles east of Carnegie.	51.4	1979-80, 1987	10-28-86	21
02353400	Pachitla Creek near Edison, Ga.	Lat 31°33'17", long 84°40'43", Calhoun County, Hydrologic Unit 03130009, at State Highway 37, 2.5 miles east of Edison.	188	1951, 1954, 1959-71†, 1973-74, 1979-81, 1986-87	07-08-86 10-28-86	44 79
02353460	Ichawaynochaway Creek near Leary, Ga.	Lat 31°28'09", long 84°34'15", Calhoun County, Hydrologic Unit 03130009, at State Highway 62, 3.5 miles west of Leary.	570	1954-55, 1980-81, 1986-87	07-08-86 10-29-86	80 203
02354300	Chickasawhatchee Creek near Dawson, Ga.	Lat 31°39'10", long 84°25'46", Terrell County, Hydrologic Unit 03130009, at Road 130, 7 miles south of Dawson.	a63	1951, 1955, 1964-68, 1973, 1986-87	07-07-86 10-27-86	7.3 10
02354350	Chickasawhatchee Creek near Albany, Ga.	Lat 31°35'37", long 84°27'12", Dougherty-Calhoun County line, Hydrologic Unit 03130009, at State Highway 234, 10 miles west of Albany.	118	1980-81, 1987	10-28-86	14
02354410	Chickasawhatchee Creek near Leary, Ga.	Lat 31°30'13", long 84°25'50", Calhoun-Dougherty County line, Hydrologic Unit 03130009, State Highway 62, 5 miles east of Leary.	157	1955, 1980-81, 1987	10-27-86	0
02354440	Kiokee Creek near Pretoria, Ga.	Lat 31°30'13", long 84°22'01", Dougherty County, Hydrologic Unit 03130009, at State Highway 62, 3 miles west of Pretoria.	67.0	1955, 1969, 1980-81, 1987	10-27-86	0
02354500	Chickasawhatchee Creek at Elmodel, Ga.	Lat 31°21'09", long 84°29'10", Baker County, Hydrologic Unit 03130009, at State Highway 37, at Elmodel.	a320	1940-1949, 1955, 1959-60, 1962, 1964-68, 1973-74, 1980-81, 1986-87	07-09-86 10-27-86	5.6 2.5

† Operated as a continuous-record gaging station.
a Approximately.

Base-flow discharge measurements--Continued

Station No.	Station name	Location	Drainage area (mi^2)	Period of record	Date	Discharge (ft^3/s)
		Apalachicola River Basin--Continued				
02355350	Ichawaynochaway Creek near Newton, Ga.	Lat 31°12'48", long 84°28'24", Baker County, Hydrologic Unit 03130009, at State Highway 91, 10.5 miles southwest of Newton.	1040	1955, 1980-81, 1985-87	07-09-86 10-27-86	146 231
02355600	Big Cypress Creek near Newton, Ga.	Lat 31°12'14", long 84°29'53", Baker County, Hydrologic Unit 03130009, at State Highway 91, 7 miles southwest of Newton.	--	1980-81, 1987	10-27-86	0
02355660	Flint River near Camilla, Ga.	Lat 31°09'08", long 84°28'57", Mitchell-Baker County line, Hydrologic Unit 03130008, near Road 33, 17 miles southwest of Camilla.	a7010	1981, 1987	10-28-86	2220
02355700	Flint River above Bainbridge, Ga.	Lat 30°57'15", long 84°33'47", Decatur County, Hydrologic Unit 03130008, near Road 225, 3 miles north of Bainbridge.	a7240	1981, 1985, 1987	10-28-86	2580
02355785	Big Slough near Camilla, Ga.	Lat 31°13'06", long 84°15'08", Mitchell County, Hydrologic Unit 03130008, at State Highway 97, 2 miles west of Camilla.	105	1980-81, 1987	10-28-86	0
02355830	Big Slough below Camilla, Ga.	Lat 31°09'02", long 84°17'19", Mitchell County, Hydrologic Unit 03130008, at State Highway 65, 5.5 miles southwest of Camilla.	157	1980-81, 1987	10-28-86	0
02355880	Big Slough near Pelham, Ga.	Lat 31°05'24", long 84°19'02", Mitchell County, Hydrologic Unit 03130008, at State Highway 179, 8 miles west of Pelham.	214	1980-81, 1987	10-28-86	0
02355950	Big Slough near Bainbridge, Ga.	Lat 30°56'26", long 84°31'23", Grady-Mitchell County line, Hydrologic Unit 03130008, at State Highway 262, 18 miles northeast of Bainbridge.	315	1952, 1980-81, 1985, 1987	10-28-86	0
02356100	Spring Creek near Arlington, Ga.	Lat 31°24'47", long 84°46'33", Early County, Hydrologic Unit 03130010, at State Highway 62, 3.5 miles southwest of Arlington.	a49	1951-52, 1954-55, 1959, 1961-62, 1964-68, 1973-74, 1980-81, 1986-87	07-08-86 10-27-86	0 0
02356220	Spring Creek at Damascus, Ga.	Lat 31°18'20", long 84°44'59", Early County, Hydrologic Unit 03130010, at State Highway 200, at Damascus.	99.8	1980-81, 1987	10-29-86	1.5
02356290	Dry Creek near Blakely, Ga.	Lat 31°22'22", long 84°52'59", Early County, Hydrologic Unit 03130010, at State Highway 200, 1.5 miles east of Blakely.	45.5	1980-81, 1987	10-28-86	5.1
02356460	Dry Creek near Hentown, Ga.	Lat 31°17'02", long 84°49'10", Early County, Hydrologic Unit 03130010, at Road 279, 1 mile northeast of Hentown.	101	1981, 1987	10-29-86	3.6
02356600	Long Branch near Colquitt, Ga.	Lat 31°12'49", long 84°43'54", Miller County, Hydrologic Unit 03130010, at State Highway 45, 1.5 miles north of Colquitt.	--	1980-81, 1987	10-27-86	0

a Approximately.

Base-flow discharge measurements--Continued

Station No.	Station name	Location	Drainage area (mi^2)	Period of record	Date	Discharge (ft^3/s)
		Apalachicola River Basin--Continued				
02356640	Spring Creek at Colquitt, Ga.	Lat 31°10'14", long 84°44'34", Miller County, Hydrologic Unit 03130010, at U.S. Highway 27, at Colquitt.	281	1952, 1954-55, 1980-81, 1987	10-27-86	17
02356860	Big Drain Creek near Boykin, Ga.	Lat 31°05'24", long 84°42'20", Miller County, Hydrologic Unit 03130010, at Road 192, 1 mile southwest of Boykin.	--	1980-81, 1987	10-28-86	0
02356970	Aycocks Creek below Colquitt, Ga.	Lat 31°06'19", long 84°46'46", Miller County, Hydrologic Unit 03130010, at State Highway 45, 4 miles southwest of Colquitt.	--	1980-81, 1987	10-28-86	0
02357025	Dry Creek near Iron City, Ga.	Lat 31°02'58", long 84°47'40", Seminole County, Hydrologic Unit 03130010, at State Highway 45, 2.5 miles north of Iron City.	--	1980-81, 1987	10-28-86	0
02357050	Spring Creek at Brinson, Ga.	Lat 30°58'30", long 84°44'44", Decatur County, Hydrologic Unit 03130010, at U.S. Highway 84, at Brinson.	560	1980-81, 1987	07-08-86 10-28-86	67 60
02357310	Fishpond Creek near Donaldsonville, Ga.	Lat 30°58'44", long 84°52'17", Seminole County, Hydrologic Unit 03130010, at State Highway 285, 3.5 miles south of Donaldsonville.	--	1980-81, 1987	10-28-86	0
		Mobile River Basin				
02379500	Cartecay River near Ellijay, Ga.	Lat 34°40'53", long 84°27'20", Gilmer County, Hydrologic Unit 03150102, at State Highway 52, 2 miles southeast of Ellijay.	134	1937-76†, 1979-80, 1982, 1986	07-12-86	72
02380000	Ellijay River at Ellijay, Ga.	Lat 34°41'06", long 84°28'40", Gilmer County, Hydrologic Unit 03150102, at State Highway 5, at Ellijay.	87.7	1954-69†, 1982, 1986	07-12-86	33
02381570	Talking Rock Creek at Talking Rock Ga.	Lat 34°30'40", long 84°30'31", Pickens County, Hydrologic Unit 03150102, at Road 226, at Talking Rock.	16.6	1955, 1979-80, 1982, 1986	07-11-86	0.89
02382000	Scarecorn Creek at Hinton, Ga.	Lat 34°28'04", long 84°35'30", Pickens County, Hydrologic Unit 03150102, at State Highway 53, 0.2 mile southwest of Hinton.	21.3	1939-42†, 1959-74†, 1980-82, 1986	07-11-86	1.5
02382838	Salacoa Creek at Fairmount, Ga.	Lat 34°25'07", long 84°41'55", Gordon County, Hydrologic Unit 03150102, at U.S. Highway 411, 1 mile south of Fairmount.	43.8	1980-82, 1986	07-10-86	.40
02382850	Salacoa Creek near Fairmount, Ga.	Lat 34°26'05", long 84°42'55", Gordon County, Hydrologic Unit 03150102, at State Highway 53, 0.8 mile west of Fairmount.	50.8	1954-55, 1986	07-10-86	.17
02383000	Rock Creek near Fairmount, Ga.	Lat 34°21'32", long 84°46'46", Bartow County, Hydrologic Unit 03150102, at State Highway 140, 7 miles southwest of Fairmount.	6.17	1952-74†, 1979-82, 1986	07-07-86	.38

† Operated as a continuous-record gaging station.

Base-flow discharge measurements--Continued

Station No.	Station name	Location	Drainage area (mi^2)	Period of record	Date	Discharge (ft^3/s)
		Mobile River Basin--Continued				
02383110	Pine Log Creek at Sonoraville, Ga.	Lat 34°26'53", long 84°47'36", Gordon County, Hydrologic Unit 03150102, at State Highway 53, 5.5 miles west of Fairmount.	99.1	1954-55, 1986	07-11-86	14
02383350	Salacoa Creek near Red Bud, Ga.	Lat 34°32'17", long 84°48'32", Gordon County, Hydrologic Unit 03150102, at State Highway 156, 7 miles northeast of Calhoun.	238	1959, 1986	07-11-86	28
02384000	Conasauga River near Tennga, Ga.	Lat 35°00'34", long 84°44'02", Polk County, Tenn., Hydrologic Unit 03150101, at U.S. Highway 411, 1.5 miles north of Tennga.	108	1929-32†, 1938, 1940-43, 1944-48†, 1955, 1959, 1961-62, 1964-68, 1970, 1972, 1986	07-10-86	33
02385000	Coahulla Creek near Varnell, Ga.	Lat 34°53'43", long 84°55'15". Whitfield County, Hydrologic Unit 03150101, at State Highway 2, 2.6 miles east of Varnell at Praters Mill.	86.7	1955, 1959, 1986	07-09-86	12
02385250	Coahulla Creek near Dalton, Ga.	Lat 34°46'46", long 84°53'47", Whitfield County, Hydrologic Unit 03150101, at U.S. Highway 76, 3 miles east of Dalton.	119	1979-80, 1982, 1986	07-12-86	10
02387600	Oothkalooga Creek near Calhoun, Ga.	Lat 34°29'44", long 84°57'55", Gordon County, Hydrologic Unit 03150103, at State Highway 53SP, at Calhoun.	c62.6	1955, 1959, 1962-68, 1970, 1986	07-11-86	19
02387690	Johns Creek near Curryville, Ga.	Lat 34°26'27", long 85°05'43", Floyd-Gordon County line, Hydrologic Unit 03150103, at State Highway 156, 3 miles west of Curryville.	c35.3	1954, 1959, 1979-80, 1986	07-07-86	7.0
02388000	West Armuchee Creek near Sublinga, Ga.	Lat 34°34'04", long 85°09'16", Chattooga County, Hydrologic Unit 03150103, at Road 329, 2 miles east of Sublinga	36.4	1954-55, 1960-82†, 1986	07-08-86	7.2
02388345	Armuchee Creek near Rome, Ga.	Lat 34°22'12", long 85°10'22", Floyd County, Hydrologic Unit 03150103, at State Highway 1, 6 miles north of Rome.	a213	1923, 1932, 1986	07-07-86	38
02388900	Etowah River near Dahlonega, Ga.	Lat 34°30'56", long 84°03'40", Lumpkin County, Hydrologic Unit 03150104, at State Highway 9, 4 miles west of Dahlonega.	69.7	1951, 1953, 1955, 1959, 1979-82, 1986	07-08-86	41
02389000	Etowah River near Dawsonville, Ga.	Lat 34°22'57", long 84°03'21", Dawson County, Hydrologic Unit 03150104, 0.5 mile upstream from State Highway 53, 4 miles southeast of Dawsonville.	107	1940-76†, 1979-82, 1986	07-08-86	57

† Operated as a continuous-record gaging station.
c Revised.

Base-flow discharage measurements--Continued

Station No.	Station name	Location	Drainage area (mi^2)	Period of record	Date	Discharge (ft^3/s)
		Mobile River Basin--Continued				
02389300	Shoal Creek near Dawsonville, Ga.	Lat 34°25'13", long 84°08'47", Dawson County, Hydrologic Unit 03150104, near State Highway 53, 1 mile west of Dawsonville.	21.7	1958-71†, 1979-82, 1986	07-08-86	7.3
02390000	Amicalola Creek near Dawsonville, Ga.	Lat 34°25'32", long 84°12'43", Dawson County, Hydrologic Unit 03150104, at State Highway 53, 5.5 miles west of Dawsonville.	c89	1939-52†, 1953, 1955, 1959, 1961, 1963-68, 1970, 1986	07-08-86	53
02390140	Settingdown Creek near Ball Ground, Ga.	Lat 34°17'35", long 84°15'49", Cherokee County, Hydrologic Unit 03150104, at State Highway 369, 8 miles southeast of Ball Ground.	49.3	1955, 1959, 1980-82, 1986	07-09-86	6.4
02390500	Long Swamp Creek near Ball Ground, Ga.	Lat 34°19'36", long 84°20'41", Cherokee County, Hydrologic Unit 03150104, at Road 775, 1.5 miles southeast of Ball Ground.	76.6	1955, 1986	07-09-86	16
02391500	Sharp Mountain Creek near Ball Ground, Ga.	Lat 34°20'14", long 84°24'19", Cherokee County, Hydrologic Unit 03150104, at Road 774, 1.5 miles west of Ball Ground.	63.8	1939-40†, 1955, 1959, 1961, 1964-68, 1970, 1986	07-08-86	14
02392100	Canton Creek at Canton, Ga.	Lat 34°13'45", long 84°29'26", Cherokee County, Hydrologic Unit 03150104, at State Highway 20, at Canton.	19.9	1951, 1955, 1959, 1961, 1963-68, 1970, 1986	07-08-86	1.9
02392350	Shoal Creek below Waleska, Ga.	Lat 34°17'37", long 84°34'10", Cherokee County, Hydrologic Unit 03150104, at Road 33, 2 miles southwest of Waleska.	c29.3	1955, 1986	07-08-86	4.4
02392360	Shoal Creek (State Highway 108) near Waleska, Ga.	Lat 34°15'48", long 84°35'44" Cherokee County, Hydrologic Unit 03150104, at State Highway 108, 5 miles southwest of Waleska.	56.6	1986	07-08-86	11
02392500	Little River near Roswell, Ga.	Lat 34°07'09", long 84°23'18", Fulton County, Hydrologic Unit 03150104, at State Highway 140, 7 miles north of Roswell.	60.0	1947-76†, 1979-82, 1986	07-09-86	4.0
02392780	Little River near Woodstock, Ga.	Lat 34°07'20", long 84°30'16", Cherokee County, Hydrologic Unit 03150104, at State Highway 5, 0.3 mile north of Woodstock.	c139	1953, 1955, 1986	07-08-86	12
02393020	Noonday Creek (County Road 416) near Woodstock, Ga.	Lat 34°06'25", long 84°32'50", Cherokee County, Hydrologic Unit 03150104, at Road 416, 1.7 miles west of Woodstock.	c46.8	1974, 1980-82, 1986	07-08-86	14

† Operated as a continuous-record gaging station.
c Revised.

Base-flow discharge measurements--Continued

Station No.	Station name	Location	Drainage area (mi^2)	Period of record	Date	Discharge (ft^3/s)
		Mobile River Basin--Continued				
02394400	Pumpkinvine Creek below Dallas, Ga.	Lat 33°54'57", long 84°52'40", Paulding County, Hydrologic Unit 03150104, at State Highway 6, 2.2 miles west of Dallas.	c42.8	1943, 1951, 1953-54, 1959, 1961, 1963-68, 1970, 1986	07-10-86	4.1
02394520	Pumpkinvine Creek near Emerson, Ga.	Lat 34°06'53", long 84°47'24", Bartow County, Hydrologic Unit 03150104, at Road 636, 2 miles west of Emerson.	c141	1959, 1979-80, 1986	07-07-86	23
02394600	Pettit Creek near Atco, Ga.	Lat 34°10'44", long 84°48'51", Bartow County, Hydrologic Unit 03150104, at State Highway 3, 1.2 miles northwest of Cartersville.	c36.9	1951-53, 1955, 1959, 1961, 1963-68, 1970, 1986	07-07-86	6.8
02394860	Euharlee Creek at Aragon, Ga.	Lat 34°02'20", long 85°03'13", Polk County, Hydrologic Unit 03150104, at State Highway 101, at Aragon.	c82	1951, 1955, 1986	07-10-86	25
02394900	Euharlee Creek at Taylorsville, Ga.	Lat 34°05'45", long 84°59'28", Bartow County, Hydrologic Unit 03150104, at Road 45, at Taylorsville.	c119	1959, 1961, 1963-68, 1970, 1986	07-07-86	42
02394950	Hills Creek near Taylorsville, Ga.	Lat 34°04'27", long 84°57'02", Polk County, Hydrologic Unit 03150104, at Road 248, 1 mile east of Taylorsville.	25.0	1959-74†, 1979-80, 1986	07-10-86	0.67
02394965	Euharlee Creek at Euharlee, Ga.	Lat 34°08'34", long 84°55'52", Bartow County, Hydrologic Unit 03150104, at Road 30, at Euharlee.	c176	1959, 1986	07-07-86	112
02395500	Dykes Creek near Rome, Ga.	Lat 34°15'30", long 85°05'01", Floyd County, Hydrologic Unit 03150104, at Road 121, 3 miles east of Rome.	c14.7	1939-42†, 1959, 1961, 1963-68, 1970, 1972, 1986	07-07-86	2.4
02396300	Silver Creek near Lindale, Ga.	Lat 34°10'32", long 85°09'49", Floyd County, Hydrologic Unit 03150104, at Road 633, 2 miles south of Rome.	c20.7	1955, 1959, 1961, 1963-68, 1970, 1972, 1986	07-08-86	7.5
02397500	Cedar Creek near Cedartown, Ga.	Lat 34°03'38", long 85°18'41", Polk County, Hydrologic Unit 03150105, at State Highway 161, 4.5 miles northwest of Cedartown.	115	1943-73†, 1979-80, 1986	07-10-86	31
02397516	Big Cedar Creek at Foster Mills, Ga.	Lat 34°09'55", long 85°20'36", Floyd County, Hydrologic Unit 03150105, at State Highway 100, 3.5 miles north of Cave Springs.	197	1986	07-08-86	84
02397900	Cane Creek near Trion, Ga.	Lat 34°34'20", long 85°18'24", Chattooga County, Hydrologic Unit 03150105, at Road 90, 0.2 mile north of Trion.	c35.5	1951, 1955, 1961, 1963-68, 1970, 1986	07-09-86	.52

† Operated as a continuous-record gaging station.
c Revised.

Base-flow discharge measurments--Continued

Station No.	Station name	Location	Drainage area (mi^2)	Period of record	Date	Discharge (ft^3/s)
		Mobile River Basin--Continued				
02411800	Little River near Buchanan, Ga.	Lat 33°47'50", long 85°07'05", Haralson County, Hydrologic Unit 03150108, at Road 3, 4.5 miles east of Buchanan.	20.2	1959-85†, 1986	07-09-86	1.1
02411850	Tallapoosa River near Felton, Ga.	Lat 33°51'48", long 85°12'49", Haralson County, Hydrologic Unit 03150108, at State Highway 1, 1.9 miles south of Felton.	152	1951, 1953-54, 1986	07-09-86	15
02411875	Tallapoosa River (Jax Road) above Tallapoosa, Ga.	Lat 33°47'42", long 85°16'05", Haralson County, Hydrologic Unit 03150108, at Road 353, 2 miles north of Tallapoosa.	191	1986	07-08-86	22
02413070	Buck Creek near Carrollton, Ga.	Lat 33°35'31", long 85°07'47", Carroll County, Hydrologic Unit 03150108, at State Highway 16, 2 miles east of Carrollton.	c32.4	1952, 1954, 1979-80, 1986	07-08-86	4.4
02413200	Little Tallapoosa River near Bowdon, Ga.	Lat 33°30'46", long 85°14'03", Carroll County, Hydrologic Unit 03150108, at Road 821, 2.2 miles southeast of Bowdon.	c220	1951, 1953-54, 1959, 1961, 1963-68, 1970, 1986	07-08-86	23
		Tennessee River Basin				
03499815	Blacks Creek near Mountain City, Ga.	Lat 34°56'06", long 83°23'17", Rabun County, Hydrologic Unit 06020002, at Road 5, 0.5 mile north of Mountain City.	4.1	1986	07-09-86	1.6
03550500	Nottley River near Blairsville, Ga.	Lat 34°50'28", long 83°56'10", Union County, Hydrologic Unit 06020002, at Road 40, 2.5 miles southeast of Blairsville.	74.8	1942-82†, 1986	07-09-86	25
03550766	Butternut Creek near Blairsville, Ga.	Lat 34°52'34", long 83°58'10", Union County, Hydrologic Unit 06020002, at U.S. Highway 19, 0.5 mile west of Blairsville.	11.1	1944, 1953-55, 1959, 1962-63, 1965-66, 1974, 1986	07-09-86	1.6
03566700	South Chickamauga Creek at Ringgold, Ga.	Lat 34°55'07", long 85°07'32", Catoosa County, Hydrologic Unit 06020001, at State Highway 3, at Ringgold.	c168	1951, 1959, 1961-62, 1964-68, 1970, 1972, 1986	07-09-86	28
03567200	West Chickamauga Creek near Kensington, Ga.	Lat 34°48'10", long 85°20'52", Walker County, Hydrologic Unit 06020001, at State Highway 136, 2.5 miles northeast of Kensington.	73	1955, 1959, 1961, 1963-68, 1970, 1972, 1980, 1986	07-09-86	6.0
03568810	Lookout Creek at Trenton, Ga.	Lat 34°51'47", long 85°30'02", Dade County, Hydrologic Unit 06020001, at State Highway 136, at Trenton.	102	1951, 1979, 1986	07-09-86	18

† Operated as a continuous-record gaging station.
c Revised.

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 of record
02177000	Chattooga River near Clayton	34°48'50"	83°18'22"	207	Oct 1, 1939 to Sep 30, 1986
02178000	Chattooga River near Tallulah Falls	34°47'31"	83°19'22"	256	Jan 1, 1917 to Jan 27, 1918
					Oct 1, 1918 to Sep 30, 1929
02178400	Tallulah River near Clayton	34°53'25"	83°31'50"	56.5	Jul 15, 1964 to Sep 30, 1986
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 Sep 30, 1918
02181000	Tallulah River at Mathis	34°46'44"	83°24'43"	177	Mar 27, 1913 to Sep 30, 1916
02181500	Tallulah River at Tallulah Falls	34°44'16"	83°23'51"	183	Jul 15, 1904 to Jun 30, 1909
					Aug 16, 1909 to Jun 30, 1910
					Jul 20, 1910 to Sep 30, 1912
02182000	Panther Creek near Toccoa	34°40'40"	83°20'43"	32.5	Oct 1, 1942 to Sep 30, 1971
02184000	Tugaloo River near Hartwell	34°29'06"	82°54'33"	909	Apr 28, 1925 to Sep 30, 1927
					Feb 1, 1940 to Sep 30, 1960
02187500	Savannah River near Iva, S.C.	34°15'20"	82°44'42"	2,230	Oct 1, 1950 to Sep 30, 1981
02188500	Beaverdam Creek at Dewy Rose	34°10'52"	82°56'38"	35.8	Oct 1, 1942 to Sep 30, 1977
02188680	Beaverdam Creek near Elberton	34°08'29"	82°51'15"	89.6	Oct 1, 1984 to Sep 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 Sep 30, 1900
					Apr 1, 1930 to Apr 30, 1932
					Apr 1, 1938 to Sep 30, 1979
02189050	North Fork Broad River above Toccoa	34°34'25"	83°22'00"	3.66	Oct 1, 1958 to Sep 30, 1969
02189100	Denmans Creek near Toccoa	34°34'22"	83°22'00"	0.74	Apr 15, 1956 to Sep 30, 1969
02189500	North Fork Broad River near Toccoa	34°30'49"	83°19'19"	19.3	May 1, 1954 to Sep 30, 1969
02189600	Bear Creek near Mize	34°29'07"	83°18'38"	3.62	Dec 1, 1956 to Sep 30, 1969
02190000	North Fork Broad River near Lavonia	34°27'10"	83°14'23"	42.0	May 1, 1954 to Sep 30, 1969
02190100	Toms Creek near Eastanollee	34°29'01"	83°14'02"	3.79	Oct 1, 1956 to Sep 30, 1969
02190200	Toms Creek near Avalon	34°29'35"	83°13'23"	1.20	Oct 1, 1954 to Sep 30, 1969
02190500	Toms Creek near Martin	34°27'47"	83°13'19"	10.3	Jun 17, 1954 to Sep 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 Sep 30, 1969
02191200	Hudson River at Homer	34°20'15"	83°29'17"	61.1	Jun 1, 1959 to Sep 30, 1979
02191500	Broad River near Carlton	34°03'56"	82°59'33"	762	Jul 1, 1897 to Dec 31, 1912
02191970	Little Macks Creek near Lexington	33°56'09"	82°57'41"	1.77	Dec 5, 1974 to Sep 30, 1985
02192000	Broad River near Bell	33°58'27"	82°46'12"	1,430	Nov 1, 1926 to Jul 31, 1932
					Aug 1, 1937 to Sep 30, 1986
02193500	Little River near Washington	33°36'40"	82°44'40"	291	Oct 1, 1949 to Jun 23, 1971
02194000	Little River near Lincolnton	33°38'40"	82°28'40"	574	Jan 1, 1943 to Mar 31, 1951
02196820	Butler Creek at Fort Gordon	33°26'36"	82°07'43"	7.50	Oct 1, 1968 to Sep 30, 1986
02197000	Savannah River at Augusta	33°22'25"	81°56'35"	7,510	Apr 1, 1883 to Sep 30, 1891
					Apr 1, 1896 to Sep 30, 1906
					Apr 1, 1925 to Sep 30, 1986
02197320	Savannah River near Jackson, S.C.	33°13'01"	81°46'04"	7,800	Oct 1, 1971 to Sep 30, 1986
02197500	Savannah River at Burtons Ferry Bridge near Millhaven	32°56'20"	81°30'10"	8,650	Oct 1, 1939 to Sep 30, 1970
					Oct 1, 1982 to Sep 30, 1986
02197520	Brier Creek near Thomson	33°22'06"	82°28'06"	55.0	Jul 18, 1967 to Sep 30, 1986
02197550	Little Brier Creek near Thomson	33°20'24"	82°27'29"	24.0	Jun 24, 1960 to Jun 30, 1967
02197600	Brushy Creek near Wrens	33°10'37"	82°18'21"	28.0	May 29, 1958 to Sep 30, 1986
02197830	Brier Creek near Waynesboro	33°07'05"	81°57'50"	473	Jul 1, 1969 to Sep 30, 1986

Station no.	Station name	Latitude	Longitude	Drainage area (mi^2)	Period of record
02198000	Brier Creek at Millhaven	32°56'00"	81°39'05"	646	Apr 14, 1937 to Sep 30, 1986
02198500	Savannah River near Clyo	32°31'30"	81°15'45"	9,850	Apr 1, 1930 to Sep 30, 1933
					Oct 1, 1937 to Sep 30, 1986
02200500	Ogeechee River near Louisville	32°58'03"	82°23'26"	800	Apr 1, 1937 to Dec 31, 1949
02201000	Williamson Swamp Creek at Davisboro	32°58'32"	82°36'36"	109	May 7, 1980 to Sep 30, 1986
02202000	Ogeechee River at Scarboro	32°42'38"	81°52'46"	1,940	Apr 1, 1937 to Jun 30, 1971
02202500	Ogeechee River near Eden	32°11'29"	81°24'58"	2,650	Apr 27, 1937 to Sep 30, 1986
02202600	Black Creek near Blitchton	32°10'04"	81°29'18"	232	Feb 14, 1980 to Sep 30, 1986
02203000	Canoochee River near Claxton	32°11'05"	81°53'20"	555	May 26, 1937 to Sep 30, 1986
02203500	Canoochee River near Groveland	32°05'55"	81°43'43"	921	Jun 23, 1903 to Dec 31, 1907
02203559	Peacock Creek at McIntosh	31°48'49"	81°31'13"	33.0	Oct 1, 1966 to Sep 30, 1977
02203600	South River at East Point	33°40'50"	84°25'15"	1.49	Oct 1, 1963 to Sep 30, 1969
02203900	South River at Flakes Mill Road near Atlanta	33°39'58"	84°13'29"	99.0	Aug 23, 1979 to Sep 30, 1983
02204070	South River at Klondike Road near Lithonia	33°37'47"	84°07'43"	182	Oct 1, 1983 to Sep 30, 1986
02204285	Pates Creek near Flippen	33°29'34"	84°14'44"	11.9	Aug 9, 1977 to Sep 30, 1984
02204500	South River near McDonough	33°29'48"	84°00'53"	456	Oct 1, 1939 to Sep 30, 1960
					Oct 1, 1975 to Sep 30, 1982
02205000	Wildcat Creek near Lawrenceville	34°00'08"	84°00'18"	1.59	Oct 1, 1953 to Sep 30, 1982
02205500	Pew Creek near Lawrenceville	33°56'05"	84°01'00"	2.23	Oct 1, 1953 to Sep 30, 1963
02206000	Shetley Creek near Norcross	33°57'20"	84°09'40"	0.98	Oct 1, 1953 to Sep 30, 1963
02206500	Yellow River near Snellville	33°51'11"	84°04'45"	134	Oct 1, 1942 to Sep 30, 1971
02207000	Garner Creek near Snellville	33°51'45"	84°05'50"	5.54	Oct 1, 1953 to Sep 30, 1963
02207500	Yellow River near Covington	33°36'52"	83°54'54"	378	Sep 12, 1897 to Dec 31, 1897
					May 9, 1899 to Dec 31, 1901
					Jul 1, 1944 to Sep 30, 1960
					Oct 1, 1975 to Sep 30, 1982
02208450	Alcovy River above Covington	33°38'24"	83°46'45"	185	Jan 26, 1972 to Sep 30, 1986
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
					Jul 1, 1944 to Dec 31, 1949
02209500	Alcovy River near Stewart	33°25'22"	83°49'43"	291	Sep 16, 1905 to Dec 31, 1906
02210500	Ocmulgee River near Jackson	33°18'28"	83°50'18"	1,420	May 18, 1906 to Sep 30, 1915
					Aug 1, 1939 to Sep 30, 1960
					Oct 1, 1975 to Sep 30, 1982
02211300	Towaliga River near Jackson	33°15'50"	84°04'17"	105	Jun 1, 1960 to Sep 30, 1971
02211459	Big Towaliga Creek near Barnesville	33°04'20"	84°11'04"	2.36	Oct 1, 1974 to Sep 30, 1980
02211500	Towaliga River near Forsyth	33°07'17"	83°56'36"	315	Feb 1, 1929 to Mar 31, 1932
					Jul 1, 1944 to Dec 31, 1949
02212500	Ocmulgee River at Juliette	33°05'50"	83°47'10"	1,960	Jun 1, 1916 to Sep 30, 1921
					Jul 12, 1974 to Sep 30, 1986
02212600	Falling Creek near Juliette	33°05'59"	83°43'25"	72.2	Jul 7, 1964 to Sep 30, 1986
02213000	Ocmulgee River at Macon	32°50'19"	83°37'14"	2,240	Feb 1, 1893 to Jul 31, 1912
					Oct 1, 1928 to Sep 30, 1986
02213050	Walnut Creek near Gray	32°58'20"	83°37'08"	29.0	Oct 1, 1961 to Sep 30, 1986
02213470	Tobesofkee Creek above Macon	32°51'15"	83°50'22"	156	Apr 1, 1967 to Sep 30, 1971
02213500	Tobesofkee creek near Macon	32°48'32"	83°45'30"	182	Apr 1, 1937 to Sep 30, 1986
02213700	Ocmulgee River near Warner Robins	32°40'17"	83°36'11"	2,690	Oct 1, 1972 to Sep 30, 1986
02214000	Echeconnee Creek near Macon	32°45'54"	83°50'22"	147	Apr 1, 1937 to Sep 30, 1943
02214500	Big Indian Creek at Perry	32°27'20"	83°44'21"	108	Oct 1, 1943 to Jul 31, 1971

Station no.	Station name	Latitude	Longitude	Drainage area (mi^2)	Period of record
02215000	Ocmulgee River at Hawkinsville	32°16'50"	83°27'40"	3,800	Oct 1, 1928 to Dec 31, 1931
					Oct 1, 1943 to Sep 30, 1959
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 Sep 30, 1986
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 Sep 30, 1986
02216610	Tillman Mill Creek near Lumber City	31°58'53"	82°38'32"	2.71	Oct 1, 1974 to Sep 30, 1985
02217000	Allen Creek at Talmo	34°11'34"	83°43'11"	17.3	Jul 7, 1951 to Sep 30, 1971
02217500	Middle Oconee River near Athens	33°56'48"	83°25'22"	398	Oct 1, 1901 to Sep 30, 1902
					Jan 1, 1929 to Mar 31, 1932
					May 1, 1937 to Sep 30, 1986
02217900	North Oconee River at Athens	33°56'55"	83°22'04"	278	Oct 1, 1928 to Mar 31, 1932
					Jun 24, 1944 to Dec 31, 1949
02218300	Oconee River near Penfield	33°43'16"	83°17'44"	940	Aug 1, 1977 to Sep 30, 1986
02218500	Oconee River near Greensboro	33°34'52"	83°16'22"	1,090	Aug 1, 1903 to Sep 30, 1932
					Apr 1, 1937 to Sep 30, 1978
02219000	Apalachee River near Bostwick	33°47'17"	83°28'27"	176	Jul 1, 1944 to Dec 31, 1949
					Apr 28, 1977 to Sep 30, 1986
02219500	Apalachee River near Buckhead	33°36'31"	83°20'58"	436	Jan 1, 1901 to Dec 31, 1908
					Apr 1, 1937 to Sep 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"	15.0	Jun 22, 1960 to Apr 16, 1986
02220900	Little River near Eatonton	33°18'50"	83°26'14"	262	Aug 1, 1977 to Sep 30, 1986
02221000	Murder Creek near Monticello	33°24'56"	83°39'43"	24.0	Oct 1, 1951 to Sep 30, 1971
02221525	Murder Creek below Eatonton	33°15'08"	83°28'53"	190	Apr 27, 1977 to Sep 30, 1986
02223000	Oconee River at Milledgeville	33°05'22"	83°12'56"	2,950	Sep 1, 1903 to Sep 30, 1986
02223300	Big Sandy Creek near Jeffersonville	32°48'15"	83°25'04"	31.0	Oct 1, 1958 to Sep 30, 1971
02223500	Oconee River at Dublin	32°32'40"	82°53'41"	4,400	Oct 1, 1897 to Sep 30, 1986
02224000	Rocky Creek near Dudley	32°29'38"	83°08'49"	62.9	Dec 1, 1951 to Sep 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 Jun 30, 1951
					Oct 1, 1970 to Sep 30, 1986
02225500	Ohoopee River near Reidsville	32°04'42"	82°10'39"	1,110	Jun 24, 1903 to Dec 31, 1907
					May 25, 1937 to Sep 30, 1986
02226000	Altamaha River at Doctortown	31°39'16"	81°49'41"	13,600	Oct 1, 1931 to Sep 30, 1986
02226100	Penholoway Creek near Jesup	31°34'00"	81°50'18"	210	Jul 1, 1958 to Sep 30, 1986
02226500	Satilla River near Waycross	31°14'17"	82°19'29"	1,200	Apr 1, 1937 to Sep 30, 1986
02226600	Burket Creek near Roper	31°47'42"	82°37'33"	7.10	Jul 1, 1956 to Sep 30, 1963
02226700	Whitehead Creek near Denton	31°44'00"	82°41'26"	28.0	Jul 1, 1956 to Sep 30, 1963
02226900	Hurricane Creek near Hazelhurst	31°40'58"	82°34'15"	102	Jul 1, 1956 to Sep 30, 1963
02227000	Hurricane Creek near Alma	31°34'00"	82°27'50"	139	Oct 1, 1951 to Sep 30, 1971
02227500	Little Satilla River near Offerman	31°27'04"	82°03'17"	646	Jan 27, 1951 to Sep 30, 1986
02228000	Satilla River at Atkinson	31°13'16"	81°52'03"	2,790	Mar 21, 1930 to Sep 30, 1986
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 Jun 30, 1930
					Aug 1, 1932 to Jun 30, 1934
					Oct 1, 1950 to Sep 30, 1986
02231000	St Marys River near Macclenny, FL	30°21'31"	82°04'54"	700	Oct 1, 1926 to Sep 30, 1986
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 Sep 30, 1983
					Oct 1, 1984 to Sep 30, 1986
02314500	Suwannee River at Fargo	30°40'50"	82°33'38"	1,260	Jan 28, 1927 to Dec 9, 1931
					Apr 20, 1937 to Sep 30, 1986
02316000	Alapaha River near Alapaha	31°23'03"	83°11'33"	663	Apr 26, 1937 to Sep 30, 1976
02317000	Alapaha River at Mayday	30°49'40"	83°01'05"	1,300	Oct 1, 1928 to Dec 9, 1931

Station no.	Station name	Latitude	Longitude	Drainage area (mi^2)	Period of record
02317500	Alapaha River at Statenville	30°42'14"	83°02'00"	1,400	Jan 28, 1921 to Jun 30, 1921
					Dec 10, 1931 to Sep 30, 1986
02317748	Withlacoochee River near Bemiss	30°57'24"	83°16'12"	501	Oct 13, 1976 to Dec 31, 1981
02317755	Withlacoochee River at U.S. 41 near Valdosta	30°53'33"	83°19'08"	537	Oct 20, 1976 to Sep 30, 1978
02317830	Little River near Lenox	31°15'15"	83°30'32"	208	May 1, 1967 to Sep 30, 1971
					Oct 1, 1976 to Sep 30, 1978
02318000	Little River near Adel	31°09'18"	83°32'38"	577	Jun 12, 1940 to Sep 30, 1971
02318500	Withlacoochee River near Quitman	30°47'35"	83°27'13"	1,480	Oct 1, 1928 to Dec 11, 1931
					Jun 9, 1937 to May 31, 1948
02318700	Okapilco Creek at State Route 33 near Quitman	30°49'32"	83°33'45"	269	Dec 21, 1979 to Sep 30, 1986
02327500	Ochlockonee River near Thomasville	30°52'32"	84°02'44"	550	Aug 11, 1937 to Jun 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 Jun 30, 1971
02330450	Chattahoochee River at Helen	34°42'03"	83°43'44"	44.6	May 5, 1981 to Sep 30, 1986
02331000	Chattahoochee River near Leaf	34°34'37"	83°38'09"	150	Feb 21, 1940 to Sep 30, 1971
02331500	Soque River near Demorest	34°34'23"	83°35'27"	156	Jul 16, 1904 to Jun 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 Sep 30, 1986
02332000	King Branch near Alto	34°27'05"	83°36'45"	0.42	May 1, 1944 to Sep 30, 1948
02333000	Chattahoochee River near Gainesville	34°19'17"	83°52'46"	559	Jun 26, 1901 to Sep 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	Jul 8, 1929 to Jan 31, 1932
					Apr 1, 1940 to Sep 30, 1986
02334430	Chattahoochee River at Buford Dam near Buford	34°09'25"	84°04'44"	1,040	Oct 1, 1971 to Sep 30, 1986
02334500	Chattahoochee River near Buford	34°07'34"	84°05'37"	1,060	Jan 27, 1942 to Sep 30, 1971
02334885	Suwanee Creek near Suwanee	34°01'56"	84°05'22"	46.8	Oct 1, 1984 to Sep 30, 1986
02335000	Chattahoochee River near Norcross	33°59'50"	84°12'07"	1,170	Jan 1, 1903 to Sep 30, 1946
					Oct 1, 1956 to Sep 30, 1986
02335450	Chattahoochee River at Eves Road above Roswell	33°59'09"	84°18'58"	1,220	Jul 7, 1976 to Sep 30, 1986
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 Sep 30, 1986
02335870	Sope Creek near Marietta	33°57'14"	84°26'36"	29.2	Oct 1, 1984 to Sep 30, 1986
02336000	Chattahoochee River at Atlanta	33°51'33"	84°27'16"	1,450	Aug 1, 1928 to Dec 31, 1931
					Oct 1, 1936 to Sep 30, 1986
02336300	Peachtree Creek at Atlanta	33°49'10"	84°24'28"	86.8	Jun 20, 1958 to Sep 30, 1986
02336380	Nancy Creek at Randall Mill Road at Atlanta	33°51'35"	84°25'28"	34.8	Oct 1, 1963 to Sep 30, 1964
02336490	Chattahoochee River at State Route 280 near Atlanta	33°49'01"	84°28'48"	1,600	Mar 3, 1981 to Sep 30, 1986
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 Sep 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 Sep 30, 1986

Station no.	Station name	Latitude	Longitude	Drainage area (mi^2)	Period of record
02337100	North Fork Camp Creek at Atlanta	33°39'40"	84°30'40"	5.25	Oct 1, 1963 to Sep 30, 1969
02337170	Chattahoochee River near Fairburn	33°39'24"	84°40'25"	2,060	Jul 16, 1965 to Sep 30, 1986
02337500	Snake Creek near Whitesburg	33°31'46"	84°55'42"	37.0	Sep 15, 1954 to Sep 30, 1986
02338000	Chattahoochee River near Whitesburg	33°28'37"	84°54'04"	2,430	Oct 1, 1938 to Jun 30, 1954
					Jan 1, 1965 to Sep 30, 1986
02338500	Chattahoochee River at Franklin	33°16'45"	85°06'00"	2,680	Jun 1, 1928 to Oct 31, 1931
					Oct 1, 1938 to Sep 30, 1939
					Oct 1, 1957 to Sep 30, 1959
02338660	New River near Corinth	33°14'07"	84°59'16"	127	Oct 1, 1978 to Sep 30, 1986
02338840	Yellowjacket Creek near Hogansville	33°08'22"	84°58'31"	91.0	Oct 1, 1978 to Sep 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 Sep 30, 1986
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 Sep 30, 1971
02341500	Chattahoochee River at Columbus	32°27'45"	84°59'52"	4,670	Aug 23, 1929 to Sep 30, 1986
02341800	Upatoi Creek near Columbus	32°24'48"	84°49'12"	342	Apr 1, 1968 to Sep 30, 1986
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	Jun 1, 1964 to Sep 30, 1965
02343200	Pataula Creek near Lumpkin	31°56'03"	84°48'12"	70.0	Jun 21, 1958 to Sep 30, 1971
02343260	Chattahoochee River at Fort Gaines	31°36'15"	85°03'19"	7,570	Oct 1, 1960 to Sep 30, 1962
02343500	Chattahoochee River at Columbia, Ala.	31°17'11"	85°05'45"	8,040	Jul 27, 1928 to Sep 30, 1960
02343801	Chattahoochee River at Andrews Lock and Dam at Columbia, Ala.	31°15'33"	85°06'37"	8,210	Oct 1, 1975 to Sep 30, 1986
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 Sep 30, 1970
02344300	Camp Creek near Fayetteville	33°31'00"	84°25'39"	17.2	Jun 1, 1960 to Sep 30, 1973
02344350	Flint River near Lovejoy	33°24'56"	84°23'05"	130	May 7, 1985 to Sep 30, 1986
02344500	Flint River near Griffin	33°14'39"	84°25'45"	272	Mar 1, 1937 to Sep 30, 1986
02344700	Line Creek near Senoia	33°19'10"	84°31'25"	101	Sep 1, 1964 to Sep 30, 1986
02345000	Flint River near Molena	32°59'21"	84°31'45"	990	Oct 1, 1945 to Jun 30, 1953
02345500	Flint River near Woodbury	32°57'59"	84°31'58"	1,090	Apr 1, 1900 to Sep 30, 1920
02346180	Flint River near Thomaston	32°50'20"	84°25'27"	1,220	May 21, 1966 to Sep 30, 1986
02346500	Potato Creek near Thomaston	32°54'15"	84°21'45"	186	Oct 1, 1937 to Jun 30, 1971
02347500	Flint River near Culloden	32°43'17"	84°13'57"	1,850	Jul 1, 1911 to May 31, 1923
					Jul 21, 1928 to Dec 31, 1931
					Mar 18, 1937 to Sep 30, 1986
02348500	Whitewater Creek near Butler	32°28'02"	84°15'59	80.0	Oct 1, 1943 to Sep 30, 1951
02349000	Whitewater Creek below Rambulette Creek near Butler	32°28'00"	84°15'58"	93.4	Oct 1, 1951 to Sep 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
					Jul 1, 1930 to Sep 30, 1986
02349900	Turkey Creek at Byromville	32°11'44"	83°54'03"	45.0	Jun 20, 1958 to Sep 30, 1986
02350000	Flint River near Vienna	32°03'38"	83°58'36"	3,390	Oct 1, 1926 to Sep 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
02350600	Kinchafoonee Creek at Preston	32°03'13"	84°32'53"	197	Oct 1, 1951 to Sep 30, 1977
02350900	Kinchafoonee Creek near Dawson	31°45'52"	84°15'12"	527	Mar 7, 1985 to Sep 30, 1986

Station no.	Station name	Latitude	Longitude	Drainage area (mi^2)	Period of record
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 Sep 30, 1986
02352500	Flint River at Albany	31°35'39"	84°08'39"	5,310	Oct 1, 1901 to Jun 30, 1921
					Oct 1, 1929 to Sep 30, 1986
02353000	Flint River at Newton	31°18'34"	83°20'06"	5,740	Apr 1, 1938 to Sep 30, 1945
					Oct 1, 1946 to Sep 30, 1947
					Jan 1, 1949 to Sep 30, 1950
					Oct 1, 1956 to Sep 30, 1986
02353400	Pachitla near Edison	31°33'17"	84°40'43"	188	Jun 9, 1959 to Sep 30, 1971
02353500	Ichawaynochaway Creek at Milford	31°22'58"	84°32'52"	620	Sep 1, 1905 to Dec 31, 1907
					Oct 1, 1939 to Sep 30, 1986
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 Sep 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 Sep 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	Jun 11, 1937 to Apr 30, 1971
					Dec 20, 1976 to Sep 30, 1978
					Jun 7, 1982 to Sep 30, 1986
02379000	Cartecay River near Cartecay	34°38'19"	84°24'32"	86.4	Jul 1, 1904 to Dec 31, 1905
					Dec 12, 1918 to Jun 30, 1921
02379500	Cartecay River near Ellijay	34°40'53"	84°27'20"	134	Mar 17, 1937 to Sep 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 Jun 30, 1921
					Feb 26, 1953 to Sep 30, 1969
02380500	Coosawattee River near Ellijay	34°40'18"	84°30'31"	236	Oct 1, 1938 to Dec 31, 1949
					Jun 1, 1963 to Sep 30, 1986
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	Sep 12, 1925 to Dec 10, 1931
					Oct 1, 1961 to Sep 30, 1964
02381600	Fausett Creek near Talking Rock	34°34'17"	84°27'55"	9.99	Oct 1, 1974 to Sep 30, 1986
02382000	Scarecorn Creek at Hinton	34°28'04"	84°35'30"	21.3	Apr 1, 1939 to Dec 31, 1942
					May 1, 1959 to Sep 30, 1974
02382200	Talking Rock Creek near Hinton	34°31'22"	84°36'40"	119	Nov 1, 1973 to Sep 30, 1986
02382300	Talking Rock Creek near Carters	34°35'20"	84°40'05"	142	Oct 1, 1963 to Sep 30, 1971
02382500	Coosawattee River at Carters	34°36'13"	84°41'44"	521	Sep 1, 1896 to Dec 1, 1908
					Dec 21, 1918 to Sep 30, 1923
					Oct 1, 1961 to Sep 7, 1972
					Oct 1, 1974 to Sep 30, 1986
02383000	Rock Creek near Fairmount	34°21'32"	84°46'46"	6.17	Oct 1, 1951 to Sep 30, 1974
02383500	Coosawattee River near Pine Chapel	34°33'51"	84°49'59"	831	Nov 11, 1938 to Sep 30, 1986
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 Sep 30, 1986
02384540	Mill Creek near Crandall	34°52'19"	84°43'17"	8.27	Jan 30, 1985 to Sep 30, 1986
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 Sep 30, 1959

Station no.	Station name	Latitude	Longitude	Drainage area (mi^2)	Period of record
02385800	Holly Creek near Chatsworth	34°43'00"	84°46'12"	64.0	Jun 1, 1960 to Sep 30, 1986
02386000	Rock Crek at Ramhurst	34°42'42"	84°44'03"	16.5	Apr 1, 1939 to Jun 30, 1940
02386500	Drowning Bear Creek near Dalton	34°43'30"	84°56'12"	13.9	Apr 1, 1939 to Jun 30, 1940
02387000	Conasauga River at Tilton	34°40'00"	84°55'42"	687	Jun 5, 1937 to Sep 30, 1986
02387500	Oostanaula River at Resaca	34°34'42"	84°56'29"	1,600	Nov 1, 1892 to Sep 30, 1986
02388000	West Armurchee Creek near Subligna	34°34'04"	85°09'16"	36.4	Apr 1, 1939 to Jun 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 Sep 30, 1986
02388320	Heath Creek below Rocky Mountain Damsite near Armuchee	34°22'18"	85°15'50"	16.6	Mar 2, 1982 to Sep 30, 1986
02388500	Oostanaula River at Rome	34°18'02"	85°08'30"	2,120	Oct 1, 1939 to Sep 30, 1986
02389000	Etowah River near Dawsonville	34°22'57"	84°03'21"	107	Mar 20, 1940 to Sep 30, 1976
02389300	Shoal Creek near Dawsonville	34°25'13"	84°08'47"	21.7	Jun 1, 1958 to Sep 30, 1974
02389500	East Amicalola Creek at Juno	34°28'28"	84°11'55"	28.5	Apr 1, 1939 to Sep 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 Sep 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 Sep 30, 1921
02391500	Sharp Mountain Creek near Ballground	34°20'14"	84°24'19"	63.8	Apr 1, 1939 to Jun 30, 1940
02392000	Etowah River at Canton	34°14'23"	84°29'47"	613	Oct 1, 1896 to Sep 30, 1905
					Oct 1, 1936 to Sep 30, 1986
02392500	Little River near Roswell	34°07'09"	84°23'18"	60.0	Jan 1, 1947 to Sep 30, 1976
02394000	Etowah River at Allatoona Dam at Cartersville	34°09'47"	84°44'28"	1,120	Sep 1, 1938 to Sep 30, 1986
02394950	Hills Creek near Taylorsville	34°04'27"	84°57'02"	25.0	May 21, 1959 to Sep 30, 1974
02395000	Etowah River near Kingston	34°12'24"	84°58'44"	1,630	Jul 18, 1928 to Dec 31, 1931
					Oct 1, 1936 to Sep 30, 1986
02395120	Two Run Creek near Kingston	34°14'34"	84°53'23"	33.1	May 2, 1980 to Sep 30, 1986
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 Jun 30, 1921
					Oct 1, 1938 to Sep 30, 1986
02397000	Coosa River near Rome	34°12'01"	85°15'24"	4,040	Oct 1, 1896 to Dec 31, 1903
					Jun 21, 1928 to Dec 31, 1931
					Mar 10, 1937 to Dec 31, 1958
					Oct 1, 1962 to Sep 30, 1986
02397410	Cedar Creek at Cedartown	33°59'45"	85°15'53"	66.9	May 4, 1981 to Sep 30, 1986
02397500	Cedar Creek near Cedartown	34°03'38"	85°18'41"	115	Oct 1, 1942 to Sep 30, 1973
02397830	Harrisburg Creek near Hawkins	34°36'02"	85°23'21"	13.3	Oct 1, 1979 to Sep 30, 1982
02398000	Chattooga River at Summerville	34°28'03"	85°20'19"	193	Mar 11, 1937 to Sep 30, 1986
02411800	Little River near Buchanan	33°47'50"	85°07'05"	20.2	Jun 1, 1959 to Sep 30, 1985
02413000	Little Tallapoosa River at Carrollton	33°35'50"	85°04'49"	95.1	Apr 1, 1937 to Sep 30, 1955
03544947	Brier Creek near Hiawassee	34°50'05"	83°42'34"	1.70	May 25, 1984 to Sep 30, 1986
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 Sep 30, 1945
03550500	Nottley 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 Sep 30, 1945
03551500	Youngcane Creek near Youngcane	34°52'41"	84°03'57"	27.6	Jan 21, 1942 to Sep 30, 1945
03552000	Ivylog Creek near Ivylog	34°56'26"	84°01'27"	16.7	Feb 14, 1942 to Sep 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	Jul 1, 1942 to Sep 30, 1975

Station no.	Station name	Latitude	Longitude	Drainage area (mi^2)	Period of record
03558000	Toccoa River near Dial	34°47'24"	84°14'24"	177	Jan 1, 1913 to Sep 30, 1986
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 Sep 30, 1971
03568500	Chattanooga Creek near Flintstone	34°58'20"	85°19'40"	50.6	Jan 1, 1951 to Sep 30, 1974
03568933	Lookout Creek near New England	34°53'51"	85°27'47"	149	Aug 30, 1979 to Sep 30, 1986
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

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). Water levels for periods of missing record, Apr. 11 to May 20, and June 3 to Sept. 4, were estimated.
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, 71.60 ft below land surface datum, July 27, 1981.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	68.01	67.52	67.47	66.62	65.72	64.09	63.87	65.36	67.29	68.51	69.31	69.37
2	67.98	67.58	67.52	66.65	65.69	64.12	63.81	65.42	67.36	68.55	69.35	69.36
3	68.00	67.60	67.62	66.62	65.59	64.03	63.91	65.48	67.42	68.55	69.43	69.34
4	68.00	67.63	67.62	66.52	65.52	63.93	64.04	65.55	67.46	68.66	69.48	69.33
5	67.97	67.66	67.54	66.54	65.47	63.92	64.10	65.61	67.50	68.77	69.49	69.25
6	68.05	67.70	67.51	66.59	65.38	63.84	64.13	65.67	67.53	68.85	69.50	69.21
7	68.08	67.74	67.57	66.54	65.42	63.83	64.06	65.73	67.57	68.85	69.50	69.26
8	68.15	67.81	67.54	66.68	65.44	63.94	63.96	65.79	67.60	68.85	69.50	69.32
9	68.18	67.86	67.54	66.61	65.39	63.97	64.01	65.86	67.64	68.86	69.53	69.35
10	68.05	67.82	67.55	66.29	65.22	63.82	64.10	65.92	67.69	68.95	69.55	69.35
11	68.01	67.80	67.46	66.22	65.13	63.71	64.13	65.98	67.73	69.02	69.56	69.29
12	68.04	67.75	67.26	66.23	65.24	63.71	64.17	66.04	67.76	69.12	69.55	69.23
13	68.06	67.75	67.14	66.13	65.27	63.64	64.21	66.10	67.80	69.24	69.51	69.22
14	68.05	67.72	67.24	66.12	65.15	63.48	64.30	66.16	67.84	69.31	69.47	69.30
15	68.04	67.72	67.42	66.18	65.08	63.58	64.36	66.23	67.88	69.29	69.44	69.32
16	68.07	67.70	67.35	66.23	65.09	63.61	64.42	66.29	67.92	69.31	69.39	69.29
17	68.12	67.71	67.30	66.15	64.94	63.69	64.48	66.35	67.96	69.36	69.36	69.29
18	68.15	67.72	67.26	65.94	64.78	63.75	64.54	66.42	68.00	69.37	69.34	69.31
19	68.10	67.72	67.25	65.70	64.66	63.68	64.61	66.47	68.04	69.34	69.37	69.31
20	68.06	67.64	67.19	65.73	64.62	63.72	64.67	66.53	68.07	69.31	69.42	69.29
21	68.01	67.42	67.13	65.82	64.57	63.86	64.73	66.57	68.11	69.39	69.52	69.26
22	67.98	67.41	67.06	65.79	64.50	64.00	64.79	66.58	68.15	69.51	69.56	69.19
23	68.00	67.59	66.89	65.73	64.42	64.04	64.86	66.66	68.19	69.53	69.51	69.15
24	68.01	67.64	66.74	65.78	64.41	64.03	64.92	66.76	68.23	69.49	69.43	69.14
25	67.97	67.65	66.88	65.66	64.38	64.05	64.98	66.80	68.28	69.44	69.48	69.22
26	67.89	67.63	67.08	65.47	64.18	63.95	65.04	66.83	68.32	69.42	69.53	69.25
27	67.84	67.60	67.00	65.50	63.95	63.85	65.11	66.95	68.36	69.38	69.49	69.23
28	67.78	67.53	66.86	65.66	64.04	63.85	65.17	67.07	68.40	69.33	69.42	69.24
29	67.72	67.52	66.76	65.58	---	63.91	65.23	67.15	68.44	69.31	69.47	69.28
30	67.64	67.51	66.80	65.60	---	63.91	65.30	67.19	68.45	69.28	69.46	69.33
31	67.54	---	66.69	65.69	---	63.89	---	67.25	---	69.29	69.42	---
MEAN	67.99	67.66	67.23	66.08	64.97	63.85	64.47	66.28	67.90	69.14	69.46	69.28

WTR YR 1986 MEAN 67.04 HIGH 63.48 LOW 69.56

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. Water levels for periods of missing record, Aug. 24 and Sept. 19-23, were estimated.
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.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	8.98	6.50	7.02	7.19	4.43	4.75	6.69	9.00	10.11	10.68	3.89
2	9.34	---	6.55	7.15	7.17	4.42	4.80	6.78	9.04	10.15	10.72	3.98
3	9.38	---	6.56	7.20	7.14	4.43	4.89	6.91	9.10	10.19	10.76	4.12
4	9.41	---	6.50	7.07	7.15	4.48	4.97	7.06	9.15	10.23	10.67	4.25
5	9.35	8.55	6.46	7.11	7.16	4.54	5.02	7.16	9.19	10.27	10.08	4.37
6	9.28	8.57	6.50	---	6.88	4.57	5.08	7.25	9.22	10.30	9.89	4.50
7	9.30	8.59	6.60	---	5.75	4.64	5.12	7.35	9.26	10.34	9.82	4.62
8	9.34	8.62	6.64	---	5.10	4.73	5.09	7.43	9.31	10.37	9.80	4.76
9	9.36	8.67	6.72	---	4.80	4.76	5.09	7.56	9.35	10.41	9.58	4.87
10	---	8.71	6.81	---	4.47	4.78	5.16	7.72	9.36	10.43	8.79	4.98
11	---	8.73	6.84	---	3.54	4.83	5.21	7.80	9.34	10.47	8.53	5.08
12	---	8.76	6.85	---	3.32	4.89	5.28	7.85	9.35	10.50	7.71	5.16
13	---	8.77	6.79	---	3.41	4.92	5.34	7.93	9.40	10.54	6.01	5.26
14	---	8.76	6.61	---	3.48	4.31	5.41	7.98	9.44	10.56	3.78	5.36
15	---	8.71	6.33	---	3.57	3.90	5.45	8.06	9.48	10.58	3.82	5.47
16	---	8.69	6.35	---	3.68	3.84	5.50	8.12	9.52	10.61	4.03	5.58
17	---	8.70	6.42	---	3.75	3.87	5.58	8.17	9.54	10.65	4.26	5.67
18	9.48	8.70	6.50	---	3.81	3.92	5.66	8.24	9.58	10.69	4.43	5.75
19	9.52	---	6.66	---	3.89	3.96	5.72	8.31	9.60	10.72	4.41	5.76
20	9.53	---	6.85	---	3.98	4.03	5.75	8.37	9.64	10.75	3.93	5.77
21	9.54	---	6.89	---	4.06	3.99	5.79	8.41	9.68	10.79	4.03	5.79
22	9.56	7.56	7.03	---	4.12	4.03	5.91	8.46	9.72	10.81	4.23	5.80
23	9.58	6.71	7.13	---	4.16	4.10	6.01	8.53	9.75	10.83	4.35	5.81
24	9.60	6.23	7.21	---	4.18	4.18	6.07	8.58	9.79	10.85	4.38	5.82
25	9.55	6.08	7.34	---	4.25	4.26	6.12	8.63	9.83	10.88	4.40	5.91
26	9.57	6.06	7.48	---	4.30	4.31	6.20	8.70	9.89	10.86	4.52	6.02
27	9.60	6.10	7.41	---	4.35	4.37	6.30	8.74	9.96	10.61	4.66	6.11
28	9.62	6.20	7.28	7.17	4.40	4.46	6.37	8.80	10.00	10.57	4.42	6.24
29	9.60	6.30	7.13	7.10	---	4.54	6.48	8.86	10.03	10.57	3.43	6.37
30	9.54	6.41	7.18	7.11	---	4.60	6.60	8.91	10.07	10.59	3.60	6.47
31	9.31	---	7.03	7.18	---	4.68	---	8.95	---	10.63	3.78	---
MEAN	9.47	7.84	6.81	7.12	4.75	4.38	5.56	8.01	9.52	10.54	6.37	5.32

WTR YR 1986 MEAN 7.09 HIGH 3.32 LOW 10.88

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.--Water levels for period of missing record, Jan. 27 to Feb. 24, Mar. 1-13, May 5-26, and Sept. 1-24, 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, 54.45 ft below land-surface datum, July 23, 1986.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	49.13	47.96	47.55	47.42	47.97	46.37	46.80	49.18	51.66	52.71	54.11	53.49
2	49.13	48.07	47.60	47.33	47.92	46.49	46.80	49.44	51.63	52.86	54.18	53.42
3	49.11	48.04	47.73	47.23	47.75	46.38	46.93	49.62	51.64	52.96	54.30	53.36
4	49.11	48.03	47.73	47.19	47.64	46.33	47.12	49.76	51.64	53.16	54.34	53.29
5	49.00	48.03	47.58	47.16	47.40	46.44	47.24	49.94	51.56	53.37	54.27	53.19
6	49.05	48.04	47.64	47.28	47.25	46.27	47.30	50.03	51.41	53.37	54.26	53.16
7	49.12	48.04	47.72	47.25	47.28	46.42	47.35	50.12	51.30	53.37	54.24	53.17
8	49.11	48.23	47.66	47.36	47.12	46.41	47.10	49.60	51.37	53.37	54.22	53.18
9	49.09	48.21	47.66	47.42	47.07	46.45	47.10	49.14	51.74	53.37	54.24	53.17
10	48.95	48.14	47.66	47.16	46.96	46.50	47.16	49.12	51.66	53.64	54.24	53.00
11	48.89	48.12	47.60	47.08	46.65	46.53	47.17	49.32	51.65	53.76	54.25	53.03
12	48.85	48.26	47.46	47.16	47.13	46.54	47.20	49.37	51.62	53.82	54.27	52.94
13	48.81	47.99	47.34	47.10	47.36	46.48	47.26	49.09	51.60	53.83	54.18	52.95
14	48.76	48.01	47.45	47.18	47.26	46.36	47.35	49.04	51.68	53.84	54.09	53.00
15	48.74	48.03	47.64	47.38	47.14	46.36	47.39	48.67	51.80	53.84	54.02	52.96
16	48.74	48.02	47.66	47.44	47.06	46.36	47.38	49.51	51.78	53.84	53.95	52.88
17	48.82	48.12	47.69	47.36	46.93	46.39	47.44	49.86	51.68	53.86	53.94	52.87
18	48.79	48.16	47.74	47.20	46.85	46.42	47.54	49.67	51.50	53.96	53.94	52.84
19	48.73	48.20	47.82	46.98	46.70	46.43	47.76	49.63	51.45	54.05	53.94	52.80
20	48.69	48.16	47.78	47.07	46.70	46.46	47.66	49.58	51.42	54.10	53.95	52.76
21	48.67	48.02	47.86	47.14	46.65	46.48	47.61	49.75	51.38	54.20	54.02	52.70
22	48.68	47.76	47.88	47.10	46.61	46.60	47.78	50.09	51.42	54.38	54.01	52.64
23	48.68	47.94	47.80	47.00	46.44	46.66	47.91	50.56	51.49	54.45	53.93	52.58
24	48.66	47.92	47.70	46.96	46.37	46.60	48.02	50.92	51.56	54.33	53.87	52.52
25	48.64	47.90	47.78	46.86	46.34	46.75	48.03	51.16	51.58	54.24	53.90	52.56
26	48.55	47.84	47.97	46.52	46.22	46.70	48.10	51.40	51.73	54.27	53.93	52.61
27	48.49	47.71	47.98	47.16	46.13	46.60	48.28	51.70	51.92	54.22	53.90	52.58
28	48.42	47.66	47.84	47.80	46.28	46.58	48.54	51.86	52.06	54.14	53.85	52.63
29	48.35	47.65	47.59	48.00	---	46.74	48.76	51.96	52.18	54.11	53.80	52.69
30	48.16	47.63	47.62	48.00	---	46.75	49.02	51.87	52.43	54.13	53.66	52.67
31	48.03	---	47.48	48.02	---	46.76	---	51.76	---	54.14	53.61	---
MEAN	48.77	48.00	47.68	47.27	46.97	46.50	47.57	50.09	51.65	53.80	54.05	52.92

WTR YR 1986 MEAN 49.62 HIGH 46.13 LOW 54.45

320122080510204 Local number, 39Q003.
LOCATION.--Lat 32°01'22", long 80°51'02", 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. Water levels for periods of missing record, Jan. 15-24, Apr. 25-30, May 1-12, and June 14-25, were estimated.
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, 34.33 ft below land-surface datum, Aug. 3, 1986.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	28.36	27.70	27.46	27.56	27.66	26.72	26.90	28.83	31.54	32.48	33.96	32.76
2	28.36	27.92	27.88	27.55	27.63	26.95	26.94	29.21	31.69	32.67	34.00	32.53
3	28.48	27.78	27.70	27.80	27.45	26.98	27.08	29.34	31.27	32.63	34.33	32.59
4	28.62	28.13	27.66	27.64	27.27	26.35	27.24	29.66	31.12	32.43	34.31	32.44
5	28.58	28.12	27.59	27.43	27.16	26.89	27.40	29.91	31.17	32.66	34.10	32.34
6	28.29	27.96	27.48	27.61	27.14	26.90	27.59	30.10	31.32	32.74	34.08	32.25
7	28.26	28.00	27.53	27.44	27.36	26.98	27.55	30.21	31.70	32.88	33.98	32.41
8	28.01	28.18	27.58	26.96	27.20	26.91	27.08	30.16	31.93	32.97	34.14	32.35
9	28.13	28.00	27.86	27.25	27.02	27.16	27.16	29.94	31.99	33.09	34.31	32.39
10	28.12	28.04	27.78	27.50	26.90	27.02	27.06	30.12	31.83	33.14	34.32	32.46
11	28.29	28.00	27.70	27.47	27.12	27.09	27.18	30.27	31.94	33.04	34.20	32.56
12	28.21	28.01	27.98	27.42	27.31	26.99	27.38	30.32	32.04	33.21	33.90	32.61
13	28.08	28.02	27.80	27.50	27.40	26.92	27.32	30.45	32.04	33.41	33.71	32.68
14	28.08	28.00	27.62	27.50	27.21	26.78	27.16	30.44	31.99	33.40	33.74	32.35
15	28.21	27.96	27.80	27.51	27.24	26.86	27.02	30.74	31.93	33.29	33.73	32.28
16	28.21	27.92	27.70	27.59	27.06	26.83	27.42	30.77	31.96	33.34	33.53	32.22
17	28.20	28.05	27.75	27.57	26.90	26.90	27.57	30.96	31.96	33.38	33.63	31.93
18	27.99	28.02	27.87	27.39	26.81	26.84	27.55	30.99	31.69	33.42	33.74	32.14
19	28.17	27.94	27.78	27.17	26.74	26.84	27.44	30.78	31.47	33.42	33.59	32.32
20	28.30	28.02	27.68	27.30	26.62	26.96	27.49	30.63	31.48	33.28	33.49	32.63
21	28.28	27.93	27.58	27.26	26.46	26.76	27.28	30.70	31.36	33.40	33.61	32.69
22	28.20	27.85	27.65	26.98	26.70	26.90	27.43	30.78	31.41	33.42	33.70	32.53
23	28.23	28.10	28.46	26.86	26.56	27.05	27.58	30.99	31.62	33.58	33.55	32.40
24	28.24	27.62	28.15	26.75	26.56	27.05	27.48	31.34	31.78	33.70	33.44	32.50
25	28.20	27.74	28.02	26.67	26.58	27.10	27.57	31.44	31.80	33.58	33.03	32.71
26	27.96	27.78	27.67	26.70	26.51	27.04	27.65	31.38	31.83	33.66	33.31	32.94
27	27.78	27.86	27.78	27.72	26.84	26.94	27.89	31.39	32.07	33.79	33.47	32.97
28	27.88	27.78	27.62	28.44	26.78	27.00	28.22	31.45	32.20	33.82	33.45	32.87
29	27.63	27.74	27.70	28.12	---	26.90	28.34	31.47	32.35	33.84	32.81	32.64
30	27.50	27.68	27.42	27.69	---	27.04	28.59	31.25	32.42	33.85	32.92	32.67
31	27.58	---	27.81	27.71	---	27.06	---	31.45	---	33.87	32.97	---
MEAN	28.14	27.93	27.74	27.42	27.01	26.93	27.45	30.56	31.76	33.27	33.71	32.51

WTR YR 1986 MEAN 29.55 HIGH 26.35 LOW 34.33

CHATHAM COUNTY

320202080541201 Local number, 38Q002.
LOCATION.--Lat 32°02'02", long 80°54'12", 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. Water levels for period of missing record, Nov. 5 to Dec. 15, were estimated.
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, 38.48 ft below land-surface datum, Aug. 4, 1986.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	34.28	33.54	33.30	33.35	33.29	32.38	32.56	33.96	35.78	36.47	38.15	37.13
2	34.31	33.72	33.73	33.18	33.24	32.44	32.47	34.26	35.86	36.61	38.25	37.00
3	34.40	33.64	33.55	33.27	33.10	32.48	32.58	34.30	35.59	36.63	38.45	37.02
4	34.53	33.86	33.52	33.22	32.99	32.37	32.74	34.54	35.60	36.50	38.48	36.92
5	34.44	33.85	33.45	33.14	32.89	32.43	32.85	34.70	35.50	36.77	38.33	36.81
6	34.22	33.70	33.35	33.27	32.84	32.40	32.96	34.81	35.46	36.96	38.29	36.73
7	34.22	33.74	33.40	33.22	32.88	32.49	33.02	34.84	35.64	37.01	38.27	36.73
8	34.05	33.93	33.45	33.05	32.80	32.41	32.75	34.70	35.81	37.05	38.28	36.82
9	34.10	33.75	33.74	33.20	32.68	32.52	32.86	34.40	35.87	37.11	38.32	36.83
10	34.04	33.80	33.66	33.00	32.56	32.54	32.80	34.49	35.82	37.23	38.34	36.87
11	34.15	33.76	33.59	32.61	32.67	32.51	32.87	34.56	35.88	37.21	38.36	36.93
12	34.02	33.77	33.87	32.86	32.90	32.52	32.92	34.62	35.97	37.28	38.30	36.93
13	33.89	33.79	33.70	33.03	33.01	32.44	32.88	34.57	36.10	37.45	38.20	36.83
14	33.86	33.77	33.52	33.02	32.85	32.35	33.00	34.69	36.04	37.45	38.14	36.66
15	33.99	33.74	33.22	33.05	32.80	32.43	32.94	34.73	35.98	37.34	37.96	36.68
16	34.02	33.70	33.26	33.16	32.68	32.43	33.06	34.81	36.00	37.32	37.74	36.64
17	34.06	33.84	33.34	33.16	32.60	32.46	33.14	34.88	36.00	37.33	37.75	36.41
18	33.95	33.81	33.44	33.00	32.50	32.41	33.15	34.94	35.72	37.35	37.81	36.53
19	34.05	33.73	33.38	32.80	32.38	32.41	33.05	35.02	35.50	37.31	37.72	36.69
20	34.15	33.82	33.38	32.96	32.33	32.48	33.10	34.97	35.50	37.23	37.70	36.79
21	34.14	33.73	33.50	32.94	32.38	32.38	33.12	34.78	35.38	37.39	37.87	36.88
22	34.10	33.66	33.36	32.68	32.34	32.52	33.22	34.80	35.42	37.57	37.91	36.83
23	34.14	33.91	33.31	32.58	32.22	32.58	33.20	34.90	35.63	37.69	37.74	36.74
24	34.13	33.43	33.22	32.50	32.14	32.58	33.20	35.11	35.78	37.75	37.65	36.84
25	34.03	33.56	33.28	32.44	32.18	32.53	33.21	35.18	35.80	37.79	37.54	37.03
26	33.64	33.60	33.65	32.36	32.13	32.41	33.20	35.31	35.82	37.94	37.66	36.98
27	33.65	33.69	33.68	32.84	32.28	32.28	33.36	35.51	35.97	38.03	37.76	37.07
28	33.74	33.61	33.59	33.12	32.30	32.28	33.60	35.58	36.11	38.06	37.79	36.99
29	33.54	33.58	33.33	33.10	---	32.48	33.64	35.73	36.25	38.09	37.37	36.93
30	33.39	33.52	33.44	33.21	---	32.52	33.80	35.76	36.39	38.10	37.32	37.05
31	33.46	---	33.34	33.27	---	32.53	---	35.81	---	38.08	37.32	---
MEAN	34.02	33.72	33.47	32.99	32.64	32.45	33.04	34.88	35.81	37.36	37.96	36.84

WTR YR 1986 MEAN 34.61 HIGH 32.13 LOW 38.48

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.
REMARKS.--Water levels for period of missing record, Jan. 28 to Feb. 24, were estimated.
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.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	114.94	112.25	109.99	105.74	111.90	107.76	106.49	114.09	113.34	119.65	120.56	118.74
2	115.06	111.86	110.70	106.18	110.42	107.28	108.18	113.88	114.04	120.00	119.67	118.12
3	115.22	111.26	111.94	107.62	109.98	106.45	108.83	113.40	114.68	118.18	119.11	118.00
4	115.44	111.08	112.81	107.99	110.06	107.46	108.79	112.24	114.32	116.52	119.13	117.88
5	115.04	111.49	113.20	108.66	109.76	107.38	108.16	112.30	114.06	115.52	119.34	117.59
6	114.54	111.76	113.05	110.30	108.94	107.52	107.09	113.54	114.06	114.78	119.62	116.93
7	114.28	111.60	112.66	111.24	108.65	107.58	107.54	114.73	113.31	115.75	119.90	115.82
8	114.46	112.02	111.79	111.86	107.65	106.64	108.24	114.81	112.94	117.89	119.92	115.50
9	114.50	111.81	111.36	111.98	106.46	105.62	108.25	114.79	113.58	119.14	119.62	115.80
10	114.68	111.15	110.86	112.64	106.47	105.39	108.32	114.24	114.57	119.81	119.42	116.02
11	114.77	111.07	110.42	112.94	106.46	106.62	108.36	113.58	115.47	120.22	119.90	116.66
12	114.10	111.54	110.82	112.78	106.27	107.12	107.36	114.02	115.31	119.70	121.12	116.55
13	113.60	111.60	110.84	112.44	106.44	107.19	106.25	114.22	115.01	117.44	121.38	116.28
14	113.26	111.97	110.80	113.02	106.16	107.20	107.11	114.80	114.71	117.36	122.04	116.79
15	114.08	112.15	111.50	112.86	104.54	106.32	108.50	115.73	113.88	118.72	120.51	116.76
16	114.84	111.21	111.73	112.46	102.90	105.53	109.20	116.11	113.53	118.98	118.98	117.59
17	114.64	110.28	111.98	112.23	102.36	104.84	110.45	116.10	114.14	118.70	117.68	118.55
18	114.26	110.60	112.35	111.23	102.00	105.99	110.80	115.10	114.53	120.08	118.13	117.90
19	113.65	110.01	112.84	109.70	101.98	107.72	110.49	115.82	115.40	119.61	119.44	117.27
20	112.61	109.50	112.85	109.56	104.27	108.28	109.52	116.58	115.84	118.96	119.74	116.64
21	112.76	110.00	113.55	110.55	107.72	107.72	109.58	116.54	115.05	119.49	119.92	115.46
22	113.16	110.74	113.00	110.82	107.18	107.66	110.74	116.77	114.33	120.60	120.49	115.69
23	113.45	111.17	109.00	111.09	105.36	107.10	111.68	117.00	114.94	120.85	119.62	116.70
24	113.60	110.72	103.40	111.24	105.73	106.84	112.04	115.88	115.92	121.08	118.35	117.42
25	113.18	110.98	99.30	110.94	107.20	107.30	112.16	114.50	117.32	120.57	118.82	118.79
26	112.80	111.34	99.35	110.05	107.50	106.68	111.98	113.82	118.41	119.58	120.18	120.05
27	112.26	111.70	101.02	110.38	108.22	107.10	111.16	114.88	118.57	118.59	120.66	119.20
28	111.74	111.74	103.06	112.74	108.75	107.25	112.08	115.69	117.81	118.71	120.38	118.30
29	112.13	110.91	104.18	114.06	---	105.67	113.20	115.79	117.17	119.82	120.83	117.11
30	112.15	110.40	105.34	113.43	---	104.50	113.68	115.25	117.72	120.53	120.24	118.02
31	112.21	---	106.10	112.17	---	104.94	---	114.25	---	121.22	119.42	---
MEAN	113.79	111.20	109.41	111.00	106.83	106.73	109.54	114.85	115.13	118.97	119.81	117.27

WTR YR 1986 MEAN 112.92 HIGH 99.30 LOW 122.04

CLAY COUNTY

313637085032601 Local number, 05L001.
LOCATION.--Lat 31°36'37", long 85°03'26", Hydrologic Unit 03130004, between Chattahoochee River and Ft. Gaines water-plant.
Owner: U.S. Army Corps of Engineers.
AQUIFER.--Clayton Limestone.
WELL CHARACTERISTICS.--Drilled observation well, diameter 3 in., depth 120 ft, cased to 44 ft, open hole.
INSTRUMENTATION.--Water-level recorder.
DATUM.--Elevation of land-surface is 146.7 ft above National Geodetic Vertical Datum of 1929.
Measuring point: Top of floor of recorder shelter, 2.7 ft above land-surface datum.
REMARKS.--Water level affected by changing river stage at Walter F. George Lock and Dam.
PERIOD OF RECORD.--May 23, 1957 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 18.86 ft below land-surface datum, Feb. 17, 1966; lowest, 35.95 ft below land-surface datum, Feb. 14, 1961.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	32.83	---	---	32.03	32.79	32.00	31.26	31.53	32.39	32.21	32.91	33.51
2	---	---	---	32.28	32.90	32.37	31.22	31.61	32.12	32.11	33.15	33.44
3	---	---	---	32.11	32.51	32.35	31.21	31.97	32.04	32.05	33.27	33.41
4	---	32.87	---	32.65	32.31	32.36	30.98	32.19	32.01	32.11	33.16	33.39
5	---	32.81	---	32.85	32.23	32.34	31.52	31.86	31.99	32.59	33.12	33.38
6	---	32.82	---	32.37	32.17	32.34	31.72	31.63	31.97	32.83	33.14	33.50
7	32.80	32.88	---	32.31	32.01	32.34	31.24	31.60	32.30	32.60	33.15	33.59
8	32.75	32.97	---	32.31	32.12	32.42	31.22	31.56	32.45	32.50	33.17	33.60
9	32.77	33.00	---	32.28	32.53	32.32	31.24	31.54	32.24	32.34	33.37	33.59
10	32.71	33.11	---	32.10	31.97	32.28	31.42	31.97	32.15	32.31	33.46	33.59
11	32.57	32.94	---	32.61	31.91	32.12	31.46	32.14	32.13	32.36	33.31	33.60
12	32.70	32.90	---	32.71	31.93	32.16	31.63	31.83	32.13	32.76	33.26	33.60
13	32.87	32.76	---	32.46	31.76	31.99	31.71	31.69	32.14	32.96	33.27	33.60
14	32.95	32.88	30.88	32.40	31.63	28.96	31.56	31.71	32.45	32.81	33.31	33.66
15	32.93	32.78	31.99	32.43	32.26	27.94	31.47	31.72	32.61	32.70	33.30	33.68
16	32.93	32.95	32.21	32.47	32.41	29.78	31.40	31.73	32.37	32.71	33.41	33.62
17	32.71	33.10	32.25	32.41	31.76	30.77	31.41	32.03	32.30	32.73	33.52	33.62
18	32.69	33.14	32.28	32.69	31.58	31.09	31.42	32.19	32.27	32.76	33.40	33.62
19	32.83	33.12	32.33	32.79	31.53	31.22	31.72	31.96	32.28	33.00	33.34	33.62
20	33.02	---	32.30	32.45	31.53	30.73	31.81	31.83	32.25	33.15	33.38	33.62
21	32.76	---	32.71	32.36	31.51	28.06	31.60	31.87	32.55	32.85	33.40	33.64
22	32.95	---	32.78	32.20	32.10	29.15	31.55	31.90	32.71	32.68	33.39	33.64
23	32.93	---	32.38	32.19	32.44	29.57	31.50	31.89	32.49	32.67	33.54	33.61
24	32.87	---	32.28	32.15	31.63	30.46	31.62	32.18	32.39	32.63	33.63	33.61
25	32.86	---	32.37	32.64	31.42	30.75	31.56	32.35	32.39	32.63	33.56	33.61
26	32.89	---	32.40	32.79	31.29	30.79	31.85	32.11	32.42	32.99	33.49	33.61
27	33.04	---	32.39	32.31	31.55	30.77	32.04	32.02	32.43	33.15	33.45	33.63
28	33.02	---	32.75	32.18	31.48	31.26	31.88	32.00	32.65	32.86	33.44	33.75
29	32.99	---	32.87	32.10	---	31.60	31.70	32.00	32.84	32.75	33.45	33.75
30	32.98	---	32.52	32.32	---	31.38	31.64	32.00	32.60	32.84	33.60	33.66
31	---	---	32.35	32.42	---	31.19	---	32.25	---	32.90	33.66	---
MEAN	32.85	32.94	32.34	32.40	31.97	31.12	31.52	31.90	32.34	32.66	33.36	33.59

WTR YR 1986 MEAN 32.39 HIGH 27.94 LOW 33.75

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. Water levels for period of missing record, Aug. 23 to Sept. 18, were estimated.
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, 174.94 ft below land-surface datum, June 11, 1985.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	174.04	173.20	173.02	172.92	172.93	172.18	172.07	172.87	173.75	174.45	174.50	173.72
2	173.91	173.34	173.18	173.08	172.79	172.23	172.01	172.86	173.67	174.41	174.40	173.78
3	173.91	173.27	173.56	173.09	172.74	172.15	172.16	172.96	173.73	174.14	174.37	173.84
4	173.91	173.39	173.58	172.93	172.67	172.08	172.18	173.02	173.64	174.14	174.49	173.82
5	173.83	173.51	173.46	172.92	172.53	172.16	172.18	173.10	173.56	174.20	174.54	173.73
6	173.75	173.56	173.44	173.13	172.33	172.07	172.12	173.21	173.51	174.23	174.61	173.63
7	173.95	173.53	173.52	173.20	172.49	172.14	172.12	172.94	173.59	174.41	174.57	173.54
8	174.11	173.64	173.34	173.45	172.45	172.28	171.92	172.88	173.69	174.55	174.56	173.65
9	174.17	173.68	173.46	173.47	172.44	172.22	171.84	172.93	173.93	174.63	174.54	173.83
10	173.91	173.64	173.60	172.99	172.25	172.14	171.93	173.13	174.19	174.74	174.61	173.90
11	173.77	173.65	173.50	173.01	172.38	172.03	171.96	173.05	174.07	174.88	174.73	173.91
12	173.83	173.64	173.31	172.97	172.78	172.00	171.94	173.02	173.94	174.91	174.60	173.84
13	173.72	173.62	173.06	172.95	172.91	171.93	171.76	172.92	173.86	174.78	174.39	173.82
14	173.81	173.62	173.35	173.04	172.76	171.74	171.98	173.12	173.73	174.77	174.42	173.83
15	173.90	173.62	173.59	173.18	172.44	171.79	172.03	173.35	173.61	174.85	174.39	173.97
16	174.01	173.58	173.60	173.29	172.39	171.75	171.98	173.43	173.67	174.89	174.30	174.16
17	174.16	173.56	173.54	173.17	172.41	171.90	172.06	173.39	173.70	174.93	174.21	174.27
18	174.25	173.59	173.51	172.79	172.30	171.94	172.28	173.26	173.64	175.05	174.24	174.34
19	174.00	173.62	173.60	172.47	172.31	171.85	172.43	173.07	173.67	174.96	174.26	174.39
20	173.80	173.53	173.53	172.75	172.36	171.91	172.21	172.93	173.65	174.91	174.26	174.27
21	173.72	173.30	173.36	172.99	172.24	172.08	171.94	173.01	173.58	174.90	174.32	174.24
22	173.87	173.05	173.26	172.99	172.09	172.14	172.00	173.22	173.58	175.10	174.39	174.23
23	173.99	173.41	172.99	172.90	172.03	172.10	172.17	173.41	173.66	175.14	174.27	174.20
24	174.02	173.42	172.83	172.95	172.09	172.16	172.31	173.70	173.76	174.98	174.05	174.27
25	173.96	173.43	173.03	172.70	172.19	172.28	172.33	173.83	173.94	174.93	174.13	174.36
26	173.81	173.44	173.60	172.40	172.08	172.17	172.43	173.83	174.19	174.77	174.32	174.42
27	173.68	173.47	173.53	172.86	171.86	171.99	172.41	174.13	174.24	174.59	174.42	174.37
28	173.57	173.26	173.20	173.41	172.05	171.86	172.51	174.29	174.25	174.51	174.36	174.30
29	173.59	173.17	173.02	173.15	---	171.91	172.67	174.45	174.18	174.46	174.26	174.47
30	173.41	173.10	173.30	173.05	---	171.84	172.79	174.33	174.16	174.42	174.09	174.58
31	173.19	---	173.13	173.07	---	171.96	---	174.09	---	174.54	173.87	---
MEAN	173.86	173.46	173.35	173.01	172.40	172.03	172.16	173.35	173.81	174.68	174.37	174.06

WTR YR 1986 MEAN 173.39 HIGH 171.74 LOW 175.14

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. Water levels for period of missing record, Nov. 2 to Dec. 5, were estimated.
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, 54.78 ft below land-surface datum, Aug. 20, 1981.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	48.16	48.53	47.65	45.84	44.91	41.02	41.50	43.63	45.82	52.02	48.82	48.99
2	48.19	48.56	47.74	45.81	44.90	40.99	41.52	43.65	45.86	54.01	48.86	48.99
3	48.20	48.56	47.67	45.78	44.88	40.95	41.61	43.80	45.93	49.14	48.83	48.94
4	48.20	48.57	47.46	45.74	44.88	40.95	41.67	43.89	46.02	49.74	48.75	48.87
5	48.20	48.57	47.26	45.76	44.89	40.98	41.73	43.95	46.06	54.14	48.72	48.81
6	48.20	48.56	47.14	45.69	44.87	40.96	41.79	44.05	48.47	51.88	48.71	48.78
7	48.21	48.64	47.10	45.66	44.82	41.00	41.84	46.23	48.91	47.87	48.71	48.76
8	48.24	48.64	47.05	45.67	44.73	41.06	41.84	45.32	46.37	47.87	48.72	48.75
9	48.22	48.68	47.01	45.61	44.62	41.07	41.93	44.36	48.21	47.97	48.74	48.75
10	48.21	48.71	46.99	45.53	44.39	41.04	41.99	44.49	52.82	52.44	48.78	48.74
11	48.25	48.77	46.95	45.53	43.90	41.04	42.03	44.54	49.26	54.43	48.79	48.74
12	48.24	48.82	46.91	45.42	43.23	41.05	42.10	44.60	46.66	49.53	48.84	48.73
13	48.24	48.86	46.88	45.35	42.83	41.09	42.15	44.67	46.65	48.25	48.95	48.72
14	48.24	48.94	46.87	45.28	42.43	41.09	42.21	44.71	46.71	49.57	48.98	48.72
15	48.27	48.99	46.73	45.26	42.30	41.14	42.24	44.74	47.01	49.08	48.97	48.73
16	48.30	49.03	46.60	45.20	42.06	41.19	42.30	44.79	46.76	48.22	48.92	48.74
17	48.32	49.10	46.48	45.12	41.85	41.24	42.37	44.89	46.76	48.19	48.90	48.75
18	48.34	49.19	46.38	45.04	41.69	41.24	46.23	44.97	46.78	48.18	48.90	48.75
19	48.35	49.20	46.29	45.01	41.56	41.23	42.90	45.00	48.92	50.00	48.92	48.75
20	48.36	49.19	46.19	45.01	41.47	41.30	42.63	45.00	53.23	54.60	48.93	48.75
21	48.37	49.03	46.14	45.00	41.38	41.34	42.65	45.03	48.42	52.38	48.94	48.76
22	48.91	48.84	46.06	44.98	41.28	41.36	42.77	45.11	47.15	48.49	48.94	48.77
23	48.41	48.61	45.99	44.96	41.22	41.38	42.86	45.24	47.17	48.51	48.93	48.80
24	48.44	48.41	45.95	44.96	41.13	41.39	42.90	45.30	47.21	48.47	48.92	48.84
25	48.45	48.19	46.00	44.90	41.11	41.39	42.99	45.39	51.74	48.45	48.94	48.85
26	48.47	47.99	45.96	44.88	41.00	41.34	43.06	45.47	53.68	48.50	48.95	48.87
27	48.49	47.85	45.92	44.91	40.97	41.32	43.21	45.52	49.04	48.48	48.95	48.92
28	48.50	47.74	45.88	44.91	41.00	41.37	44.85	45.58	49.55	48.46	48.95	48.92
29	48.51	47.75	45.88	44.88	---	41.42	48.15	45.65	49.91	48.48	48.98	48.92
30	48.50	47.71	45.87	44.91	---	41.43	45.98	45.73	47.53	48.51	48.98	48.95
31	48.50	---	45.82	44.91	---	41.48	---	45.76	---	48.59	48.98	---
MEAN	48.34	48.61	46.61	45.27	42.87	41.19	42.80	44.87	48.15	49.82	48.88	48.81

WTR YR 1986 MEAN 46.37 HIGH 40.95 LOW 54.60

313532084203501 Local number, 11L002.
LOCATION.--Lat 31°35'32", long 84°20'35", 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.--Well pumped Apr. 1976; water-quality sample collected at conclusion of pumping. Borehole geophysical survey conducted June 3, 1975.
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.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	112.57	107.11	101.28	97.12	94.67	91.85	91.58	105.85	126.68	137.50	149.04	150.50
2	112.63	106.98	101.16	97.19	94.50	91.82	91.94	106.85	127.07	137.77	149.02	149.88
3	112.75	106.79	101.08	97.14	94.22	91.66	92.27	107.80	127.46	138.06	149.20	149.73
4	112.80	106.58	100.87	97.05	93.98	91.54	92.60	108.77	128.08	138.43	149.50	148.53
5	112.77	106.43	100.65	97.03	93.77	91.44	93.00	109.67	128.95	138.86	149.75	147.80
6	112.75	106.34	100.58	96.98	93.60	91.37	93.45	110.53	129.87	139.30	149.89	147.17
7	112.69	106.26	100.60	96.88	93.58	91.37	93.93	111.35	130.73	139.65	150.00	146.72
8	112.59	106.10	100.52	97.19	93.55	91.43	94.33	112.19	131.41	139.88	150.17	146.45
9	112.37	105.89	100.42	97.16	93.57	91.43	94.53	113.14	131.80	140.18	150.34	146.21
10	111.97	105.72	100.40	96.73	93.44	91.44	95.08	114.10	131.93	140.58	150.45	146.03
11	111.57	105.60	100.25	96.49	93.42	91.47	95.22	115.01	131.96	141.16	150.53	145.87
12	111.33	105.45	100.03	96.40	93.47	91.46	95.43	115.93	132.03	141.79	150.60	145.67
13	111.14	105.30	99.82	96.27	93.46	91.47	95.63	116.74	132.23	142.46	150.77	145.39
14	110.91	105.07	99.86	96.25	93.24	91.40	95.82	117.33	132.40	143.17	151.01	145.10
15	110.67	104.86	99.78	96.23	93.08	91.43	95.92	117.68	132.38	144.87	151.31	144.82
16	110.57	104.66	99.48	96.08	93.05	91.36	96.09	117.81	132.33	144.52	151.65	144.55
17	110.51	104.46	99.18	95.81	92.77	91.42	96.42	117.86	132.30	145.14	151.97	144.23
18	110.35	104.31	99.05	95.52	92.50	91.39	96.81	118.03	132.34	145.75	152.23	143.93
19	110.07	104.17	99.06	95.33	92.30	91.31	97.20	118.27	132.53	146.33	152.36	143.57
20	109.78	103.96	98.97	95.42	92.23	91.29	97.45	118.38	132.96	146.86	152.39	143.20
21	109.57	103.37	98.87	95.44	92.12	91.27	97.73	118.50	133.47	147.50	152.38	142.80
22	109.27	103.07	98.70	95.32	92.02	91.20	98.22	118.92	133.90	148.31	152.52	142.40
23	109.03	103.16	98.48	95.15	91.95	91.06	98.70	119.69	134.25	148.90	152.61	141.95
24	109.05	103.05	98.33	95.15	91.88	90.96	99.22	120.61	134.60	149.33	152.41	141.56
25	108.91	102.85	98.37	95.02	91.85	90.87	99.99	121.43	135.11	149.64	152.13	141.20
26	108.68	102.57	98.20	94.78	91.70	90.79	100.85	122.07	135.70	149.88	151.73	140.73
27	108.42	102.23	97.83	94.67	91.62	90.76	101.70	122.74	136.30	150.06	150.92	140.25
28	108.12	101.92	97.57	94.74	91.77	90.93	102.58	123.57	136.80	150.02	150.84	139.80
29	107.94	101.75	97.63	94.62	---	91.15	103.54	124.38	137.10	149.82	151.12	139.39
30	107.71	101.53	97.32	94.60	---	91.24	104.67	125.30	137.30	149.59	151.25	139.15
31	107.35	---	97.14	94.68	---	91.34	---	126.09	---	149.30	151.00	---
MEAN	110.54	104.58	99.40	95.95	92.98	91.32	96.73	116.66	132.40	144.34	151.00	144.49

WTR YR 1986 MEAN 115.17 HIGH 90.76 LOW 152.61

DOUGHERTY COUNTY

313554084062601 Local number, 13L002.
LOCATION.--Lat 31°35'54", long 84°06'25", 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, Apr. 30, and May 1-17, 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.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	136.22	137.04	133.09	124.95	125.84	118.07	125.29	135.71	144.94	151.94	160.00	156.60
2	137.47	137.13	131.85	124.65	125.97	116.15	125.76	136.82	145.68	152.37	160.04	155.86
3	138.58	136.87	132.44	125.14	125.62	115.28	126.40	137.75	146.59	152.90	159.78	155.64
4	139.23	136.65	132.81	125.90	125.30	115.01	126.92	138.26	147.36	153.49	159.26	155.91
5	139.32	136.76	132.33	125.94	124.47	114.97	127.36	138.70	147.74	153.87	159.06	156.09
6	136.81	136.88	132.79	125.11	125.13	115.70	127.63	139.33	148.05	153.51	158.93	156.03
7	135.56	135.78	133.02	125.11	123.59	116.38	127.77	139.97	148.63	152.13	159.26	155.91
8	137.74	136.59	132.61	124.54	121.07	117.48	127.84	140.69	148.96	153.22	159.44	155.58
9	138.16	137.22	130.44	123.90	119.39	118.44	126.96	141.50	148.86	153.44	159.25	155.71
10	137.88	137.14	131.40	123.05	119.57	119.31	127.67	142.41	148.91	153.93	159.22	155.79
11	137.89	136.91	131.36	124.33	122.22	120.24	127.77	143.00	148.61	154.78	156.83	155.75
12	138.35	136.83	131.39	123.39	121.06	120.97	128.18	142.80	148.38	155.65	155.51	155.84
13	138.66	136.73	131.58	122.16	120.59	120.44	127.02	142.05	148.36	156.40	157.73	154.95
14	138.64	136.79	131.93	123.03	121.45	119.51	127.94	142.01	148.38	156.92	158.82	155.58
15	138.88	136.91	131.99	123.55	119.80	119.05	128.26	142.04	148.49	157.38	159.16	154.10
16	139.06	136.94	131.67	124.99	118.40	118.52	128.64	141.88	148.38	157.84	159.27	154.78
17	139.39	136.96	131.26	124.81	117.86	119.45	128.99	142.31	148.51	158.20	158.08	155.07
18	139.65	136.66	130.06	123.24	117.30	120.32	129.32	142.19	149.11	158.85	158.47	153.80
19	139.59	136.13	127.71	122.57	117.79	120.48	129.68	141.43	149.86	159.26	158.71	152.37
20	138.07	135.94	128.98	124.60	118.11	120.74	127.54	140.25	150.03	159.69	158.96	152.23
21	138.13	135.45	129.47	125.23	116.55	120.69	126.65	139.20	150.14	159.97	159.14	151.91
22	138.22	135.50	129.44	125.76	116.94	121.18	129.11	139.14	150.21	160.09	159.18	153.58
23	138.61	135.78	129.39	125.28	116.95	121.90	130.25	139.71	150.25	160.52	158.93	154.27
24	139.05	135.25	126.84	123.06	116.60	122.82	130.84	140.78	150.45	160.64	158.55	154.98
25	139.34	132.67	127.93	125.15	117.76	123.16	131.54	141.59	150.88	160.79	158.22	154.02
26	139.49	133.76	128.15	125.74	119.30	123.23	132.41	142.43	151.42	160.88	158.18	155.22
27	139.40	134.04	128.17	125.63	118.53	123.58	132.97	143.22	151.72	160.82	158.43	155.73
28	138.79	133.85	128.27	124.92	119.06	123.93	133.08	143.14	151.71	160.57	158.60	156.15
29	138.24	134.03	127.13	124.46	---	124.28	133.50	143.65	151.79	160.28	158.71	156.53
30	137.55	133.90	124.56	122.95	---	124.63	134.61	143.48	151.79	160.02	158.14	156.86
31	136.97	---	124.54	125.10	---	124.97	---	144.24	---	159.93	157.34	---
MEAN	138.35	135.97	130.15	124.46	120.44	120.03	128.93	141.02	149.14	157.11	158.68	155.09

WTR YR 1986 MEAN 138.38 HIGH 114.97 LOW 160.88

313748084002901 Local number, 13L003.
LOCATION (REVISED).--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.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	40.69	41.17	39.14	37.44	36.98	33.16	33.50	35.65	37.76	39.05	40.71	41.37
2	40.69	41.14	39.17	37.45	36.94	33.17	33.55	35.73	37.80	39.17	40.78	41.37
3	40.69	41.10	39.10	37.40	36.92	33.13	33.67	35.84	37.93	39.20	40.83	41.33
4	40.68	41.12	38.97	37.33	36.90	33.18	33.82	35.91	38.02	39.21	40.86	41.30
5	40.65	41.08	38.81	37.41	36.88	33.28	33.89	35.95	38.09	39.26	40.94	41.26
6	40.67	41.08	38.79	37.42	36.54	33.25	33.93	36.03	38.14	39.32	40.93	41.25
7	40.67	41.10	38.79	37.45	35.97	33.36	33.94	36.05	38.18	39.32	40.82	41.24
8	40.68	41.19	38.74	37.60	35.64	33.50	33.93	36.12	38.10	39.43	40.90	41.22
9	40.68	41.16	38.79	37.49	35.39	33.50	34.07	36.27	38.10	39.56	40.97	41.22
10	40.67	41.19	38.85	37.25	34.87	33.43	34.14	36.43	38.12	39.72	41.01	41.28
11	40.72	41.22	38.78	37.25	34.18	33.43	34.15	36.45	38.12	39.82	41.03	41.31
12	40.78	41.21	38.73	37.10	33.90	33.47	34.21	36.45	38.12	39.89	41.07	41.38
13	40.87	41.27	38.57	36.82	33.84	33.52	34.25	36.45	38.15	39.85	41.08	41.45
14	40.93	41.28	38.40	36.87	33.43	33.45	34.34	36.50	38.13	39.93	41.11	41.48
15	40.96	41.31	38.03	36.89	33.26	33.51	34.34	36.60	38.16	40.06	41.14	41.48
16	40.97	41.35	37.67	36.91	33.25	33.50	34.46	36.67	38.24	40.00	41.13	41.60
17	41.01	41.40	37.49	36.80	33.08	33.54	34.59	36.68	38.34	40.01	41.15	41.68
18	41.03	41.41	37.45	36.62	32.94	33.43	34.70	36.75	38.37	40.06	41.25	41.72
19	41.03	41.39	37.47	36.53	32.89	33.25	34.76	36.83	38.44	40.13	41.43	41.77
20	41.07	41.43	37.40	36.64	32.93	33.34	34.67	36.86	38.47	40.17	41.53	41.80
21	41.12	41.03	37.43	36.71	32.94	33.43	34.70	36.96	38.51	40.31	41.34	41.84
22	41.17	40.18	37.37	36.73	32.93	33.52	34.92	37.08	38.56	40.46	41.23	41.79
23	41.19	39.67	37.23	36.71	32.95	33.46	35.06	37.21	38.61	40.54	41.17	41.73
24	41.24	39.73	37.25	36.77	32.89	33.34	35.12	37.30	38.73	40.45	41.15	41.82
25	41.26	39.59	37.45	36.64	32.98	33.24	35.13	37.36	38.87	40.43	41.29	41.88
26	41.31	39.54	37.53	36.55	32.85	33.06	35.17	37.45	39.00	40.48	41.48	41.94
27	41.33	39.47	37.45	36.72	32.89	33.07	35.22	37.55	38.93	40.50	41.53	42.05
28	41.29	39.37	37.43	36.82	33.08	33.20	35.33	37.61	38.86	40.46	41.56	42.04
29	41.22	39.34	37.40	36.72	---	33.34	35.48	37.66	38.87	40.49	41.53	42.10
30	41.13	39.25	37.50	36.89	---	33.37	35.58	37.70	38.94	40.52	41.46	42.19
31	41.17	---	37.41	36.97	---	33.42	---	37.75	---	40.62	41.40	---
MEAN	40.95	40.73	38.08	37.00	34.29	33.35	34.49	36.70	38.36	39.95	41.16	41.60

WTR YR 1986 MEAN 38.08 HIGH 32.85 LOW 42.19

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, Nov. 26 to Dec. 2, and Jan. 7 to Feb. 10, 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, 9.99 ft below land-surface datum, Oct. 8, 1986.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.72	7.64	6.96	7.06	7.97	7.91	7.31	7.97	8.56	9.33	9.64	9.81
2	7.55	7.76	6.93	7.13	7.95	7.90	7.20	7.97	8.59	9.38	9.64	9.76
3	7.48	7.81	6.91	7.11	7.90	7.87	7.09	8.03	8.68	9.35	9.67	9.72
4	7.50	7.80	6.93	7.11	7.87	7.91	6.85	8.06	8.70	9.37	9.70	9.66
5	7.49	7.84	6.85	7.19	7.84	7.83	6.78	8.11	8.67	9.40	9.69	9.60
6	7.53	7.87	6.85	7.25	7.83	7.88	6.75	8.16	8.66	9.43	9.72	9.58
7	7.57	7.89	6.89	7.31	7.90	7.98	6.72	8.27	8.67	9.46	9.72	9.61
8	7.65	7.99	6.88	7.47	7.95	8.08	6.65	8.17	8.71	9.55	9.73	9.64
9	7.68	8.05	6.92	7.46	7.97	8.06	6.83	8.18	8.76	9.59	9.74	9.67
10	7.60	8.01	6.96	7.31	7.90	7.96	6.82	8.26	8.81	9.62	9.76	9.68
11	7.56	8.01	6.92	7.35	7.87	7.91	6.80	8.23	8.72	9.65	9.71	9.61
12	7.59	8.00	6.83	7.38	7.99	7.91	6.84	8.22	8.71	9.66	9.71	9.57
13	7.62	7.98	6.73	7.45	8.02	7.89	6.89	8.23	8.75	9.70	9.69	9.60
14	7.60	7.98	6.85	7.51	7.88	7.70	6.95	8.30	8.79	9.75	9.65	9.67
15	7.62	7.99	6.88	7.62	7.83	7.56	6.97	8.37	8.78	9.74	9.65	9.69
16	7.70	7.97	6.84	7.72	7.83	7.57	7.01	8.40	8.81	9.75	9.67	9.67
17	7.77	7.99	6.82	7.70	7.77	7.62	7.10	8.37	8.84	9.78	9.65	9.68
18	7.80	8.05	6.78	7.59	7.70	7.61	7.20	8.37	8.84	9.80	9.65	9.70
19	7.75	8.03	6.82	7.50	7.70	7.53	7.27	8.36	8.89	9.80	9.68	9.68
20	7.69	7.99	6.80	7.62	7.75	7.43	7.19	8.39	8.94	9.81	9.72	9.65
21	7.68	7.92	6.84	7.71	7.78	7.35	7.18	8.46	9.03	9.83	9.76	9.65
22	7.72	7.85	6.80	7.76	7.81	7.37	7.34	8.50	9.03	9.96	9.84	9.63
23	7.76	7.93	6.72	7.81	7.81	7.35	7.47	8.56	9.00	9.94	9.88	9.62
24	7.79	7.97	6.75	7.85	7.79	7.35	7.54	8.61	9.00	9.78	9.85	9.61
25	7.77	7.98	6.94	7.79	7.81	7.35	7.51	8.59	9.04	9.64	9.84	9.66
26	7.78	7.96	7.00	7.67	7.71	7.32	7.57	8.58	9.11	9.58	9.87	9.75
27	7.79	7.63	7.01	7.74	7.65	7.26	7.72	8.59	9.13	9.55	9.90	9.75
28	7.75	7.56	7.02	7.82	7.82	7.30	7.80	8.59	9.12	9.54	9.84	9.77
29	7.75	7.33	7.00	7.80	---	7.34	7.93	8.57	9.12	9.54	9.91	9.81
30	7.73	7.00	7.08	7.90	---	7.32	7.98	8.55	9.19	9.59	9.91	9.84
31	7.65	---	7.04	7.95	---	7.31	---	8.53	---	9.61	9.86	---
MEAN	7.67	7.86	6.89	7.54	7.84	7.64	7.18	8.34	8.86	9.63	9.75	9.68

WTR YR 1986 MEAN 8.24 HIGH 6.65 LOW 9.96

GLYNN COUNTY

311007081301702 Local number, 33H133.
LOCATION.--Lat 31°10'07", long 81°30'17", 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, 3.0 ft above land-surface datum.
REMARKS.--Well pumped monthly; water-quality samples collected at conclusion of pumping. Borehole geophysical survey conducted Sept. 26, 1977. Well was flowing Oct. 8-13, and Dec. 25-29. Water levels for period of missing record, Feb. 26, Apr. 22, and Aug. 8 to Sept. 22, 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 LEVEL, IN FEET ABOVE OR BELOW (-) LAND SURFACE DATUM , WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	-11.87	-12.70	-10.58	-5.50	-11.82	-10.28	-10.45	-3.64	-12.77	-11.93	-15.60	-14.18
2	-11.69	-12.71	-10.30	-6.66	-11.89	-10.14	-10.44	-5.72	-12.67	-12.22	-15.98	-14.47
3	-13.23	-12.27	-11.36	-7.68	-10.84	-10.52	-10.26	-5.75	-11.98	-11.89	-16.52	-14.55
4	-13.85	-12.06	-10.36	-7.26	-10.22	-10.33	-10.72	-5.79	-12.76	-11.42	-16.53	-13.62
5	-14.66	-12.70	-10.26	-6.96	-10.60	-10.13	-11.42	-5.29	-11.18	-10.96	-16.18	-14.48
6	-11.71	-13.33	-10.09	-7.39	-9.11	-9.96	-10.47	-5.62	-11.98	-10.32	-16.07	-14.42
7	-8.04	-14.27	-10.13	-8.76	-8.78	-10.02	-10.98	-8.23	-11.91	-10.59	-14.64	-14.91
8	---	-13.97	-10.42	-9.40	-9.88	-9.82	-10.32	-8.85	-12.24	-11.03	-15.30	-14.86
9	---	-13.56	-10.26	-9.37	-10.30	-9.97	-10.78	-9.82	-12.29	-12.45	-14.91	-14.96
10	---	-13.40	-11.06	-10.05	-9.87	-10.57	-10.43	-10.98	-11.63	-12.87	-15.69	-14.59
11	---	-13.37	-11.62	-10.10	-8.82	-12.62	-10.67	-12.10	-13.02	-13.04	-15.89	-13.78
12	---	-13.08	-10.13	-11.12	-9.51	-13.96	-11.16	-11.80	-13.10	-12.99	-15.77	-14.57
13	---	-12.71	-10.85	-11.10	-9.82	-13.60	-11.16	-11.90	-13.12	-12.75	-14.92	-14.37
14	-0.14	-10.90	-10.52	-11.06	-9.86	-11.64	-11.32	-11.64	-12.32	-13.88	-14.25	-14.57
15	-3.41	-11.77	-10.86	-11.80	-9.52	-11.33	-10.62	-11.72	-12.98	-14.54	-13.74	-14.49
16	-6.25	-11.84	-10.78	-10.84	-9.13	-11.08	-10.80	-11.56	-12.83	-15.24	-15.10	-14.47
17	-8.19	-11.90	-11.29	-11.90	-9.03	-11.11	-10.99	-12.23	-12.28	-14.57	-15.11	-14.91
18	-9.85	-11.55	-10.96	-11.36	-9.44	-11.04	-11.83	-12.98	-12.88	-15.29	-15.28	-14.59
19	-11.25	-11.03	-11.28	-10.88	-9.76	-10.84	-11.56	-13.13	-12.36	-15.15	-15.07	-14.47
20	-11.40	-11.50	-12.50	-11.24	-10.10	-9.82	-11.78	-13.11	-13.34	-15.72	-14.60	-14.68
21	-11.39	-10.71	-11.84	-11.13	-9.22	-10.54	-11.16	-12.82	-13.22	-15.46	-14.51	-13.91
22	-11.70	-11.41	-9.90	-12.13	-9.55	-10.61	-9.45	-12.19	-13.43	-14.78	-14.52	-13.95
23	-11.59	-11.87	-3.92	-10.90	-9.18	-10.48	-7.74	-12.70	-14.06	-15.32	-14.72	-14.86
24	-12.33	-11.66	1.00	-10.88	-8.93	-10.19	-8.66	-12.59	-13.80	-14.24	-14.37	-14.23
25	-12.26	-11.72	---	-11.51	-8.91	-10.52	-8.90	-12.96	-14.14	-13.64	-14.86	-13.55
26	-12.36	-11.96	---	-10.88	-9.39	-10.66	-9.21	-12.84	-13.93	-14.84	-15.25	-14.68
27	-12.75	-11.63	---	-11.38	-9.87	-9.94	-8.36	-12.70	-13.53	-15.71	-14.70	-13.91
28	-12.44	-11.08	---	-13.00	-9.58	-10.56	-3.50	-13.10	-13.53	-15.81	-13.86	-13.09
29	-11.88	-10.82	---	-12.95	---	-10.52	.50	-13.12	-13.58	-14.90	-13.82	-13.06
30	-12.24	-10.94	-0.38	-11.38	---	-10.80	.04	-12.83	-12.80	-14.70	-14.00	-13.37
31	-12.27	---	-3.96	-11.89	---	-10.44	---	-13.39	---	-14.39	-14.20	---
MEAN	-10.75	-12.15	-9.41	-10.27	-9.75	-10.78	-9.49	-10.75	-12.86	-13.63	-15.03	-14.29

WTR YR 1986 MEAN -11.65 MAX 1.00 MIN -16.53

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 unusued 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 November 1973.
PERIOD OF RECORD.--March 1964 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 24.04 ft below land-surface datum, February 17, 18, 1983; lowest, 39.58 ft below land-surface datum, November 12, 1968.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	32.68	29.20	---	24.93	26.74	26.23	27.98	30.85	32.61	33.81	35.44	36.47
2	32.44	28.91	---	24.99	26.68	26.36	28.05	30.97	32.63	33.84	35.50	36.45
3	31.57	28.66	---	25.11	26.61	26.45	28.14	31.13	32.69	33.86	35.58	36.45
4	30.53	28.42	---	25.18	26.53	26.56	28.30	31.26	32.77	33.92	35.66	36.42
5	29.83	28.23	---	25.31	26.45	26.70	28.43	31.35	32.78	34.00	35.71	36.34
6	29.37	28.16	---	25.35	26.35	26.79	28.53	31.44	32.80	34.08	35.75	36.30
7	29.04	28.12	---	25.40	26.29	26.93	28.58	31.51	32.85	34.11	35.79	36.29
8	28.86	28.12	---	25.46	26.18	27.12	28.62	31.56	32.97	34.16	35.82	36.29
9	28.71	28.14	---	25.49	26.07	27.25	28.67	31.69	33.07	34.21	35.87	36.29
10	28.55	28.15	---	25.43	25.98	27.31	28.78	31.85	33.08	34.29	35.96	36.29
11	28.42	28.24	---	25.32	25.92	27.36	28.86	31.95	33.03	34.38	36.04	36.28
12	28.37	28.27	---	25.31	25.80	27.46	28.95	32.02	32.98	34.50	36.10	36.24
13	28.37	28.32	---	25.40	25.70	27.56	29.05	32.08	33.00	34.62	36.12	36.22
14	28.37	28.42	---	25.46	25.56	27.55	29.18	32.08	33.04	34.74	36.11	36.25
15	28.38	28.51	---	25.51	25.44	27.56	29.31	32.11	33.06	34.84	36.11	36.27
16	28.47	28.60	---	25.56	25.46	27.62	29.39	32.16	33.09	34.94	36.11	36.27
17	28.59	28.69	---	25.62	25.44	27.71	29.50	32.18	33.11	35.04	36.12	36.28
18	28.67	28.80	---	25.79	25.40	27.78	29.64	32.21	33.13	35.12	36.16	36.29
19	28.73	28.88	---	25.94	25.40	27.79	29.77	32.24	33.19	35.17	36.22	36.29
20	28.79	28.88	---	26.01	25.47	27.80	29.83	32.29	33.22	35.23	36.28	36.30
21	28.87	28.71	---	26.08	25.56	27.84	29.83	32.36	33.24	35.34	36.35	36.32
22	28.98	27.92	---	26.13	25.63	27.86	29.93	32.45	33.32	35.46	36.38	36.34
23	29.11	---	---	26.18	25.71	27.87	30.07	32.58	33.37	35.42	36.43	36.38
24	29.28	---	---	26.25	25.78	27.86	30.17	32.72	33.41	35.41	36.45	36.44
25	29.39	---	---	26.33	25.87	27.84	30.22	32.84	33.48	35.36	36.48	36.53
26	29.52	---	24.49	26.41	25.93	27.82	30.28	32.96	33.58	35.32	36.51	36.63
27	29.63	---	24.53	26.46	25.94	27.78	30.37	33.08	33.66	35.30	36.52	36.69
28	29.64	---	24.60	26.54	26.08	27.77	30.47	32.95	33.72	35.28	36.52	36.76
29	29.64	---	24.68	26.65	---	27.84	30.60	32.80	33.72	35.28	36.55	36.85
30	29.64	---	24.75	26.70	---	27.88	30.74	32.68	33.76	35.29	36.54	36.87
31	29.49	---	24.83	26.73	---	27.92	---	32.62	---	35.35	36.51	---
MEAN	29.35	28.47	24.65	25.78	25.93	27.42	29.34	32.10	33.15	34.76	36.12	36.40

WTR YR 1986 MEAN 30.78 HIGH 24.49 LOW 36.87

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, Dec. 13-31, 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, 27.13 ft below land-surface datum, Nov. 1, 1986.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	21.87	23.31	23.54	23.67	23.68	23.53	23.53	24.05	24.55	25.10	26.43	26.72
2	22.31	23.31	23.66	23.75	23.66	23.60	23.39	23.91	24.55	25.25	26.48	26.70
3	22.79	23.37	23.83	23.66	23.61	23.57	23.45	23.99	24.73	25.26	26.58	26.72
4	23.82	23.36	23.89	23.65	23.51	23.52	23.58	24.06	24.76	25.43	26.65	26.72
5	22.69	23.39	23.78	23.67	23.53	23.44	23.60	24.07	24.78	25.58	26.62	26.69
6	23.11	23.48	23.56	23.80	23.43	23.27	23.57	24.17	24.63	25.63	26.61	26.62
7	23.41	23.61	23.74	23.80	23.30	23.30	23.42	24.07	24.67	25.67	26.57	26.69
8	23.63	23.63	23.68	23.98	23.37	23.55	23.29	23.96	24.74	25.76	26.58	26.85
9	23.73	23.76	23.63	23.98	23.39	23.56	23.25	23.97	24.83	25.94	26.60	26.96
10	23.62	23.78	23.69	23.70	23.37	23.52	23.18	24.07	24.94	25.80	26.57	26.78
11	23.42	23.71	23.71	23.66	23.27	23.45	23.17	24.03	24.83	25.91	26.58	26.69
12	23.48	23.72	23.65	23.70	23.32	23.45	23.21	23.98	24.79	25.94	26.56	26.62
13	23.60	23.72	23.47	23.63	23.57	23.41	23.28	24.05	24.89	26.05	26.59	26.62
14	23.62	23.92	23.63	23.65	23.45	23.22	23.41	24.15	24.94	26.08	26.52	26.64
15	23.58	23.82	23.83	23.81	23.13	23.32	23.52	24.26	24.91	26.02	26.64	26.66
16	23.63	23.84	23.81	23.92	23.29	23.34	23.53	24.35	24.93	26.21	26.69	26.64
17	23.76	23.89	23.80	23.88	23.22	23.44	23.65	24.28	25.06	26.23	26.68	26.67
18	23.79	24.00	23.82	23.72	23.23	23.48	23.73	24.30	25.17	26.23	26.72	26.60
19	23.81	23.85	23.91	23.50	23.25	23.38	23.78	24.25	25.21	26.20	26.74	26.57
20	23.71	23.64	23.88	23.61	23.03	23.41	23.64	24.34	25.26	26.11	26.77	26.59
21	23.68	23.45	23.91	23.74	23.23	23.47	23.47	24.33	25.32	26.11	26.83	26.62
22	23.72	23.45	23.91	23.73	23.28	23.60	23.58	24.46	25.37	26.33	26.88	26.57
23	23.61	23.66	23.78	23.75	23.26	23.57	23.75	24.47	25.08	26.40	26.86	26.59
24	23.69	23.68	23.67	23.79	23.24	23.58	23.79	24.34	24.29	26.41	26.73	26.69
25	23.72	23.69	23.81	23.67	23.26	23.53	23.79	24.45	23.65	26.55	26.75	26.79
26	23.65	23.67	23.97	23.46	23.28	23.49	23.80	24.35	23.51	26.62	26.86	26.90
27	23.69	23.65	23.92	23.54	23.09	23.40	23.84	24.38	23.22	26.52	26.81	26.91
28	23.59	23.63	23.84	23.83	23.36	23.46	23.88	24.46	23.97	26.49	26.66	26.96
29	23.60	23.65	23.70	23.90	---	23.55	24.02	24.52	24.71	26.45	26.75	26.94
30	23.66	23.58	23.77	23.66	---	23.55	24.11	24.57	24.99	26.43	26.75	26.92
31	23.58	---	23.68	23.65	---	23.57	---	24.53	---	26.45	26.77	---
MEAN	23.47	23.64	23.76	23.72	23.34	23.47	23.57	24.23	24.71	26.04	26.67	26.72

WTR YR 1986 MEAN 24.45 HIGH 21.87 LOW 26.96

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 period of missing record, Jan. 28 to Feb. 24, and Sept. 11-30, 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, 25.16 ft below land-surface datum, Aug. 29, 1986.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	21.55	21.50	21.42	21.40	21.35	21.06	21.12	21.73	23.01	23.72	24.86	25.06
2	21.56	21.60	21.48	21.48	21.33	21.13	21.07	21.74	23.07	23.72	24.78	25.04
3	21.57	21.60	21.64	21.39	21.29	21.06	21.16	21.88	23.21	23.74	24.72	25.03
4	21.55	21.60	21.68	21.37	21.19	21.05	21.30	22.01	23.20	23.89	24.64	25.01
5	21.50	21.64	21.58	21.39	21.22	21.09	21.34	22.04	23.09	24.00	24.66	24.88
6	21.60	21.71	21.58	21.52	21.12	21.02	21.32	22.04	23.00	24.05	24.64	24.82
7	21.72	21.74	21.66	21.51	21.00	21.07	21.21	22.01	23.01	24.05	24.61	24.86
8	21.82	21.84	21.62	21.69	21.07	21.28	21.05	21.91	23.07	24.05	24.63	24.90
9	21.86	21.92	21.63	21.69	21.10	21.26	21.03	22.01	23.18	24.10	24.59	24.94
10	21.74	21.88	21.65	21.40	21.08	21.12	21.08	22.13	23.25	24.27	24.56	24.92
11	21.68	21.86	21.60	21.36	20.99	21.02	21.06	22.12	23.22	24.34	24.58	24.87
12	21.76	21.84	21.46	21.39	21.04	21.04	21.09	22.04	23.21	24.39	24.58	24.82
13	21.78	21.80	21.28	21.32	21.30	21.02	21.10	22.10	23.27	24.50	24.64	24.86
14	21.76	21.79	21.43	21.34	21.18	20.83	21.17	22.19	23.32	24.54	24.68	24.95
15	21.78	21.78	21.63	21.49	20.87	20.90	21.16	22.31	23.33	24.56	24.68	24.95
16	21.85	21.78	21.60	21.60	21.03	20.91	21.10	22.35	23.35	24.64	24.72	24.90
17	21.94	21.82	21.59	21.56	20.97	21.02	21.18	22.34	23.35	24.68	24.74	24.93
18	21.96	21.85	21.61	21.39	20.98	21.05	21.32	22.35	23.34	24.71	24.74	24.93
19	21.90	21.82	21.69	21.17	21.01	20.95	21.41	22.34	23.38	24.67	24.70	24.93
20	21.87	21.74	21.66	21.27	20.79	21.00	21.28	22.31	23.39	24.65	24.67	24.92
21	21.86	21.60	21.69	21.40	21.00	21.10	21.12	22.30	23.42	24.72	24.56	24.89
22	21.88	21.40	21.68	21.39	21.05	21.23	21.21	22.34	23.49	24.87	24.54	24.87
23	21.92	21.61	21.55	21.40	21.04	21.24	21.40	22.46	23.50	24.92	24.61	24.84
24	21.93	21.64	21.44	21.44	21.02	21.24	21.45	22.53	23.50	24.87	24.70	24.86
25	21.87	21.63	21.57	21.32	21.05	21.29	21.39	22.57	23.52	24.83	24.65	24.90
26	21.88	21.59	21.73	21.10	20.95	21.17	21.44	22.64	23.60	24.83	24.60	24.94
27	21.84	21.52	21.67	21.18	20.82	21.05	21.50	22.70	23.64	24.85	24.66	24.91
28	21.78	21.46	21.59	21.48	21.01	21.07	21.52	22.87	23.62	24.89	24.71	24.93
29	21.75	21.47	21.45	21.55	---	21.12	21.58	22.92	23.61	24.90	25.16	24.98
30	21.70	21.45	21.51	21.32	---	21.11	21.71	22.94	23.66	24.89	25.13	24.96
31	21.52	---	21.42	21.32	---	21.12	---	22.95	---	24.86	25.10	---
MEAN	21.76	21.68	21.57	21.41	21.07	21.08	21.26	22.30	23.33	24.47	24.70	24.92

WTR YR 1986 MEAN 22.47 HIGH 20.79 LOW 25.16

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 4-3 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.
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, 54.18 ft below land-surface datum, Aug. 30, 1986.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	51.40	51.05	51.42	50.64	51.31	50.86	50.65	50.61	51.53	52.63	53.52	54.12
2	51.38	51.15	51.46	50.74	51.30	50.93	50.56	50.56	51.60	52.64	53.60	54.05
3	51.40	51.17	51.59	50.73	51.20	50.89	50.60	50.62	51.72	52.66	53.71	53.96
4	51.41	51.17	51.67	50.73	51.13	50.84	50.72	50.70	51.80	52.76	53.80	53.79
5	51.36	51.23	51.59	50.80	51.07	50.88	50.78	50.68	51.78	52.87	53.84	53.53
6	51.41	51.30	51.58	50.92	51.00	50.80	50.75	50.64	51.74	52.96	53.86	53.32
7	51.52	51.36	51.68	50.94	51.03	50.86	50.67	50.60	51.78	52.99	53.89	53.23
8	51.57	51.50	51.65	51.14	51.06	51.00	50.54	50.49	51.84	52.97	53.89	53.20
9	51.60	51.60	51.68	51.17	51.10	51.03	50.54	50.56	51.92	52.92	53.89	53.20
10	51.47	51.59	51.72	50.92	50.96	50.92	50.60	50.73	52.02	52.96	53.90	53.17
11	51.40	51.60	51.66	50.89	50.89	50.78	50.58	50.72	52.02	52.99	53.92	53.11
12	51.46	51.59	51.53	50.93	51.07	50.81	50.60	50.67	52.02	53.06	53.94	53.06
13	51.48	51.59	51.38	50.87	51.17	50.73	50.61	50.72	52.08	53.15	53.93	53.09
14	51.47	51.60	51.50	50.90	51.06	50.58	50.66	50.83	52.16	53.21	53.90	53.20
15	51.47	51.62	51.70	51.02	50.96	50.62	50.67	50.96	52.19	53.19	53.91	53.29
16	51.54	51.61	51.67	51.16	51.05	50.63	50.62	51.03	52.22	53.18	53.89	53.29
17	51.61	51.64	51.66	51.13	50.96	50.70	50.68	51.02	52.24	53.24	53.88	53.33
18	51.65	51.68	51.64	50.97	50.82	50.72	50.78	51.02	52.22	53.24	53.88	53.37
19	51.68	51.68	51.68	50.74	50.77	50.63	50.88	51.02	52.30	53.16	53.90	53.38
20	51.52	51.68	51.65	50.86	50.78	50.67	50.75	51.02	52.36	53.14	53.94	53.38
21	51.48	51.45	51.66	50.98	50.83	50.80	50.60	51.04	52.38	53.20	54.02	53.36
22	51.48	51.28	51.64	51.02	50.84	50.90	50.72	51.10	52.47	53.30	54.09	53.32
23	51.51	51.50	51.50	51.04	50.83	50.92	50.86	51.20	52.48	53.38	54.08	53.32
24	51.52	51.51	51.36	51.10	50.81	50.92	50.89	51.30	52.47	53.38	54.02	53.34
25	51.47	51.57	51.37	51.02	50.82	50.95	50.76	51.31	52.50	53.37	54.06	53.44
26	51.46	51.56	51.40	50.82	50.76	50.85	50.68	51.33	52.58	53.37	54.15	53.52
27	51.44	51.57	51.19	50.86	50.64	50.72	50.65	51.42	52.65	53.37	54.11	53.49
28	51.34	51.46	50.93	51.04	50.78	50.70	50.62	51.48	52.60	53.37	54.06	53.51
29	51.30	51.45	50.66	51.02	---	50.76	50.62	51.51	52.58	53.40	54.13	53.60
30	51.22	51.44	50.72	51.12	---	50.73	50.64	51.49	52.60	53.42	54.18	53.63
31	51.08	---	50.64	51.26	---	50.69	---	51.50	---	53.48	54.17	---
MEAN	51.45	51.47	51.46	50.95	50.96	50.80	50.68	50.96	52.16	53.13	53.94	53.42

WTR YR 1986 MEAN 51.79 HIGH 50.49 LOW 54.18

LOWNDES COUNTY

304949083165301 Local number, 19E009.
LOCATION.--Lat 30°49'51", long 83°16'59", 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 approved 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, 146.60 ft below land-surface datum, July 18, 1981.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	136.83	137.16	131.01	127.96	127.41	123.53	125.77	134.79	139.57	139.75	144.26	134.31
2	137.23	136.28	131.48	128.19	127.19	122.79	126.10	135.03	139.79	140.34	142.96	134.59
3	137.34	135.35	131.63	128.14	127.10	123.27	126.42	135.44	140.28	139.90	142.31	134.77
4	137.66	135.61	131.69	127.89	127.21	123.55	126.79	135.75	140.03	138.84	143.04	134.67
5	137.81	135.07	131.36	127.80	127.19	123.78	127.09	136.55	140.07	140.03	143.67	134.40
6	136.87	135.02	131.47	127.99	126.80	123.89	126.83	136.96	139.99	139.65	143.07	134.22
7	137.22	134.86	131.09	127.75	126.43	124.37	127.28	137.11	140.15	141.33	144.09	133.87
8	137.96	134.84	130.97	127.80	125.87	124.22	127.28	137.33	139.61	141.84	143.71	134.44
9	137.92	134.37	131.27	127.65	125.26	124.11	126.79	138.38	141.06	143.18	143.77	134.23
10	137.89	133.89	131.19	127.25	125.05	124.31	127.37	138.46	141.20	143.33	143.29	134.06
11	137.76	134.27	131.24	127.29	124.82	124.40	127.37	137.51	140.94	144.29	143.48	134.15
12	137.27	134.38	130.87	126.98	124.29	124.65	128.27	137.91	139.70	144.52	143.66	134.33
13	137.04	134.59	130.58	126.98	124.22	124.52	127.11	137.33	139.69	144.87	142.91	133.88
14	137.47	134.53	129.85	126.95	123.87	124.78	128.27	137.89	139.65	145.53	140.69	133.69
15	138.13	134.78	129.72	126.66	123.17	124.52	128.21	139.01	139.28	145.36	139.88	134.65
16	138.27	133.97	129.64	126.77	123.61	123.75	128.25	139.49	139.67	144.89	139.14	134.01
17	138.26	134.28	129.25	126.48	123.25	123.99	128.52	139.43	139.57	143.85	138.30	134.05
18	138.95	134.47	128.98	126.01	123.12	124.03	128.96	139.36	139.90	144.01	138.34	134.20
19	138.68	135.09	128.84	125.64	123.08	123.84	129.71	138.10	139.16	145.22	137.79	134.47
20	138.32	134.88	128.76	125.82	123.07	123.77	128.86	137.14	137.85	145.66	137.53	134.72
21	138.59	134.65	128.76	126.17	123.04	123.88	128.38	137.08	137.22	146.28	136.79	134.21
22	138.53	134.65	128.09	126.29	122.85	123.81	128.53	137.04	136.20	144.89	136.89	134.63
23	139.00	133.73	127.86	126.46	122.24	123.66	128.77	137.91	136.81	143.34	136.28	134.84
24	139.07	133.30	127.58	126.52	122.59	123.90	129.90	138.79	136.51	142.79	136.30	135.31
25	139.35	133.51	128.15	126.35	123.04	124.22	130.67	138.82	136.91	143.79	136.13	135.92
26	139.18	133.53	128.76	126.27	122.98	124.48	131.38	140.31	138.15	142.85	136.51	136.71
27	138.63	133.32	129.09	126.62	122.99	124.43	131.27	140.30	138.61	141.57	136.29	136.82
28	139.06	132.78	128.59	128.82	123.02	124.55	132.24	141.10	139.22	141.31	135.90	136.59
29	138.87	132.37	128.42	128.26	---	124.67	132.52	141.64	138.52	142.51	135.49	137.91
30	138.30	131.88	128.47	127.40	---	124.81	133.68	142.48	139.51	143.50	134.94	138.04
31	137.95	---	128.37	127.46	---	125.07	---	142.61	---	143.96	134.64	---
MEAN	138.11	134.38	129.78	127.12	124.46	124.11	128.62	138.29	139.16	143.01	139.74	134.89

WTR YR 1986 MEAN 133.54 HIGH 122.24 LOW 146.28

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.
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, 22.22 ft below land-surface datum, Oct. 23, 1986.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	19.44	19.36	19.56	19.75	19.79	19.26	19.26	19.43	19.74	20.65	21.41	21.71
2	19.43	19.50	19.75	19.67	19.76	19.40	19.17	19.54	19.78	20.69	21.48	21.65
3	19.48	19.45	19.82	19.71	19.64	19.44	19.24	19.51	19.69	20.65	21.63	21.70
4	19.56	19.63	19.80	19.68	19.52	19.36	19.34	19.63	19.71	20.60	21.68	21.67
5	19.50	19.66	19.66	19.69	19.46	19.42	19.34	19.68	19.61	20.73	21.64	21.63
6	19.44	19.65	19.84	19.77	19.38	19.37	19.37	19.67	19.63	20.86	21.68	21.61
7	19.48	19.68	19.86	19.76	19.40	19.40	19.28	19.61	19.78	20.91	21.72	21.66
8	19.40	19.82	19.78	19.65	19.40	19.44	19.06	19.44	19.90	20.92	21.75	21.77
9	19.45	19.74	19.70	19.81	19.36	19.50	19.12	19.30	19.95	20.93	21.81	21.83
10	19.28	19.67	19.71	19.60	19.24	19.45	19.11	19.38	19.95	20.99	21.83	21.89
11	19.42	19.67	19.66	19.40	19.29	19.38	19.10	19.44	19.94	20.98	21.86	21.94
12	19.40	19.68	19.58	19.57	19.58	19.40	19.10	19.44	19.98	21.04	21.84	21.94
13	19.36	19.67	19.48	19.67	19.63	19.28	19.08	19.46	20.10	21.15	21.78	21.92
14	19.34	19.70	19.90	19.69	19.56	19.20	19.13	19.52	20.17	21.18	21.78	21.86
15	19.42	19.72	19.76	19.80	19.50	19.29	19.15	19.62	20.13	21.13	21.70	21.89
16	19.50	19.72	19.74	19.85	19.48	19.30	19.25	19.68	20.16	21.13	21.58	21.86
17	19.60	19.80	19.78	19.85	19.41	19.38	19.34	19.68	20.12	21.14	21.61	21.76
18	19.58	19.85	19.86	19.74	19.30	19.39	19.40	19.69	20.03	21.13	21.66	21.80
19	19.62	19.84	19.88	19.52	19.25	19.35	19.32	19.67	19.94	21.07	21.65	21.92
20	19.68	19.84	19.87	19.70	19.19	19.42	19.26	19.58	19.97	20.97	21.70	21.98
21	19.66	19.75	19.97	19.76	19.16	19.00	19.25	19.49	19.92	21.07	21.88	22.02
22	19.65	19.50	19.86	19.68	19.20	19.45	19.24	19.52	19.98	21.20	21.97	21.97
23	19.68	19.80	19.82	19.61	19.10	19.47	19.26	19.58	20.08	21.28	21.90	21.90
24	19.69	19.68	19.74	19.54	19.10	19.50	19.24	19.69	20.07	21.28	21.84	21.96
25	19.64	19.70	19.86	19.43	19.10	19.46	19.18	19.68	20.31	21.29	21.85	22.10
26	19.48	19.73	20.11	19.25	19.14	19.22	19.19	19.66	20.53	21.37	21.94	22.14
27	19.46	19.74	20.09	19.63	19.22	19.18	19.14	19.62	20.56	21.41	22.01	22.11
28	19.44	19.70	19.97	19.74	19.26	19.20	19.18	19.71	20.58	21.41	21.99	22.07
29	19.34	19.68	19.72	19.65	---	19.19	19.29	19.83	20.59	21.41	21.81	22.03
30	19.20	19.68	19.83	19.74	---	19.24	19.42	19.76	20.62	21.41	21.77	22.05
31	19.26	---	19.74	19.78	---	19.25	---	19.77	---	21.39	21.80	---
MEAN	19.48	19.69	19.80	19.67	19.37	19.34	19.23	19.59	20.05	21.08	21.76	21.88

WTR YR 1986 MEAN 20.08 HIGH 19.00 LOW 22.14

MILLER COUNTY

310651084404501 Local number, 08G001.
LOCATION--Lat 31°06'51", long 84°40'45", Hydrologic Unit 03130010, 1 mi northeast of Boykin, Ga.
Owner: Jack Fleet.
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.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	39.04	39.78	27.05	26.12	24.23	13.50	17.46	26.71	33.66	37.93	40.71	40.58
2	39.07	39.96	27.40	26.10	24.46	13.60	17.64	27.48	34.20	38.20	40.99	40.51
3	39.12	40.13	27.56	26.10	24.63	13.72	18.00	26.81	35.30	38.43	41.13	40.46
4	39.14	40.34	27.54	26.08	24.74	13.88	18.30	26.47	35.88	38.83	41.19	40.39
5	39.18	40.58	27.45	26.08	24.30	14.00	18.90	27.95	35.51	38.96	41.22	40.30
6	39.22	40.45	27.60	26.18	19.73	14.08	19.60	29.06	34.92	38.95	41.29	40.23
7	39.26	40.58	27.80	26.04	14.77	14.16	19.10	29.62	35.90	38.85	41.26	40.17
8	39.32	40.42	27.92	25.92	13.80	14.22	19.04	30.60	37.57	39.19	41.20	40.10
9	39.36	40.58	28.15	25.93	13.70	14.33	19.20	31.57	37.09	39.50	41.00	40.08
10	39.38	40.82	28.42	25.60	13.24	14.40	19.40	30.78	36.13	39.65	40.88	40.03
11	39.40	40.70	28.58	25.16	12.08	14.47	19.60	31.10	35.88	39.85	41.12	40.00
12	39.43	40.55	28.64	24.37	11.24	14.56	19.80	31.57	36.10	39.85	41.40	39.99
13	39.48	40.78	27.73	23.00	11.32	14.65	20.00	31.14	36.10	40.20	41.22	39.99
14	39.53	40.94	24.77	21.67	11.40	14.74	20.28	31.55	35.66	40.26	40.96	40.00
15	39.58	41.05	21.40	20.83	11.57	14.82	20.50	32.55	35.72	40.39	40.89	40.01
16	39.66	41.22	19.55	20.28	11.73	14.90	20.71	32.86	35.71	40.42	40.90	40.08
17	39.70	41.33	19.36	20.06	11.88	14.98	20.90	32.20	35.70	40.30	40.96	40.11
18	39.72	41.00	19.82	19.98	12.00	15.06	21.05	32.50	35.63	40.30	41.00	40.22
19	39.73	40.53	20.25	19.98	12.16	15.16	22.02	33.23	35.60	40.52	41.08	40.32
20	39.74	39.96	20.70	20.15	12.30	15.23	22.75	32.36	35.73	40.67	41.21	40.38
21	39.77	37.71	21.18	20.50	12.45	15.30	22.10	31.30	36.00	40.61	41.00	40.43
22	40.00	33.48	21.67	20.86	12.56	15.36	22.14	31.10	36.22	40.68	40.88	40.49
23	40.30	29.86	22.04	21.18	12.65	15.43	22.26	32.05	36.79	40.86	40.92	40.48
24	40.22	28.03	22.54	21.48	12.76	15.50	22.47	33.90	37.10	40.88	40.97	40.48
25	40.08	26.37	23.44	21.75	12.88	15.56	22.84	34.08	37.51	40.67	40.78	40.62
26	40.04	24.93	24.34	21.96	12.95	15.80	24.20	34.46	37.41	40.50	40.65	40.78
27	40.04	24.65	24.67	22.25	13.15	16.22	25.58	35.56	37.45	40.41	40.63	40.97
28	40.03	25.20	25.10	22.65	13.34	16.87	25.00	33.87	38.05	40.37	40.68	41.06
29	40.00	25.90	25.52	22.95	---	17.05	24.44	34.20	38.35	40.39	40.70	40.99
30	39.97	26.52	25.75	23.55	---	17.19	25.55	35.09	38.03	40.58	40.68	40.97
31	39.97	---	26.02	23.97	---	17.32	---	34.44	---	40.59	40.64	---
MEAN	39.63	36.48	24.84	23.18	14.93	15.03	21.03	31.55	36.23	39.93	40.97	40.37

WTR YR 1986 MEAN 30.44 HIGH 11.24 LOW 41.40

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. Water levels for period of missing record, Mar. 15-28, and Apr. 1-20, were estimated.
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.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	149.69	149.16	148.99	149.13	147.01	146.40	144.81	151.38	155.32	161.23	160.99	159.33
2	149.31	148.91	149.69	149.29	146.92	146.26	145.08	152.05	155.32	161.02	161.35	158.44
3	149.11	148.82	150.10	148.74	146.86	146.32	144.32	151.79	155.36	160.83	161.61	158.51
4	149.19	149.98	150.00	148.90	146.47	146.22	145.56	152.10	155.64	160.72	162.08	158.37
5	148.99	149.79	149.73	148.94	146.30	146.28	145.87	153.11	155.69	160.67	161.46	159.04
6	148.79	149.87	149.64	147.57	146.14	145.50	146.23	152.63	156.48	160.63	161.48	158.32
7	149.14	149.86	149.35	146.42	146.42	146.47	146.63	152.29	156.72	160.50	160.74	157.99
8	149.37	149.91	149.32	147.30	146.32	146.59	146.94	152.39	156.19	160.26	159.48	157.55
9	149.38	150.01	149.72	147.24	146.31	146.46	147.05	153.27	156.97	160.08	159.84	159.62
10	149.06	149.28	150.24	146.88	146.38	146.70	147.51	154.13	156.95	160.00	160.79	159.29
11	149.00	150.08	150.03	147.04	146.87	146.52	147.56	154.24	156.48	160.10	160.62	159.35
12	149.39	149.83	149.38	146.85	148.01	147.08	147.68	154.08	156.53	160.25	160.48	158.12
13	149.08	150.19	149.14	147.01	147.84	146.86	147.79	154.19	156.92	160.44	159.24	157.93
14	149.13	150.22	150.09	147.66	147.24	146.23	147.89	154.67	157.35	160.67	159.74	157.77
15	149.52	148.75	151.16	147.42	146.69	146.17	147.90	154.69	157.16	161.89	160.44	158.39
16	151.59	150.50	151.69	147.09	146.51	146.01	147.98	155.44	156.77	161.06	158.11	157.80
17	152.94	150.16	151.43	146.99	146.10	145.98	148.23	156.06	156.74	161.21	159.35	157.96
18	150.53	150.85	151.08	146.87	146.07	145.86	148.53	155.67	157.20	161.34	158.97	157.74
19	149.96	150.56	151.14	146.46	145.76	145.70	148.83	154.98	156.93	161.44	159.04	157.81
20	150.80	150.87	151.17	146.75	145.33	145.59	148.99	154.96	157.14	161.49	159.26	158.28
21	150.79	150.04	151.50	146.80	146.00	145.48	150.31	155.10	157.17	161.65	158.99	158.33
22	151.15	149.77	150.94	145.62	145.92	145.32	149.30	155.20	157.07	161.40	160.54	159.70
23	150.88	150.06	150.64	146.07	145.85	145.09	148.87	155.80	157.32	160.27	161.37	158.06
24	150.76	149.55	150.13	146.39	145.56	144.90	149.29	155.93	158.66	160.91	158.38	158.01
25	150.78	149.94	150.47	145.94	145.81	144.72	149.47	156.08	161.71	160.05	159.90	157.95
26	150.52	149.88	151.61	145.70	146.12	144.55	150.60	156.42	161.82	159.92	160.38	158.08
27	149.42	149.87	150.42	147.32	145.59	144.43	150.02	156.04	161.94	159.76	161.08	159.00
28	149.26	149.22	148.78	148.64	145.65	144.51	150.34	156.14	161.96	159.31	159.85	156.50
29	149.75	149.12	147.87	149.17	---	144.65	150.64	155.97	161.78	158.63	160.18	158.17
30	148.83	149.19	147.90	147.59	---	144.65	150.64	155.98	161.51	160.00	160.02	157.80
31	149.47	---	149.70	146.45	---	144.66	---	155.76	---	160.53	160.82	---
MEAN	149.86	149.81	150.10	147.30	146.36	145.75	148.03	154.47	157.69	160.59	160.21	158.31

WTR YR 1986 MEAN 152.41 HIGH 144.32 LOW 162.08

SPALDING COUNTY

331507084171801 Local number, 11AA01.
LOCATION--Lat 33°15'07", long 84°17'18", 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.-Water levels for period of missing record, Nov. 9-15, were estimated.
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.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	18.30	18.73	17.82	16.76	17.75	17.41	16.42	17.38	18.82	19.69	20.79	21.36
2	18.32	18.70	17.60	16.80	17.75	17.41	16.40	17.45	18.86	19.72	20.82	21.35
3	18.33	18.62	17.39	16.80	17.74	17.38	16.43	17.53	18.92	19.76	20.85	21.35
4	18.35	18.51	17.20	16.83	17.76	17.40	16.46	17.58	18.96	19.80	20.87	21.34
5	18.36	18.41	17.03	16.90	17.77	17.42	16.47	17.62	18.98	19.84	20.90	21.32
6	18.40	18.34	16.92	16.93	17.77	17.41	16.47	17.67	19.00	19.88	20.93	21.29
7	18.44	18.26	16.86	16.97	17.82	17.46	16.45	17.72	19.04	19.91	20.96	21.29
8	18.49	18.25	16.77	17.09	17.83	17.55	16.42	17.75	19.08	19.95	20.98	21.27
9	18.52	18.24	16.73	17.08	17.84	17.54	16.48	17.81	19.12	19.97	21.00	21.27
10	18.52	18.24	16.71	17.00	17.79	17.50	16.51	17.90	19.15	20.02	21.00	21.27
11	18.55	18.21	16.63	17.08	17.79	17.51	16.52	17.94	19.14	20.05	21.01	21.27
12	18.59	18.19	16.58	17.11	17.83	17.55	16.56	17.98	19.16	20.09	21.02	21.27
13	18.63	18.17	16.54	17.13	17.80	17.58	16.60	18.03	19.19	20.14	21.03	21.30
14	18.66	18.14	16.62	17.17	17.68	17.46	16.65	18.10	19.21	20.18	21.03	21.33
15	18.69	18.12	16.58	17.27	17.66	17.42	16.66	18.17	19.23	20.21	21.03	21.35
16	18.74	18.11	16.54	17.31	17.63	17.37	16.71	18.20	19.26	20.25	21.02	21.37
17	18.79	18.14	16.52	17.31	17.55	17.34	16.77	18.22	19.29	20.29	21.02	21.37
18	18.81	18.16	16.53	17.28	17.50	17.27	16.83	18.27	19.31	20.33	21.03	21.37
19	18.82	18.17	16.55	17.26	17.45	17.21	16.88	18.31	19.35	20.36	21.05	21.36
20	18.84	18.17	16.52	17.36	17.44	17.19	16.84	18.36	19.38	20.39	21.07	21.33
21	18.87	18.16	16.55	17.42	17.41	17.09	16.85	18.41	19.40	20.43	21.10	21.31
22	18.91	18.15	16.52	17.45	17.38	17.00	16.98	18.45	19.44	20.49	21.12	21.29
23	18.95	18.16	16.48	17.50	17.37	16.88	17.06	18.51	19.47	20.53	21.15	21.29
24	18.98	18.15	16.49	17.55	17.33	16.80	17.11	18.57	19.50	20.56	21.16	21.29
25	19.00	18.14	16.60	17.52	17.33	16.74	17.11	18.60	19.53	20.60	21.18	21.33
26	19.02	18.14	16.65	17.48	17.26	16.65	17.15	18.64	19.58	20.64	21.20	21.36
27	19.04	18.15	16.65	17.54	17.28	16.56	17.20	18.70	19.59	20.67	21.22	21.37
28	18.98	18.14	16.66	17.61	17.40	16.52	17.24	18.75	19.60	20.70	21.25	21.38
29	18.93	18.15	16.66	17.63	---	16.50	17.31	18.78	19.62	20.72	21.29	21.41
30	18.87	18.01	16.73	17.72	---	16.46	17.35	18.78	19.66	20.75	21.32	21.43
31	18.78	---	16.70	17.73	---	16.44	---	18.80	---	20.77	21.35	---
MEAN	18.69	18.24	16.75	17.24	17.60	17.16	16.76	18.16	19.26	20.25	21.06	21.33

WTR YR 1986 MEAN 18.55 HIGH 16.40 LOW 21.43

313055081521901 Local number, 31L001.
LOCATION--Lat 31°31'02", long 81°52'22", Hydrologic Unit 03070106, about 6 mi south of Jesup near Penholoway Creek on Walker Creek.
Owner: Brunswick Pulp and Paper, Justice Mears 2.
AQUIFER.--Upper Floridan aquifer.
WELL CHARACTERISTICS.--Drilled unused oil test well, diameter 6 in., depth 691 ft, open hole.
INSTRUMENTATION.--Water-level recorder.
DATUM.--Elevation of land-surface is 55 ft above National Geodetic Vertical Datum of 1929 (from topographic map). Measuring point: Top of 6 in. casing at land-surface datum.
REMARKS.-Well pumped and water quality sampled, August 2, 1978.
PERIOD OF RECORD.--February 1976 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 15.30 ft below land-surface datum, Dec. 16, 1977; lowest, 29.23 ft below land-surface datum, June 29, 1981.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	26.16	25.40	25.88	24.40	25.15	24.38	23.82	23.26	26.08	27.06	27.82	27.55
2	26.18	25.54	25.90	24.62	25.12	24.42	23.71	23.20	26.11	27.16	27.86	26.78
3	26.18	25.54	26.07	24.69	25.04	24.32	23.81	23.37	26.24	27.14	27.89	26.12
4	26.17	25.58	26.16	24.72	25.00	24.24	23.96	23.54	26.38	27.20	28.03	25.64
5	26.10	25.70	26.12	24.82	24.94	24.27	24.05	23.76	26.26	27.34	28.05	25.24
6	26.16	25.82	26.09	24.92	24.85	24.10	24.06	23.92	26.18	27.38	28.05	25.10
7	26.27	25.90	26.19	24.94	24.85	24.12	23.98	24.02	26.24	27.49	28.06	25.34
8	26.35	26.06	26.18	25.19	24.84	24.33	23.83	23.94	26.31	27.44	28.02	25.75
9	26.30	26.18	26.20	25.26	24.83	24.37	23.84	24.12	26.48	27.44	28.04	26.11
10	26.08	26.16	26.24	24.98	24.70	24.23	23.96	24.39	26.60	27.48	28.09	26.30
11	25.94	26.18	26.16	24.90	24.51	24.07	23.86	24.40	26.62	27.54	28.20	26.40
12	25.96	26.16	25.96	24.90	24.62	24.01	23.83	24.44	26.61	27.53	28.26	26.48
13	25.94	26.14	25.76	24.84	24.69	23.92	23.83	24.49	26.66	27.64	28.14	26.61
14	25.93	26.16	25.91	24.90	24.58	23.74	23.96	24.67	26.66	27.63	28.04	26.80
15	25.93	26.15	26.11	25.01	24.48	23.74	23.98	24.92	26.64	27.64	27.98	26.98
16	25.95	26.09	26.05	25.11	24.57	23.72	23.90	24.96	26.68	27.72	27.88	27.01
17	26.05	26.14	25.98	25.04	24.49	23.82	23.97	24.93	26.66	27.68	27.88	27.04
18	26.08	26.16	25.95	24.84	24.36	23.86	24.09	24.98	26.60	27.66	27.90	27.08
19	26.00	26.14	25.98	24.62	24.34	23.76	24.24	25.02	26.69	27.55	27.88	27.06
20	25.91	26.07	25.93	24.77	24.38	23.80	24.21	25.03	26.74	27.41	27.90	27.06
21	25.88	25.92	25.94	24.90	24.44	23.91	23.99	25.12	26.74	27.50	28.04	27.04
22	25.88	25.79	25.90	24.90	24.40	24.03	23.96	25.22	26.80	27.56	28.11	27.05
23	25.92	26.03	25.38	24.92	24.38	24.01	23.94	25.36	26.85	27.63	28.06	27.11
24	25.94	26.09	24.48	24.97	24.39	24.01	23.80	25.47	26.82	27.66	27.99	27.17
25	25.89	26.12	23.86	24.90	24.40	24.07	23.60	25.58	26.86	27.66	28.06	27.21
26	25.88	26.10	23.56	24.70	24.30	23.98	23.46	25.66	26.98	27.64	28.13	27.30
27	25.84	26.02	23.16	24.78	24.18	23.88	23.46	25.82	27.10	27.66	28.08	27.20
28	25.74	25.97	23.26	24.99	24.31	23.90	23.52	25.94	27.10	27.78	27.99	27.19
29	25.72	25.97	23.68	24.98	---	23.94	23.50	26.04	27.02	27.78	28.02	27.28
30	25.61	25.95	24.05	25.04	---	23.91	23.44	26.08	27.01	27.76	28.03	27.32
31	25.42	---	24.23	25.15	---	23.89	---	26.04	---	27.76	27.95	---
MEAN	25.98	25.97	25.43	24.89	24.61	24.02	23.85	24.76	26.62	27.53	28.01	26.68

WTR YR 1986 MEAN 25.71 HIGH 23.16 LOW 28.26

WAYNE COUNTY

313701081543501 Local number, 30L003.
LOCATION--Lat 31°37'01", long 81°54'35", Hydrologic Unit 03070106, about 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 survy 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, 85.27 ft below land-surface datum, June 29, 1981.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	81.59	80.70	81.38	79.90	80.73	79.83	79.42	78.06	81.82	82.67	83.35	82.64
2	81.60	80.81	81.38	80.14	80.77	79.84	79.32	78.06	81.82	82.76	83.37	81.26
3	81.62	80.87	81.58	80.23	80.75	79.76	79.37	78.27	81.94	82.78	83.47	80.34
4	81.61	80.94	81.72	80.31	80.71	79.68	79.56	78.59	82.03	82.84	83.58	79.74
5	81.54	81.10	81.77	80.44	80.64	79.67	79.71	79.00	81.96	82.89	83.60	79.42
6	81.61	81.24	81.71	80.49	80.48	79.51	79.78	79.32	81.82	82.98	83.62	79.34
7	81.68	81.28	81.68	80.54	80.42	79.48	79.71	79.51	81.82	83.06	83.56	79.80
8	81.67	81.44	81.72	80.83	80.46	79.76	79.55	79.52	81.96	83.07	83.50	80.70
9	81.60	81.62	81.74	80.98	80.46	79.90	79.50	79.68	82.14	83.03	83.60	81.21
10	81.36	81.63	81.82	80.70	80.36	79.79	79.58	79.98	82.30	83.10	83.73	81.40
11	81.14	81.63	81.76	80.49	80.16	79.59	79.52	80.08	82.35	83.17	83.87	81.60
12	81.18	81.60	81.54	80.50	80.08	79.47	79.44	80.12	82.36	83.16	83.93	81.74
13	81.17	81.57	81.34	80.42	80.16	79.40	79.42	80.23	82.39	83.18	83.82	81.88
14	81.26	81.55	81.45	80.50	80.14	79.24	79.50	80.38	82.42	83.19	83.68	82.09
15	81.28	81.54	81.64	80.54	80.02	79.13	79.56	80.52	82.43	83.26	83.58	82.24
16	81.27	81.00	81.65	80.59	80.12	79.15	79.48	80.59	82.43	83.33	83.48	82.30
17	81.00	81.52	81.58	80.55	80.10	79.26	79.48	80.55	82.38	83.18	83.46	82.42
18	81.44	81.58	81.50	80.40	79.96	79.35	79.66	80.57	82.34	83.10	83.40	82.40
19	81.44	81.59	81.50	80.22	79.92	79.31	79.84	80.58	82.39	83.10	83.43	82.36
20	81.39	81.54	81.48	80.30	79.91	79.31	79.86	80.56	82.44	82.94	83.48	82.37
21	81.35	81.47	81.49	80.44	79.90	79.40	79.62	80.68	82.40	82.88	83.58	82.38
22	81.30	81.29	81.38	80.44	79.84	79.48	79.30	80.78	82.44	82.91	83.67	82.41
23	81.33	81.48	80.48	80.47	79.79	79.50	79.06	80.88	82.49	82.95	83.69	82.48
24	81.36	81.58	78.70	80.52	79.84	79.54	78.80	81.02	82.50	83.06	83.67	82.53
25	81.33	81.64	77.81	80.50	79.83	79.60	78.57	81.10	82.46	83.12	83.69	82.56
26	81.28	81.64	77.37	80.34	79.78	79.62	78.37	81.18	82.52	83.13	83.74	82.62
27	81.25	81.56	77.02	80.42	79.64	79.54	78.40	81.36	82.64	83.22	83.70	82.58
28	81.17	81.52	77.45	80.64	79.76	79.48	78.53	81.54	82.67	83.36	83.60	82.56
29	81.12	81.52	78.34	80.69	---	79.51	78.45	81.67	82.66	83.32	83.61	82.65
30	80.96	81.52	79.08	80.74	---	79.50	78.29	81.74	82.64	83.22	83.62	82.74
31	80.72	---	79.60	80.77	---	79.49	---	81.78	---	83.32	83.50	---
MEAN	81.34	81.40	80.67	80.49	80.17	79.52	79.29	80.25	82.30	83.07	83.60	81.76

WTR YR 1986 MEAN 81.16 HIGH 77.02 LOW 83.93

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 survy conducted June 5, 1975. Water levels for period of missing record, Aug. 27 to Sept. 7, were estimated.
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, 204.67 ft below land-surface datum, Aug. 10, 1986.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	200.69	200.13	200.19	200.16	200.31	199.53	199.45	201.81	203.39	203.34	204.05	202.96
2	200.68	200.30	200.30	200.22	200.24	199.58	199.37	201.88	203.35	203.30	204.04	202.97
3	200.71	200.29	200.48	200.17	200.09	199.48	199.47	202.04	203.45	203.27	204.10	202.98
4	200.69	200.37	200.50	200.12	199.97	199.45	199.61	202.21	203.45	203.35	204.11	202.92
5	200.63	200.42	200.37	200.19	199.84	199.51	199.68	202.34	203.41	203.44	204.15	202.77
6	200.69	200.47	200.34	200.27	199.72	199.41	199.68	202.46	203.41	203.55	204.24	202.62
7	200.82	200.48	200.44	200.26	199.82	199.49	199.61	202.59	203.38	203.57	204.42	202.49
8	200.93	200.67	200.39	200.50	199.84	199.68	199.43	202.60	203.38	203.51	204.52	202.55
9	200.93	200.73	200.43	200.47	199.85	199.66	199.44	202.76	203.43	203.47	204.61	202.61
10	200.79	200.69	200.50	200.09	199.65	199.50	199.53	203.05	203.49	203.51	204.67	202.60
11	200.72	200.68	200.37	200.13	199.70	199.40	199.49	203.07	203.43	203.54	204.60	202.54
12	200.75	200.66	200.17	200.15	199.99	199.36	199.52	203.02	203.35	203.63	204.53	202.46
13	200.77	200.64	200.00	200.11	200.12	199.33	199.54	203.01	203.33	203.84	204.49	202.48
14	200.75	200.62	200.32	200.20	199.86	199.19	199.65	203.10	203.30	203.97	204.45	202.55
15	200.79	200.60	200.48	200.34	199.79	199.26	199.66	203.24	203.24	204.00	204.32	202.56
16	200.89	200.58	200.43	200.45	199.82	199.29	199.64	203.31	203.22	203.94	204.17	202.53
17	201.05	200.61	200.38	200.36	199.68	199.40	199.72	203.28	203.18	203.94	204.06	202.54
18	201.13	200.64	200.38	200.13	199.55	199.38	199.85	203.24	203.16	204.03	203.97	202.59
19	201.05	200.60	200.44	199.89	199.47	199.27	199.96	203.11	203.17	204.02	203.94	202.60
20	200.94	200.52	200.37	200.00	199.51	199.38	199.81	203.01	203.12	203.97	203.91	202.58
21	200.87	200.26	200.40	200.12	199.54	199.56	199.68	202.98	203.05	204.04	203.99	202.54
22	200.85	200.13	200.33	200.15	199.53	199.71	199.84	203.06	203.07	204.23	204.04	202.48
23	200.87	200.40	200.09	200.14	199.55	199.72	200.04	203.21	203.02	204.42	203.92	202.44
24	200.88	200.46	199.97	200.21	199.49	199.71	201.02	203.34	202.98	204.57	203.78	202.45
25	200.79	200.46	200.18	200.06	199.53	199.74	201.46	203.37	203.00	204.62	203.79	202.56
26	200.73	200.42	200.44	199.79	199.38	199.63	201.48	203.37	203.10	204.58	203.85	202.63
27	200.65	200.34	200.41	199.88	199.20	199.48	201.54	203.60	203.36	204.44	203.90	202.62
28	200.52	200.24	200.31	200.12	199.42	199.47	201.59	203.81	203.35	204.31	203.80	202.63
29	200.49	200.23	200.21	200.06	---	199.54	201.71	203.88	203.27	204.19	203.65	202.70
30	200.31	200.22	200.33	200.21	---	199.49	201.78	203.49	203.29	204.13	203.42	202.74
31	200.11	---	200.18	200.29	---	199.47	---	203.41	---	204.09	203.16	---
MEAN	200.76	200.46	200.33	200.17	199.73	199.49	200.08	202.99	203.27	203.90	204.09	202.62

WTR YR 1986 MEAN 201.50 HIGH 199.19 LOW 204.67

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 Southeast 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 current year (weekly composite wet precipitation).
INSTRUMENTATION.--Wet/dry precipitation collector and recording rain gage.
REMARKS.--Unless otherwise noted, chemical analyses reported are for wet precipitation. A "B" appended to the sample date indicates a bulk precipitation sample was collected instead of a wet precipitation sample. 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.

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME (GMT)	ATM DEP WET TOTAL FOR PERIOD (IN)	SAMPLE SIZE (ML)	COL-LECTOR EFFI-CIENCY RATIO	SPE-CIFIC CON-DUCT-ANCE (US/CM)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM)	PH (STAND-ARD UNITS)	PH LAB (STAND-ARD UNITS)
OCT								
04-11	1400	0.14	220	0.92	37	41	4.32	4.23
18-25	1300	0.78	1200	0.92	10	12	4.92	4.89
NOV								
01-08	1415	0.23	270	0.67	22	20	4.52	4.57
08-15	1545	0.10	89	0.52	22	21	4.64	4.68
15-22	1415	1.50	2000	0.79	6	5	6.08	6.04
22-29	1415	3.80	6200	0.94	4	4	5.42	5.15
NOV 29-DEC 06	1415	1.93	3200	0.96	6	5	5.45	5.44
DEC								
06-13	1430	1.51	2400	0.94	4	4	5.30	5.59
13-20	1430	0.71	1000	0.82	11	10	4.81	4.86
20-27	1430	0.17	190	0.67	14	13	4.53	4.72
JAN								
03-10	1435	0.12	95	0.46	28	23	4.42	4.93
10-17	1400	0.61	690	0.65	10	8	4.87	4.99
17-24	1400	2.39	3900	0.95	10	8	4.94	5.05
24-31	1530	3.29	5200	0.92	3	4	5.46	5.22
JAN 31-FEB 07	1430	0.65	760	0.68	4	3	5.32	5.61
FEB								
07-14	1425	0.73	950	0.75	13	12	4.83	4.82
14-21	1430	0.0	5	--	--	--	--	6.62
21-28	1445	2.78	3100	0.66	8	8	4.97	4.96
FEB 28-MAR 06	1430	5.27	4900	0.54	4	3	5.32	5.50
MAR								
06-13	1410	0.40	590	0.85	17	14	4.61	4.75
20-28	1415	2.52	220	0.05	16	15	4.90	5.11
MAR 28-APR 03B	1600	0.84	1500	1.0	22	16	4.48	4.79
APR								
03-10B	1645	1.25	1300	0.60	37	45	5.76	6.86
17-24B	1415	5.62	8800	0.91	8	8	5.08	5.99
MAY								
08-15	1450	0.93	940	0.59	6	6	5.20	5.89
22-29B	1400	2.64	3700	0.81	12	19	5.09	6.57
MAY 29-JUN 05B	1615	0.75	60	0.05	--	261	--	3.53
JUN								
19-26B	1400	0.55	200	0.21	114	--	5.29	--
JUN 26-JUL 03	1400B	1.93	2800	0.85	32	32	4.31	4.31
JUL								
10-17B	1400	1.40	1500	0.61	31	44	6.48	7.01
17-24B	1400	1.53	1900	0.73	13	18	5.75	6.49
24-31B	1430	--	5100	--	9	10	5.35	5.04
JUL 31-AUG 07	1540	0.33	590	1.0	15	14	4.83	4.78
AUG								
07-14	1430	0.67	1200	1.0	22	22	4.55	4.40
14-21	1400	1.05	1800	1.0	49	47	4.02	4.04
21-28	1400	2.80	4800	1.0	26	29	4.33	4.23
SEP								
04-11	1410	0.52	860	0.96	36	38	4.16	4.10
SEP 25-OCT 02	1400	0.11	170	0.89	15	14	4.69	4.68

312825083315950 TIFTON-AGRICULTURAL RESEARCH SERVICE STATION NEAR TIFTON, GA.--Continued

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	PERCENT SODIUM	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 NO3)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS NH4)	PHOS-PHATE, DIS-SOLVED (MG/L AS PO4)
OCT											
04-11	0.40	0.13	0.82	49	0.3	0.27	5.0	1.1	2.4	0.67	0.00
18-25	0.07	0.05	0.32	61	0.2	0.05	1.1	0.51	0.76	0.22	0.00
NOV											
01-08	0.19	0.07	0.25	39	0.1	0.07	2.0	0.31	1.3	0.17	0.00
08-15	0.24	0.11	0.54	50	0.2	0.09	3.0	0.64	1.3	0.38	0.00
15-22	0.26	0.03	0.12	19	0.1	0.28	0.9	<0.29	<0.02	<0.02	0.00
22-29	0.01	0.01	0.09	69	0.1	0.01	0.4	0.18	0.11	0.04	0.00
NOV 29-DEC 06	0.04	0.04	0.32	70	0.3	0.02	0.7	0.51	0.21	0.04	0.00
DEC											
06-13	0.04	0.02	0.13	55	0.1	0.02	0.6	0.23	0.22	0.05	0.00
13-20	0.08	0.03	0.21	56	0.2	0.03	1	0.35	0.56	0.07	0.00
20-27	0.17	0.04	0.18	38	0.1	0.03	1.4	0.24	1.1	0.13	0.00
JAN											
03-10	0.46	0.22	1.4	57	0.4	0.18	2.2	2.2	1.9	0.20	0.00
10-17	0.09	0.03	0.10	36	0.1	0.02	0.9	0.16	0.53	0.15	0.00
17-24	0.04	0.06	0.36	62	0.3	0.12	0.9	0.65	0.26	<0.02	0.01
24-31	<0.01	0.01	0.04	--	--	0.00	0.3	0.06	0.13	0.04	0.00
JAN 31-FEB 07	0.04	0.01	0.05	42	0.1	0.01	0.4	0.11	0.20	<0.02	0.00
FEB											
07-14	0.08	0.08	0.60	69	0.4	0.06	1.1	1.1	0.60	0.13	0.00
21-28	0.10	0.03	0.14	42	0.1	0.05	1	0.22	0.47	0.12	0.00
FEB 28-MAR 06	0.04	0.02	0.08	47	0.1	0.02	0.4	0.08	0.14	0.06	0.00
MAR											
06-13	0.19	0.06	0.22	39	0.1	0.04	1.7	0.35	0.88	0.25	0.00
20-28	0.57	0.13	0.27	18	0.1	0.54	2.0	0.97	1.3	0.04	0.00
MAR 28-APR 03B	0.53	0.09	0.23	20	0.1	0.27	1.8	0.42	0.42	0.04	0.00
APR											
03-10B	1.8	0.36	0.53	13	0.1	1.3	6.0	1.0	3.1	2.4	0.41
17-24B	0.16	0.04	0.22	42	0.1	0.10	0.6	0.41	0.28	<0.02	0.01
MAY											
08-15	0.16	0.07	0.22	33	0.1	0.24	1.5	0.34	0.56	0.08	0.01
22-29B	0.09	0.05	0.15	23	0.1	0.51	1.1	0.36	0.86	3.4	1.2
MAY 29-JUN 05B	5.1	1.2	1.5	13	0.2	2.2	48	2.7	21	6.1	0.36
JUN 26-JUL 03B	0.28	0.05	0.12	16	0.1	0.36	3.5	0.29	0.62	<0.02	0.00
JUL											
10-17B	0.74	0.17	0.15	6	0.0	2.5	3.7	0.59	1.7	3.7	1.0
17-24B	0.34	0.22	0.20	8	0.1	2.5	1.1	0.62	0.41	<0.02	0.17
24-31B	0.25	0.08	0.37	41	0.2	0.16	0.9	0.67	0.82	<0.02	0.00
JUL 31-AUG 07	0.27	0.09	0.54	50	0.2	0.10	1.1	0.91	1.1	<0.02	0.01
AUG											
07-14	0.10	0.04	0.19	45	0.1	0.05	2.1	0.28	1.4	0.17	0.00
14-21	0.07	0.02	0.04	22	0.0	0.04	5.2	0.10	1.2	0.58	0.00
21-28	0.03	0.02	0.05	39	0.1	0.03	2.7	0.12	1.1	0.33	0.00
SEP											
04-11	0.16	0.05	0.09	23	0.0	0.07	3.7	0.16	1.5	0.24	0.00
SEP 25-OCT 02	0.20	0.10	0.31	40	0.1	0.05	1.2	0.31	1.5	0.07	0.00

312825083315950 TIFTON-AGRICULTURAL RESEARCH SERVICE STATION NEAR TIFTON, GA.--Continued

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME (GMT)	ATM DEP WET TOTAL FOR PERIOD (IN)	SAMPLE SIZE (ML)	COL-LECTOR EFFI-CIENCY RATIO	SPE-CIFIC CON-DUCT-ANCE (US/CM)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM)	PH (STAND-ARD UNITS)	PH LAB (STAND-ARD UNITS)
OCT								
16-23	1355	0.93	1600	1.0	6	7	5.55	5.47
23-30	1400	1.37	2400	1.0	5	6	5.29	5.12
OCT 30-NOV 06	1400	2.09	3800	1.0	7	7	5.20	5.16
NOV								
06-13	1400	0.16	290	1.1	7	7	5.10	5.83
13-20	1355	0.26	470	1.0	13	12	5.07	5.69
20-27	1405	0.37	620	0.97	30	29	4.08	4.22
NOV 27-DEC 04	1410	0.51	880	1.0	11	10	4.74	4.96
DEC								
04-11	1405	0.66	1100	1.0	24	22	4.28	4.49
11-18	1400	0.0	8	--	--	35	--	7.03
18-26	1400	0.03	58	1.1	--	24	--	5.69
JAN								
02-08	1400	2.45	4200	0.99	6	5	5.13	5.30
15-22	1400	0.28	480	0.98	21	15	4.66	4.83
22-29	1400	0.29	480	0.97	11	8	4.72	4.99
JAN 29-FEB 05	1400	1.47	2500	1.0	17	13	4.65	4.69
FEB								
05-12	1400	1.72	2900	0.99	7	6	5.06	5.12
12-19	1400	0.09	160	1.0	56	44	4.04	4.18
19-26	1400	0.0	5	--	--	18	--	6.48
FEB 26-MAR 05	1400	1.74	3000	1.0	10	10	4.87	4.85
MAR								
12-19	1400	0.74	1200	0.92	27	25	4.33	4.41
19-26	1400	0.58	1000	1.0	22	23	4.99	5.01
MAR 26-APR 02	1400	0.0	17	--	--	25	--	5.29
APR								
02-09	1400	1.12	1900	0.99	12	10	5.74	5.79
09-16	1400	0.51	850	0.97	18	16	4.60	4.73
23-30	1415	0.0	8	--	--	44	--	5.14
APR 30-MAY 07	1400	1.42	2400	0.98	12	10	4.84	4.83
MAY								
07-14	1400	2.44	4200	1.0	10	10	4.95	4.94
14-21	1400	0.16	280	1.0	35	30	4.13	4.26
21-28	1400	0.62	1100	0.98	10	10	4.82	4.80
MAY 28-JUN 04	1400	0.46	790	1.0	56	53	3.96	3.96
JUN								
11-18	1400	1.72	2900	0.97	7	7	5.02	5.02
18-25	1400	0.19	340	1.0	19	19	4.52	4.63
JUL								
02-09	1400	1.10	1900	0.99	6	7	4.88	4.93
09-16	1400	1.57	2600	0.97	19	20	4.37	4.32
23-30	1400	0.33	570	1.0	8	8	4.81	4.91
JUL 30-AUG 06	1400	0.21	370	1.0	50	45	3.83	4.07
AUG								
06-13	1400	0.84	1400	0.96	16	16	4.25	4.51
13-20	1400	1.39	2400	1.0	11	11	4.93	4.74
20-27	1400	1.55	2700	1.0	16	16	3.50	4.56
AUG 27-SEP 03	1400	2.72	4700	1.0	5	5	5.85	5.67
SEP								
03-10	1400	0.16	290	1.1	10	8	4.53	5.73
17-24	1400	0.65	1100	1.0	18	19	4.45	4.48
SEP 24-OCT 01	1400	0.67	1200	1.0	9	8	4.89	5.05

312825083315950 TIFTON-AGRICULTURAL RESEARCH SERVICE STATION NEAR TIFTON, GA.--Continued

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	PERCENT SODIUM	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 NO3)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS NH4)	PHOS-PHATE, DIS-SOLVED (MG/L AS PO4)
OCT											
16-23	0.07	0.05	0.34	63	0.2	0.04	0.7	0.51	0.53	0.29	0.01
23-30	0.04	0.03	0.14	55	0.1	0.02	0.6	0.21	0.44	0.08	0.00
OCT 30-NOV 06	0.03	0.02	0.12	57	0.1	0.03	0.9	0.21	0.76	0.40	0.01
NOV											
06-13	0.19	0.14	0.54	51	0.2	0.08	0.8	<0.69	<0.02	0.05	0.00
13-20	0.13	0.18	1.3	70	0.5	0.08	1.0	2.2	0.43	0.19	0.00
20-27	0.08	0.04	0.13	41	0.1	0.02	2.9	0.29	0.94	0.17	0.00
NOV 27-DEC 04	0.11	0.07	0.37	56	0.2	0.07	1.0	0.51	0.60	0.06	0.00
DEC											
04-11	0.14	0.07	0.30	48	0.2	0.05	1.9	0.52	1.3	0.21	0.01
18-26	0.49	0.34	2.2	59	0.6	0.48	2.5	2.3	1.6	0.05	0.01
JAN											
02-08	0.04	0.03	0.25	67	0.2	0.02	0.6	0.41	0.25	0.07	0.00
15-22	0.15	0.12	0.72	62	0.3	0.07	1.4	1.2	1.1	0.18	0.00
22-29	0.11	0.05	0.11	32	0.1	0.02	1.0	0.09	0.47	0.08	0.00
JAN 29-FEB 05	0.10	0.04	0.28	56	0.2	0.04	1.3	0.50	0.70	0.19	0.01
FEB											
05-12	0.08	0.03	0.23	57	0.2	0.03	0.7	0.38	0.28	0.09	0.00
12-19	0.39	0.05	0.11	16	0.0	0.06	2.9	0.24	5.6	0.65	0.00
19-26	<0.65	<0.22	0.29	--	--	<0.22	7.2	<2.9	<1.5	<1.5	<0.22
FEB 26-MAR 05	0.07	0.03	0.19	56	0.2	0.02	0.8	0.33	0.55	0.13	0.00
MAR											
12-19	0.08	0.04	0.26	57	0.2	0.04	2.2	0.46	1.2	0.29	0.00
19-26	0.71	0.21	1.3	52	0.4	0.10	2.0	2.3	2.2	0.32	0.01
MAR 26-APR 02	0.47	0.24	1.2	53	0.4	0.19	2.1	<2.1	<0.11	<0.11	0.02
APR											
02-09	0.47	0.09	0.64	45	0.2	0.13	1.2	1.1	0.80	0.24	0.00
09-16	0.22	0.09	0.18	20	0.1	0.51	2.0	0.38	1.2	<0.02	0.00
APR 30-MAY 07	0.06	0.03	0.15	50	0.1	0.04	1	0.24	0.61	0.15	0.00
MAY											
07-14	0.23	0.04	0.17	30	0.1	0.10	1.2	0.28	0.84	0.16	0.01
14-21	0.13	0.05	0.16	40	0.1	0.02	2.6	0.41	1.7	0.27	0.01
21-28	0.09	0.04	0.16	43	0.1	0.07	0.8	0.28	1.0	0.14	0.01
MAY 28-JUN 04	0.13	0.03	0.06	20	0.0	0.05	5.2	0.25	2.3	0.68	0.01
JUN											
11-18	0.12	0.04	0.17	43	0.1	0.04	0.6	0.31	0.49	<0.02	0.01
18-25	0.36	0.12	0.54	43	0.2	0.09	2.0	0.99	1.3	0.06	0.01
JUL											
02-09	0.06	0.02	0.07	38	0.1	0.02	0.6	0.15	0.57	0.06	0.02
09-16	0.07	0.03	0.07	34	0.1	0.02	1.8	0.11	1.0	0.17	0.01
23-30	0.12	0.05	0.19	44	0.1	0.02	0.5	0.36	0.14	<0.02	0.01
JUL 30-AUG 06	0.19	0.08	0.19	32	0.1	0.06	4.6	0.42	2.7	0.37	0.01
AUG											
06-13	0.10	0.03	0.13	39	0.1	0.03	1.2	0.28	0.13	<0.02	0.01
13-20	0.06	0.04	0.19	54	0.1	0.02	0.9	0.31	0.76	0.12	0.01
20-27	0.20	0.04	0.14	30	0.1	0.03	1.7	0.33	1.2	0.13	0.01
AUG 27-SEP 03	0.19	0.05	0.26	45	0.1	0.02	0.4	<0.50	<0.03	<0.02	0.01
SEP											
03-10	0.24	0.09	0.25	33	0.1	0.09	0.9	0.40	0.57	<0.02	0.01
17-24	0.06	0.04	0.12	42	0.1	0.03	1.8	0.23	0.68	0.08	0.01
SEP 24-OCT 01	0.04	0.03	0.11	46	0.1	0.06	1.1	0.21	0.33	<0.02	0.01

312825083315950 TIFTON-AGRICULTURAL RESEARCH SERVICE STATION NEAR TIFTON, GA.--Continued

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME (GMT)	ATM DEP WET TOTAL FOR PERIOD (IN)	SAMPLE SIZE (ML)	COL-LECTOR EFFI-CIENCY RATIO	SPE-CIFIC CON-DUCT-ANCE (US/CM)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM)	PH (STAND-ARD UNITS)	PH LAB (STAND-ARD UNITS)
OCT								
01-08	1400	1.16	2000	1.0	8	8	4.88	4.82
08-15	1420	0.62	1100	0.99	39	33	4.29	4.32
22-29	1400	1.81	3100	1.0	6	7	5.02	5.00
OCT 29-NOV 05	1400	0.90	1600	1.0	11	11	4.75	4.95
NOV								
05-12	1400	0.12	200	0.97	30	29	4.19	4.44
12-19	1400	0.0	7	--	--	56	--	5.08
19-26	1400	6.67	11000	0.97	4	5	5.02	5.18
NOV 26-DEC 03	1400	0.45	830	1.1	8	8	4.96	5.15
DEC								
10-17	1400	3.64	--	--	4	4	5.24	5.31
24-31	1400	0.32	520	0.94	23	20	4.40	4.39
JAN								
07-14	1400	1.49	2600	1.0	5	6	5.00	4.98
14-21	1400	0.07	130	1.1	25	23	4.47	4.61
21-28	1400	--	480	--	29	23	4.43	4.39
JAN 28-FEB 04	1400	0.0	7	--	--	28	--	7.03
FEB								
18-25B	1430	0.17	84	0.29	124	114	3.78	3.84
MAR								
11-18B	1400	1.36	1600	0.68	13	12	4.85	4.90
18-25	2015	1.37	2400	1.0	14	13	4.80	4.86
MAR 25-APR 01	1400	0.0	6	--	--	23	--	6.48
APR								
08-15	1400	0.08	130	0.94	36	21	4.25	4.60
MAY								
13-20	1400	0.16	240	0.87	14	11	4.59	4.88
JUN								
03-10	1400	0.21	360	1.0	29	31	4.35	4.37
10-17	1400	2.33	3900	0.98	17	18	4.53	4.55
JUN 24-JUL 01	1400	0.0	3	--	--	115	--	--
JUL								
01-08	1400	0.73	1300	1.0	--	11	4.79	4.71
15-22	1400	0.03	58	1.1	--	152	--	3.64
22-29	1400	1.98	3400	1.0	27	29	4.25	4.29
AUG								
05-12	1400	0.07	120	1.0	22	26	4.30	4.29
12-19	1400	2.42	4200	1.0	4	4	5.11	5.12
19-26	1400	0.40	690	1.0	14	15	4.55	4.58
AUG 26-SEP 02	1400	1.29	2200	0.98	5	6	5.36	5.64
SEP								
09-16	1400	0.71	1200	1.0	8	7	4.95	5.06

312825083315950 TIFTON-AGRICULTURAL RESEARCH SERVICE STATION NEAR TIFTON, GA.--Continued

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	PERCENT SODIUM	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 NO3)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS NH4)	PHOS- PHATE, DIS- SOLVED (MG/L AS PO4)
OCT											
01-08	0.03	0.02	0.12	60	0.1	0.01	0.7	0.27	0.41	<0.02	0.01
08-15	0.18	0.11	0.62	57	0.3	0.11	3.3	1.2	1.7	0.49	0.01
22-29	0.04	0.04	0.22	64	0.2	0.01	0.4	0.38	0.20	<0.02	0.01
OCT 29- NOV 05	0.06	0.08	0.59	72	0.4	0.03	0.7	1.0	0.48	<0.02	0.01
NOV											
05-12	0.29	0.11	0.37	38	0.2	0.10	3.0	0.63	2.4	0.12	0.01
19-26	0.05	0.02	0.13	53	0.1	0.02	0.4	0.24	0.08	<0.02	0.01
NOV 26- DEC 03	0.05	0.06	0.48	72	0.3	0.02	0.6	0.84	0.32	<0.02	0.01
DEC											
10-17	0.03	0.02	0.12	62	0.1	0.01	0.4	0.22	0.15	<0.02	0.01
24-31	0.07	0.05	0.25	58	0.2	0.02	1.7	0.46	1.2	0.10	0.01
JAN											
07-14	0.02	0.02	0.07	55	0.1	0.00	0.5	<0.11	<0.03	<0.02	0.01
14-21	0.13	0.15	1.0	68	0.5	0.06	2.0	1.8	0.87	<0.02	0.01
21-28	0.09	0.03	0.19	51	0.1	0.02	2.1	0.29	1.5	0.11	0.04
FEB											
18-25B	2.8	0.82	1.4	17	0.2	4.0	18	2.0	7.9	0.45	0.01
MAR											
11-18B	0.21	0.06	0.25	34	0.1	0.21	1.5	0.45	0.94	0.23	0.01
18-25	0.12	0.08	0.51	60	0.3	0.11	1.3	0.88	0.71	0.09	0.01
APR											
08-15	0.42	0.14	0.06	6	0.0	0.20	2.8	0.17	1.6	0.14	0.01
MAY											
13-20	0.11	0.04	0.15	38	0.1	0.07	0.9	0.24	1.3	0.25	0.01
JUN											
03-10	0.25	0.08	0.41	44	0.2	0.13	2.3	0.71	3.1	0.47	0.01
10-17	0.06	0.02	0.09	40	0.1	0.04	1.1	0.17	1.7	0.06	0.01
JUL											
01-08	0.09	0.05	0.22	50	0.1	0.04	0.8	0.39	0.93	0.08	0.01
15-22	1.2	0.87	0.26	8	0.0	0.17	22	0.76	9.5	1.7	0.01
22-29	0.23	0.03	0.04	10	0.0	0.09	2.9	0.11	1.7	0.20	0.01
AUG											
05-12	0.14	0.04	0.16	41	0.1	0.02	1.2	0.34	3.0	0.08	0.01
12-19	0.01	0.01	0.05	--	0.1	<0.00	0.3	0.08	0.28	<0.02	0.01
19-26	0.03	0.02	0.13	61	0.2	0.03	1.1	0.14	0.36	<0.02	0.01
AUG 26- SEP 02	0.04	0.03	0.09	21	0.1	0.43	0.7	0.14	0.42	0.07	0.02
SEP											
09-16	0.07	0.03	0.23	57	0.2	0.05	0.7	0.37	0.58	0.07	0.01

TOWNS COUNTY

344840083412650 PRECIPITATION-QUALITY STATION NEAR WHETSONE GAP, GA.

LOCATION.--Lat 34°48'40", long 83°41'26", Towns County, Hydrologic Unit 06020002, Brier Creek watershed, in the Tray Mountain Wilderness study area of the Chattahoochee National Forest, 2.2 mi southeast of the mouth of Brier Creek and 0.6 mi northeast of the summit of Brier Creek Bald.
PERIOD OF RECORD.--August 1985 to September 1986 (composite wet precipitation) (discontinued). March to September 1986 (composite bulk precipitation) (discontinued).
INSTRUMENTATION.--Wet/dry precipitation collector, bulk precipitation collector, and recording rain gage.
REMARKS.--Unless otherwise noted, chemical analyses reported are for wet precipitation. A "B" appended to the sample date indicates that the analysis is for a bulk precipitation sample.

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	PRECIP-ITATION (INCHES)	SAMPLE SIZE (ML)	COL-LECTOR EFFI-CIENCY RATIO	SPE-CIFIC CON-DUCT-ANCE (US/CM)	PH (STAND-ARD UNITS)
AUG 19-27	1235	2.6	4500	1.1	28	4.15
AUG 27-SEP 03	0920	1.4	2500	1.1	6	5.89
SEP 03-10	0945	0.13	--	--	15	4.57
SEP 24-OCT 01	1030	0.53	890	1.0	45	3.99

DATE	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	PERCENT SODIUM	SODIUM AD-SORP-TION RATIO	POTAS-SIUM, DIS-SOLVED (MG/L AS K)
AUG 27-SEP 03	0.32	0.10	0.24	29	0.1	0.05

DATE	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	BROMIDE DIS-SOLVED (MG/L AS BR)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	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)
AUG 27-SEP 03	0.7	0.23	<0.010	0.02	--	0.234	<0.010

344840083412650 PRECIPITATION-QUALITY STATION NEAR WHETSTONE GAP, GA.--Continued

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	PRECIP-ITATION (INCHES)	SAMPLE SIZE (ML)	COL-LECTOR EFFI-CIENCY RATIO	SPE-CIFIC CON-DUCT-ANCE (US/CM)	PH (STAND-ARD UNITS)
OCT						
01-08	1015	1.6	2800	1.1	4	5.12
15-21	0920	1.0	1800	--	12	4.65
15-22	0920	1.2	1800	0.92	12	4.65
21-29	1520	0.89	1400	--	12	4.51
22-29	1515	0.70	1400	1.2	12	4.51
OCT 29-NOV 05	0940	6.8	11000	1.0	6	4.86
NOV						
05-12	1055	0.26	120	0.27	28	4.17
12-19	0940	0.55	850	0.94	38	4.22
19-26	1005	1.9	3200	1.0	5	5.05
NOV 26-DEC 05	1115	3.4	5800	1.0	12	4.61
DEC						
10-17	1340	1.1	1800	0.98	15	4.54
JAN						
14-21	1115	1.2	2200	1.1	16	4.39
21-28	1525	0.34	740	1.3	19	4.38
FEB 25-MAR 04	1000	0.30	480	0.98	12	4.62
MAR						
04-11	0925	0.54	950	1.1	20	4.46
04-11B	0925	0.54	290	0.89	30	4.34
11-18	1420	2.3	4400	1.1	11	4.73
11-18B	1420	2.3	1500	1.1	12	4.70
18-25	1155	1.1	2200	1.2	12	4.73
18-25B	1155	1.1	690	1.0	13	4.67
APR						
08-14	0915	0.26	420	0.98	9	4.77
08-14B	0915	0.26	140	0.88	9	4.96
14-22	1220	0.59	1000	1.1	38	4.22
14-22B	1220	0.59	330	0.92	38	4.26
22-29	1630	0.24	420	1.1	32	4.23
22-29B	1630	0.24	130	0.92	37	4.13
MAY						
13-20	0820	2.8	4900	1.1	27	4.29
13-20B	0820	2.8	1600	0.99	30	4.25
20-27	1000	2.4	4400	1.1	26	4.29
20-27B	1000	2.4	1400	1.0	28	4.27
MAY 27-JUN 03	0840	0.53	860	0.98	21	4.34
MAY 27-JUN 03B	0840	0.53	300	0.96	22	4.28
JUN						
03-17	0800	1.1	1900	1.1	36	4.05
03-17B	0800	1.1	630	0.95	42	3.94
JUN 24-JUL 01	0730	0.35	660	1.2	47	3.96
JUN 24-JUL 01B	0730	0.35	190	0.91	44	3.97
JUL						
01-08	0830	0.26	450	1.0	34	4.16
01-08B	0830	0.26	130	0.81	35	4.14
JUL 08-AUG 05	1000	1.6	3100	1.2	32	4.07
JUL 08-AUG 05B	1000	1.6	910	0.96	39	4.03
AUG 05-SEP 10	1010	8.0	1000	0.08	19	4.38
AUG 05-SEP 10B	1010	8.0	830	0.17	19	4.38

344840083412650 PRECIPITATION-QUALITY STATION NEAR WHETSTONE GAP, GA.--Continued

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	PERCENT SODIUM	SODIUM AD-SORP-TION RATIO	POTAS-SIUM, DIS-SOLVED (MG/L AS K)
OCT						
15-21	0.08	<0.01	0.08	--	--	<0.01
21-29	0.08	<0.01	0.06	--	--	0.01
NOV						
19-26	0.07	<0.01	0.02	--	--	<0.01
NOV 26-DEC 05	0.08	<0.01	0.10	--	--	<0.01
DEC						
10-17	0.09	<0.01	0.09	--	--	<0.01
JAN						
14-21	0.07	<0.01	0.21	--	--	<0.01
FEB 25-MAR 04	0.23	<0.01	<0.01	--	--	<0.01
MAR						
04-11	0.31	0.05	0.38	45	0.2	0.02
04-11B	0.72	0.08	0.48	32	0.1	0.08
11-18	0.25	<0.01	0.11	--	--	0.02
11-18B	0.01	<0.01	0.15	--	--	0.04
18-25	0.20	<0.01	0.20	--	--	0.04
18-25B	0.22	0.01	0.21	38	0.1	0.12
APR						
08-14	0.12	<0.01	0.01	--	--	0.10
08-14B	0.34	0.04	0.11	15	0.0	0.23
14-22	0.24	0.05	0.26	37	0.1	0.12
14-22B	0.81	0.11	0.35	21	0.1	0.35
22-29	0.25	0.09	0.15	19	0.1	0.34
22-29B	0.38	0.08	0.17	17	0.1	0.44
MAY						
13-20	0.03	0.01	0.07	41	0.1	0.08
13-20B	0.11	0.02	0.09	26	0.1	0.15
20-27	0.10	0.01	<0.01	--	--	<0.01
20-27B	0.08	<0.01	<0.01	--	--	<0.01
JUN						
03-17	0.07	<0.01	0.05	--	--	<0.01
03-17B	0.12	0.04	0.10	24	0.1	0.17
JUN 24-JUL 01	<0.01	0.07	0.08	--	--	0.04
JUN 24-JUL 01B	0.10	0.11	0.10	16	0.0	0.34
JUL						
01-08	0.09	0.06	0.09	22	0.1	0.17
01-08B	0.14	0.10	0.10	17	0.0	0.26
JUL 08-AUG 05	<0.01	0.04	0.02	--	--	<0.01
JUL 08-AUG 05B	0.14	0.06	0.08	15	0.0	0.29
AUG 05-SEP 10	0.10	0.02	0.02	--	0.0	<0.01
AUG 05-SEP 10B	0.13	0.06	0.02	7	0.0	0.04

344840083412650 PRECIPITATION-QUALITY STATION NEAR WHETSTONE GAP, GA.--Continued

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	BROMIDE DIS-SOLVED (MG/L AS BR)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	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							
15-21	1.1	0.14	<0.010	0.02	0.140	0.120	0.010
21-29	1.1	0.11	<0.010	0.01	0.150	0.220	<0.010
NOV							
19-26	0.3	0.10	<0.010	0.02	0.070	<0.010	<0.010
NOV 26-DEC 05	1.0	0.16	<0.010	0.01	0.120	0.080	0.010
DEC							
10-17	1	0.16	<0.010	0.04	0.170	0.100	<0.010
JAN							
14-21	1.7	0.35	<0.010	0.02	0.220	0.220	<0.010
FEB 25-MAR 04	1.3	0.05	<0.010	0.02	0.290	0.250	<0.010
MAR							
04-11	2.1	0.52	<0.010	0.01	0.320	0.300	0.010
04-11B	3.4	0.69	<0.010	0.05	0.550	0.490	<0.010
11-18	1.2	0.18	<0.010	0.02	0.180	0.150	<0.010
11-18B	--	0.22	<0.010	0.02	0.200	0.180	<0.010
18-25	1.4	0.29	<0.010	0.02	0.160	0.200	<0.010
18-25B	1.5	0.29	0.010	0.01	0.170	0.160	<0.010
APR							
08-14	1	0.05	<0.010	0.01	0.120	0.110	<0.010
08-14B	1.1	0.10	<0.010	0.02	0.100	0.100	<0.010
14-22	4.7	0.39	<0.010	0.01	0.600	0.750	<0.010
14-22B	5.1	0.42	<0.010	0.05	0.750	0.650	<0.010
22-29	3.8	0.24	<0.010	0.01	0.350	0.330	<0.010
22-29B	4.0	0.25	<0.010	0.07	0.400	0.130	<0.010
MAY							
13-20	3.0	0.16	<0.010	<0.01	0.290	0.380	<0.010
13-20B	3.1	0.13	<0.010	<0.01	0.310	0.280	<0.010
20-27	2.9	0.08	<0.010	0.01	0.280	0.450	<0.010
20-27B	3.0	0.06	<0.010	0.01	0.280	0.430	<0.010
JUN							
03-17	4.6	0.17	<0.010	<0.01	0.500	0.570	<0.010
03-17B	5.7	0.13	<0.010	0.06	0.450	0.400	<0.010
JUN 24-JUL 01	5.0	0.17	<0.010	<0.01	0.440	0.190	<0.010
JUN 24-JUL 01B	5.7	0.23	<0.010	<0.01	0.290	<0.010	<0.010
JUL							
01-08	3.5	0.26	<0.010	<0.01	0.340	0.120	<0.010
01-08B	5.3	0.39	<0.010	<0.01	0.220	0.360	0.080
JUL 08-AUG 05	4.4	0.20	<0.010	<0.01	0.360	0.360	<0.010
JUL 08-AUG 05B	5.2	0.30	<0.010	<0.01	0.130	<0.010	<0.010
AUG 05-SEP 10	1.8	0.11	<0.010	<0.01	0.250	0.150	<0.010
AUG 05-SEP 10	1.5	0.14	<0.010	<0.01	0.150	0.020	<0.010

TOWNS COUNTY

344913083421750 PRECIPITATION-QUALITY STATION NEAR HANSON MOUTAIN, GA.

LOCATION.--Lat 34°49'13", long 83°42'17", Towns County, Hydrologic Unit 06020002, Brier Creek watershed, in the Tray Mountain Wilderness study area of the Chattahoochee National Forest, 1.2 mi south-southeast of the mouth of Brier Creek and 1.1 mi north-northwest of the summit of Brier Creek Bald.
PERIOD OF RECORD.--March to September 1986 (composite bulk precipitation) (discontinued).
INSTRUMENTATION.--Bulk precipitation collector and recording rain gage.

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	PRECIP-ITATION (INCHES)	SAMPLE SIZE (ML)	COL-LECTOR EFFI-CIENCY RATIO	SPE-CIFIC CON-DUCT-ANCE (US/CM)	PH (STAND-ARD UNITS)
MAR						
04-11	1240	0.56	460	1.4	23	4.45
11-18	1040	2.4	1600	1.1	12	4.74
18-25	1605	0.93	510	0.92	15	4.60
APR						
08-14	1245	0.27	35	0.22	27	4.21
14-22	1540	0.61	360	0.99	40	4.21
22-29	1315	0.20	140	1.2	25	4.36
MAY						
13-20	1015	2.5	1600	1.0	27	4.24
20-27	1300	2.0	12	1.1	20	4.47
MAY 27-JUN 03	1200	0.40	260	1.1	18	4.42
JUN						
03-17	1020	0.84	530	1.1	35	4.11
JUN 24-JUL 01	0930	0.29	220	1.2	26	4.51
JUL						
01-08	1045	0.17	88	0.87	26	4.44
JUL 08-AUG 05	1225	1.2	640	0.90	30	4.28

DATE	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	PERCENT SODIUM	SODIUM AD-SORP-TION RATIO	POTAS-SIUM, DIS-SOLVED (MG/L AS K)
MAR						
04-11	0.73	0.10	0.37	26	0.1	0.06
11-18	0.31	<0.01	0.16	--	--	0.01
18-25	0.21	0.02	0.29	48	0.2	0.06
APR						
14-22	1.0	0.17	0.37	18	0.1	0.27
22-29	0.35	0.08	0.18	18	0.1	0.45
MAY						
13-20	0.08	0.02	0.07	25	0.1	0.13
20-27	0.07	0.02	0.07	28	0.1	0.11
JUN						
03-17	0.26	0.04	0.09	16	0.0	0.18
JUN 24-JUL 01	0.14	0.16	0.13	15	0.1	0.48
JUL						
01-08	0.20	0.09	0.08	16	0.0	0.06
JUL 08-AUG 05	0.19	0.08	0.09	15	0.0	0.21

344913083421750 PRECIPITATION-QUALITY STATION NEAR HANSON MTN, GA.--Continued

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	BROMIDE DIS-SOLVED (MG/L AS BR)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	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)
MAR							
04-11	2.8	0.48	<0.010	0.01	0.450	0.380	<0.010
11-18	1.3	0.23	<0.010	0.02	0.210	0.140	<0.010
18-25	1.8	0.40	<0.010	0.02	0.210	0.230	<0.010
APR							
14-22	5.4	0.45	<0.010	0.05	0.700	0.460	0.010
22-29	3.7	0.27	<0.010	0.07	0.150	0.230	<0.010
MAY							
13-20	3.0	0.09	<0.010	0.05	0.210	0.120	<0.010
20-27	2.4	0.09	<0.010	0.01	0.250	0.250	<0.010
JUN							
03-17	5.8	0.06	<0.010	0.28	0.310	0.070	<0.010
JUN 24-JUL 01	4.6	0.20	<0.010	<0.01	<0.010	<0.010	<0.010
JUL							
01-08	4.0	0.60	<0.010	<0.01	0.020	<0.010	0.010
JUL 08-AUG 05	5.3	0.40	<0.010	<0.01	0.140	0.030	<0.010

TOWNS COUNTY

344936083421350 PRECIPITATION-QUALITY STATION NEAR CROWDER LICK, GA.

LOCATION.--Lat 34°49'36", long 83°42'13", Towns County, Hydrologic Unit 06020002, Brier Creek watershed, in the Tray Mountain Wilderness study area of the Chattahoochee National Forest, 1.0 mi south-southeast of the mouth of Brier Creek 1.3 mi north-northwest of the summit of Brier Creek Bald.
PERIOD OF RECORD.--March to September 1986 (composite bulk precipitation) (discontinued).
INSTRUMENTATION.--Bulk precipitation collector and recording rain gage.

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	PRECIP-ITATION (INCHES)	SAMPLE SIZE (ML)	COL-LECTOR EFFI-CIENCY RATIO	SPE-CIFIC CON-DUCT-ANCE (US/CM)	PH (STAND-ARD UNITS)
MAR						
04-11	1315	0.70	480	1.1	25	4.38
11-18	1140	2.7	1400	0.88	12	4.61
18-25	1530	1.2	560	0.81	15	4.57
APR						
08-14	1245	--	140	--	12	4.76
14-22	1455	0.61	390	1.1	37	4.36
22-29	1410	0.30	190	1.0	21	4.63
MAY						
13-20	1100	2.8	1400	0.84	24	4.35
20-27	1215	2.2	1300	1.0	20	4.47
MAY 27-JUN 03	1250	0.51	270	0.87	13	4.68
JUN						
03-17	1115	1.0	540	0.89	24	4.97
JUN 24-JUL 01	1025	0.55	290	0.87	21	4.56
JUL 08-AUG 05	1145	1.3	680	0.88	24	4.72

DATE	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	PERCENT SODIUM	SODIUM AD-SORP-TION RATIO	POTAS-SIUM, DIS-SOLVED (MG/L AS K)
MAR						
04-11	0.62	0.04	0.32	28	0.1	0.04
11-18	0.28	<0.01	0.16	--	--	0.02
18-25	0.19	0.01	0.39	60	0.2	0.04
APR						
08-14	0.41	0.05	0.05	7	0.0	0.11
14-22	0.79	0.13	0.36	21	0.1	0.29
22-29	0.29	0.07	0.11	15	0.0	0.27
MAY						
13-20	0.07	0.01	0.08	34	0.1	0.09
20-27	0.06	<0.01	0.03	--	--	0.10
JUN						
03-17	0.23	0.10	0.10	9	0.0	1.0
JUL						
01-08	<0.01	0.06	<0.01	--	--	<0.01
JUL 08-AUG 05	0.21	0.08	0.07	14	0.0	0.04

344936083421350 PRECIPITATION-QUALITY STATION NEAR CROWDER LICK, GA.--Continued

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	BROMIDE DIS-SOLVED (MG/L AS BR)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	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)
MAR							
04-11	2.8	0.43	<0.010	<0.01	0.450	0.290	<0.010
11-18	1.3	0.23	<0.010	0.01	0.220	0.080	<0.010
18-25	1.7	0.35	<0.010	0.02	0.180	0.130	<0.010
APR							
08-14	1.7	0.15	<0.010	0.05	0.110	<0.010	<0.010
14-22	5.5	0.46	<0.010	0.11	0.800	0.600	0.010
22-29	3.4	0.18	<0.010	0.12	0.180	0.190	<0.010
MAY							
13-20	2.9	0.12	<0.010	0.02	0.220	0.120	<0.010
20-27	2.3	0.08	<0.010	0.01	0.220	0.260	<0.010
JUN							
03-17	6.0	0.19	<0.010	0.02	0.320	0.730	<0.010
JUL							
01-08	0.5	<0.01	<0.010	<0.01	<0.010	<0.010	<0.010
JUL 08-AUG 05	4.7	0.42	<0.010	<0.01	<0.010	<0.010	<0.010

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1985

OCTOBER

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

NOVEMBER

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DECEMBER

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1986

JANUARY

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JUNE

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SEPTEMBER

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