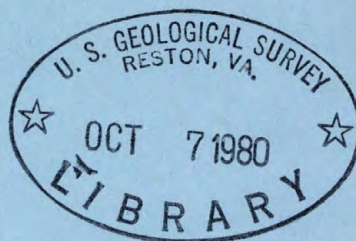


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Water Resources Data for Georgia



U.S. GEOLOGICAL SURVEY WATER-DATA REPORT GA-79-1
WATER YEAR 1979
Prepared in cooperation with the State of Georgia
and with other agencies

CALENDAR FOR WATER YEAR 1979

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Water Resources Data for Georgia

U.S. GEOLOGICAL SURVEY WATER-DATA REPORT GA-79-1

WATER YEAR 1979

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

UNITED STATES DEPARTMENT OF THE INTERIOR

CECIL D. ANDRUS, Secretary

GEOLOGICAL SURVEY

H. William Menard, Director

For information on the water program in Georgia write to
District Chief, Water Resources Division
U.S. Geological Survey
6481 Peachtree Industrial Boulevard, Suite B
Doraville, Georgia 30360

1980

PREFACE

This report was prepared by personnel of the Georgia district of the Water Resources Division of the U.S. Geological Survey under the supervision of J. R. George, District Chief, and James L. Cook, Acting Regional Hydrologist, Southeastern Region.

This report is one of a series issued State by State. General direction for the series is by Philip Cohen, Chief Hydrologist, U.S. Geological Survey, and R. J. Dingman, Assistant Chief Hydrologist for Scientific Publications and Data Management.

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GAGING STATIONS, IN DOWNSTREAM ORDER, FOR WHICH RECORDS ARE PUBLISHED VII

[Letters after station names designate type of data:

(d) discharge, (g) gage height, (c) chemical, (b) biological,
(m) microbiological, (t) water temperature, (s) sediment]

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WATER RESOURCES DATA FOR GEORGIA, 1979

INTRODUCTION

Water resources data for the 1979 water year for Georgia consists of records of stage, discharge, and water quality of streams; stage and contents of lakes and reservoirs; and ground-water levels. This report contains discharge records for 100 gaging stations; stage for 10 gaging stations; stage and contents for 17 lakes and reservoirs; water quality for 25 continuous stations, 151 periodic stations and miscellaneous sites; peak stage and discharge only for 98 crest-stage partial-record stations and 12 miscellaneous sites; measurements of discharge at 110 low-flow partial-record stations and 21 miscellaneous sites; and water levels of 28 observation wells. These data represent that part of the National Water Data System collected by the U.S. Geological Survey and cooperating State and Federal agencies in Georgia.

Records of discharge and stage of streams, and contents or stage of lakes and reservoirs were first published in a series of U.S. Geological Survey 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 temperatures, 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 Branch of Distribution, U.S. Geological Survey, 1200 South Eads Street, Arlington, VA 22202.

For water years 1961 through 1974, streamflow data were released by the Geological Survey in annual reports on a State-boundary basis. Water-quality records for water years 1964 through 1974 were similarly released either in separate reports or in conjunction with streamflow records.

Beginning with the 1975 water year, water data for streamflow, water quality, and ground water are published in official Survey reports on a State-boundary basis. These official Survey reports carry an identification number consisting of the two-letter State abbreviation, the last two digits of the water year, and the volume number. For example, this volume is identified as "U.S. Geological Survey Water-Data Report GA-79-1." For archiving and general distribution, the reports for water years 1971-74 are also identified as water-data reports. 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.

COOPERATION

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

Georgia Department of Natural Resources, Joe D. Tanner, Commissioner,
through the Division of Environmental Protection, J. Leonard
Ledbetter, Director.

Georgia Department of Transportation, Thomas D. Moreland, Commissioner.

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

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

The following organizations aided in collecting records:

Georgia Power Company
Alabama Power Company
Crisp County Power Commission
Bibb County
Chatham County
DeKalb County
Glynn County
Albany Water, Gas and Light Commission
Macon-Bibb County Water & Sewerage Authority
City of Brunswick
City of Covington
City of Valdosta

HYDROLOGIC CONDITIONS

Runoff for the water year was generally slightly below normal throughout the State except in the north where runoff was above normal. The ratio of water-year runoff to long-term average runoff for unregulated streams having more than 5 years of streamflow record ranged from about 1.4 at Chattooga River near Clayton in northeast Georgia to about 0.7 at Brushy Creek near Wrens in east-central Georgia.

Monthly mean runoff in the northern part of the State was generally above normal during the water year except for October, November, and December, when it was below normal. In the central part, monthly mean runoff was generally above normal in February and April and well below normal in October, November, and December. In the south, monthly mean runoff was above normal in February, March, and May and significantly below normal in October, November, and December.

Very little rain fell throughout the State during October and the first half of November. Streams, already low when the water year began, receded to significantly low levels. Several streams in the southeast approached low flows equivalent to 20-year recurrence intervals. Low flows equivalent to 5-year recurrence intervals were reached on many streams throughout the State.

Minor flooding was widespread due to heavy rains that fell February 17 through 26. Rainfall for the period totaled more than 4 inches at numerous locations.

Heavy rain in a band about 40 miles wide fell in the north on March 3 and 4. Amounts greater than 6 inches in 24 hours occurred at Cedartown and Adairsville. The resulting flood peaks exceeded recurrence intervals of 50 years on small streams in several counties. Severe flood damage was reported in Bartow, Chattooga, Floyd, Gilmer, Gordon, Murray, Polk, and Whitfield Counties.

Moderate flooding occurred on April 13 and 14 as two closely spaced storms moved over the north-central and northwest parts of the State, producing more than 5 inches of rain in many areas. Most resulting flood peaks were of less than 10-year recurrence intervals except near Cedartown, where small streams had peaks of about 50-year recurrence intervals. Several reaches of the Chattahoochee River in the vicinity of Atlanta experienced the highest flood elevations since the closure of Buford Dam in 1956. Also some damage was caused by urban streams flooding in the Atlanta area.

Figure 2 on page 27 shows monthly and yearly streamflows for the 1979 water year at three representative long-term gaging stations and the average monthly and yearly streamflows for the period 1941-70.

Ground-water levels for the water year were generally higher in the Piedmont area. Levels in the Coastal Plain were slightly lower in areas where levels were affected by industrial and agricultural pumpage.

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.

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, often clumped into colonies. Some bacteria cause disease, 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 particular group of bacteria that are used as indicators of possible sewage pollution. They are characterized as aerobic or facultative anaerobic, gram-negative, nonspore-forming, rod-shaped bacteria which ferment lactose with gas formation within 48 hours at 35°C. In the laboratory these bacteria are defined as the organisms which produce colonies within 24 hours when incubated at 35°C $\pm$ 1.0°C on M-Endo medium (nutrient medium for bacterial growth). Their concentrations are expressed as number of colonies per 100 mL of sample.

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

Fecal streptococcal bacteria are bacteria found also 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 $35^{\circ}\text{C} \pm 1.0^{\circ}\text{C}$ on M-enterococcus medium (nutrient medium for bacterial growth). Their concentrations are expressed as number of colonies per 100 mL of sample.

Bed material is the unconsolidated material 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 60°C for zooplankton and 105°C for 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 the dry mass and ash mass, and represents the actual mass of the living matter. The organic mass is expressed in the same units as for 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 organisms 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, approximately 1.9835 acre-feet, about 646,000 gallons or 2,447 cubic meters.

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 of plants. Chlorophyll a and b are the two most common pigments in plants.

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

Cubic foot per second (FT³/s, ft³/s) 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.

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 representative water sample which passes through a 0.45 um 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.

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 above the specified point. Figures of drainage area given herein include all closed basins, or noncontribution 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 calcium carbonate (CaCO_3).

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 elevation that is approximately at land surface at a well from which depth or height to water surface is measured.

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

Micrograms per liter ($\mu\text{g/L}$, $\mu\text{g/L}$) is a unit expressing the concentration of chemical constituents in solution as mass (micrograms) of solute per unit volume (liter) of water. 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 water. Concentration of suspended sediment also is expressed in mg/L , and is based on the mass of sediment per liter of water-sediment mixture.

National Geodetic Vertical Datum of 1929 (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.

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 distribution 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.

Pesticides are chemical compounds used to control undesirable plants and animals. Major categories of pesticides include insecticides, miticides, fungicides, herbicides, and rodenticides. Insecticides and herbicides, which control insects and plants, respectively, are the two categories reported.

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. A picocurie yields 2.22 dpm (disintegrations per minute).

Plankton is the community of suspended, floating, or weakly swimming organisms 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/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/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.

Recoverable from bottom material is the amount of a given constituent is 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.

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.

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).

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 computed by multiplying discharge times mg/L times 0.0027.

Suspended-sediment load is quantity of suspended sediment passing a section in a specified period.

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 weight or volume, that passes a section during a given time.

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

Solute is any substance derived from the atmosphere, vegetation, soil, or rocks that is dissolved in water.

Specific conductance is a measure of the ability of a water to conduct an electrical current. It is expressed in micromhos 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 micromhos). 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.

Surface area of a lake is that area outlined on the latest U.S.G.S. topographic map as the boundary of the lake and measured by a planimeter in acres. 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, 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 um 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 concentrations 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 um 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 determinations of (1) dissolved and (2) total concentrations of the constituent.

Tons per day is the quantity of substance in solution or suspension that passes a stream section during a 24-hour day.

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" does double duty here, indicating both that the sample consists of a water-suspended sediment mixture and that the analytical method determines all of the constituent in the sample.)

Total in bottom material is the total amount of a given constituent in a representative sample of bottom material. 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 judge when the results should be reported as "total in bottom material."

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.

WRD is used as an abbreviation for "Water-Resources Data" in the REVISED RECORDS paragraph to refer to State annual basic-data reports published before 1975.

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

DOWNSTREAM ORDER AND STATION NUMBER

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 main-stream station are listed before that station. A station on a tributary that enters between two main-stream 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 on which a station is situated with respect to the stream to which it is immediately tributary is indicated by an indention in a list of stations in the front of the report. Each indention represents one rank. This downstream order and system of indentation shows which stations are on tributaries between any two stations and the rank of the tributary on which each station is situated.

As an added means of identification, each surface-water hydrologic station and partial-record station has been assigned a station number. These are in the same downstream order used in this report. 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 8-digit number for each station such as 03041000, which appears just to the left of the station name, includes the 2-digit part number "03" plus the 6-digit downstream order number "041000".

NUMBERING SYSTEM FOR WELLS

Downstream order station numbers are not assigned to wells. The well numbering system of the U.S. Geological Survey is based on the grid system of latitude and longitude. The system provides the geographic location of the well and an unique number for each site. The number consists of 15 digits. The first 6 digits denote the degrees, minutes, and seconds of latitude, the next 7 digits denote degrees, minutes, and seconds of longitude, and the last 2 digits is a sequential number for wells within a 1-second grid. In the event that several wells are within the same 1-second grid, a different sequential number, such as "01", "02", etc., is assigned to each well to insure an unique station number. See figure 1 below.

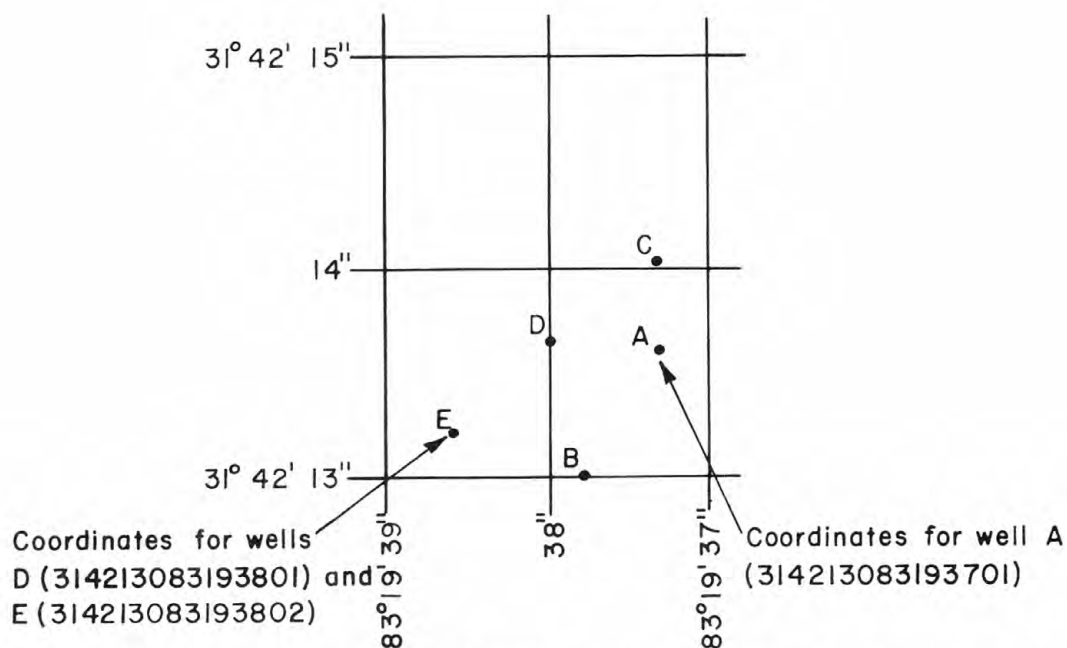


FIGURE 1. --System for numbering wells (latitude and longitude).

SPECIAL NETWORKS AND PROGRAMS

Hydrologic bench-mark station is one that provides hydrologic data for a basin in which the hydrologic regimen will likely be governed solely by natural conditions. Data collected at a bench-mark station may be used to separate effects of natural from manmade changes in other basins which have been developed and in which the physiography, climate, and geology are similar to those in the undeveloped bench-mark basin.

National stream-quality accounting network (NASQAN) is a data collection network designed by the U.S. Geological Survey to meet many of the information demands of agencies or groups involved in national or regional water-quality planning and management. Both accounting and broad-scale monitoring objectives have been incorporated into the network design. Areal configuration of the network is based on river-basin accounting units (identified by 8-digit hydrologic-unit numbers) designated by the Office of Water Data Coordination in consultation with the Water Resources Council. Primary objectives of the network are (1) to depict areal variability of streamflow and water-quality conditions nationwide on a year-by-year basis and (2) to detect and assess long-term changes in streamflow and stream quality.

Pesticide program is a network of regularly sampled water-quality stations where samples are collected to determine the concentration and distribution of pesticides in streams where potential contamination could result from the application of the commonly used insecticides and herbicides. Operation of the network is a Federal interagency activity.

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

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

EXPLANATION OF STAGE AND WATER-STAGE RECORDS

Collection and computation of data

The base data collected at gaging stations consists of records of stage and measurements of discharge of streams or canals, and stage, surface area, and contents of lakes and reservoirs. In addition, observation of factors affecting the stage-discharge relation or the stage-capacity relation, weather records, and other information are used to supplement base data in

determining the daily flow or volume of water in storage. Records of stage are obtained from either direct readings on a nonrecording gage or from a water-stage recorder that gives either a continuous graph of the fluctuations or a tape punched at selected time intervals. Measurements of discharge are made with a current meter, using the general methods adopted by the Geological Survey. These methods are described in standard textbooks, in Water-Supply Paper 888, and in U.S. Geological Survey Techniques of Water-Resources Investigations, book 3, chapter A6.

For stream-gaging stations, rating tables giving the discharge for any stage are prepared from stage-discharge relation curves. If extensions to the rating curve are necessary to express discharge greater than measured, they are made on the basis of indirect measurements of peak discharge (such as slope-area or contracted-opening measurements, computation of flow over dams or weirs), step-backwater techniques, velocity-area studies, and logarithmic plotting. The daily mean discharge is computed from gage heights and rating tables, then the monthly and yearly mean discharge are computed from the daily figures. 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 computed by the shifting-control method, in which correction factors based on individual discharge measurements and notes by engineers and observers are used in applying the gage heights to the rating tables. If the stage-discharge relation for a station is temporarily changed by the presence of aquatic growth or debris on the control, the daily mean discharge is computed by what is basically the shifting-control method.

At some stream-gaging stations the stage-discharge relation is 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 relation is affected by changing stage; at these stations the rate of change in stage is used as a factor in computing discharge.

At some northern stream-gaging stations the stage-discharge relation is affected by ice in the winter, and it becomes impossible to compute the discharge in the usual manner. Discharge for periods of ice effect is computed on the basis of gage-height record and occasional winter discharge measurements. Consideration is given to the available information on temperature and precipitation, notes by gage observers and hydrologists, and comparable records of discharge for other stations in the same or nearby basins.

For a lake or reservoir station, capacity tables giving the contents for any stage are prepared from stage-area relation curves defined by surveys. The application of the stage to the capacity table gives the contents from which the daily, monthly, or yearly change in contents is computed.

If the stage-capacity curve is subject to changes because of deposition of sediment in the reservoir, periodic resurveys of the reservoir are necessary to define new stage-capacity curves. During the period between reservoir surveys the computed contents may be increasingly in error due to the gradual accumulation of sediment.

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 or contents. 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 on the basis of recorded range in stage, prior and subsequent records, discharge measurements, weather records, and comparison with records for other stations in the same or nearby basins. Likewise daily contents may be estimated on the basis of operator's log, prior and subsequent records, inflow-outflow studies, and other information.

The data in this report generally comprise a description of the station and tabulations of daily and monthly figures. For gaging stations on streams or canals a table showing the daily discharge and monthly and yearly discharge is given. For gaging stations on lakes and reservoirs a monthly summary table of stage and contents or a table showing the daily contents is given. Tables of daily mean gage heights are included for some streamflow stations and for some reservoir stations. Records are published for the water year, which begins on October 1 and ends on September 30.

The description of the gaging station gives the location, drainage area, period of record, notations of revisions of previously published records, type and history of gages, general remarks, average discharge, and extremes of discharge or contents. The location of the gaging station and the drainage area are obtained from the most accurate maps available. River mileage, given under "LOCATION" for some stations, is that determined and used by the Corps of Engineers or other agencies. Periods for which there are published records for the present station or for stations generally equivalent to the present one are given under "PERIOD OF RECORD."

Previously published streamflow records of some stations have been found to be in error on the basis of data or information later obtained. Revisions of such records are usually published along with the current records in one of the annual or compilation reports. In order to make it easier to find such revised records, a paragraph headed "REVISED RECORDS" has been added to the description of all stations for which revised records have been published. Listed therein are all the reports in which revisions have been published, each followed by the water years for which figures are revised in that report. In listing the water years, only one number is given; for instance, 1965 stands for the water year October 1, 1964, to September 30, 1965. If no daily, monthly, or annual figures of discharge are affected by the revision, the fact is brought out by notations 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 revised figure was first published is given. It should be noted that for all stations for which cubic feet per second per square mile and runoff in inches are published, a revision of the drainage area necessitates corresponding revision of all figures based on the drainage area. Revised figures of cubic feet per second per square mile and runoff in inches resulting from a revision of the drainage area only are usually not published in the annual series of reports.

The type of gage currently in use, the datum of the present gage referred to National Geodetic Vertical Datum and a condensed history of the types, locations, and datums of previous gages used during the period of record are given under "GAGE." National Geodetic Vertical Datum is explained in "DEFINITION OF TERMS."

Information pertaining to the accuracy of the discharge records and to conditions which affect the natural flow of the gaging station is given under "REMARKS." For reservoir stations information on the dam forming the reservoir, the capacity, outlet works and spillway, and purpose and use of the reservoir is given under "REMARKS."

The average discharge for the number of years indicated is given under "AVERAGE DISCHARGE"; it is not given for stations having fewer than 5 complete years of record or for stations where changes in water development during the period of record cause the figure to have little significance. In addition, the median of yearly mean discharges is given for stream-gaging stations having 10 or more complete years of record if the median differs from the average by more than 10 percent. Under "EXTREMES" are given first, the extremes for the period of record, second, information available outside the period of record, and last, those for the current year. Unless otherwise qualified, the maximum discharge (or contents) is the instantaneous maximum corresponding to the crest stage obtained by use of a water-stage recorder (graphic or digital), a crest-stage gage, or a nonrecording gage read at the time of the crest. If the maximum gage height did not occur on the same day as the maximum discharge (or contents), it is given separately. Similarly, the minimum is the instantaneous minimum unless otherwise qualified. For some stations peak discharges are listed with EXTREMES FOR THE CURRENT YEAR. If they are, all independent peaks, including the maximum for the year, above the selected base with the time of occurrence and corresponding gage heights are published in tabular format. The base discharge, which is given in the table heading, is selected so that an average of about three peaks a year will be presented. Peak discharges are not published for any canals, ditches, drains, or for any stream from which the peaks are subject to substantial control by man. Time of day is expressed in 24-hour local standard time; for example, 12:30 a.m. is 0030, 1:30 p.m. is 1330. The minimums for these stations are published in a separate paragraph following the table of peaks.

The daily table for stream-gaging stations gives the 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 may be 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 omitted if there is extensive regulation or diversion, if the drainage area includes large noncontributing areas or if the average annual rainfall over the drainage basin is usually less than 20 inches. In the yearly summary below the monthly summary, the figures shown are the appropriate daily discharges for the calendar and water years.

Footnotes to the table of daily discharge are introduced by the word "NOTE." Footnotes are used to indicate periods for which the discharge is computed or estimated by special methods because of no gage-height record, backwater from various sources, or other unusual conditions. Periods of no gage-height record are indicated if the period is continuous for a month or more or includes the maximum discharge for the year. Periods of backwater from an unusual source, of indefinite stage-relation, or of any other unusual condition at the gage site are indicated only if they are a month or more in length and the accuracy of the records is affected. Days on which the stage-discharge relation is affected by ice are not indicated. The methods used in computing discharge for various unusual conditions have been explained in preceding paragraphs.

For most gaging stations on lakes and reservoirs the data presented comprise a description of the station and a monthly summary table of stage and contents. For some reservoirs, a table showing daily contents or stage is given. A skeleton table of capacity at given stages is published for all reservoirs for which records are published on a daily basis, but is not published for reservoirs for which only monthly data are given.

Data collected at partial-record stations and miscellaneous sites follow the information for continuous record stations. Data for partial-record discharge stations and miscellaneous sites are presented in four tables. The first is a table of discharge measurements at low-flow partial-record stations, the second is a table of discharge measurements made at miscellaneous sites, the third is a table of annual maximum stage and discharge at crest-stage stations, and the fourth is a table of peak stage and discharge at miscellaneous sites. Occasionally, a series of discharge measurements are made within a short time period to investigate the seepage gains or losses along a reach of a stream or to determine the low-flow characteristics of an area. Such measurements are also given in special tables following the tables of partial-record stations.

Accuracy of field data and computed results

The accuracy of streamflow data 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 observations of stage, measurements of discharge, and interpretation of records.

The station description under "REMARKS" states the degree of accuracy of the records. "Excellent" means that about 95 percent of the daily discharges are within 5 percent; "good" within 10 percent; and "fair" within 15 percent. "Poor" means that daily discharges have less than "fair" accuracy.

Figures of daily mean discharge in this report are shown to the nearest hundredth of a cubic foot per second for discharges of less than 1 cfs; to tenths between 1.0 and 10 cfs; to whole numbers between 10 and 1,000 cfs; and to 3 significant figures above 1,000 cfs. The number of significant figures used is based solely on the magnitude of the figure. The same rounding rules apply to discharge figures listed for partial-record stations.

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, 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 diversion, 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 data available

Information of a more detailed nature than that published for most of the gaging stations such as observation of water temperatures, discharge measurements, gage-height records, and rating tables is on file in the district office. Also most gaging-station records are available in computer-usable form and many statistical analyses have been made.

Information on the availability of unpublished data or statistical analyses may be obtained from the district office.

EXPLANATION OF WATER-QUALITY RECORDS

Collection and examination of data

Surface-water samples for analyses usually are collected at or near gaging stations. The quality-of-water records are given immediately following the discharge records at these stations.

The descriptive heading for water-quality records gives the period of record for all water-quality data; the period of daily record for parameters that are measured on a daily basis (specific conductance, pH, dissolved oxygen, water temperature, sediment discharge, etc.); extremes for the period of daily record; extremes for the current year; and general remarks.

Water analysis

Most methods for collecting and analyzing water samples are described in the U.S. Geological Survey Techniques of Water-Resources Investigations listed on a following page.

One sample can define adequately the water quality at a given time if the mixture of solutes throughout the stream cross section is homogeneous. However, the concentrations of solute 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.

Chemical-quality data published in this report are considered to be the most representative values available for the stations listed. The values reported represent water-quality conditions at the time of sampling as much as possible, consistent with available sampling techniques and methods of analysis. In the rare case where an apparent inconsistency exists between a reported pH value and the relative abundance of carbon dioxide species (carbonate and bicarbonate), the inconsistency is the result of a slight uptake of carbon dioxide from the air by the sample between measurement of pH in the field and determination of carbonate and bicarbonate in the laboratory.

For chemical-quality stations equipped with digital monitors, published records consist of daily maximum and minimum values for each constituent measured and are based upon hourly punches beginning at 0100 hours and ending at 2400 hours for the day of record. Mean values and more detailed records (hourly values) may be obtained from the district office.

Water temperature

Water temperatures are measured at most of the water-quality stations. In addition, water temperatures are taken at time of discharge measurements for water-discharge stations. For stations where water temperatures are taken manually once or twice daily, the water temperatures are taken at about the same time each day. 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.

At stations where recording instruments are used, mean daily temperatures and/or maximum and minimum temperatures for each day are published.

Sediment

Suspended-sediment concentrations are determined from samples collected by using depth-integrating samplers. Samples usually are 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 sections.

During periods of rapidly changing flow or rapidly changing concentration, samples may have been collected more frequently (twice daily or, in some instances, hourly). The published sediment discharges for days of rapidly changing flow or concentration were computed by the subdivided day method (time-discharge weighted average). Therefore, for those days when the published sediment discharge value differs from the value computed as the product of discharge times mean concentration times 0.0027, the reader can assume that the sediment discharge for that day was computed by the subdivided day method. For periods when no samples were collected, daily loads of suspended sediment were estimated on the basis of water discharge, sediment concentrations observed immediately before and after the periods, and suspended-sediment loads for other periods of similar discharge.

At other stations, suspended-sediment samples were collected periodically at many verticals in the stream cross section. Although data collected periodically may represent conditions only at the time of observations, such data are useful in establishing seasonal relations between quality and streamflow in predicting long-term sediment-discharge characteristics of the stream.

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

EXPLANATION OF GROUND-WATER LEVEL RECORDS

Collection of the data

Ground-water level data from a network of observation wells in Georgia are published herein. This basic network contains observation wells located so that the most significant data are obtained from the fewest wells in the most important aquifers.

Each well is identified by means of (1) a 15-digit number that is based on latitude and longitude as shown in figure 1, and (2) a local number that is provided for local needs.

Water-level measurements in this report are given in feet to either National Geodetic Vertical Datum of 1929 (NGVD), land-surface datum, or altitude. NGVD is a datum plane on which the national network of precise level lines have been tied; land-surface datum is approximated by less than precise levels; altitude of the land surface is the approximate elevation obtained from a topographic map. The NGVD, land-surface datum, or altitude is given in the well description. The height of the measuring point above or below land surface is given in each well description. Wells for which water-level data are included in this report are equipped with continuous recorders and daily mean water levels are reported. Low- and high-water levels included at the bottom of tables are extremes for data in the table only.

Water levels are reported to as many significant figures as can be justified by the local conditions. Accordingly, most measurements are reported to a hundredth of a foot.

PUBLICATIONS ON TECHNIQUES OF WATER RESOURCES INVESTIGATIONS

Thirty-four manuals by the U.S. Geological Survey have been published to date in the series on techniques describing procedures for planning and executing 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) is on surface water. The chapter, the unit of publication, is limited to a narrow field of subject matter. This format permits flexibility in revisions and publication as the need arises. The reports listed below are for sale by the U.S. Geological Survey, Branch of Distribution, 1200 South Eads Street, Arlington, VA 22202 (authorized agent of the Superintendent of Documents, Government Printing Office).

NOTE: When ordering 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 Davidian: 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-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-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-C1. Fluvial sediment concepts, by H. P. Guy: USGS--TWRI Book 3, Chapter C1. 1970. 55 pages.
- 3-C2. Field methods for measurement of fluvial sediment, by H. P. Guy and V. W. Norman: USGS--TWRI Book 3, Chapter C2. 1970. 59 pages.
- 3-C3. Computation of fluvial-sediment discharge, by George Porterfield: USGS--TWRI Book 3, Chapter C3. 1972. 66 pages.
- 4-A1. Some statistical tools in hydrology, by H. C. Riggs: USGS--TWRI Book 4, Chapter A1. 1968. 39 pages.
- 4-A2. Frequency curves, by H. C. Riggs: USGS--TWRI Book 4, Chapter A2. 1968. 15 pages.
- 4-B1. Low-flow investigations, by H. C. Riggs: USGS--TWRI Book 4, Chapter B1. 1972. 18 pages.
- 4-B2. Storage analyses for water supply, by H. C. Riggs and C. H. Hardison: USGS--TWRI Book 4, Chapter B2. 1973. 20 pages.
- 4-B3. Regional analyses of streamflow characteristics, by H. C. Riggs: USGS--TWRI Book 4, Chapter B3. 1973. 15 pages.
- 4-D1. Computation of rate and volume of stream depletion by wells, by C. T. Jenkins: USGS--TWRI Book 4, Chapter D1. 1970. 17 pages.
- 5-A1. Methods for determination of inorganic substances in water and fluvial sediments, by M. 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. 12 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-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.
- 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-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.

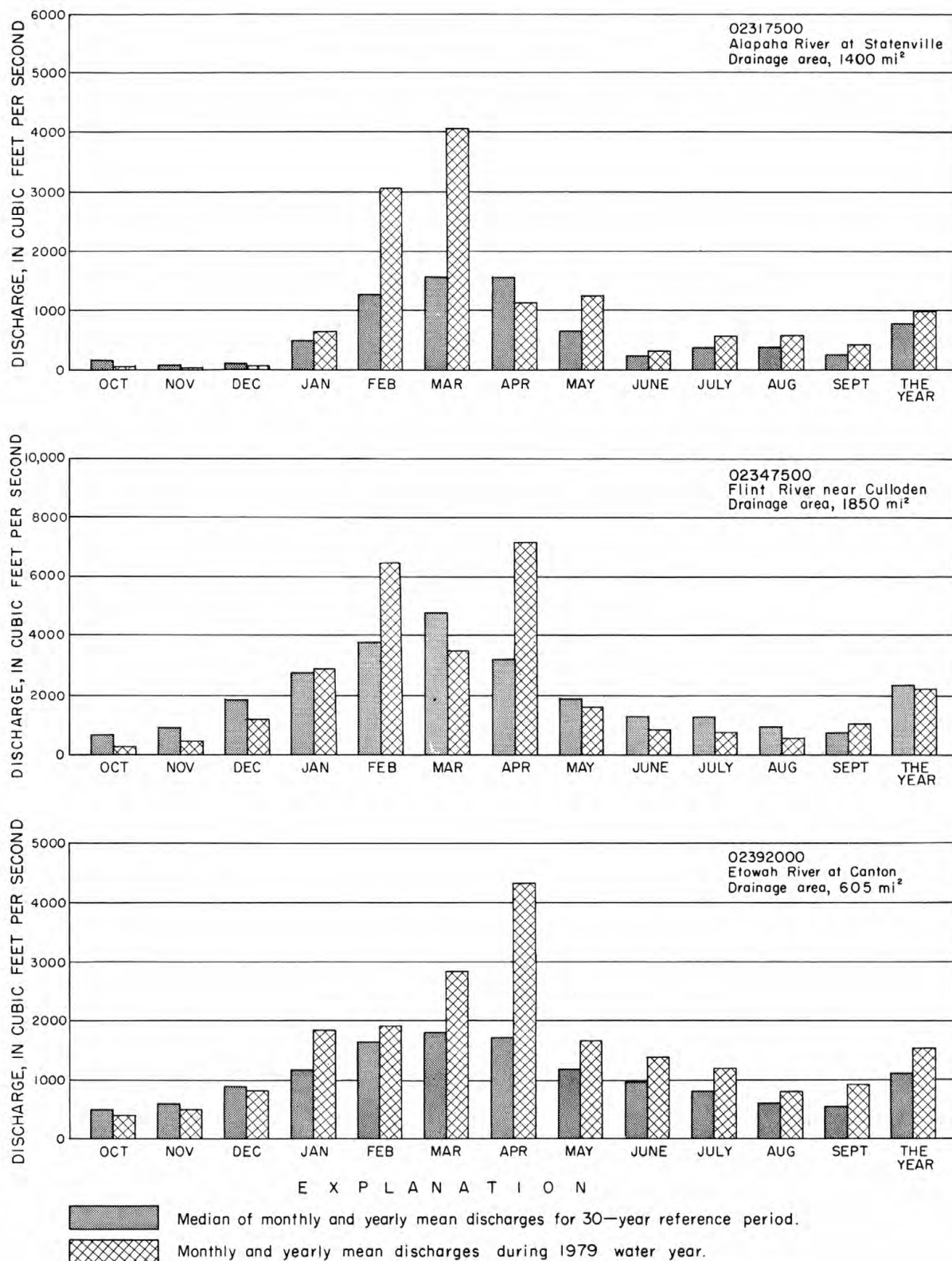


Figure 2.—Comparison of discharge at three long-term representative gaging stations during 1979 water year with median discharge for 30-year reference period.

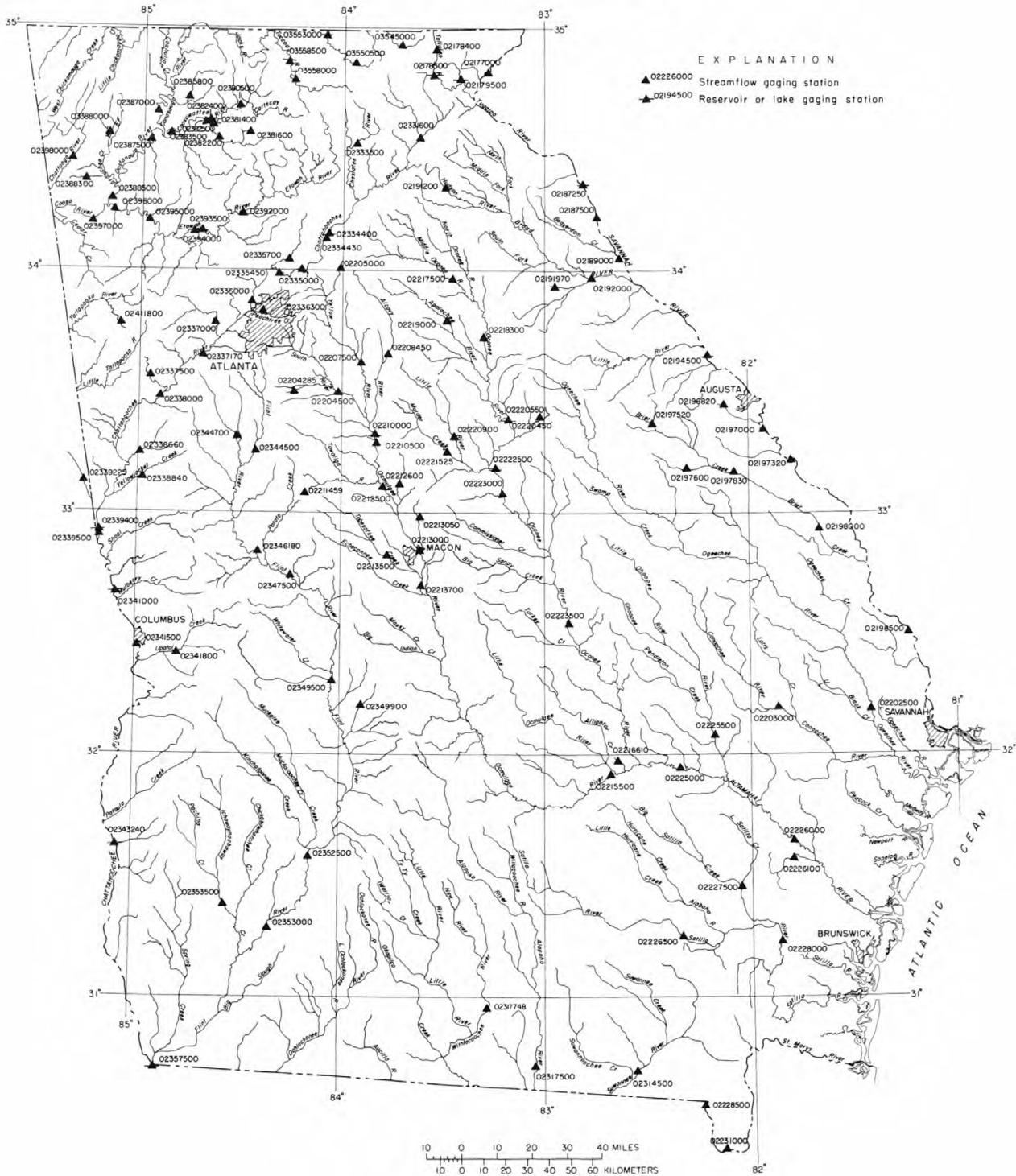


Figure 3—Location of gaging stations.

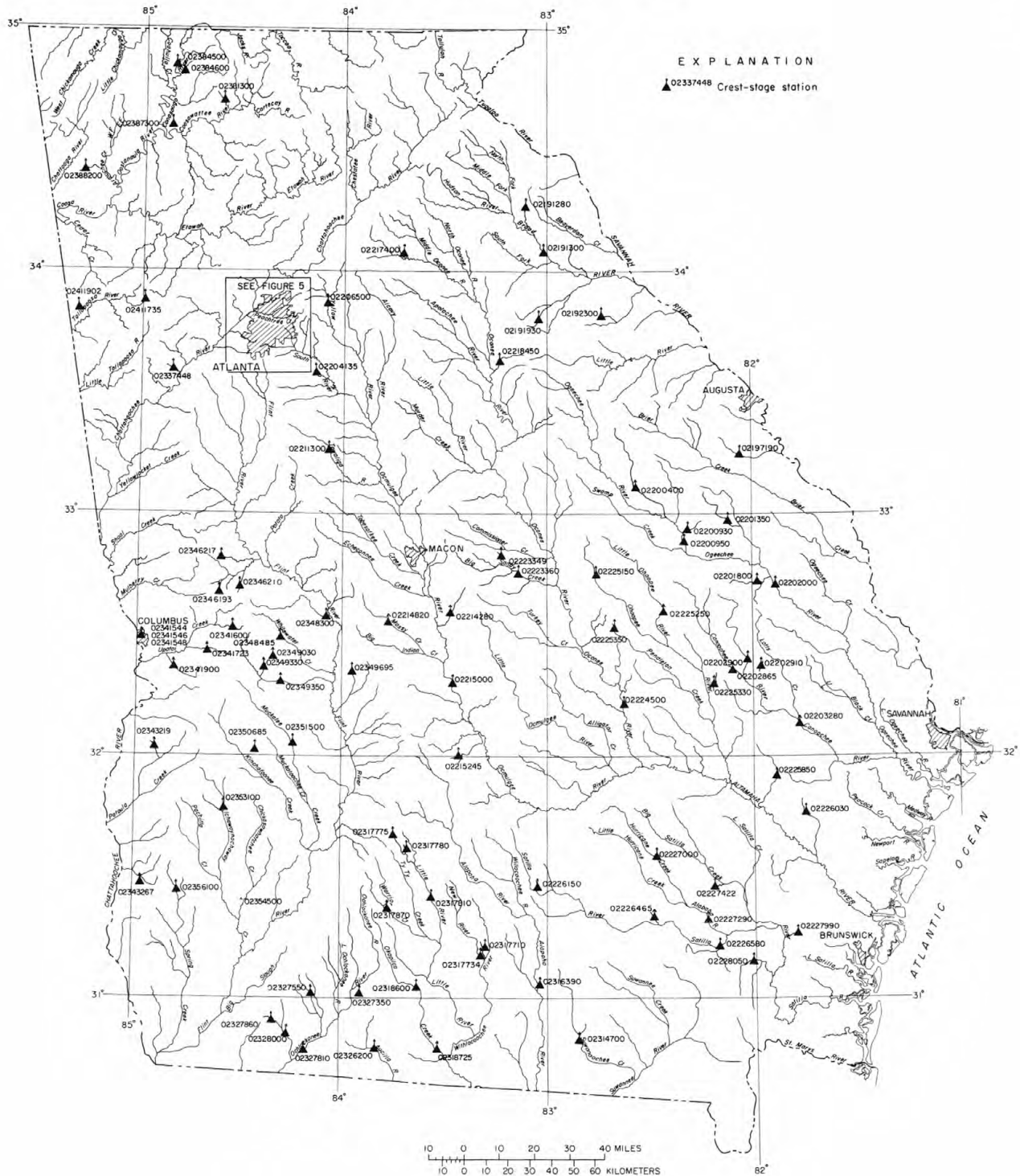


Figure 4.—Location of crest stage partial-record stations.



Figure 5 —Location of crest stage partial-record stations in Atlanta metropolitan area.



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

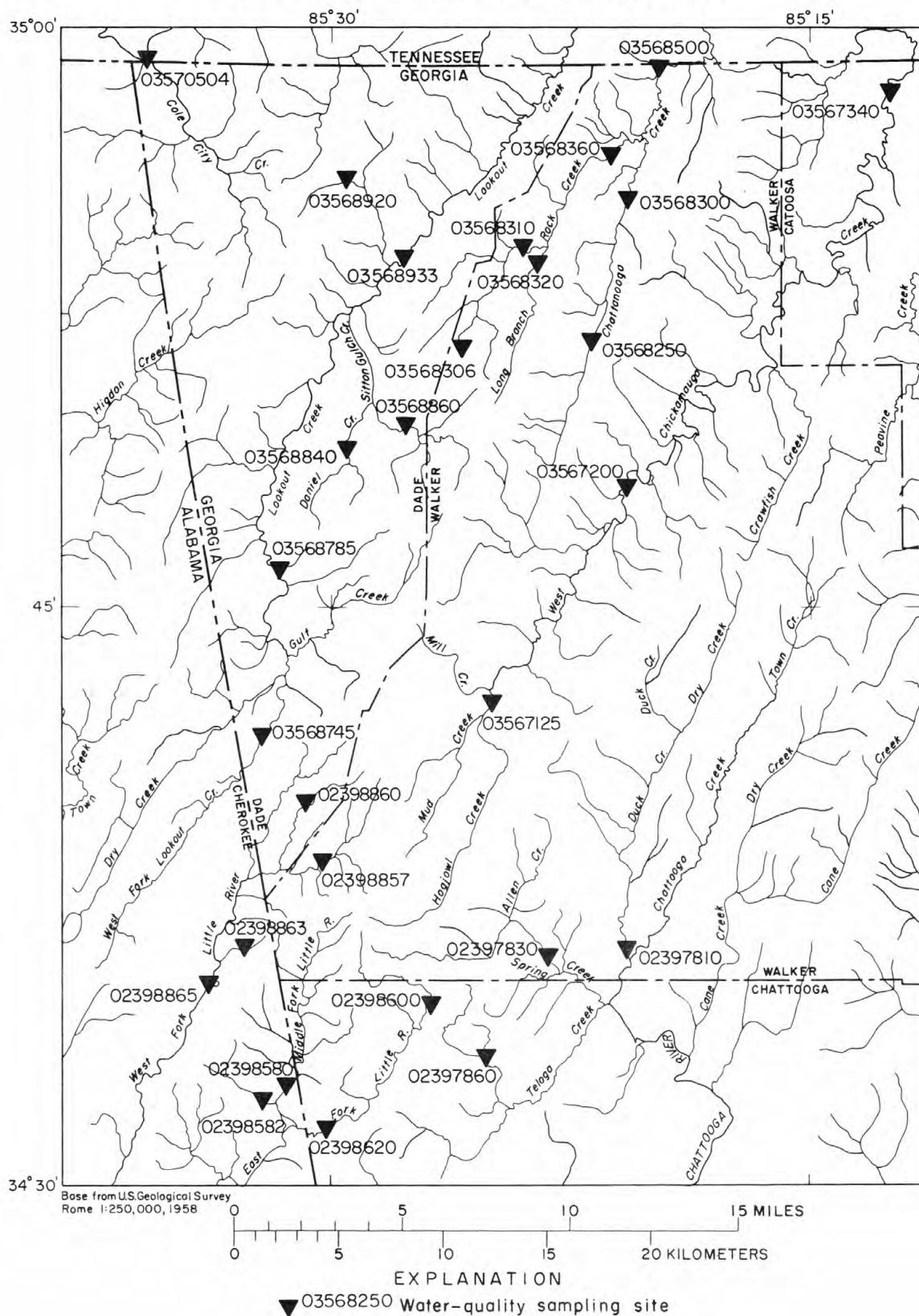
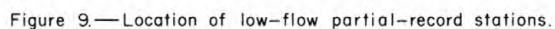


Figure 7.—Location of surface water-quality stations in northwest Georgia.



GAGING-STATION RECORDS

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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 (46 m) downstream from bridge on U.S. Highway 76, 2.8 mi (4.5 km) upstream from Stekoa Creek, 7 mi (11.3 km) southeast of Clayton, 9 mi (14.5 km) downstream from War Woman Creek, and 9 mi (14.5 km) upstream from confluence with Tallulah River.

DRAINAGE AREA.--207 mi² (536 km²).

WATER-DISCHARGE RECORDS

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

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

GAGE.--Water-stage recorder. Datum of gage is 1,165.6 ft (355.28 m) National Geodetic Vertical Datum of 1929. May 1907 to June 1908, nonrecording gage at site 400 ft (122 m) upstream at different datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--40 years, 664 ft³/s (18.8 m³/s), 43.56 in/yr (1,106 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 29,000 ft³/s (821 m³/s) Aug. 30, 1940, gage height, 13.8 ft (4.206 m), from rating curve extended above 4,700 ft³/s (133 m³/s) on basis of slope-area measurements at gage heights 9.9 and 13.2 ft (3.018 and 4.023 m); minimum, 88 ft³/s (2.49 m³/s) Oct. 8, 12, 13, 1954.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 3,400 ft³/s (96.3 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)	Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
Jan. 21	0315	5420 153	5.00 1.524	Mar. 23	2200	4710 133	4.73 1.442
Feb. 25	1830	4210 119	4.46 1.359	Apr. 13	1900	5500 156	5.09 1.551
Mar. 4	1400	*14800 419	9.03 2.752	Sept. 21	2330	6850 194	5.79 1.765

Minimum discharge, 166 ft³/s (4.70 m³/s) Nov. 13.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	303	178	304	1220	786	1230	1060	1100	1290	553	648	678
2	275	180	269	2560	756	1120	1050	1080	1040	532	589	582
3	240	177	283	1340	748	1060	1820	1130	2100	521	548	685
4	233	175	1200	1010	724	8800	2010	1070	1340	510	528	730
5	223	174	1380	868	690	4980	1560	1020	1190	499	510	622
6	215	171	771	794	683	2950	1250	1010	1080	511	498	575
7	209	174	558	1450	750	2440	1130	994	1030	831	482	517
8	206	182	521	2490	670	2110	1090	1050	1640	797	466	489
9	205	179	1130	1430	657	1840	1320	1310	1480	745	447	462
10	208	178	1110	1160	619	1660	1140	2070	1150	1200	434	443
11	208	174	752	1030	599	1550	1060	1560	1040	895	439	438
12	206	170	622	944	592	1430	1170	1780	950	1130	462	428
13	204	170	537	961	602	1360	4460	1590	910	1090	419	600
14	214	171	482	896	581	1340	2970	1380	870	811	407	1000
15	197	170	444	799	588	1280	2100	1230	850	720	395	674
16	197	174	441	758	641	1210	1750	1140	820	645	387	562
17	194	212	451	730	623	1170	1560	1080	802	611	376	524
18	194	613	403	704	638	1140	1460	1030	775	646	374	532
19	194	296	391	664	619	1110	1370	1000	739	597	364	492
20	192	226	384	1710	586	1090	1300	986	712	580	357	459
21	190	204	409	3550	680	1090	1230	1200	712	834	413	1800
22	186	199	391	1710	903	1070	1190	1240	703	852	362	3070
23	188	226	363	1360	1810	1960	1160	1410	667	746	601	1410
24	186	255	386	1460	2790	2740	1160	1700	649	825	492	1090
25	186	226	542	1240	3080	1710	1200	1400	640	1100	520	953
26	186	208	443	1110	2390	1410	1720	1180	613	1050	1790	868
27	185	296	406	1050	1620	1300	1510	1090	595	879	1090	937
28	183	388	385	999	1370	1210	1270	1060	586	864	839	1540
29	180	315	372	920	---	1150	1180	1010	577	742	678	1730
30	178	329	455	874	---	1110	1140	969	580	675	597	1680
31	174	---	1280	847	---	1090	---	1010	---	652	630	---
TOTAL	6339	6790	17865	38638	27795	56710	45390	37879	28130	23643	17142	26570
MEAN	204	226	576	1246	993	1829	1513	1222	938	763	553	886
MAX	303	613	1380	3550	3080	8800	4460	2070	2100	1200	1790	3070
MIN	174	170	269	664	581	1060	1050	969	577	499	357	428
CFSM	.99	1.09	2.78	6.02	4.80	8.84	7.31	5.90	4.53	3.69	2.67	4.28
IN.	1.14	1.22	3.21	6.94	5.00	10.19	8.16	6.81	5.06	4.25	3.08	4.77

CAL YR 1978	TOTAL	208837	MEAN 572	MAX 4410	MIN 170	CFSM 2.76	IN 37.53
WTR YR 1979	TOTAL	332891	MEAN 912	MAX 8800	MIN 170	CFSM 4.41	IN 59.82

SAVANNAH RIVER BASIN

02177000 CHATTOOGA RIVER NEAR CLAYTON, GA.--Continued

WATER-QUALITY RECORDS

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	PH (UNITS)	TEMPER- ATURE, AIR (DEG C)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)				
NOV 21...	1230	204	6.8	16.5	13.5	9.4				
JAN 10...	1020	1160	6.4	.0	2.0	11.1				
FEB 05...	1310	685	6.6	6.0	1.5	10.8				
MAR 05...	1025	4760	6.5	17.0	11.0	10.6				
APR 04...	0850	1890	6.5	13.5	13.0	9.4				
MAY 01...	1250	1110	6.7	24.0	15.0	9.9				
JUL 10...	0830	1220	6.6	17.5	16.0	9.0				
AUG 14...	0930	346	7.0	25.0	20.0	8.4				
SEP 06...	1530	568	6.8	25.0	23.0	9.2				

DATE	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	TUR- BID- ITY (JTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LITY (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 21...	17	8	.6	90	6	<1	<.02	.02	<.02	2.0
JAN 10...	14	2	.7	150	4	8	.03	<.02	.03	<1.0
FEB 05...	11	2	.4	<30	4	<1	.02	<.02	.04	<1.0
MAR 05...	15	19	.9	70	4	58	.06	<.02	.02	1.5
APR 04...	11	15	--	--	5	19	.04	<.02	.04	2.0
MAY 01...	13	4	.3	40	5	4	<.02	<.02	<.02	<5.0
JUL 10...	11	10	.6	1600	4	25	.04	.06	.04	<1.0
AUG 14...	10	5	.5	40	5	6	<.02	<.02	<.02	<1.0
SEP 06...	12	5	.3	230	5	3	<.02	<.02	<.02	<1.0

SAVANNAH RIVER BASIN

37

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 (30 m) downstream from county highway bridge, 120 ft (37 m) downstream from Persimmon Creek, 8 mi (12.9 km) upstream from Burton Dam, and 10.3 mi (16.6 km) west of Clayton.

DRAINAGE AREA.--56.5 mi² (146 km²).

WATER-DISCHARGE RECORDS

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

GAGE.--Water-stage recorder. Datum of gage is 1,868.93 ft (569.650 m) National Geodetic Vertical Datum of 1929 (levels by Georgia Department of Transportation).

REMARKS.--Records good.

AVERAGE DISCHARGE.--15 years, 208 ft³/s (5.89 m³/s), 49.99 in/yr (1,270 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 8,500 ft³/s (241 m³/s) May 28, 1973, gage height, 12.00 ft (3.658 m);

minimum discharge, 45 ft³/s (1.27 m³/s) Sept. 25, 26, 1964.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 1,200 ft³/s (34.0 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)	Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
Jan. 20	2045	1480 41.9	5.18 1.579	Mar. 23	1615	2570 72.8	6.59 2.009
Feb. 24	1130	1500 42.5	5.22 1.591	Apr. 13	1500	2210 62.6	6.18 1.884
Mar. 4	1245	*6240 177	10.12 3.085	Sept.21	1900	2690 76.2	6.72 2.048

Minimum discharge, 48 ft³/s (1.36 m³/s) Nov. 4-7.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	76	49	73	313	173	316	279	259	290	113	169	180
2	61	49	65	532	165	281	289	248	266	109	157	143
3	58	49	72	316	164	293	800	251	333	107	146	329
4	58	49	284	224	158	3910	702	261	307	104	138	226
5	56	49	259	184	148	1650	544	244	278	105	131	170
6	54	48	140	172	151	940	449	218	250	106	125	146
7	54	50	116	401	160	715	400	212	268	210	121	134
8	53	52	116	502	145	578	376	226	267	135	117	127
9	54	50	411	302	142	492	472	286	229	168	113	120
10	54	50	251	239	135	454	392	335	214	255	109	115
11	54	50	166	205	132	427	359	319	209	187	123	110
12	53	49	132	191	138	383	481	341	188	359	124	107
13	53	49	114	187	142	354	1580	337	173	268	107	196
14	56	49	102	170	138	361	975	292	160	210	103	265
15	53	49	94	153	151	325	681	261	158	181	100	175
16	53	54	97	145	183	303	546	242	162	157	97	151
17	51	114	97	139	177	287	473	227	158	141	94	139
18	51	102	86	134	182	276	433	214	150	136	93	136
19	51	59	85	133	163	263	389	206	144	130	90	126
20	51	53	85	654	160	255	370	202	143	180	87	122
21	50	51	98	779	222	254	352	306	144	330	84	752
22	50	49	86	444	289	262	333	272	138	269	86	639
23	50	85	82	340	456	989	318	319	131	220	142	333
24	53	73	106	370	1020	887	305	444	131	256	104	258
25	71	58	117	284	926	563	338	361	135	500	193	220
26	50	54	100	249	635	453	379	302	127	429	331	190
27	50	95	93	239	452	398	336	282	122	326	268	231
28	49	83	87	223	380	359	299	303	120	266	198	391
29	49	88	83	204	---	331	270	269	118	237	156	343
30	49	90	129	192	---	311	265	248	126	203	181	329
31	49	---	279	186	---	294	---	304	---	184	163	---
TOTAL	1674	1849	4105	8806	7487	17964	14185	8591	5639	6581	4250	6903
MEAN	54.0	61.6	132	284	267	579	473	277	188	212	137	230
MAX	76	114	411	779	1020	3910	1580	444	333	500	331	752
MIN	49	48	65	133	132	254	265	202	118	104	84	107
CFSM	.96	1.09	2.34	5.03	4.73	10.2	8.37	4.90	3.33	3.75	2.43	4.07
IN.	1.10	1.22	2.70	5.80	4.93	11.83	9.34	5.66	3.71	4.33	2.80	4.54

CAL YR 1978	TOTAL	55891	MEAN 153	MAX 1150	MIN 48	CFSM 2.71	IN 36.80
WTR YR 1979	TOTAL	88034	MEAN 241	MAX 3910	MIN 48	CFSM 4.27	IN 57.96

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 (discontinued).

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.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURES: Maximum, 23.5°C Aug. 10, 20; minimum, 1.0°C Jan. 4, 25, Feb. 1, 2, 6, 7, 11, 18, 19.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

				STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)		
DATE		TIME								
JAN 19...		1330		128	16	6.4	6.0	12.4		
AUG 15...		1215		104	23	6.6	17.0	7.6		
DATE	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	HARD- NESS (MG/L AS CACO3)	HARD- NESS, NONCAR- BONATE (MG/L CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LITY (MG/L CACO3)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2)
JAN 19...	0	1.0	5	0	1.3	.4	1.5	.5	10	--
AUG 15...	5	10	5	0	1.3	.4	1.4	.5	7	3.4
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)	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,NH4 + ORG. SUSP. TOTAL (MG/L AS N)
JAN 19...	.9	.9	.1	8.7	25	.05	.00	.77	.77	.77
AUG 15...	.7	.7	.0	10	22	.04	.00	.09	.09	.00
DATE	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)	ALUM- INUM, DIS- SOLVED (UG/L AS AL)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC DIS- SOLVED (UG/L AS AS)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	COPPER, DIS- SOLVED (UG/L AS CU)
JAN 19...	.00	.82	.00	.00	40	5	1	0	0	0
AUG 15...	--	.13	.01	.00	30	1	0	1	10	1
DATE	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)	CARBON, ORGANIC TOTAL (MG/L AS C)	
JAN 19...	80	0	0	20	<.5	<.5	0	0	.5	
AUG 15...	50	3	1	8	<.5	<.5	0	2	2.1	

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	18.0	14.0	12.5	9.0	11.0	9.0	10.0	8.0	3.5	1.0	9.5	7.5
2	17.5	13.5	13.0	9.0	10.0	7.0	10.0	3.5	3.0	1.0	10.0	6.5
3	17.0	14.0	13.0	8.5	9.0	7.5	3.5	2.0	4.5	3.0	9.5	9.0
4	18.5	10.5	11.5	8.0	12.0	9.0	2.0	1.0	6.5	4.5	10.0	9.5
5	17.0	13.0	11.5	8.0	10.5	9.0	4.0	1.5	4.5	3.0	10.5	9.5
6	15.5	12.0	11.5	8.0	9.0	7.0	4.5	4.0	4.0	1.0	9.5	8.0
7	14.5	11.0	10.0	9.0	9.0	6.5	7.0	4.5	4.0	1.0	9.0	7.0
8	13.5	9.5	13.5	10.0	12.5	9.0	7.0	4.0	5.0	2.0	9.5	7.5
9	12.5	9.0	13.0	11.0	13.5	8.5	4.0	1.5	5.0	2.5	10.0	6.5
10	13.5	9.5	14.0	11.0	8.0	5.5	4.0	3.0	3.5	1.0	9.5	7.0
11	14.5	10.0	14.0	11.5	6.0	4.5	4.5	3.5	5.0	1.0	8.5	6.5
12	15.5	11.0	13.0	9.5	6.5	4.0	5.5	4.5	5.0	2.5	9.5	5.5
13	16.0	12.5	13.0	9.5	6.5	4.0	6.5	5.0	6.0	3.5	10.5	6.5
14	15.5	12.5	13.0	11.5	5.5	4.0	6.5	4.0	6.0	4.0	12.0	9.0
15	12.5	9.5	14.0	13.0	5.5	3.0	4.0	1.5	7.5	5.5	10.0	7.0
16	12.0	8.5	15.5	14.0	7.0	4.5	4.5	2.0	10.0	7.0	9.0	5.5
17	11.5	7.0	15.0	14.5	7.0	3.5	6.5	4.5	7.5	4.5	10.5	5.5
18	11.0	7.0	14.5	11.0	5.0	3.0	8.5	6.0	4.0	1.0	12.0	7.5
19	12.0	6.5	11.0	8.5	10.5	5.0	5.5	4.5	5.5	1.0	13.0	9.0
20	13.0	8.0	11.0	9.0	12.0	8.0	7.0	4.5	5.5	2.0	14.5	10.0
21	13.5	8.5	11.0	8.0	12.0	8.0	7.0	4.0	5.5	4.5	13.5	12.0
22	14.0	9.0	10.5	8.5	8.5	6.0	5.0	3.5	7.0	5.0	12.5	11.5
23	14.5	9.5	10.0	10.0	6.0	2.5	5.0	3.5	7.5	6.0	11.5	10.5
24	15.0	10.5	12.0	10.0	6.5	5.5	4.5	2.0	9.0	7.5	10.5	8.5
25	13.5	12.0	10.5	8.0	7.5	6.0	3.5	1.0	9.0	7.5	8.0	6.0
26	16.0	12.0	9.0	7.5	6.5	4.5	4.5	2.0	7.5	5.0	10.0	5.5
27	16.0	12.5	9.0	8.5	5.5	4.0	5.0	4.0	8.0	5.0	10.0	7.0
28	15.5	11.5	11.0	9.0	4.0	2.5	4.5	3.0	8.5	5.5	12.5	8.5
29	15.0	10.5	10.0	8.5	3.5	2.0	4.0	1.5	---	---	12.5	9.0
30	13.5	10.0	10.5	9.0	5.5	3.0	4.5	1.5	---	---	14.0	10.5
31	13.5	9.0	---	---	8.5	6.0	5.0	2.0	---	---	14.0	11.5
MONTH	18.5	6.5	15.5	7.5	13.5	2.0	10.0	1.0	10.0	1.0	14.5	5.5
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	14.5	12.5	16.0	10.5	18.0	15.0	20.5	15.0	22.5	18.0	18.5	17.5
2	13.5	13.0	16.0	11.5	18.5	15.0	20.5	15.5	22.5	18.0	20.0	17.5
3	13.0	12.0	15.0	13.5	17.5	15.5	21.0	16.0	21.5	17.5	19.0	18.0
4	12.5	12.0	15.5	14.0	18.0	15.0	22.0	17.5	22.5	18.0	19.0	17.5
5	13.0	10.0	17.5	13.5	19.0	15.0	19.0	18.0	22.0	17.5	20.5	18.0
6	13.5	8.5	18.5	14.0	17.5	15.0	18.5	17.0	21.5	17.0	21.0	17.5
7	14.0	9.0	17.0	14.0	18.5	15.5	17.0	16.5	22.0	17.5	20.0	17.5
8	12.0	10.0	16.5	15.0	19.0	16.0	16.5	16.0	23.0	19.0	19.5	17.0
9	14.0	10.5	16.0	15.5	20.0	16.5	16.0	15.5	22.5	16.0	19.5	17.0
10	13.0	8.5	17.5	15.0	20.5	16.5	15.5	15.0	23.5	19.0	20.0	16.0
11	12.0	10.5	18.5	15.5	20.0	16.0	16.5	15.0	20.5	19.0	19.5	15.5
12	12.5	12.0	18.0	15.5	18.5	13.5	18.5	16.5	22.0	18.5	18.5	15.0
13	12.5	12.0	16.5	15.0	19.0	13.5	19.5	16.0	21.0	16.5	19.0	17.5
14	14.0	10.5	17.5	13.5	18.5	14.0	19.0	16.5	20.5	16.0	19.5	17.5
15	14.5	10.0	17.0	13.0	18.0	14.5	21.5	17.0	20.0	15.5	18.5	16.0
16	14.0	9.5	16.5	13.0	15.5	14.5	21.0	16.5	21.5	17.0	18.0	16.5
17	14.5	10.0	16.5	13.5	18.5	14.0	21.5	17.0	20.5	16.5	16.5	16.0
18	14.5	9.5	17.0	12.5	21.0	15.0	20.0	18.0	21.0	16.0	18.0	15.5
19	14.0	9.5	16.5	13.0	20.0	16.0	20.0	17.5	22.5	17.0	19.5	15.5
20	15.0	10.5	17.5	14.0	18.0	16.5	18.5	18.0	23.5	18.0	17.0	16.0
21	14.5	11.0	16.5	15.0	17.0	16.0	18.5	17.5	23.0	18.5	18.5	16.5
22	15.0	12.0	16.5	15.0	19.5	16.0	18.5	16.5	22.0	19.0	17.0	15.5
23	15.0	13.0	15.5	15.0	21.5	16.5	19.5	17.0	19.5	18.5	15.5	14.5
24	15.0	13.5	17.0	14.0	19.5	17.5	19.5	17.5	19.5	18.5	17.0	15.0
25	14.0	13.5	13.5	10.5	17.5	16.0	18.0	17.0	20.0	18.0	16.5	15.0
26	15.0	13.0	14.0	9.5	19.5	15.0	18.0	16.5	19.0	17.5	17.0	15.0
27	17.0	13.0	12.5	10.0	19.0	14.0	19.5	16.5	19.0	17.5	16.0	15.5
28	15.0	11.5	16.0	12.5	18.5	15.0	20.0	16.5	19.0	17.5	16.0	15.5
29	14.0	9.5	15.5	13.0	17.5	15.5	21.5	17.5	20.0	17.5	16.5	15.5
30	15.0	9.5	16.0	13.5	20.5	15.5	20.0	17.0	20.5	18.0	17.5	15.5
31	---	---	16.0	15.0	---	---	22.0	17.5	20.5	17.5	---	---
MONTH	17.0	8.5	18.5	9.5	21.5	13.5	22.0	15.0	23.5	15.5	21.0	14.5
YEAR	23.5	1.0										

SAVANNAH RIVER BASIN

02187500 SAVANNAH RIVER NEAR IVA, S.C.

LOCATION.--Lat 34°15'20", long 82°44'42", Anderson County, S.C.--Elbert County, Ga., Hydrologic Unit 03060103, on left bank at downstream side of bridge on State Highway 184, 0.5 mi (0.8 km) upstream from Little Generostee Creek, 5.8 mi (9.3 km) south-west of Iva, and at mile 296.5 (477.1 km).

DRAINAGE AREA.--2,231 mi² (5,778 km²).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1949 to current year. Monthly discharge only for some periods, published in WSP 1303.

GAGE.--Water-stage recorder. Datum of gage is 432.26 ft (131.753 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers).

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

AVERAGE DISCHARGE.--30 years, 4,517 ft³/s (128 m³/s), 27.49 in/yr (698 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 54,400 ft³/s (1,540 m³/s) Mar. 12, 1952, gage height, 12.74 ft (3.883 m); minimum, 75 ft³/s (2.12 m³/s) Oct. 24, 1961; minimum daily, 78 ft³/s (2.21 m³/s) Oct. 23, 24, 1961.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 33,300 ft³/s (943 m³/s) Apr. 13, gage height, 8.73 ft (2.661 m); minimum, 126 ft³/s (3.57 m³/s) Oct. 22, 23; minimum daily, 132 ft³/s (3.74 m³/s) Oct. 22.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	265	3980	4060	167	4630	3360	386	19300	12700	935	8560	2060
2	4170	3990	803	7760	4640	3460	9560	15900	4250	4260	8520	1730
3	4380	4010	162	7350	932	978	10500	15700	695	6470	8540	2410
4	4230	761	2870	5320	227	737	13400	11000	12200	3120	1580	5690
5	4410	139	2420	3140	3960	12700	14600	2490	13500	4630	1100	6860
6	4420	4240	5640	708	4680	14200	14000	537	13200	2570	8720	6120
7	470	5200	5230	285	4740	13900	4580	3640	13300	906	9250	6170
8	564	5210	4050	3940	5270	14000	532	4900	13300	985	8970	2360
9	4240	5190	684	4080	5440	13800	15700	4930	5380	4740	9030	1770
10	2620	5180	240	3690	2600	4120	19800	5930	2120	6220	9930	3440
11	4420	1100	3840	3710	394	2420	19900	5040	13100	4810	2020	3480
12	5080	157	4360	2530	4530	12500	20100	992	14900	4730	1030	4050
13	2840	5220	4340	1230	4140	14400	24000	582	14700	6600	2170	7640
14	241	4110	4170	625	3940	14400	22600	6630	14700	926	1820	7300
15	141	5940	3350	3490	2750	14200	4390	9770	14700	722	5500	1600
16	3850	3640	659	3840	5310	14100	4560	9610	5270	4680	4640	976
17	2850	2910	169	3830	904	3670	5610	9630	546	8340	4600	7080
18	2740	2180	4470	2430	1230	476	5580	9590	9680	6340	1810	7690
19	2740	319	5230	4920	1240	12900	11400	1030	11200	6370	1070	7970
20	2740	5280	5250	2090	1390	14500	12800	382	10300	6430	9030	10500
21	650	5620	5230	6100	8400	14600	6160	7790	11200	1470	6950	7970
22	132	7030	5250	6960	8540	14600	2270	11200	11200	1190	5940	1380
23	3820	4160	840	4980	8950	15300	13500	12900	1570	5880	5950	289
24	4470	3260	185	5050	4590	3090	14300	13200	332	8280	5910	4960
25	2880	214	220	5340	5470	856	10700	12900	10100	8580	1820	5810
26	9120	138	6370	4670	7560	7960	14700	8820	11300	8270	1120	5770
27	2810	8170	10900	970	4000	8740	14600	939	11100	8300	6050	6760
28	650	3960	8420	321	2690	8710	13200	9520	9260	1500	5720	8200
29	155	3920	7330	4000	---	8730	8230	10300	9750	1040	5620	1550
30	3150	6290	854	4670	---	7190	15200	11100	2480	7610	6070	481
31	4200	---	162	4650	---	1250	---	12700	---	8850	6140	---
TOTAL	89448	111518	107758	112846	113147	275847	346858	248952	278033	145754	165180	140066
MEAN	2885	3717	3476	3640	4041	8898	11560	8031	9268	4702	5328	4669
MAX	9120	8170	10900	7760	8950	15300	24000	19300	14900	8850	9930	10500
MIN	132	138	162	167	227	476	386	342	332	722	1030	289
MEAN†	2563	2373	3058	7600	7613	9173	12150	8601	6399	5963	3664	5104
CFSM†	1.15	1.06	1.37	3.41	3.41	4.11	5.45	3.86	2.87	2.67	1.64	2.29
IN†	1.33	1.18	1.58	3.93	3.55	4.74	6.08	4.45	3.20	3.08	1.89	2.56

CAL YR 1978 TOTAL 1673582 MEAN 4585 MAX 17200 MIN 132 MEAN† 4346 CFSM† 1.95 IN† 26.44
WTR YR 1979 TOTAL 2135407 MEAN 5850 MAX 24000 MIN 132 MEAN† 6172 CFSM† 2.77 IN† 37.55

† ADJUSTED FOR CHANGE IN CONTENTS IN LAKE BURTON, MATHIS RESERVOIR, AND HARTWELL LAKE.

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

WATER-QUALITY RECORDS

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, Air Temperature, Water Temperature, pH, and Dissolved Oxygen by 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 1978 TO SEPTEMBER 1979

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	PH (UNITS)	TEMPER- ATURE, AIR (DEG C)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
NOV 21...	1015	1920	6.7	14.5	14.0	9.2
FEB 05...	1125	13000	7.0	7.0	7.0	11.2
MAY 01...	1115	19200	6.9	23.0	11.5	10.1
AUG 14...	1135	399	6.5	30.0	22.0	7.4

DATE	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	TUR- BID- ITY (JTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LIVITY (MG/L AS CAC03)	NITRO- GEN, NO2+N03 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	CARBON, ORGANIC TOTAL (MG/L AS C)
NOV 21...	32	7	.3	40	12	.03	<.02	.02	420	290	1.0
FEB 05...	38	7	.8	40	10	.24	.02	.06	410	75	1.0
MAY 01...	36	6	1.4	<30	9	.17	<.02	<.02	110	<50	--
AUG 14...	24	7	.9	90	10	.19	.11	<.02	750	340	<1.0

02189000 SAVANNAH RIVER NEAR CALHOUN FALLS, S.C.

LOCATION.--Lat 34°04'15", long 82°38'30", Abbeville County, S.C.-Elbert County, Ga., Hydrologic Unit 03060103, on left bank 150 ft (46 m) upstream from bridge on State Highway 72, 1.0 mi (1.6 km) downstream from Seaboard Coast Line Railroad bridge, 1.5 mi (2.4 km) downstream from Rocky River, 3.0 mi (4.8 km) southwest of Calhoun Falls, and at mile 279.7 (450.0 km).

DRAINAGE AREA.--2,876 mi² (7,449 km²).

PERIOD OF RECORD.--August 1896 to August 1898, March 1899 to December 1900, January to December 1903, March 1930 to July 1932, April 1938 to current year. Published as "at Calhoun Falls" 1897-99. Records for January 1901 to December 1902, published in WSP 65, 75, and 83 have been found unreliable, and should not be used. Gage-height records collected at original site 1.0 mi (1.6 km) upstream during 1899-1928 and at present site since 1928 are contained in reports of National Weather Service.

REVISED RECORDS.--WSP 1303: 1930-32, 1938-39 (monthly runoff). WSP 1433: 1899-1900, 1932, 1940(m), 1946. See also period of record.

GAGE.--Water-stage recorder. Datum of gage is 363.53 ft (110.804 m) National Geodetic Vertical Datum of 1929. Prior to July 1, 1928, nonrecording gage at railroad bridge 1.0 mi (1.6 km) upstream at datum about 369.0 ft (112.47 m) above mean sea level.

REMARKS.--Records good. Flow regulated by Lake Burton, Mathis Reservoir, and Hartwell Lake. (See "Lakes and Reservoirs in Savannah River Basin," stations 02178500, 02179500, and 02187250.) Records of chemical analyses for the water years 1970-74 are published in reports of the Geological Survey.

AVERAGE DISCHARGE.--44 years (1896-97, 1899-1900, 1930-31, 1938-79), 5,320 ft³/s (151 m³/s), 25.12 in/yr (638 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 96,500 ft³/s (2,730 m³/s) Aug. 13, 1940, gage height, 11.52 ft (3.511 m), from rating curve extended above 50,000 ft³/s (1,420 m³/s), by velocity-area studies; minimum daily, 300 ft³/s (8.50 m³/s) Nov. 5, 1961.

EXTREMES OUTSIDE PERIOD OF RECORD.--The flood of Aug. 25, 1908 reached a stage of 28.2 ft (8.60 m) at original site and datum, from records of National Weather Service, discharge, 144,000 ft³/s (4,080 m³/s), from rating curve extended above 14,000 ft³/s (396 m³/s).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 52,900 ft³/s (1,500 m³/s) Apr. 13, gage height, 7.78 ft (2.371 m); minimum daily, 354 ft³/s (10.0 m³/s) Jan. 1.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	797	4140	6080	354	5470	3700	1130	20300	13700	1320	9240	4530
2	2710	4160	2320	5370	5360	4550	7370	16900	7490	2910	9230	1730
3	4910	4100	549	8140	3650	3870	11600	16800	2280	6560	9240	1800
4	4860	3560	1850	6400	1080	1790	15000	13500	9030	4220	4580	4580
5	4820	503	7120	5540	2560	11000	17200	4500	14700	5050	1150	7570
6	4830	807	7410	3630	5460	15900	16000	1120	14100	3510	6550	7000
7	2920	5740	7570	740	6000	15900	8830	2940	14100	2750	9810	6900
8	695	5000	6360	1890	6260	15900	1720	5200	14400	1090	9090	4520
9	2810	5360	2950	4550	6950	15800	14700	5320	9030	3440	9850	2040
10	3250	5370	572	4300	4720	9160	22500	6120	3870	6820	10700	2160
11	4660	4810	1340	4140	1670	3310	21600	5770	9870	5520	5480	3330
12	5250	537	4520	4270	3410	9800	21700	4110	15500	5450	1260	4200
13	4110	1430	4560	3020	6150	16400	36300	1460	15500	7090	1550	6580
14	1120	6030	4530	1570	4730	16400	37400	5290	15500	3950	2090	8660
15	472	4490	4930	1680	3330	16500	13300	9750	15600	828	4770	3850
16	1370	6190	2040	4460	4970	16300	5010	10300	9210	5640	5170	1200
17	4610	2850	472	4380	3770	9050	6230	10200	2050	9270	4670	4690
18	2700	2410	1010	4330	2200	1580	6690	10200	6860	6990	3520	8290
19	2650	1360	5450	3790	4700	9380	12300	4590	12000	6940	1240	8460
20	2660	2960	5430	4890	4790	15700	13500	1020	11900	7190	6090	11000
21	1610	5480	5460	9560	9090	15800	10100	6570	12000	6300	8210	9010
22	493	7110	5440	9700	10900	15700	3230	11700	11900	2850	6520	4950
23	917	7210	4300	5070	15200	17100	11200	14100	6030	4920	6620	764
24	4580	3600	617	6980	16500	10700	15100	15700	921	8770	6600	3190
25	4620	1020	569	6940	12800	2100	12100	15100	6340	9840	4540	6460
26	6380	438	3110	5930	15500	5790	16300	10700	11800	9300	1330	6450
27	5730	4750	11300	5120	9110	10600	15900	3870	11800	9060	3830	7980
28	1640	6700	10100	1360	4110	10000	14700	7050	9230	4760	6770	8000
29	491	3900	6960	2930	---	9960	9890	11400	10200	1260	6260	4530
30	818	4600	4800	5550	---	9020	15500	12300	7400	5630	6110	899
31	4100	---	555	5530	---	4500	---	13800	---	9420	6870	---
TOTAL	93583	116615	130274	142114	180440	323260	414100	277680	304311	168648	178940	155323
MEAN	3019	3887	4202	4584	6444	10430	13800	8957	10140	5440	5772	5177
MAX	6380	7210	11300	9700	16500	17100	37400	20300	15600	9840	10700	11000
MIN	472	438	472	354	1080	1580	1130	1020	921	828	1150	764

CAL YR 1978 TOTAL 1960070 MEAN 5370 MAX 31100 MIN 438 MEAN+ 5131 CFSM+ 1.78 IN+ 24.22
WTR YR 1979 TOTAL 2485288 MEAN 6809 MAX 37400 MIN 354 MEAN+ 7131 CFSM+ 2.48 IN+ 33.66

† ADJUSTED FOR CHANGE IN CONTENTS IN LAKE BURTON, MATHIS RESERVOIR, AND HARTWELL LAKE.

02191200 HUDSON RIVER AT HOMER, GA.

LOCATION.--Lat 34°20'15", long 83°29'17", Banks County, Hydrologic Unit 03060104, on downstream side of center pier of bridge on State Highway 15 at Homer, 3.6 mi (5.8 km) upstream from Webb Creek, and 10.8 mi (17.4 km) upstream from Grove Creek.

DRAINAGE AREA.--61.1 mi² (158 km²).

PERIOD OF RECORD.--Annual maximum 1951-58, and occasional low-flow measurements 1942, 1950-52, 1954, 1955. June 1959 to September 1979 (discontinued).

REVISED RECORDS.--WSP 1904: 1954-55(M). WSP 2104: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 694.61 ft (211.717 m) National Geodetic Vertical Datum of 1929. July 10, 1950, to June 19, 1959, crest-stage gage at site 60 ft (18 m) downstream at same datum.

REMARKS.--Records good. Records of chemical analyses for the water year 1970 are published in reports of the Geological Survey. AVERAGE DISCHARGE.--20 years (1959-79), 112 ft³/s (3.17 m³/s), 24.89 in/yr (632 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 7,050 ft³/s (200 m³/s) May 29, 1976, gage height, 14.73 ft (4.490 m); minimum daily, 24 ft³/s (0.68 m³/s) July 19, 20, 1970.

EXTREMES OUTSIDE PERIOD OF RECORD.--A discharge of 8.62 ft³/s (0.244 m³/s) was measured on Sept. 23, 1955.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 800 ft³/s (22.7 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s) (m ³ /s)		Gage height (ft) (m)		Date	Time	Discharge (ft ³ /s) (m ³ /s)		Gage height (ft) (m)	
Jan. 21	1100	1290	36.5	8.53	2.600	Apr. 13	2130	*4920	139	13.10	3.993
Feb. 24	2230	1630	46.2	9.22	2.810	June 3	1400	944	26.7	7.62	2.323

Minimum discharge, 31 ft³/s (0.88 m³/s) Oct. 13, 17, 18, 21-24.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	49	33	42	60	76	146	85	124	189	66	79	57
2	40	34	38	105	74	131	84	121	122	62	73	61
3	36	33	41	82	75	123	147	118	603	60	69	109
4	36	33	80	68	74	547	462	122	212	57	66	101
5	34	33	191	64	71	301	242	134	144	57	65	62
6	33	33	87	62	71	183	155	121	121	60	70	56
7	32	34	69	112	92	151	128	120	124	73	64	54
8	32	36	63	171	89	137	118	122	189	86	61	50
9	32	35	73	96	91	123	504	119	139	122	59	46
10	33	34	76	80	83	113	214	121	107	119	57	44
11	32	34	64	72	81	110	155	104	95	89	57	45
12	32	34	60	73	80	101	153	101	87	88	62	45
13	32	36	57	106	80	98	2700	110	82	82	56	51
14	38	36	55	96	77	101	1940	98	78	71	54	59
15	32	35	54	81	75	96	332	91	77	68	54	47
16	32	35	54	75	74	90	261	89	76	63	52	45
17	32	39	60	70	70	89	222	86	74	60	50	44
18	31	70	54	67	72	88	201	84	74	74	48	62
19	33	45	52	64	87	87	185	83	73	98	46	56
20	32	38	52	232	94	85	173	83	72	156	43	48
21	32	35	54	839	171	85	163	97	79	117	40	66
22	32	34	51	216	201	88	154	95	80	104	41	108
23	32	38	49	143	502	243	148	86	74	94	50	62
24	31	38	53	239	951	295	148	105	71	102	50	56
25	34	35	59	155	1040	151	153	86	72	136	61	54
26	33	34	53	121	547	121	224	82	70	197	103	54
27	33	43	51	104	215	105	172	79	67	116	78	79
28	32	48	49	94	165	96	146	81	65	101	60	109
29	32	43	49	87	---	91	135	103	64	86	80	79
30	33	52	51	83	---	89	130	98	82	79	63	73
31	32	---	63	81	---	91	---	174	---	80	62	---
TOTAL	1039	1140	1904	3998	5378	4355	10034	3237	3462	2823	1873	1882
MEAN	33.5	38.0	61.4	129	192	140	334	104	115	91.1	60.4	62.7
MAX	49	70	191	839	1040	547	2700	174	603	197	103	109
MIN	31	33	38	60	70	85	84	79	64	57	40	44
CFSM	.55	.62	1.01	2.11	3.14	2.29	5.47	1.70	1.88	1.49	.99	1.03
IN.	.63	.69	1.16	2.43	3.27	2.65	6.11	1.97	2.11	1.72	1.14	1.15
CAL YR 1978	TOTAL	31520	MEAN	86.4	MAX	1710	MIN	31	CFSM	1.41	IN	19.19
WTR YR 1979	TOTAL	41125	MEAN	113	MAX	2700	MIN	31	CFSM	1.85	IN	25.04

02191970 LITTLE MACKS CREEK NEAR LEXINGTON, GA.

LOCATION.--Lat 33°56'28", long 82°52'18", Oglethorpe County, Hydrologic Unit, 03060104, on right bank 10 ft (3.0 m) upstream from culvert wingwall on State Highway 77, 11.3 mi (18.2 km) northeast of junction with U.S. Highway 78 in Lexington.

DRAINAGE AREA.--1.77 mi² (4.58 km²).

PERIOD OF RECORD.--Annual maximum, water years 1960-74, December 1974 to current year. Prior to October 1977, published as

Macks Creek Tributary No. 2 near Lexington.

GAGE.--Water-stage recorder. Altitude of gage is 510 ft (155 m), from topographic map.

REMARKS.--Records fair.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 853 ft³/s (24.2 m³/s) Nov. 5, 1977, gage height, 10.49 ft (3.197 m); minimum, 0.15 ft³/s (0.004 m³/s) Oct. 22, 1978.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 100 ft³/s (2.83 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s) (m ³ /s)		Gage height (ft) (m)		Date	Time	Discharge (ft ³ /s) (m ³ /s)		Gage height (ft) (m)	
Feb. 24	0700	202	5.72	4.84	1.475	Apr. 13	1400	*320	9.06	6.11	1.862
Mar. 23	1645	107	3.03	3.67	1.119						

Minimum discharge, 0.15 ft³/s (0.004 m³/s) Oct. 22.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.1	.49	.60	.37	2.1	6.0	2.5	1.9	5.7	.72	1.3	1.2
2	.45	.52	.51	3.8	2.0	4.8	2.5	1.7	4.4	.62	1.1	1.0
3	.40	.50	.52	1.6	1.9	4.1	2.2	1.6	3.9	.56	1.5	1.1
4	.36	.48	2.0	1.3	1.8	5.6	6.8	1.6	3.3	.53	.95	1.2
5	.35	.42	2.0	1.3	1.8	4.9	4.8	1.6	2.8	.54	.89	1.6
6	.33	.48	.88	1.2	3.1	4.1	3.9	1.5	2.8	.68	1.0	1.0
7	.32	.54	.69	2.5	8.3	3.7	3.6	1.5	5.0	1.2	1.2	.91
8	.36	.62	.59	2.3	6.7	3.4	3.5	1.4	8.0	1.1	.82	.70
9	.40	.57	.66	1.9	5.3	3.0	12	2.1	5.3	1.0	.84	.65
10	.36	.56	.58	1.7	4.1	2.7	6.4	1.9	4.1	1.3	.84	.72
11	.32	.53	.51	1.6	3.7	3.2	5.1	1.5	3.5	.80	1.0	.62
12	.36	.51	.52	3.0	3.4	2.8	5.6	1.3	2.9	.79	1.7	.66
13	.36	.55	.48	5.3	3.0	2.7	71	1.5	2.4	.66	2.9	.78
14	.62	.56	.46	3.8	2.9	2.7	13	1.5	2.1	.54	1.4	.79
15	.34	.54	.45	2.9	2.6	2.6	8.2	1.2	2.0	.50	1.3	.59
16	.45	.53	.43	2.6	2.6	2.5	6.9	.91	1.9	.46	1.1	.55
17	.42	.53	.41	2.4	2.5	2.2	5.3	.88	1.7	.43	.98	.70
18	.40	.56	.41	2.0	3.0	2.1	4.3	.86	1.5	.44	.79	1.5
19	.36	.42	.42	1.6	2.5	2.1	3.6	.78	1.4	.91	.74	1.0
20	.32	.46	.41	11	3.0	2.2	3.2	.72	1.3	1.4	.82	.87
21	.25	.46	.47	12	9.3	2.1	2.9	4.2	1.3	4.8	.70	.93
22	.19	.47	.43	5.7	13	2.1	2.6	2.6	1.2	3.5	.70	1.1
23	.32	.48	.40	4.5	37	17	2.4	2.2	1.0	2.8	1.1	.80
24	.28	.48	.89	9.2	59	11	2.2	2.2	.93	2.5	.89	1.2
25	.36	.51	.60	5.1	26	7.7	2.6	1.7	1.0	2.2	.87	.79
26	.40	.53	.48	4.1	11	5.5	3.9	1.4	1.0	1.9	.70	.82
27	.45	1.1	.43	3.6	8.8	4.7	3.2	1.1	.92	1.8	.94	1.4
28	.44	.77	.41	3.2	7.0	4.0	2.8	1.1	.88	1.6	.79	1.3
29	.48	.73	.38	2.8	---	3.6	2.2	13	.76	1.5	1.4	1.5
30	.50	.79	.32	2.4	---	3.2	2.1	6.5	.86	1.3	1.0	.96
31	.51	---	.29	2.3	---	2.8	---	6.2	---	1.3	.99	---
TOTAL	12.56	16.69	18.63	109.07	237.4	131.1	201.3	70.15	75.85	40.38	33.25	28.94
MFAN	.41	.56	.60	3.52	8.48	4.23	6.71	2.26	2.53	1.30	1.07	.96
MAX	1.1	1.1	2.0	12	59	17	71	13	8.0	4.8	2.9	1.6
MIN	.19	.42	.29	.37	1.8	2.1	2.1	.72	.76	.43	.70	.55
CFSM	.23	.32	.34	1.99	4.79	2.39	3.79	1.28	1.43	.73	.61	.54
IN.	.26	.35	.39	2.29	4.99	2.75	4.23	1.47	1.59	.85	.70	.61

CAL YP 1978 TOTAL 574.09 MEAN 1.57 MAX 81 MIN .19 CFSM .89 IN 12.06
WTR YR 1979 TOTAL 975.32 MEAN 2.67 MAX 71 MIN .19 CFSM 1.51 IN 20.49

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 (0.8 km) downstream from Long Creek, 1 mi (1.6 km) south of Bells Crossroads, and 12 mi (19.3 km) southeast of Elberton.

DRAINAGE AREA.--1,430 mi² (3,700 km²), approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1926 to September 1932, August 1937 to current year. Monthly discharge only for some periods, 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 (108.862 m) National Geodetic Vertical Datum of 1929. Prior to October 1928, nonrecording gage at railroad bridge about 1 mi (1.6 km) downstream at datum 1.12 ft (0.34 m) lower. October 1928 to July 1932, and August 1937 to January 1939, nonrecording gage at present site and datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--48 years, 1,815 ft³/s (51.4 m³/s), 17.24 in/yr (438 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 79,400 ft³/s (2,250 m³/s) Oct. 2, 1929, gage height, 34.8 ft (10.61 m), from rating curve extended above 30,000 ft³/s (850 m³/s) on basis of slope-conveyance studies; minimum, 108 ft³/s (3.06 m³/s) Oct. 8, 1954.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known since at least 1926, that of Oct. 2, 1929.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 14,000 ft³/s (396 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)	Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
Feb. 25	1530	25000 708	23.28 7.096	Apr. 14	2230	*30900 875	25.39 7.739

Minimum daily discharge, 408 ft³/s (11.6 m³/s) Oct. 26.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	478	449	749	692	1460	3660	1610	1770	3270	1220	1160	1500
2	622	448	690	1290	1390	3060	1570	1690	2630	1060	1110	1280
3	577	448	639	2340	1350	2610	1560	1630	2040	950	1060	1130
4	550	450	674	1510	1340	2960	3170	1600	3860	919	1020	1220
5	546	452	1400	1150	1310	5960	6990	1600	2840	895	997	1440
6	541	456	1880	1020	1300	4510	4270	1660	2010	882	966	1200
7	532	460	1220	1040	3040	3030	2640	1570	1760	912	945	1020
8	528	478	946	1720	3780	2580	2230	1590	2870	1180	935	943
9	519	539	857	2010	2980	2320	4590	1610	3240	1300	910	903
10	510	534	869	1420	2210	2080	6950	1770	2290	1340	890	854
11	505	527	912	1190	1890	2090	3880	1810	1780	1460	871	821
12	502	525	815	1170	1720	2050	2800	1620	1560	1310	915	804
13	498	516	764	2260	1630	1860	9530	1720	1410	1200	1060	801
14	492	505	734	2390	1560	1780	26000	1760	1350	1120	958	835
15	482	504	715	1810	1510	1800	26900	1570	1310	1070	894	868
16	478	509	697	1440	1470	1710	15800	1450	1290	1020	866	827
17	473	519	690	1270	1430	1630	5180	1390	1280	940	847	784
18	469	604	704	1170	1450	1600	3830	1330	1280	902	840	836
19	462	836	695	1100	1550	1580	3270	1290	1260	884	837	1100
20	452	718	675	1300	1640	1560	2870	1270	1240	1240	832	1060
21	444	609	673	8290	2940	1540	2500	1880	1230	2860	825	926
22	436	568	702	10300	4680	1540	2260	2810	1200	6460	817	975
23	428	560	700	4510	10200	2560	2090	1930	1160	3860	939	1240
24	420	571	693	3970	18200	7160	1980	2000	1120	2000	1090	1060
25	412	586	831	4370	24200	5130	1930	2200	1070	2200	1390	955
26	408	564	863	2770	21400	2640	2760	1650	1030	2020	1240	924
27	428	578	779	2200	16000	2160	3460	1460	1010	2140	1660	1030
28	444	717	733	1920	5880	1930	2540	1380	967	1640	1360	1220
29	448	751	707	1720	---	1800	2060	2540	947	1500	1170	1540
30	452	736	685	1600	---	1720	1870	3710	946	1320	1330	1500
31	450	---	680	1530	---	1660	---	2440	---	1210	1220	---
TOTAL	14986	16717	25371	72472	139510	80270	159090	55700	51250	49014	31954	31596
MEAN	483	557	818	2338	4983	2589	5303	1797	1708	1581	1031	1053
MAX	622	836	1880	10300	24200	7160	26900	3710	3860	6460	1660	1540
MIN	408	448	639	692	1300	1540	1560	1270	946	882	817	784
CFSM	.34	.39	.57	1.64	3.49	1.81	3.71	1.26	1.19	1.11	.72	.74
IN.	.39	.43	.66	1.89	3.63	2.09	4.14	1.45	1.33	1.28	.83	.82
CAL YR 1978 TOTAL	544502			MEAN 1492	MAX 28300	MIN 408	CFSM 1.04	IN 14.16				
WTR YR 1979 TOTAL	727930			MEAN 1994	MAX 26900	MIN 408	CFSM 1.39	IN 18.94				

SAVANNAH RIVER BASIN

02192000 BROAD RIVER NEAR BELL, GA.--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--November 1969 to June 1979 (discontinued).

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	PH (UNITS)	TEMPER- ATURE, AIR (DEG C)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)				
NOV 21...	0935	613	7.1	7.0	11.0	11.9				
FEB 05...	1020	1320	7.1	6.0	6.5	11.6				
MAY 01...	1000	1760	7.1	22.0	17.0	8.8				

DATE	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	TUR- BID- ITY (JTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LINITY (MG/L AS CAC03)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
NOV 21...	55	15	.7	930	21	.12	<.02	.04	2.0
FEB 05...	45	18	.6	90	11	.14	<.02	.08	<1.0
MAY 01...	37	20	.9	230	16	.22	<.02	.04	<5.0

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	TEMPER- ATURE (DEG C)	TUR- BID- ITY (NTU)	SEDI- MENT, SUS- PENDED (MG/L)	SEDI- MENT DIS- CHARGE, SUS- PENDED (T/DAY)
JAN 09...	1045	2070	5.5	65	283	1580

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 old bridge 600 ft (183 m) upstream from U.S. Highways 78 and 278 at Fort Gordon.

DRAINAGE AREA.--7.5 mi² (19.4 km²).

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

GAGE.--Water-stage recorder. Altitude of gage is 280 ft (85 m), from topographic map.

REMARKS.--Records fair except those of no gage-height record, Oct. 6 to Dec. 18, Feb. 1 to Mar. 14, and Apr. 26 to June 8, which are poor.

AVERAGE DISCHARGE.--11 years, 8.30 ft³/s (0.235 m³/s), 15.03 in/yr (382 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 7.00 ft (2.134 m), from floodmark, Mar. 3, 1971 (discharge not determined);

minimum daily discharge, 0.10 ft³/s (0.003 m³/s) June 29, July 21, 1969.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 6.30 ft (1.920 m) July 19 (discharge not determined); minimum daily, 0.90 ft³/s (0.025 m³/s) Oct. 6.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.5	1.4	8.0	5.1	6.8	16	8.2	9.0	80	1.8	9.8	27
2	1.2	1.6	6.0	20	6.2	14	7.9	8.5	30	1.7	9.0	22
3	1.0	1.7	5.0	9.4	6.8	12	8.4	8.0	15	1.5	4.3	14
4	1.0	1.8	4.0	6.4	8.7	17	35	7.5	11	1.4	3.3	34
5	.93	2.1	6.5	5.9	6.8	15	16	7.0	8.0	1.3	2.8	53
6	.90	3.0	5.0	5.8	25	13	10	6.5	7.0	1.3	2.5	13
7	1.0	3.5	4.5	7.2	51	11	8.9	7.0	5.5	1.5	2.6	8.4
8	1.0	5.5	4.8	11	15	11	8.7	7.5	4.5	3.1	2.2	6.8
9	.95	3.5	5.5	6.8	11	11	43	8.0	2.7	3.9	2.1	5.6
10	.93	3.0	4.0	6.1	9.4	20	14	35	2.3	3.2	2.0	4.8
11	1.0	2.7	4.0	5.9	8.7	15	11	18	2.2	2.6	2.5	4.6
12	1.1	2.4	4.5	9.6	8.1	13	11	14	2.0	2.4	15	4.7
13	15	2.3	5.0	11	7.9	12	29	14	1.5	2.2	4.1	5.3
14	10	2.1	4.5	7.8	7.5	12	26	80	1.5	2.0	2.9	5.5
15	6.5	2.0	4.0	6.3	7.5	11	12	40	1.5	1.8	2.3	4.3
16	4.5	1.9	5.5	6.0	7.4	9.8	9.9	20	2.0	1.5	2.2	4.0
17	3.3	1.8	5.0	6.0	6.8	9.4	8.9	12	2.6	16	2.5	5.3
18	2.7	1.7	5.0	6.1	60	9.2	8.4	10	2.5	19	2.2	6.4
19	2.2	1.7	5.0	5.9	30	9.0	7.8	9.0	2.3	78	2.0	6.9
20	2.0	1.6	5.1	7.5	15	8.7	7.5	11	1.8	60	1.8	5.6
21	1.8	1.6	5.6	37	30	8.5	7.0	10	5.0	95	1.7	5.7
22	1.7	1.6	5.1	11	60	12	6.6	35	18	57	22	5.8
23	1.6	1.5	5.1	8.4	25	28	6.4	25	4.5	15	31	4.6
24	1.6	1.5	18	24	60	29	6.4	17	3.0	14	9.8	4.9
25	1.5	1.5	9.6	10	150	13	24	15	3.3	8.8	7.0	19
26	1.5	1.5	5.8	8.3	50	11	60	13	3.1	6.7	4.4	18
27	1.5	5.0	5.1	7.8	25	9.8	20	11	2.5	6.0	3.9	12
28	1.4	10	5.1	7.7	18	9.2	14	10	2.1	5.3	4.5	9.9
29	1.4	7.0	5.1	6.9	---	8.8	11	9.0	1.9	3.9	4.0	9.3
30	1.4	17	5.0	6.6	---	8.5	9.5	13	1.8	3.2	3.5	11
31	1.4	---	5.1	7.5	---	8.4	---	70	---	3.1	7.8	---
TOTAL	75.51	95.5	175.5	291.0	723.6	395.3	456.5	560.0	231.1	424.2	177.7	341.4
MEAN	2.44	3.18	5.66	9.39	25.8	12.8	15.2	18.1	7.70	13.7	5.73	11.4
MAX	15	17	18	37	150	29	60	80	80	95	31	53
MIN	.90	1.4	4.0	5.1	6.2	8.4	6.4	6.5	1.5	1.3	1.7	4.0
CFSM	.33	.42	.76	1.25	3.44	1.71	2.03	2.41	1.03	1.83	.76	1.52
IN.	.37	.47	.87	1.44	3.59	1.96	2.26	2.78	1.15	2.10	.88	1.69
CAL YR 1978	TOTAL	3126.88	MEAN	8.57	MAX	148	MIN	.53	CFSM	1.14	IN	15.51
WTR YR 1979	TOTAL	3947.31	MEAN	10.8	MAX	150	MIN	.90	CFSM	1.44	IN	19.58

SAVANNAH RIVER BASIN

02197000 SAVANNAH RIVER AT AUGUSTA, GA.

LOCATION.--Lat 33°22'25", long 81°56'35", Richmond County, Ga.-Aiken County, S.C., Hydrologic Unit 03060106, at New Savannah Bluff lock and dam, 0.2 mi (0.3 km) upstream from Butler Creek, 12.0 mi (19.3 km) downstream from Augusta, and at mile 187.4 (301.5 km).

DRAINAGE AREA.--7,508 mi² (19,446 km²), 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 (29.438 m) National Geodetic Vertical Datum of 1929 (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, nonrecording or recording gage at Fifth Street Bridge at datum 102.06 ft (31.11 m) NGVD (levels by Southeastern Engineering Co.). Oct. 1, 1932 to Sept. 30, 1936, recording gage at Thirteenth Street Bridge at datum 104.56 ft (31.87 m) NGVD (levels by Corps of Engineers) Oct. 1, 1936 to Nov. 10, 1948, recording gage at site 0.2 mi (0.3 km) downstream from present site and at present datum.

REMARKS.--Records good. Flow regulated by Lake Burton, Mathis Reservoir, Hartwell Lake, and Clark Hill Reservoir. (See "Lakes and Reservoirs in Savannah River Basin," stations 02178500, 02179500, 02187250, and 02194500). Records of chemical analyses for the water years 1968-72 are published in reports of the Geological Survey.

AVERAGE DISCHARGE.--72 years, 10,300 ft³/s (292 m³/s), 18.63 in/yr (473 mm/yr), unadjusted.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 350,000 ft³/s (9,910 m³/s) Oct. 3, 1929; maximum gage height, 46.3 ft (14.11 m) Sept. 27, 1929 (at site and datum then in use); minimum discharge, 648 ft³/s (18.4 m³/s) Sept. 24, 1939, from rating curve extended below 1,400 ft³/s (39.6 m³/s); minimum daily, 1,040 ft³/s (29.5 m³/s) Oct. 2, 1927.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum flood known occurred in 1796, discharge, 360,000 ft³/s (10,200 m³/s), gage height, 40 ft (12.2 m), marked by local residents, at site and datum of Fifth Street gage, by conveyance-slope study.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 37,300 ft³/s (1,060 m³/s) Feb. 27, gage height, 21.13 ft (6.440 m); minimum daily, 5,940 ft³/s (168 m³/s) Jan. 1.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6480	6570	6930	5940	6420	29700	11600	29400	25100	8050	8860	7060
2	6530	6410	6990	6190	6510	30400	12300	28100	22400	7540	10100	7270
3	6450	6520	6610	6850	6730	29000	16900	23500	16300	7520	10400	6640
4	6440	6500	6250	8020	6630	25900	18100	15700	14200	7180	10100	6710
5	6480	6370	6110	7340	6430	23900	23100	13300	15100	7490	9480	7130
6	6510	6220	6380	6550	7040	29900	21900	9430	15600	7620	8290	10200
7	6520	6170	6720	6370	8730	30300	15800	7200	15700	7630	8740	8590
8	6640	6480	6680	6450	7900	30400	12200	7200	15900	7140	9550	7040
9	6650	6630	6520	6580	9880	27600	13600	8020	16700	6660	9110	6640
10	6480	6760	6760	6550	9680	21600	26800	8930	14100	6520	9060	6240
11	6400	6530	6600	6670	7310	16000	25700	8550	11900	6610	8440	6610
12	6420	6430	6210	6830	6700	14500	24200	9600	14400	6710	7040	6600
13	6470	6260	6120	6820	6810	19100	22700	8620	15200	7060	6680	7860
14	6490	6220	6280	6620	6920	20200	29700	8450	15700	7200	6970	7200
15	6410	6270	6350	6460	6970	19500	32200	7880	15900	7060	7650	7010
16	6360	6460	6540	6430	6820	17300	30300	7920	14900	6750	7940	6660
17	6360	6710	6400	6380	6740	14400	30000	8210	11900	6520	7000	6150
18	6420	6600	6350	6340	6940	11100	30500	7720	9900	6780	7200	6210
19	6460	6400	6230	6210	7020	9990	30000	7370	13200	6910	6820	6560
20	6510	6250	6190	6400	6650	11900	30300	7610	15300	7570	6490	7380
21	6670	6180	6230	7200	6940	12300	29500	7200	14300	7720	7380	7520
22	6710	6300	6400	11700	7550	12400	26000	7480	14400	8130	6560	7360
23	6330	6340	6430	7920	10300	12500	23700	8620	13400	7720	6860	6980
24	6290	6600	6510	6380	22100	13400	28100	9930	11500	7870	6700	6260
25	6410	6460	6600	6570	27400	12300	29200	12500	9300	9540	7380	7350
26	6420	6490	6530	6610	28100	11400	31000	13400	13100	9620	7160	8170
27	6370	6410	6430	6760	32500	15200	32100	12500	13200	8960	6720	8660
28	6450	6380	6360	6640	29300	14900	30000	10500	12400	8750	6490	8820
29	6490	6460	6390	6600	---	14400	27800	13800	12000	8830	6370	8650
30	6360	6690	6420	6600	---	14300	26200	16000	10500	8450	6600	7980
31	6600	---	6510	6480	---	13700	---	21200	---	8400	6990	---
TOTAL	200580	193070	200020	211460	309020	579490	741500	365840	433500	236510	241130	219510
MEAN	6470	6436	6452	6821	11040	18690	24720	11800	14450	7629	7778	7317
MAX	6710	6760	6980	11700	32500	30400	32200	29400	25100	9620	10400	10200
MIN	6290	6170	6110	5940	6420	9990	11600	7200	9300	6520	6370	6150

CAL YR 1978 TOTAL 3407580 MEAN 9336 MAX 41300 MIN 6110 MEAN† 8641 CFSM† 1.15 IN† 15.62
WTR YR 1979 TOTAL 3931630 MEAN 10770 MAX 32500 MIN 5940 MEAN† 11420 CFSM† 1.52 IN† 20.66

† ADJUSTED FOR CHANGE IN CONTENTS IN LAKE BURTON, MATHIS RESERVOIR, HARTWELL LAKE, AND CLARK 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 current year.

PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: October 1973 to current year.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: Maximum, 26.0°C July 30, 1974; minimum, 4.5°C Jan. 30, 31, Feb. 2, 4, 1977, Feb. 19, 20, 1979.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURE: Maximum, 25.0°C Sept. 7-9; minimum, 4.5°C Feb. 19, 20.

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

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

02197000 SAVANNAH RIVER AT AUGUSTA, GA.--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

[illegible]

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 (2.3 km) downstream from Upper Three Runs Creek, 6.2 mi (10.0 km) south of Jackson, 15.2 mi (24.5 km) upstream from Steel Creek, and at mile 156.8 (252.3 km).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1971 to current year, discharge defined below 20,000 ft³/s (566 m³/s), only.

GAGE.--Water-stage recorder. Datum of gage is 77.0 ft (23.47 m) National Geodetic Vertical Datum of 1929.

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

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 20.22 ft (6.163 m) Mar. 3, 1975; minimum daily discharge, 5,770 ft³/s (163 m³/s) Jan. 2, 1979.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 19.12 ft (5.828 m) Apr. 28; minimum daily discharge, 5,770 ft³/s (163 m³/s) Jan. 2.

DISCHARGE. IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6390	6610	7600	6090	6220	---	15200	21000	19900	10700	9690	7550
2	6340	6450	7570	5770	6220	---	12900	---	21400	8910	10600	7720
3	6160	6430	7070	6290	6350	---	15500	---	21600	8630	11700	7580
4	6190	6500	6550	7270	6510	---	17600	---	20100	8070	11700	7200
5	6250	6430	6120	8230	6450	---	18900	20100	18800	8110	11200	8100
6	6300	6250	6210	6720	6420	19700	20200	17100	18200	8360	10000	10100
7	6240	6110	6620	6300	9000	21000	20600	11900	18200	8590	9300	11400
8	6200	6250	6720	6230	8660	21500	18900	8840	18100	8440	10000	8660
9	6120	6580	6560	6380	9810	21700	16300	8310	18300	7930	10400	7290
10	5990	6730	6470	6380	11100	21400	17900	9890	18300	7450	9970	6700
11	6010	6680	6500	6370	8980	20300	20400	9990	16600	7350	9900	6530
12	6150	6490	6320	6580	7370	20000	21700	10600	15800	7380	8700	6780
13	6220	6340	6010	6710	7060	19200	20300	10700	16600	7560	7480	7220
14	6270	6190	6010	6680	7110	19700	20300	10200	17100	7850	7260	8210
15	6200	6180	6090	6460	7220	20200	21000	9960	17500	7810	7630	7230
16	6170	6340	6210	6280	6960	20200	21800	9380	17800	7620	8570	7050
17	6090	6580	6250	6200	6790	19400	21800	9570	16900	7150	7890	6550
18	6150	6680	6130	6140	6910	17300	21800	8950	13800	7290	7670	6270
19	6180	6510	6030	6040	7190	13500	21700	8250	13500	7530	7580	6520
20	6180	6310	5950	5990	6980	13000	21700	8170	16000	7880	7140	7000
21	6290	6170	5940	6460	7010	13600	21700	8130	16700	8670	7030	7840
22	6500	6180	6030	9820	8140	13900	21600	7960	16800	9560	7470	7770
23	6250	6280	6180	11000	9900	14100	21100	9120	16800	9930	7260	7440
24	6010	6450	6330	7060	15700	15000	20600	9980	15600	9290	7210	6780
25	6030	6510	6650	6590	19900	15700	20800	12700	13100	10200	7630	6720
26	6100	6460	6680	6550	---	14000	21500	14600	12800	11100	7690	8420
27	6100	6640	6490	6570	---	14700	---	15200	15000	10900	7430	8940
28	6070	6620	6220	6590	---	16300	---	13200	15000	10000	7210	9350
29	6200	6710	6150	6380	---	16500	---	13900	14600	9850	6880	9710
30	6090	7160	6140	6380	---	16400	21400	15900	13600	9820	6940	9200
31	6140	---	6210	6350	---	16300	---	17700	---	9320	7270	---
TOTAL	191580	193820	198010	208860	---	---	---	---	504500	269250	264400	233830
MEAN	6180	6461	6387	6737	---	---	---	---	16820	8685	8529	7794
MAX	6500	7160	7600	11000	---	---	---	---	21600	11100	11700	11400
MIN	5990	6110	5940	5770	---	---	---	---	12800	7150	6880	6270

SAVANNAH RIVER BASIN

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

WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 1972 to June 1974.

PERIOD OF DAILY RECORD.--

WATER TEMPERATURES: October 1971 to current year.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURES: Maximum, 26.0°C Aug. 14, 1973, July 31, Aug. 27, 28, 1974, Aug. 19, 20, 1975, Aug. 8-11, 30, 31, Sept. 1, 1977; minimum, 4.5°C Jan. 19, 20, 22, 23, Feb. 1, 1977, Feb. 9, 1978.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURES: Maximum, 25.5°C Sept. 8; minimum, 5.0°C Feb. 20.

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

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

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

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

[illegible]

02197370 SAVANNAH RIVER BELOW STEEL CREEK, NEAR MILLET, 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 (4.5 km) downstream from Steel Creek, 12.6 mi (20.3 km) upstream from Lower Three Runs, 3.7 mi (6.0 km) west of Millet, and at mile 138.8 (223.3 km).

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

PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: October 1971 to current year.

EXTREMES FOR PERIOD OF RECORD.--

WATER TEMPERATURE: Maximum, 27.0°C Aug. 15, 1973, July 31, Aug. 1, 1974, Aug. 27, 1975, Aug. 11, 17, 30, 31, Sept. 1, 1977, minimum, 4.0°C Jan. 20, 1977.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURE: Maximum, 26.5°C Aug. 30, 31; minimum, 6.0°C Feb. 10, 11, 18-21.

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

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

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

[illegible]

SAVANNAH RIVER BASIN

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

LOCATION.--Lat 32°56'20", long 81°30'10", Screven County, Ga.-Allendale County, S.C., Hydrologic Unit 03060106, at bridge on U.S. Highway 301, 2 mi (3.2 km) downstream from Rocky Creek, 9 mi (14.5 km) east of Millhaven, and at mile 118.7 (191.0 km).
DRAINAGE AREA.--8,650 mi² (22,400 km²), approximately.

PERIOD OF RECORD.--February 1968 to May 1972, August 1974 to June 1979 (discontinued).

PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: January 1956 to September 1970.

REMARKS.--Flow regulated by Lake Burton, Mathis Reservoir, Hartwell and Clark Hill Lakes. (See "Lakes and Reservoirs in Savannah River Basin", stations 02178500, 02179500, 02187250, and 02194500.) Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Discharge, Air Temperature, Water Temperature, pH, and Dissolved Oxygen by U.S. Geological Survey. Water-discharge records for the water years 1940-70 are published in reports of the Geological Survey.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURES: Maximum, 30.0°C Aug. 25, 1959; minimum, 4.0°C Feb. 19, 20, 1958.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	PH (UNITS)	TEMPER- ATURE, AIR (DEG C)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
OCT						
02...	1645	6890	6.4	22.0	20.5	7.2
NOV						
13...	1700	6760	6.9	22.5	17.5	7.3
DEC						
12...	1445	6960	7.0	12.0	11.5	8.3
JAN						
11...	1045	8170	6.8	7.0	6.5	10.4
FEB						
08...	0315	10100	7.0	1.0	4.0	10.8
MAR						
07...	1450	31100	6.7	22.0	13.0	--
APR						
05...	0800	12800	7.0	13.0	13.0	8.6
MAY						
10...	0730	12400	6.8	23.5	21.0	7.1
JUN						
13...	1000	13000	7.4	27.0	22.5	7.2

DATE	SPF- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LINITY (MG/L AS CAC03)	NITRO- GEN, NO2+N03 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT										
02...	87	50	8	1.5	70	22	.52	.04	.10	--
NOV										
13...	84	40	9	.8	150	23	.37	.14	.09	4.0
DEC										
12...	78	30	5	.8	430	22	.50	.18	.08	2.0
JAN										
11...	62	15	5	1.0	230	17	.31	.22	.11	2.0
FEB										
08...	76	40	10	1.6	430	20	.30	.17	.10	2.0
MAR										
07...	49	50	14	.8	70	12	.17	<.02	.03	3.3
APR										
05...	55	70	27	.7	430	16	.28	.06	.08	2.0
MAY										
10...	80	80	35	2.2	90	28	.17	.25	.13	5.0
JUN										
13...	73	60	17	1.3	90	23	.13	.04	--	3.0

SAVANNAH RIVER BASIN

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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 (0.3 km) upstream from Sweetwater Creek, and 6.9 mi (11.1 km) south of Thomson.

DRAINAGE AREA.--55 mi² (142 km²), approximately.

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

GAGE.--Water-stage recorder. Altitude of gage is 300 ft (101 m), from topographic map.

REMARKS.--Records fair except those of no gage-height record, June 11 to July 19, which are poor. Low flows affected by diversions and return flow from the city of Thomson.

AVERAGE DISCHARGE.--12 years, 49.2 ft³/s (1.39 m³/s), 12.15 in/yr (309 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,810 ft³/s (136 m³/s) Mar. 3, 1971, gage height, 18.09 ft (5.514 m), from floodmark; minimum daily, 0.24 ft³/s (0.007 m³/s) Sept. 24, 1968.

EXTREMES OUTSIDE PERIOD OF RECORD.--A discharge of 0.007 ft³/s (0.0002 m³/s) was measured on Oct. 14, 1954.

EXTREMES FOR CURRENT YEAR.--Peak discharge above base of 1,000 ft³/s (28.3 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)	Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
Feb. 24	2000	*3270 92.6	15.55 4.740	Apr. 14	0600	1020 28.9	10.19 3.106

Minimum daily discharge, 0.60 ft³/s (0.017 m³/s) Oct. 7.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.9	1.4	3.5	3.0	22	115	47	42	54	1.3	4.5	3.0
2	1.5	1.8	2.1	18	20	99	44	35	23	1.4	3.7	4.7
3	1.8	1.4	1.9	20	20	87	43	31	16	1.3	3.2	3.0
4	1.1	1.4	2.0	11	25	87	332	29	14	1.3	2.7	4.5
5	1.0	2.0	4.1	8.7	23	107	361	26	10	1.5	2.4	41
6	.72	1.7	3.0	7.9	38	82	122	25	9.0	12	2.7	14
7	.60	2.4	2.2	7.9	335	68	86	23	14	14	2.1	6.8
8	.90	3.1	2.1	11	133	63	72	24	11	9.5	1.6	4.2
9	.90	2.2	2.7	9.9	75	57	467	26	11	5.5	1.4	3.2
10	.90	2.2	2.2	8.7	55	53	201	26	8.2	7.0	1.5	2.5
11	.96	2.1	2.1	7.9	48	121	115	29	7.1	7.0	1.1	2.2
12	.70	2.0	2.0	9.1	43	88	96	23	6.0	5.0	5.4	2.0
13	.90	1.8	2.4	17	39	65	170	20	4.6	3.5	2.1	2.7
14	3.2	2.2	2.7	15	36	66	710	24	3.5	2.2	1.3	2.7
15	1.6	2.2	2.4	12	34	74	176	17	2.8	2.0	1.1	1.9
16	1.0	1.9	2.8	10	32	55	111	14	2.2	1.9	1.1	1.7
17	1.1	2.0	2.1	9.1	30	50	84	12	1.9	8.0	1.0	2.4
18	1.1	2.6	2.1	8.9	36	49	69	11	1.8	45	.96	2.4
19	1.1	2.2	2.4	8.1	42	47	59	10	1.7	8.6	.82	3.5
20	1.1	2.1	2.4	12	59	45	53	12	1.6	78	.65	3.0
21	1.1	2.0	2.5	301	239	43	47	51	1.9	58	.70	3.0
22	1.1	2.1	2.9	69	330	41	42	38	20	260	1.3	4.0
23	1.3	2.3	2.5	40	695	123	38	20	14	38	7.4	3.0
24	1.3	2.2	6.7	90	1920	427	34	18	7.5	21	13	2.4
25	1.1	2.1	12	54	1270	127	54	23	4.0	16	6.0	9.2
26	1.3	2.3	6.4	38	712	85	234	15	3.0	14	3.5	11
27	1.4	3.1	4.2	32	198	70	155	13	2.2	12	2.7	23
28	1.4	5.1	3.4	29	141	62	81	11	1.9	8.9	2.7	20
29	2.0	4.3	3.1	25	---	56	56	12	1.6	7.9	2.6	20
30	1.3	9.1	2.8	24	---	52	49	14	1.4	5.7	2.5	27
31	.70	---	2.8	24	---	50	---	25	---	4.8	1.9	---
TOTAL	38.08	75.3	98.5	941.2	6650	2614	4208	699	260.9	662.3	85.63	234.0
MFAN	1.23	2.51	3.18	30.4	238	84.3	140	22.5	8.70	21.4	2.76	7.80
MAX	3.2	9.1	12	301	1920	427	710	51	54	260	13	41
MIN	.60	1.4	1.9	3.0	20	41	34	10	1.4	1.3	.65	1.7
CFSM	.02	.05	.06	.55	4.33	1.53	2.55	.41	.16	.39	.05	.14
IN.	.03	.05	.07	.64	4.50	1.77	2.85	.47	.18	.45	.06	.16
CAL YR 1978	TOTAL	15181.21	MEAN	41.6	MAX	1620	MIN	.51	CFSM	.76	IN	10.27
WTR YR 1979	TOTAL	16566.91	MEAN	45.4	MAX	1920	MIN	.60	CFSM	.83	IN	11.21

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 (8.0 km) southeast of Wrens, and 5.5 mi (8.8 km) upstream from Little Brushy Creek.

DRAINAGE AREA.--28.0 mi² (72.5 km²).

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

GAGE.--Water-stage recorder. Datum of gage is 282.56 ft (86.124 m) National Geodetic Vertical Datum of 1929 (levels by Georgia Department of Transportation).

REMARKS.--Records fair except those of no gage-height record, Sept. 12-30, which are poor.

AVERAGE DISCHARGE.--21 years, 27.8 ft³/s (0.787 m³/s), 13.48 in/yr (342 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 8.03 ft (2.448 m) Mar. 3, 1971 (discharge not determined); minimum discharge, 5.5 ft³/s (0.156 m³/s) Aug. 29, 30, 1968, Aug. 30, Sept. 19, 1978.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 276 ft³/s (7.82 m³/s) July 22, gage height, 5.43 ft (1.655 m). No peaks above base of 300 ft³/s (8.50 m³/s); minimum daily, 6.6 ft³/s (0.19 m³/s) Oct. 10.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.6	8.8	19	10	16	30	13	18	68	13	45	14
2	7.7	8.3	15	25	16	27	13	16	26	10	22	14
3	7.6	8.4	13	22	15	24	13	15	19	8.8	13	17
4	7.5	8.5	12	15	16	35	22	15	16	8.3	11	25
5	6.9	8.5	12	13	15	32	27	14	15	9.0	10	53
6	6.9	8.5	12	13	24	26	19	13	15	19	9.5	23
7	7.1	9.2	11	13	63	22	16	15	18	14	9.8	16
8	7.5	12	11	14	32	22	14	16	15	26	9.7	14
9	7.5	11	11	14	24	22	70	16	13	16	8.8	12
10	6.6	11	11	13	20	20	40	15	12	14	7.3	12
11	6.8	10	11	13	18	42	28	15	11	12	7.1	12
12	7.3	10	11	15	17	28	23	14	10	11	9.0	11
13	8.7	10	11	17	16	23	35	36	10	10	8.8	11
14	10	9.8	10	15	16	24	76	24	10	9.0	8.2	11
15	8.5	9.5	10	14	15	23	44	18	11	8.5	7.8	10
16	8.0	9.8	10	14	14	19	26	14	11	7.8	7.7	10
17	7.8	9.7	10	13	14	18	21	13	11	11	8.2	17
18	7.7	10	9.9	13	18	17	18	13	9.0	10	8.0	25
19	7.7	10	9.8	13	18	18	17	12	8.0	10	7.5	18
20	7.7	11	9.4	13	21	16	16	11	8.2	12	7.5	14
21	7.8	11	10	28	71	16	15	14	17	31	7.0	11
22	8.0	11	10	20	89	16	14	13	54	150	14	10
23	8.0	11	10	16	76	26	14	14	19	45	50	10
24	8.2	12	22	27	139	33	14	12	14	33	36	10
25	8.3	12	21	20	196	22	30	12	12	22	17	11
26	8.4	11	14	18	101	19	61	12	12	17	12	50
27	8.5	14	12	16	50	18	41	11	11	14	15	22
28	9.0	17	12	16	37	16	29	11	11	13	14	34
29	9.8	27	11	15	---	15	21	17	10	12	11	24
30	9.4	38	11	15	---	15	18	19	11	11	10	14
31	9.0	---	10	15	---	14	---	66	---	27	24	---
TOTAL	247.5	358.0	372.1	498	1167	698	808	524	487.2	614.4	435.9	535
MEAN	7.98	11.9	12.0	16.1	41.7	22.5	26.9	16.9	16.2	19.8	14.1	17.8
MAX	10	38	22	28	196	42	76	66	68	150	50	53
MIN	6.6	8.3	9.4	10	14	14	13	11	8.0	7.8	7.0	10
CFSM	.29	.43	.43	.58	1.49	.80	.96	.60	.58	.71	.50	.64
IN.	.33	.48	.49	.66	1.55	.93	1.07	.70	.65	.82	.58	.71
CAL YR 1978	TOTAL	7367.5	MEAN 20.2	MAX 368	MIN 5.5	CFSM .72	IN 9.79					
WTR YR 1979	TOTAL	6745.1	MEAN 18.5	MAX 196	MIN 6.6	CFSM .66	IN 8.96					

SAVANNAH RIVER BASIN

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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 (6.1 km) northeast of Waynesboro.
DRAINAGE AREA.--473 mi² (1,225 km²).

WATER-DISCHARGE RECORDS

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

GAGE.--Water-stage recorder. Datum of gage is 173.78 ft (52.968 m) National Geodetic Vertical Datum of 1929.

REMARKS.--Records good except those for periods of no gage-height record, Oct. 15 to Nov. 6 and Nov. 17 to Dec. 19, which are fair.

AVERAGE DISCHARGE.--10 years, 502 ft³/s (14.2 m³/s), 14.41 in/yr (366 mm/yr).EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 10,800 ft³/s (306 m³/s) Mar. 15, 1971, gage height, 12.28 ft (3.743 m); minimum, 95 ft³/s (2.69 m³/s) Oct. 7, 8, 1970, gage height, 2.28 ft (0.695 m).EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 1,900 ft³/s (53.8 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
Feb. 27	0900	*5230 148	9.90 3.018

Minimum daily discharge, 116 ft³/s (3.29 m³/s) Oct. 11.DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	123	147	360	256	378	2330	478	762	1300	158	188	233
2	127	148	370	274	346	1410	452	590	934	151	225	243
3	131	150	380	302	326	1000	435	462	800	150	286	265
4	133	150	390	306	356	833	431	390	533	144	261	317
5	136	152	380	352	347	750	446	345	430	136	201	565
6	134	155	350	394	359	694	458	326	360	137	169	550
7	129	162	300	388	536	664	494	309	335	161	153	528
8	124	171	270	367	562	648	797	302	329	204	147	536
9	119	171	250	316	593	627	1160	309	270	222	140	552
10	117	176	230	307	657	581	882	317	250	203	134	507
11	116	182	230	306	921	599	752	345	233	195	152	383
12	117	190	225	285	984	620	857	356	216	192	275	272
13	120	201	220	304	691	648	1300	361	202	188	166	228
14	127	167	220	317	539	628	1160	482	182	181	166	210
15	130	156	215	329	448	639	871	510	168	163	167	204
16	135	160	213	335	403	668	827	570	170	149	155	205
17	145	155	210	333	391	604	1250	563	172	136	148	209
18	155	150	210	312	398	560	1190	429	165	128	141	210
19	165	155	208	285	422	536	815	334	162	146	137	216
20	160	160	209	265	471	509	630	275	155	182	131	226
21	155	165	212	297	534	477	536	246	152	255	126	233
22	150	170	214	323	686	460	475	260	240	320	133	231
23	145	170	215	360	909	483	430	287	286	460	199	218
24	145	175	266	448	1720	592	399	320	309	815	160	212
25	140	180	333	575	2720	591	429	363	349	904	194	213
26	140	190	329	1020	3330	636	557	378	317	922	249	230
27	142	200	375	824	4950	631	576	323	249	652	243	264
28	143	250	380	631	3460	970	633	277	206	425	230	352
29	144	320	338	597	---	775	719	268	183	295	205	473
30	145	350	307	535	---	602	871	339	168	242	221	557
31	145	---	290	445	---	518	---	673	---	211	225	---
TOTAL	4237	5428	8699	12388	28437	22283	21310	12071	9825	8827	5727	9642
MEAN	137	181	281	400	1016	719	710	389	328	285	185	321
MAX	165	350	390	1020	4950	2330	1300	762	1300	922	286	565
MIN	116	147	208	256	326	460	399	246	152	128	126	204
CFSM	.29	.38	.59	.85	2.15	1.52	1.50	.82	.69	.60	.39	.68
IN.	.33	.43	.68	.97	2.24	1.75	1.68	.95	.77	.69	.45	.76

CAL YR 1978	TOTAL	148533	MEAN 407	MAX 4580	MIN 106	CFSM .86	IN 11.68
WTR YR 1979	TOTAL	148874	MEAN 408	MAX 4950	MIN 116	CFSM .86	IN 11.71

SAVANNAH RIVER BASIN

02197830 BRIER CREEK NEAR WAYNESBORO, GA.--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--February 1958 to June 1958, December 1977 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	TEMPER- ATURE (DEG C)	TUR- BID- ITY (NTU)	SEDI- MENT, SUS- PENDED (MG/L)	SEDI- MENT DIS- CHARGE, SUS- PENDED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
NOV 07...	1025	162	13.5	3.0	6	2.6	100
JAN 31...	1140	445	5.0	4.0	37	44	--
MAR 15...	0940	636	13.0	2.0	7	12	--
APR 25...	1110	405	18.0	3.0	9	9.8	--

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 (13.7 km) upstream from Beaver Dam Creek.

DRAINAGE AREA.--646 mi² (1,670 km²).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1936 to current year. Monthly discharges only for some periods, published in WSP 1303.

REVISED RECORDS.--WSP 1383: Drainage area. WSP 1503: 1956.

GAGE.--Water-stage recorder. Datum of gage is 95.88 ft (29.224 m) National Geodetic Vertical Datum of 1929. Prior to June 7, 1950, nonrecording gage at site 200 ft (61 m) downstream at same datum. June 7, 1950, to Apr. 30, 1951, nonrecording gage at present site and datum.

REMARKS.--Records good except those of no gage-height record, Apr. 26 to June 6 and Aug. 21 to Sept. 6, which are fair.

AVERAGE DISCHARGE.--43 years, 667 ft³/s (18.9 m³/s), 14.02 in/yr (356 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 25,400 ft³/s (719 m³/s) Aug. 16, 1940, gage height, 17.4 ft (5.304 m), from graph based on gage readings; minimum daily, 64 ft³/s (1.81 m³/s) Sept. 5-11, 1954.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known since at least 1797, 25.1 ft (7.650 m) in September or October 1929, from information by Georgia Department of Transportation, discharge, 64,000 ft³/s (1,810 m³/s), by slope-conveyance study.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 2,000 ft³/s (56.6 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
Mar. 1	0900	*4950 140	11.68 3.560

Minimum discharge, 129 ft³/s (3.65 m³/s) Oct. 12.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	153	172	480	430	721	4790	959	1300	1100	260	352	320
2	154	176	474	472	660	3780	798	1100	1600	264	289	330
3	152	180	488	504	576	2750	693	900	1300	219	256	350
4	153	179	503	462	521	2020	648	700	1100	193	250	550
5	154	175	512	448	494	1740	627	550	940	183	275	800
6	154	177	518	424	494	1420	598	500	800	177	291	930
7	153	189	514	423	697	1200	579	480	728	173	262	815
8	149	196	478	464	769	1080	568	470	592	206	218	780
9	144	201	413	498	744	1020	677	460	515	268	193	684
10	140	208	358	504	759	980	904	470	502	280	179	613
11	135	212	322	480	739	1000	1350	500	464	284	168	590
12	132	213	305	444	742	1010	1340	520	400	269	184	594
13	132	216	301	454	815	958	1110	550	354	265	234	581
14	137	221	301	475	1040	941	1250	600	320	248	324	507
15	143	231	298	459	1100	924	1610	660	294	231	319	402
16	153	220	292	448	911	934	1590	750	314	213	229	315
17	153	205	288	436	723	949	1260	850	360	202	213	295
18	165	204	283	437	622	922	1040	800	302	336	203	298
19	181	210	283	440	590	894	1110	600	279	463	189	299
20	187	217	281	433	588	825	1420	500	248	440	180	299
21	182	222	280	489	698	763	1190	480	232	403	170	300
22	178	222	281	471	992	730	939	450	228	421	165	316
23	170	222	280	439	1260	733	763	450	234	516	210	320
24	164	222	361	495	1670	808	645	470	273	587	260	317
25	163	223	472	529	2220	863	637	500	314	547	230	307
26	170	223	459	536	2850	900	980	540	350	659	260	306
27	169	225	457	563	3180	887	1000	560	383	934	350	322
28	167	235	446	628	3840	836	1100	480	388	1040	310	393
29	169	254	432	871	---	835	1150	450	343	960	300	481
30	173	412	444	967	---	911	1200	430	278	711	290	822
31	171	---	449	821	---	1100	---	600	---	481	280	---
TOTAL	4900	6462	12053	15944	31015	39503	29735	18670	15535	12433	7633	14236
MEAN	158	215	389	514	1108	1274	991	602	518	401	246	475
MAX	187	412	518	967	3840	4790	1610	1300	1600	1040	352	930
MIN	132	172	280	423	494	730	568	430	228	173	165	295
CFSM	.25	.33	.60	.80	1.72	1.97	1.53	.93	.80	.62	.38	.74
IN.	.28	.37	.69	.92	1.79	2.27	1.71	1.08	.89	.72	.44	.82

CAL YR 1978	TOTAL	198202	MEAN 543	MAX 4350	MIN 132	CFSM .84	IN 11.41
WTR YR 1979	TOTAL	208119	MEAN 570	MAX 4790	MIN 132	CFSM .88	IN 11.98

SAVANNAH RIVER BASIN

02198000 BRIER CREEK AT MILLHAVEN, GA.--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--January 1970 to June 1979 (discontinued).

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	PH (UNITS)	TEMPER- ATURE, AIR (DEG C)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
DEC 12...	1400	303	6.9	12.0	6.0	10.6
MAR 07...	1420	1180	6.5	19.0	12.5	--
JUN 12...	1625	389	7.4	30.5	23.0	6.8

DATE	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LINEITY (MG/L AS CAC03)	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 12...	76	40	3	.5	90	15	.06	.04	.04	5.0
MAR 07...	45	70	8	1.1	40	8	.02	<.02	.03	7.0
JUN 12...	77	80	8	.6	40	22	.20	.02	.07	6.0

SAVANNAH RIVER BASIN

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02198500 SAVANNAH RIVER NEAR CLYO, GA.
(National stream-quality accounting network station)
(Radiochemical program station)

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 m (4.8 km) north of Clio, and at mile 60.9 (98.0 km).

DRAINAGE AREA.--9,850 mi² (25,510 km²), 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 13.41 ft (4.087 m) National Geodetic Vertical Datum of 1929. Prior to Jan. 31, 1933, nonrecording gage at same site and at datum 4.00 ft (1.22 m) higher. Jan. 31, 1933 to June 12, 1945, nonrecording gage at same site and datum.

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

AVERAGE DISCHARGE.--46 years, 12,100 ft³/s (343 m³/s), 16.69 in/yr (424 mm/yr), unadjusted.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 270,000 ft³/s (7,650 m³/s) Oct. 6, 1929, gage height, 29.7 ft (9.05 m), present datum (from information by Corps of Engineers), from rating curve extended above 120,000 ft³/s (3,400 m³/s); minimum daily, 1,950 ft³/s (55.2 m³/s) Sept. 27, 1931.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 36,600 ft³/s (1,040 m³/s) Apr. 27, gage height, 16.34 ft (4.980 m); minimum daily, 6,540 ft³/s (185 m³/s) Oct. 12, 27.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6790	6600	7810	7230	8120	20100	16400	34400	14300	14800	10700	7750
2	6840	6690	8220	7490	8190	22100	16500	35200	14700	14600	10300	7970
3	6930	6950	8460	7620	8070	24400	16700	35600	15200	13700	10300	8160
4	6880	6930	8370	7710	7980	27800	16800	35100	15800	11600	10600	8650
5	6790	6870	7950	8060	8020	32200	16800	34000	16500	9910	11000	10100
6	6790	6830	7460	8730	8110	34900	16600	33000	17400	9050	11200	11400
7	6810	6760	7120	9030	8370	35800	16500	32200	18800	8710	11100	12500
8	6800	6630	7160	8410	9100	35700	16600	31400	20400	8790	10400	13100
9	6740	6570	7420	7890	10500	35000	16900	30400	21700	9010	9820	13400
10	6680	6690	7510	7700	11100	33800	17300	28000	22100	8990	9940	12600
11	6610	6910	7360	7700	11600	32900	17900	24200	21800	8600	10100	10800
12	6540	7050	7240	7710	12000	32400	18700	19900	21200	8190	10000	9320
13	6560	7010	7210	7780	11500	32600	19500	16700	20400	7990	9930	8740
14	6640	6890	7100	8000	10200	32900	20400	15300	19800	7920	9300	8570
15	6690	6750	6870	8180	9310	32600	20800	14500	19300	8020	8490	8900
16	6720	6650	6790	8160	8990	31400	21300	14300	19000	8150	8090	9150
17	6680	6640	6790	7960	8940	29400	22200	14300	18700	8090	8270	8770
18	6640	6760	6870	7730	8840	27400	23700	13800	18400	7900	8600	8360
19	6610	6940	6930	7570	8780	25800	25800	12800	18200	7840	8330	7870
20	6630	6990	6890	7460	8790	24700	28000	11700	18100	8420	8100	7590
21	6650	6880	6820	7470	8930	23900	30200	10700	17900	8720	7870	7700
22	6670	6720	6770	7630	9210	23100	31700	10100	17400	9060	7510	8150
23	6770	6620	6740	8370	10200	22100	32600	9900	16800	9620	7760	8590
24	6890	6620	7010	10300	11900	20700	33600	9940	16400	10200	8060	8660
25	6740	6700	7420	11100	13600	19300	34500	10500	16300	10500	8040	8400
26	6570	6810	7830	10000	15100	18100	36100	11100	16300	10400	8000	7940
27	6540	6830	8090	8940	16500	17300	36500	12000	16300	10800	8230	8070
28	6580	6900	8060	8540	18100	16900	35600	12700	15900	11300	8280	9060
29	6590	7020	7790	8380	---	16700	34400	13300	15400	11400	8180	9760
30	6580	7380	7470	8260	---	16500	34000	13700	15000	11100	7970	10700
31	6640	---	7290	8130	---	16400	---	14000	---	10900	7780	---
TOTAL	207590	204590	228820	255240	290050	814900	724600	614740	535500	304280	282250	280730
MEAN	6696	6820	7381	8234	10360	26290	24150	19830	17850	9815	9105	9358
MAX	6930	7380	8460	11100	18100	35800	36500	35600	22100	14800	11200	13400
MIN	6540	6570	6740	7230	7980	16400	16400	9900	14300	7840	7510	7590

CAL YR 1978 TOTAL 4006850 MEAN 10980 MAX 38400 MIN 5670 MEAN† 10280 CFSM† 1.04 IN† 14.17
WTR YR 1979 TOTAL 4743290 MEAN 13000 MAX 36500 MIN 6540 MEAN† 13660 CFSM† 1.39 IN† 18.82

† ADJUSTED FOR CHANGE IN CONTENTS IN LAKE BURTON, MATHIS RESERVOIR, HARTWELL LAKE, AND CLARK HILL RESERVOIR.

SAVANNAH RIVER BASIN

02198500 SAVANNAH RIVER NEAR CLYO, GA.--Continued

WATER-QUALITY RECORDS

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

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: January 1974 to July 1977.

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

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily, 110 micromhos June 14, 1977; minimum daily, 42 micromhos July 5, 1974.

WATER TEMPERATURES: Maximum daily, 27.0°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 1978 TO SEPTEMBER 1979

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE, AIR (DEG C)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
OCT							
02...	1530	6810	89	--	24.0	20.5	7.5
04...	1350	6870	89	7.0	--	22.5	7.6
NOV							
02...	1400	6700	87	7.0	--	21.0	7.8
13...	1530	7010	85	6.8	23.0	18.0	7.2
DEC							
06...	1400	7410	81	6.9	--	16.0	7.8
12...	1630	7230	81	6.9	10.0	11.0	7.9
JAN							
04...	1400	7700	78	6.8	--	9.0	9.8
11...	0930	7700	67	6.9	5.0	6.0	9.6
FEB							
07...	1430	8400	87	7.0	--	8.0	9.3
08...	0940	8930	84	7.0	10.0	4.5	10.6
MAR							
01...	1345	20100	49	6.5	--	13.0	8.8
07...	1620	35700	47	6.8	21.0	13.0	--
APR							
04...	1430	16800	70	6.6	--	18.0	7.5
04...	1450	16800	66	6.7	19.0	17.5	8.0
MAY							
02...	1400	35300	54	6.7	--	18.5	7.3
10...	0830	28400	70	6.4	25.0	20.0	7.2
JUN							
07...	0950	17900	61	6.5	--	23.0	6.0
13...	0700	20600	61	6.8	24.5	21.0	7.3
JUL							
18...	1000	7920	74	6.9	30.0	26.0	6.3
19...	1245	7770	75	6.8	--	27.5	6.7
AUG							
09...	1610	9770	70	6.8	32.0	27.5	7.4
23...	1230	7760	80	7.0	--	26.5	7.4
SEP							
06...	1200	11400	77	6.8	--	24.5	6.8
12...	1605	9020	82	6.9	29.0	26.0	5.6

02198500 SAVANNAH RIVER NEAR CLYO, GA.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	COLOR (PLAT- INUM COBALT UNITS)	TUR- BID- ITY (JTU)	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./ 100 ML)	HARD- NESS (MG/L AS CAC03)	HARD- NESS, NONCAR- BONATE (MG/L CAC03)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)
OCT												
02...	30	9	--	.8	<30	--	--	--	--	--	--	--
04...	--	--	7.0	--	--	K18	K28	18	0	5.1	1.3	10
NOV												
02...	--	--	6.0	--	--	K22	75	19	0	5.2	1.4	10
13...	40	11	--	.8	55	--	--	--	--	--	--	--
DEC												
06...	--	--	8.0	--	--	110	160	19	3	5.2	1.4	9.0
12...	30	5	--	.5	<30	--	--	--	--	--	--	--
JAN												
04...	--	--	7.0	--	--	65	100	18	0	5.3	1.2	8.4
11...	20	7	--	.1	40	--	--	--	--	--	--	--
FEB												
07...	--	--	5.0	--	--	--	K30	18	0	5.3	1.2	9.9
08...	35	10	--	1.5	40	--	--	--	--	--	--	--
MAR												
01...	--	--	40	--	--	88	92	14	5	3.9	1.0	4.2
07...	80	19	--	1.3	<30	--	--	--	--	--	--	--
APR												
04...	--	--	20	--	--	70	92	17	1	4.6	1.3	6.4
04...	40	15	--	1.7	40	--	--	--	--	--	--	--
MAY												
02...	--	--	15	--	--	37	100	13	0	3.2	1.1	4.5
10...	90	15	--	.3	230	--	--	--	--	--	--	--
JUN												
07...	--	--	20	--	--	140	320	17	0	4.8	1.2	5.1
13...	60	16	--	1.0	90	--	--	--	--	--	--	--
JUL												
18...	--	10	--	--	--	--	--	--	--	--	--	--
19...	--	--	15	--	--	K29	220	16	0	4.6	1.2	8.7
AUG												
09...	--	15	--	.6	90	--	--	--	--	--	--	--
23...	--	--	9.0	--	--	110	72	16	0	4.9	.9	6.3
SEP												
06...	--	--	15	--	--	100	180	19	2	5.6	1.1	8.0
12...	--	16	--	.4	40	--	--	--	--	--	--	--
DATE	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LINITY (MG/L AS CAC03)	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, 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)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, KJEL- DAHL, TOTAL (MG/L AS N)
OCT												
02...	--	22	--	--	--	--	--	10	.65	<.02	--	--
04...	1.1	21	7.1	7.0	.1	9.9	62	--	.44	.02	.21	.23
NOV												
02...	1.4	26	6.2	7.0	.1	9.5	56	--	.28	.02	.14	.16
13...	--	24	--	--	--	--	--	7	.40	.09	--	--
DEC												
06...	1.6	16	7.3	6.4	.0	10	65	--	.56	.06	.31	.37
12...	--	22	--	--	--	--	--	12	.46	.10	--	--
JAN												
04...	1.2	24	6.0	5.3	.1	9.6	62	--	.42	.07	.24	.31
11...	--	19	--	--	--	--	--	10	.40	.08	--	--
FEB												
07...	1.3	20	7.0	7.8	.0	9.0	68	--	.33	.10	.28	.38
08...	--	22	--	--	--	--	--	14	.33	.15	--	--
MAR												
01...	1.4	9	5.8	4.0	.1	7.7	53	--	.13	.02	.52	.54
07...	--	11	--	--	--	--	--	6	.06	<.02	--	--
APR												
04...	1.1	16	4.5	5.2	.0	6.7	50	--	.24	.01	.52	.53
04...	--	19	--	5.0	--	--	--	5	.20	.02	--	--
MAY												
02...	1.3	18	3.1	3.5	.1	9.0	44	--	.19	.02	.47	.49
10...	--	18	--	--	--	--	--	6	.40	.34	--	--
JUN												
07...	1.4	21	4.2	4.4	.1	9.7	56	--	.34	.05	.41	.46
13...	--	17	--	--	--	--	--	13	.34	.03	--	--
JUL												
18...	--	18	--	--	--	--	--	--	.56	.04	--	--
19...	1.0	16	5.0	6.1	.1	8.3	510	--	.51	.01	.46	.47
AUG												
09...	--	17	--	--	--	--	--	--	.45	.03	--	--
23...	1.2	17	4.6	6.3	.1	8.2	56	--	.46	.01	.14	.15
SEP												
06...	1.2	17	6.2	5.4	.1	8.8	62	--	.37	.05	.83	.88
12...	--	23	--	--	--	--	--	--	.46	.04	--	--

02198500 SAVANNAH RIVER NEAR CLYO, GA.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	NITRO- GEN, NH ₄ + ORG. SUSP. 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)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C)	PHYTO- PLANK- TON, TOTAL (CELLS PER ML)	TRITIUM IN WATER MOLE- CULES (TU)	TRITIUM WATER MOLE- CULES COUNT ERROR (TU)	SEDI- MENT, SUS- PENDED (MG/L)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT												
02...	--	--	--	.120	--	--	--	--	1070	20.0	--	--
04...	.07	.16	.67	.090	.080	2.0	--	--	--	--	8	100
NOV												
02...	.03	.13	.44	.110	.090	3.0	--	58	--	--	3	100
13...	--	--	--	.090	--	3.0	--	--	943	18.0	--	--
DEC												
06...	.00	.42	.93	.070	.050	--	8.5	--	--	--	10	100
12...	--	--	--	.090	--	3.0	--	--	1000	20.0	--	--
JAN												
04...	.00	.35	.73	.080	.050	4.4	--	--	--	--	8	100
11...	--	--	--	.110	--	1.7	--	--	1380	20.0	--	--
FEB												
07...	.04	.34	.71	.090	.050	4.3	--	--	--	--	17	100
08...	--	--	--	.080	--	2.0	--	--	1310	20.0	--	--
MAR												
01...	.18	.36	.67	.090	.070	--	13	620	--	--	--	--
07...	--	--	--	.030	--	5.0	--	--	506	12.0	--	--
APR												
04...	.24	.29	.77	.060	.030	6.0	--	--	--	--	12	100
04...	--	--	--	.050	--	3.0	--	--	--	--	--	--
MAY												
02...	.06	.43	.68	.050	.030	5.4	--	870	--	--	8	100
10...	--	--	--	--	--	<5.0	--	--	375	9.0	--	--
JUN												
07...	.04	.42	.80	.080	.050	--	5.7	39	--	--	26	100
13...	--	--	--	.070	--	5.0	--	--	534	11.0	--	--
JUL												
18...	--	--	--	.080	--	3.0	--	--	533	10.0	--	--
19...	.30	.17	.98	.080	.050	2.5	--	310	--	--	22	100
AUG												
09...	--	--	--	.070	--	2.0	--	--	454	9.0	--	--
23...	.00	.32	.61	.060	.040	3.8	--	1900	--	--	12	100
SEP												
06...	.13	.75	1.3	.060	.030	--	5.4	600	--	--	13	100
12...	--	--	--	.100	--	6.0	--	--	1100	20.0	--	--

DATE	ARSENIC TOTAL (UG/L AS AS)	ARSENIC DIS- SOLVED (UG/L AS AS)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	COBALT, TOTAL RECOV- ERABLE (UG/L AS CO)	COBALT, DIS- SOLVED (UG/L AS CO)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, DIS- SOLVED (UG/L AS FE)
DEC												
06...	1	0	1	0	<10	2	4	0	3	25	560	130
MAR												
01...	1	1	2	2	10	0	1	0	3	3	2400	360
JUN												
07...	0	0	0	1	20	<10	0	0	4	3	1200	440
SEP												
06...	1	0	2	0	40	30	0	0	4	50	870	290

DATE	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	LEAD, DIS- SOLVED (UG/L AS PB)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	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, TOTAL (UG/L AS SE)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	SILVER, TOTAL RECOV- ERABLE (UG/L AS AG)	SILVER, DIS- SOLVED (UG/L AS AG)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	ZINC, DIS- SOLVED (UG/L AS ZN)
DEC												
06...	22	26	40	20	<.5	<.5	0	0	0	0	30	90
MAR												
01...	21	22	50	30	<.5	<.5	0	0	0	0	30	0
JUN												
07...	4	3	60	30	<.5	<.5	0	0	0	0	20	20
SEP												
06...	1	1	60	10	<.5	<.5	0	0	1	0	10	200

02198500 SAVANNAH RIVER NEAR CLYO, GA.--Continued

	GROSS ALPHA, DIS- SOLVED (UG/L AS U-NAT)	GROSS ALPHA, DIS- SOLVED (PCI/L AS U-NAT)	GROSS ALPHA, SUSP. TOTAL (UG/L AS U-NAT)	GROSS ALPHA, SUSP. TOTAL (PCI/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, PADON METHOD (PCI/L)	URANIUM DIS- SOLVED, EXTRAC- TION (UG/L)
MAR 01...	<.6	<.4	1.5	1.0	2.5	1.0	2.3	1.1	.28	.07
JUL 19...	<.6	<.4	1.4	1.0	1.7	1.0	1.7	1.0	.56	.04

[illegible][illegible][illegible][illegible]

SAVANNAH RIVER BASIN

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 (8.8 km) downstream from bridge on U.S. Highway 76, 10 mi (16 km) southwest of Clayton, Ga. DRAINAGE AREA, 115 mi² (298 km²). PERIOD OF RECORD, October 1929 to current year. Datum of gage is at mean sea level (levels by Georgia Power Co.). Lake is formed by concrete gravity dam. Spillway, crest elevation, 1,860.0 ft (566.93 m) is equipped with eight gates 22 ft (6.71 m) wide by 6.6 ft (2.01 m) high. Dam completed in 1919. Total capacity at elevation 1,866.6 ft (568.94 m), top of gates, is 108,000 acre-ft (133 hm³), of which 106,000 acre-ft (131 hm³) 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 1978 TO SEPTEMBER 1979

Date	Elevation (feet) †	Contents (acre-feet)	Change in contents	
			(acre-feet)	(equivalent in cubic feet per second)
Sept. 30.....	1862.8	97300	-	-
Oct. 31.....	1862.1	95500	-1800	-29
Nov. 30.....	1856.9	82400	-13100	-220
Dec. 31.....	1853.9	75400	-7000	-114
CAL YR 1978	-	-	-8200	-11
Jan. 31.....	1854.8	77400	+2000	+33
Feb. 28.....	1858.9	87200	+9800	+176
Mar. 31.....	1860.3	90800	+3600	+59
Apr. 30.....	1863.9	100000	+9200	+155
May 31.....	1865.8	106000	+6000	+98
June 30.....	1865.5	105000	-1000	-17
July 31.....	1865.2	104000	-1000	-16
Aug. 31.....	1863.3	98600	-5400	-88
Sept. 30.....	1864.6	102000	+3400	+57
WTR YR 1979	-	-	+4700	+6

† 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 (1.6 km) upstream from bridge on U.S. Highway 23, 1.8 mi (2.9 km) south of Lakemont, Ga. DRAINAGE AREA, 151 mi² (391 km²). PERIOD OF RECORD, October 1929 to current year. Datum of gage is at mean sea level (levels by Georgia Power Co.). Reservoir is formed by concrete slab and buttress dam. Spillway, crest elevation, 1,682.75 ft (512.90 m) is equipped with 16 gates 15.8 ft (4.82 m) wide by 6.85 ft (2.09 m) high. Dam completed in 1915. Total capacity at elevation 1,689.6 ft (514.99 m), top of gates, is 31,200 acre-ft (38.5 hm³), of which 23,000 acre-ft (28.4 hm³) 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 1978 TO SEPTEMBER 1979

Date	Elevation (feet) †	Contents (acre-feet)	Change in contents	
			(acre-feet)	(equivalent in cubic feet per second)
Sept. 30.....	1687.8	29800	-	-
Oct. 31.....	1687.9	29800	0	0
Nov. 30.....	1686.3	28600	-1200	-20
Dec. 31.....	1687.3	29400	+800	+13
CAL YR 1978	-	-	-8700	-12
Jan. 31.....	1686.9	29100	-300	-5
Feb. 28.....	1685.8	28200	-900	-16
Mar. 31.....	1684.9	27600	-600	-10
Apr. 30.....	1683.6	26700	-900	-15
May 31.....	1687.3	29400	+2700	+44
June 30.....	1687.3	29400	0	0
July 31.....	1688.9	30600	+1200	+20
Aug. 31.....	1687.7	29700	-900	-15
Sept. 30.....	1687.3	29400	-300	-5
WTR YR 1979	-	-	-400	-1

† 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, 0.9 mi (1.4 km) upstream from Big Generostee Creek, 6.4 mi (10.3 km) east of Hartwell, Ga., and at mile 305.0 (490.7 km). DRAINAGE AREA, 2,088 mi² (5,408 km²). PERIOD OF RECORD, October 1959 to current year. GAGE, water-stage recorder. Datum of gage is at mean sea level (levels by 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 (2,110 hm³) between elevations 625.0 ft (190.50 m), normal limit of drawdown, and 665.0 ft (202.69 m), top of gates. Dead storage below 625.0 ft (190.50 m), 1,134,100 acre-ft (1,400 hm³). Elevation of spillway crest, 630.0 ft (192.02 m). Water is used for flood control, generation of power, and navigation. Capacity table furnished by Corps of Engineers.

EXTREMES FOR PERIOD OF RECORD: Maximum contents, 2,871,000 acre-ft (3,540 hm³) Apr. 8, 1964, elevation, 665.47 ft (202.835 m); minimum, after first filling, 1,182,000 acre-ft (1,460 hm³) Oct. 16, 1961, elevation, 626.70 ft (191.018 m).

EXTREMES FOR CURRENT YEAR: Maximum contents, 2,766,400 acre-ft (3,410 hm³) Apr. 18, elevation, 663.74 ft (202.308 m); minimum, 2,213,900 acre-ft (2,730 hm³) Dec. 29, elevation, 653.64 ft (199.230 m).

MONTHEND ELEVATION AND CONTENTS AT 2400, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

Date	Elevation (feet)	Contents (acre-feet)	Change in contents	
			(acre-feet)	(equivalent in cubic feet per second)
Sept. 30.....	655.83	2325100	-	-
Oct. 31.....	655.48	2307100	-18000	-293
Nov. 30.....	654.17	2241400	-65700	-1104
Dec. 31.....	653.80	2221900	-19500	-317
CAL YR 1978	-	-	-156000	-216
Jan. 31.....	658.44	2463700	+241800	+3932
Feb. 28.....	661.82	2653200	+189500	+3412
Mar. 31.....	662.06	2667100	+13900	+226
Apr. 30.....	662.52	2694100	+27000	+454
May 31.....	662.97	2720400	+26300	+428
June 30.....	660.02	2550700	-169700	-2852
July 31.....	661.38	2628000	+77300	+1257
Aug. 31.....	659.68	2531900	-96000	-1561
Sept. 30.....	660.09	2554700	+22800	+383
WTR YR 1979	-	-	+229600	+317

02194500 CLARK HILL RESERVOIR.--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 (2.6 km) west of Clarks Hill, 3.7 mi (6.0 km) upstream from Kioksee Creek, and at mile 237.7 (382.5 km). DRAINAGE AREA, 6,150 mi² (15,900 km²), approximately.

PERIOD OF RECORD, October 1951 to current year. REVISED RECORDS, WSP 1703: 1953. GAGE, water-stage recorder. Datum of gage is at mean sea level (levels by Corps of Engineers). Prior to Oct. 1, 1952, nonrecording gage at same site and datum.

Lake is formed by concrete dam with earth dam at each end; storage began in December 1951, dam completed in 1952. Usable capacity, 1,730,000 acre-ft (2,130 hm³) between elevations 305.0 ft (92.96 m), normal limit of drawdown, and 335.0 ft (102.11 m), top of spillway gates. Dead storage below 305.0 ft (92.96 m), 1,170,000 acre-ft (1,440 hm³). Elevation of spillway crest, 300.0 ft (91.44 m). Water is used for flood control, generation of power, and navigation. Capacity table furnished by Corps of Engineers.

EXTREMES FOR PERIOD OF RECORD: Maximum contents, 3,037,600 acre-ft (3,750 hm³) Apr. 9, 1964, elevation, 336.72 ft (102.632 m); minimum, 897,900 acre-ft (1,110 hm³) Feb. 1, 1956, elevation, 296.48 ft (90.367 m).

EXTREMES FOR CURRENT YEAR: Maximum contents, 2,847,000 acre-ft (3,510 hm³) Apr. 15, elevation, 334.32 ft (101.901 m); minimum, 1,923,600 acre-ft (2,370 hm³) Dec. 26, elevation, 321.06 ft (97.859 m).

MONTHEND ELEVATION AND CONTENTS AT 2400, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

Date	Elevation (feet)	Contents (acre-feet)	Change in contents	
			(acre-feet)	(equivalent in cubic feet per second)
Sept. 30.....	326.57	2269900	-	-
Oct. 31.....	323.62	2077200	-192700	-3134
Nov. 30.....	322.00	1980000	-97200	-1634
Dec. 31.....	321.35	1941000	-39000	-634
CAL YR 1978	-	-	-330300	-456
Jan. 31.....	323.83	2089800	+148800	+2420
Feb. 28.....	332.99	2743200	+653400	+11764
Mar. 31.....	330.39	2540400	-202800	-3298
Apr. 30.....	329.85	2499500	-40900	-687
May 31.....	331.42	2620800	+121300	+1973
June 30.....	330.19	2524800	-96000	-1613
July 31.....	330.68	2563000	+38000	+618
Aug. 31.....	330.21	2526400	-36600	-595
Sept. 30.....	330.01	2510800	-15600	-262
WTR YR 1979	-	-	+240900	+333

OGEECHEE RIVER BASIN

02202000 OGEECHEE RIVER AT SCARBORO, GA.

LOCATION.--Lat 32°42'38", long 81°52'46", Jenkins County, Hydrologic Unit 03060202, at abandoned highway bridge at Scarboro, 3.5 mi (5.6 km) downstream from Sculls Creek, 6.5 mi (10.5 km) upstream from Horse Creek, and 7.5 mi (12.1 km) southeast of Millen.

DRAINAGE AREA.--1,940 mi² (5,020 km²), approximately.

PERIOD OF RECORD.--January 1970 to June 1979 (discontinued).

REMARKS.--Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Discharge, Air Temperature, Water Temperature, pH, and Dissolved Oxygen by U.S. Geological Survey. Water-discharge records for the water years 1937-71 are published in reports of the Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	PH (UNITS)	TEMPER- ATURE, AIR (DEG C)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
DEC 12...	1250	580	6.6	11.0	7.0	10.0
MAR 07...	1320	5700	6.5	17.0	13.0	--
JUN 12...	1345	1220	7.1	29.0	23.0	5.8

DATE	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LINITY (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 12...	76	50	3	1.0	140	20	.08	.06	.04	7.0
MAR 07...	43	80	16	1.0	90	9	.02	<.02	.05	8.0
JUN 12...	75	100	9	.7	90	27	.19	.19	.06	8.0

OGEECHEE RIVER BASIN

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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 (0.5 km) upstream from Ogeechee Creek, and 2.0 mi (3.2 km) southwest of Oliver.

DRAINAGE AREA.--2,230 mi² (5,780 km²), 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, Air Temperature, Water Temperature, pH, and Dissolved Oxygen by U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	PH (UNITS)	TEMPER- ATURE, AIR (DEG C)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)						
OCT												
02...	1410	218	7.4	26.0	20.0	7.9						
NOV												
13...	1400	264	7.4	23.0	15.0	8.3						
DEC												
12...	1725	693	6.8	9.0	8.5	8.7						
JAN												
11...	1200	1170	6.5	12.0	3.0	11.8						
FEB												
08...	1040	2680	6.1	11.0	3.0	11.9						
MAR												
08...	0730	9320	6.6	11.0	13.0	--						
APR												
05...	0615	2830	6.9	15.0	19.0	5.9						
MAY												
10...	0615	2680	7.0	21.0	21.0	6.4						
JUN												
13...	0900	1920	7.1	26.0	22.0	7.4						
JUL												
18...	1045	976	6.8	28.0	26.0	5.5						
AUG												
09...	1700	1260	6.9	32.0	28.0	5.6						
SEP												
12...	1700	1680	7.0	29.0	25.0	5.0						

DATE	SPF- CIFIC CON- DUCT- ANCE (MICRO- MHO/C)	COLOR (PLAT- INUM- CORALT UNITS)	TUR- BID- ITY (JTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LINITY (MG/L AS CAC03)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDE (MG/L)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT												
02...	107	30	6	.7	40	39	<1	.27	<.02	--	.04	--
NOV												
13...	95	40	7	.5	40	34	<1	.04	.03	--	.04	5.0
DEC												
12...	82	60	3	.3	30	13	<1	.06	.04	--	.04	8.0
JAN												
11...	71	60	4	.8	40	13	2	.05	<.02	--	.05	6.7
FEB												
08...	56	60	8	.7	70	7	8	.04	.02	--	.02	6.0
MAR												
08...	38	100	16	1.3	90	7	<1	.02	<.02	--	.05	10
APR												
05...	62	90	8	.8	135	21	<1	.04	<.02	--	.04	12
MAY												
10...	54	100	5	.6	200	23	3	.11	.03	--	.07	9.0
JUN												
13...	71	100	9	.8	150	26	4	.14	.12	--	.06	6.0
JUL												
18...	76	60	7	--	--	21	5	.11	<.02	.48	.05	9.0
AUG												
09...	75	100	9	.9	61	27	<1	.11	.03	.38	.07	7.0
SEP												
12...	69	100	6	.8	--	22	2	.02	<.02	.48	.05	11

OGEECHEE RIVER BASIN

02202500 OGEECHEE RIVER NEAR EDEN, GA.
(National stream-quality accounting network station)

LOCATION.--Lat 32°11'29", long 81°24'58", Effingham-Bryan County line, Hydrologic Unit 03060202, on right bank 600 ft (183 m) downstream from bridge on U.S. Highways 25, 80, and 280, 2 mi (3.2 km) west of Eden, 2 mi (3.2 km) upstream from Seaboard Coast Line Railroad bridge, and 3 mi (4.8 km) upstream from Black Creek.
DRAINAGE AREA.--2,650 mi² (6,860 km²), approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--April 1937 to current year.

GAGE.--Water-stage recorder. Datum of gage is 19.64 ft (5.986 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to Oct. 1, 1939, nonrecording gage at site 600 ft (183 m) upstream at same datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--42 years, 2,384 ft³/s (67.5 m³/s), 12.22 in/yr (310 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 26,300 ft³/s (745 m³/s) Mar. 31, 1944, gage height, 14.7 ft (4.48 m); minimum observed, 131 ft³/s (3.71 m³/s) Sept. 12-14, 1954.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known since at least 1840, 20 ft (6.10 m) in October 1929, from data furnished by Central of Georgia Railway Co.

Flood of January 1925, reached a stage of 19.5 ft (5.94 m), from information as explained above.

Flood of April 1936, reached a stage of 15.2 ft (4.63 m), from information as explained above, discharge, 30,000 ft³/s (850 m³/s).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 18,000 ft³/s (510 m³/s) Mar. 6, gage height, 12.59 ft (3.837 m); minimum, 228 ft³/s (6.46 m³/s) Oct. 12, 13.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	243	268	487	814	1860	11000	3090	3750	1430	884	1830	701
2	246	267	569	873	1850	13300	3080	3550	1330	879	2050	734
3	246	267	612	1030	1840	14600	3050	3400	1250	844	2280	768
4	243	267	624	1150	1850	15500	3000	3210	1180	771	2330	949
5	241	267	623	1250	1890	17100	2940	3040	1150	682	2170	1610
6	242	268	612	1330	1980	17800	2850	2920	1220	625	1900	1930
7	238	270	615	1380	2210	16600	2830	2760	1530	610	1650	2440
8	237	273	630	1410	2430	14100	2870	2720	2610	601	1470	2910
9	235	278	645	1390	2650	11800	2930	2790	4160	568	1340	2990
10	234	282	661	1370	2820	9930	2930	2830	4500	591	1250	2630
11	231	286	677	1350	2900	8660	2930	2950	3870	675	1190	2310
12	229	288	692	1330	2900	7640	2880	3190	3120	749	1090	2050
13	233	293	702	1310	2910	6820	2730	3290	2560	797	884	1950
14	237	301	696	1310	2950	6280	2600	3450	2130	825	645	1850
15	236	309	671	1320	2940	5870	2460	3330	1840	852	540	1760
16	238	322	636	1350	2850	5500	2380	3160	1690	870	491	1690
17	238	331	609	1390	2700	5160	2430	3100	1620	889	459	1620
18	233	337	590	1400	2570	4900	2660	3260	1540	931	445	1530
19	234	339	571	1380	2500	4680	3080	3490	1370	986	453	1400
20	247	336	556	1350	2460	4500	3550	3560	1180	1020	461	1270
21	267	336	544	1340	2480	4360	3860	3390	1010	984	458	1120
22	283	336	532	1350	2590	4230	3930	3110	899	922	440	1010
23	289	337	522	1380	2850	4060	3900	2860	806	980	435	923
24	288	340	582	1470	3210	3860	3780	2620	731	1090	443	883
25	282	342	685	1550	3840	3650	3730	2370	690	1210	458	855
26	276	342	760	1640	4600	3500	3890	2110	667	1380	470	846
27	272	343	857	1720	5730	3340	3800	1940	664	1440	443	849
28	270	349	921	1790	8010	3200	3940	1820	707	1460	426	917
29	273	356	935	1840	---	3100	4090	1710	784	1500	504	1040
30	273	403	897	1860	---	3070	4010	1610	850	1570	587	1400
31	270	---	844	1880	---	3080	---	1530	---	1670	649	---
TOTAL	7804	9333	20557	43307	82370	241190	96200	88820	49088	29855	30241	44935
MEAN	252	311	663	1397	2942	7780	3207	2865	1636	963	976	1498
MAX	289	403	935	1880	8010	17800	4090	3750	4500	1670	2330	2990
MIN	229	267	487	814	1840	3070	2380	1530	664	568	426	701
CFSM	.10	.12	.25	.53	1.11	2.94	1.21	1.08	.62	.36	.37	.57
IN.	.11	.13	.29	.61	1.16	3.39	1.35	1.25	.69	.42	.42	.63

CAL YR 1978 TOTAL 718306 MEAN 1968 MAX 17000 MIN 229 CFSM .74 IN 10.08
WTR YR 1979 TOTAL 743700 MEAN 2038 MAX 17800 MIN 229 CFSM .77 IN 10.44

OGEECHEE RIVER BASIN

02202500 OGEECHEE RIVER NEAR EDEN, GA.--Continued

WATER-QUALITY RECORDS

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

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: October 1975 to current year.

WATER TEMPERATURES: October 1972 to current year.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 183 micromhos Sept. 13, 1978; minimum, 28 micromhos Mar. 29, 30, 1976.

WATER TEMPERATURES: Maximum, 32.0°C July 9-11, 13, 15, 21, 22, 1977; minimum, 1.5°C Jan. 19-21, 1977.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 155 micromhos Oct. 2; minimum, 40 micromhos Mar. 9.

WATER TEMPERATURES: Maximum, 29.5°C Aug. 22; minimum, 5.0°C Feb. 2.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)					
OCT											
02...	1200	245	138	7.3	22.5	8.9					
NOV											
14...	1445	300	120	--	20.0	--					
DEC											
05...	1340	622	93	7.4	16.5	8.6					
JAN											
16...	1340	1350	72	6.8	7.5	11.0					
FEB											
13...	1355	2900	61	5.6	7.0	10.9					
MAR											
06...	1445	17800	44	5.7	14.0	7.8					
APR											
10...	1330	2930	67	6.1	18.0	6.4					
MAY											
21...	1245	3380	60	6.0	21.0	6.2					
AUG											
07...	1400	1640	73	6.5	27.0	5.1					
28...	1230	417	102	7.1	28.0	6.6					
DATE	TUR- BID- ITY (NTU)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCUCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD- NESS (MG/L AS CAC03)	HARD- NESS, NONCAR- BONATE (MG/L CAC03)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LITY (MG/L AS CAC03)	SULFATE DIS- SOLVED (MG/L AS SO4)
OCT											
02...	2.0	22	K10	32	0	11	1.2	15	1.2	46	13
NOV											
14...	1.0	27	55	29	0	10	1.0	12	1.3	40	7.5
DEC											
05...	3.0	57	87	27	5	8.3	1.5	7.6	1.5	22	8.8
JAN											
16...	4.0	56	35	22	11	6.5	1.3	5.8	1.0	11	11
FEB											
13...	5.0	73	63	15	8	4.5	1.0	4.5	1.0	7	8.9
MAR											
06...	20	60	110	11	6	3.6	.6	2.6	1.2	5	5.8
APR											
10...	6.0	60	83	21	5	6.7	1.1	4.2	1.5	16	2.7
MAY											
21...	4.0	69	120	20	3	6.3	1.1	3.8	1.1	17	3.6
AUG											
07...	5.0	30	60	27	3	8.9	1.1	4.7	1.2	24	3.6
28...	3.0	25	21	29	0	9.7	1.1	8.9	1.2	35	7.4

OGEECHEE RIVER BASIN

02202500 OGEECHEE RIVER NEAR EDEN, GA.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER DAY)	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,NH4 + ORG. SUSP. TOTAL (MG/L AS N)
OCT											
02...	6.9	.1	9.2	95	86	62.8	.14	.03	.35	.38	.09
NOV											
14...	6.1	.1	7.5	64	70	51.8	.01	.02	.27	.29	.00
DEC											
05...	6.6	.1	12	77	60	129	.14	.01	.39	.40	.00
JAN											
16...	7.2	.0	13	67	53	244	.06	.01	.60	.61	.17
FEB											
13...	6.9	.0	11	68	42	532	.01	.02	.31	.33	.00
MAR											
06...	4.0	.0	8.7	64	30	3080	.00	.01	.61	.62	.12
APR											
10...	5.7	.1	6.1	67	39	530	.02	.01	.63	.64	.00
MAY											
21...	6.3	.1	9.9	76	42	694	.07	.02	.84	.86	.11
AUG											
07...	5.8	.1	13	70	54	310	.10	.00	.96	.96	.00
28...	7.0	.1	11	87	67	98.0	.27	.03	.43	.46	.00

DATE	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)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C)	CARBON, ORGANIC SUS- PENDED TOTAL (MG/L AS C)	PHYTO- PLANK- TON, TOTAL (CELLS PER ML)	SEDI- MENT, SUS- PENDED (MG/L)	SEDI- MENT DIS- CHARGE, SUS- PENDED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT											
02...	.29	.52	.06	.04	--	3.6	1.0	--	10	6.6	41
NOV											
14...	--	.30	.02	.03	7.8	--	--	97	11	8.9	89
DEC											
05...	.40	.54	.05	.04	7.2	--	--	--	14	24	100
JAN											
16...	.44	.67	.03	.02	--	11	.3	--	8	29	82
FEB											
13...	.33	.34	.02	.02	13	--	--	--	15	117	74
MAR											
06...	.50	.62	.04	.04	11	--	--	120	56	2690	65
APR											
10...	.64	.66	.05	.04	--	23	.1	--	18	142	53
MAY											
21...	.75	.93	.05	.04	14	--	--	13	2	18	73
AUG											
07...	.96	1.1	.06	.05	--	14	.5	110	11	49	60
28...	.46	.73	.06	.05	8.3	--	--	710	2	2.3	100

02202500 OGEECHEE RIVER NEAR EDEN, GA.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	ARSENIC TOTAL (UG/L AS AS)	ARSENIC DIS- SOLVED (UG/L AS AS)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	COBALT, TOTAL RECOV- ERABLE (UG/L AS CO)	COBALT, DIS- SOLVED (UG/L AS CO)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, DIS- SOLVED (UG/L AS FE)
OCT 02...	1	1	1	1	<10	0	0	0	2	2	320	240
JAN 16...	1	1	3	2	<10	0	1	0	2	2	560	290
APR 10...	4	1	1	1	30	<10	1	0	4	4	1500	960
AUG 07...	2	2	0	0	10	<10	1	0	5	4	1800	1100

DATE	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	LEAD, DIS- SOLVED (UG/L AS PB)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	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, TOTAL RECOV- ERABLE (UG/L AS SE)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	SILVER, TOTAL RECOV- ERABLE (UG/L AS AG)	SILVER, DIS- SOLVED (UG/L AS AG)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	ZINC, DIS- SOLVED (UG/L AS ZN)
OCT 02...	19	12	70	50	<.5	<.5	0	0	1	1	10	10
JAN 16...	--	--	30	30	<.5	<.5	0	0	0	0	50	50
APR 10...	10	8	40	40	<.5	<.5	0	0	1	0	20	10
AUG 07...	4	2	70	60	<.5	<.5	0	0	0	0	20	20

02202500 OGEETCHEE RIVER NEAR EDEN, GA.--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	130	96	114	95	86	73	99	90	70	68	52	47
2	155	114	99	76	94	86	95	81	68	67	50	45
3	152	135	88	74	99	94	81	73	68	67	48	45
4	134	115	89	69	98	95	74	69	70	69	48	44
5	114	103	111	88	96	91	70	68	71	70	45	44
6	105	95	127	100	96	91	72	71	71	69	45	44
7	99	92	129	108	94	91	72	72	68	65	44	41
8	120	90	125	101	100	93	76	72	66	63	42	41
9	127	112	109	83	105	100	78	76	63	62	42	40
10	135	105	109	65	109	103	76	73	62	60	43	4
11	129	117	102	77	107	103	74	72	61	60	44	41
12	112	97	121	93	104	96	75	73	62	60	45	43
13	96	86	127	102	98	91	75	74	62	61	45	43
14	87	80	127	110	90	86	75	72	61	59	46	44
15	114	87	113	83	96	90	75	73	58	56	47	46
16	142	112	98	72	100	95	74	71	56	54	48	47
17	147	126	92	78	106	97	72	67	59	56	49	47
18	141	113	106	82	105	98	66	64	59	59	50	49
19	112	94	113	92	104	95	68	66	61	60	51	49
20	102	80	115	103	95	87	69	68	61	59	52	51
21	98	79	118	109	87	80	72	69	60	57	53	52
22	123	91	124	111	98	79	73	72	58	56	54	53
23	131	113	110	93	100	89	73	69	57	55	54	54
24	125	110	93	86	94	82	68	66	56	54	56	54
25	109	87	103	86	100	91	68	67	55	54	57	56
26	86	74	123	104	101	84	68	67	56	55	59	57
27	90	71	125	108	83	77	70	68	56	53	59	58
28	90	72	107	92	81	79	71	70	54	50	60	58
29	114	88	92	85	80	76	72	71	---	---	59	57
30	125	113	85	78	85	79	72	70	---	---	59	58
31	126	109	---	---	93	84	71	69	---	---	60	58
MONTH	155	71	129	65	109	73	99	64	71	50	60	40
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER		
1	61	60	61	59	79	76	92	82	63	58	---	---
2	63	61	61	60	82	79	94	78	59	55	---	---
3	64	62	62	60	86	81	95	80	57	55	---	---
4	65	64	64	61	89	85	95	79	60	56	---	---
5	66	65	67	63	90	86	108	76	66	60	---	---
6	67	65	68	66	85	77	96	79	72	65	---	---
7	66	65	70	67	75	61	90	79	75	72	---	---
8	67	66	70	68	61	45	92	82	79	77	---	---
9	67	65	69	67	46	41	97	81	84	82	---	---
10	67	66	68	66	46	42	99	71	89	86	---	---
11	66	65	67	63	52	46	102	69	92	89	69	64
12	65	63	63	60	58	51	95	67	101	93	70	68
13	65	63	63	60	63	57	83	74	115	102	72	69
14	68	65	61	60	66	62	85	67	120	114	75	71
15	69	67	63	60	70	66	88	71	118	103	78	73
16	70	69	63	62	73	70	90	74	116	108	81	77
17	69	67	63	61	74	72	90	75	113	103	83	80
18	67	62	62	59	78	74	81	76	116	104	84	82
19	62	55	59	56	83	77	76	67	128	112	86	84
20	56	52	59	57	84	82	75	65	144	114	90	85
21	53	51	62	59	85	83	83	74	143	127	95	90
22	54	52	60	54	90	85	87	81	135	110	100	95
23	56	54	61	57	100	91	86	73	132	113	105	100
24	58	56	63	60	103	99	73	67	128	96	105	103
25	59	55	66	62	107	101	69	60	135	92	104	100
26	55	54	68	65	110	106	64	59	131	90	100	94
27	57	55	70	67	107	98	62	59	138	100	94	90
28	58	56	73	69	100	94	64	61	---	---	91	86
29	58	57	75	72	97	91	64	62	---	---	88	85
30	59	57	77	74	95	91	64	62	---	---	85	64
31	---	---	77	75	---	---	64	61	---	---	---	---
MONTH	70	51	77	54	110	41	108	59	144	55	105	64
YEAR	155	40										

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

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

OGEECHEE RIVER BASIN

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 (122 m) upstream from bridge on State Highway 73, 2 mi (3.2 km) northeast of Claxton, and 10 mi (16.1 km) upstream from Lotts Creek.
DRAINAGE AREA.--555 mi² (1,440 km²), 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 (24.54 m) National Geodetic Vertical Datum of 1929 (levels by Georgia Department of Transportation). Prior to Oct. 20, 1949, nonrecording gage at same site and datum.

REMARKS.--Records fair.

AVERAGE DISCHARGE.--42 years, 473 ft³/s (13.4 m³/s), 11.57 in/yr (294 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 12,600 ft³/s (357 m³/s) May 26, 1966, gage height, 16.58 ft (5.054 m); minimum observed discharge, 0.86 ft³/s (0.024 m³/s) Sept. 8-14, Oct. 25, 26, Nov. 2, 1954.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 6,170 ft³/s (175 m³/s) Feb. 28, gage height, 13.53 ft (4.124 m); minimum daily, 1.1 ft³/s (0.031 m³/s) Nov. 19, 20.

DISCHARGE, IN CURIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.1	4.5	49	116	653	5090	659	904	310	35	221	26
2	4.1	4.5	37	188	622	3800	573	810	287	28	241	17
3	4.5	4.1	29	332	579	2820	496	726	235	22	223	13
4	3.8	4.8	24	362	552	2150	447	619	214	17	185	32
5	4.1	4.1	24	360	540	1780	447	554	236	14	140	80
6	4.1	4.5	38	353	545	1550	431	693	438	19	109	123
7	4.1	4.8	54	325	824	1380	415	607	648	46	181	138
8	4.1	5.6	53	431	1040	1280	418	679	612	65	266	140
9	4.1	6.0	49	499	1200	1210	462	713	452	58	196	136
10	3.8	6.0	44	464	1320	1150	578	688	353	57	145	114
11	3.5	6.0	40	440	1390	1100	600	676	302	67	106	105
12	12	3.5	37	405	1350	1090	707	621	219	127	71	136
13	5.6	2.4	33	370	1270	1070	761	614	167	300	50	170
14	2.5	1.9	29	333	1210	1050	725	941	134	439	38	170
15	3.8	2.4	26	315	1120	1040	674	1250	114	389	30	141
16	3.2	2.7	24	300	981	999	615	2250	118	276	25	112
17	3.5	2.4	23	293	847	964	629	3200	120	203	19	91
18	3.8	2.1	21	287	746	956	617	2450	96	165	15	84
19	4.1	1.1	21	277	683	933	511	1730	80	165	13	72
20	3.8	1.1	21	263	653	864	420	1290	73	199	11	61
21	3.2	1.4	21	349	649	780	351	969	67	177	8.7	53
22	3.2	1.3	20	459	756	717	284	735	60	134	8.5	50
23	3.2	1.6	18	505	1020	674	225	573	58	102	14	50
24	2.4	1.9	67	641	1390	688	180	486	64	111	15	50
25	2.7	1.9	147	787	2510	690	205	443	109	228	13	50
26	3.0	2.4	180	797	4360	701	575	369	130	403	10	64
27	5.2	3.0	169	758	5700	740	782	320	102	456	17	98
28	4.8	3.2	159	741	6050	771	918	295	75	414	31	165
29	3.5	4.8	155	709	---	768	1020	260	58	304	40	284
30	4.1	32	141	671	---	760	1020	215	45	252	56	390
31	4.5	---	126	658	---	730	---	233	---	223	39	---
TOTAL	126.4	128.0	1879	13788	40560	40295	16745	26913	5976	5495	2537.2	3215
MEAN	4.08	4.27	60.6	445	1449	1300	558	868	199	177	81.8	107
MAX	12	32	180	797	6050	5090	1020	3200	648	456	266	390
MIN	2.4	1.1	18	116	540	674	180	215	45	14	8.5	13
CFSM	.007	.008	.11	.80	2.61	2.34	1.01	1.56	.36	.32	.15	.19
IN.	.01	.01	.13	.92	2.72	2.70	1.12	1.80	.40	.37	.17	.22

CAL YR 1978 TOTAL 170131.4 MEAN 466 MAX 5440 MIN 1.1 CFSM .84 IN 11.40
WTR YR 1979 TOTAL 157657.6 MEAN 432 MAX 6050 MIN 1.1 CFSM .78 IN 10.57

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, Air Temperature, Water Temperature, pH, and Dissolved Oxygen by U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	PH (UNITS)	TEMPER- ATURE, AIR (DEG C)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
OCT 03...	0945	4.4	6.3	24.0	18.5	4.0
NOV 14...	1045	1.8	6.7	22.0	15.5	5.0
DEC 13...	1100	33	5.9	9.0	5.5	9.9
JAN 10...	1400	459	5.2	12.0	4.0	12.3
FEB 07...	1645	880	5.2	12.0	4.5	11.3
MAR 08...	1010	1280	6.0	15.5	13.0	--
APR 06...	0745	441	5.5	11.5	17.0	7.8
MAY 11...	0750	679	5.1	23.0	21.0	6.5
JUN 12...	1200	218	5.6	29.0	23.0	6.4
JUL 18...	1200	149	5.6	27.0	25.5	5.6
AUG 08...	0800	272	5.2	27.0	26.0	6.0
SEP 11...	1200	101	5.6	30.0	25.0	5.7

DATE	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	OXYGEN DEMAND, RIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LINITY (MG/L AS CAC03)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDE (MG/L)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 03...	81	80	7	1.4	65	16	--	.08	.30	.46	8.0
NOV 14...	81	60	8	>7.8	40	22	<1	.05	.40	.56	8.0
DEC 13...	89	80	2	1.2	150	5	<1	.06	.12	.10	16
JAN 10...	60	80	2	1.9	90	2	4	<.02	<.02	.40	17
FEB 07...	52	70	3	.8	930	2	<1	.08	<.02	.04	15
MAR 08...	54	100	3	1.6	2300	7	<1	.02	.28	.24	18
APR 06...	50	140	6	2.5	230	4	1	<.02	<.02	.04	20
MAY 11...	36	160	6	1.8	40	3	20	.04	<.02	.05	19
JUN 12...	37	160	6	1.1	430	4	<1	.03	<.02	.14	19
JUL 18...	41	180	5	--	--	3	8	.03	.06	.05	19
AUG 08...	49	120	13	1.8	230	2	29	.04	.03	.04	18
SEP 11...	45	250	8	1.3	90	6	--	<.02	.12	.09	28

OGEECHEE RIVER BASIN

02203519 CANOOCHEE RIVER NEAR RICHMOND HILL, GA.

LOCATION.--Lat 31°58'59", long 81°23'07", Bryan County, Hydrologic Unit 03060203, at bridge on State Highway 67, 5.3 mi (8.5 km) west of Richmond Hill, and 8.5 mi (13.7 km) 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, Air Temperature, Water Temperature, pH, and Dissolved Oxygen by U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	PH (UNITS)	TEMPER- ATURE, AIR (DEG C)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
OCT 03...	0800	6.4	17.0	19.5	6.8
NOV 14...	0900	6.6	19.0	16.0	6.0
DEC 13...	0800	6.7	-3.0	7.0	9.5
JAN 11...	0800	5.2	4.0	3.0	11.2
FEB 07...	1815	5.1	12.0	6.0	10.3
MAR 08...	0900	4.9	14.5	14.0	--
APR 04...	1330	5.6	18.0	20.0	7.7
MAY 09...	1245	5.6	28.0	21.5	6.0
JUN 13...	1645	5.7	25.5	26.0	5.5
JUL 18...	0930	5.5	25.0	25.5	--
AUG 09...	0810	5.1	27.0	26.0	4.8
SEP 12...	0830	4.4	26.0	25.0	4.3

DATE	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC HROTH (MPN)	ALKA- LINITY (MG/L AS CAC03)	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...	70	100	5	.5	90	15	<1	.27	<.02	.24	8.0
NOV 14...	79	60	7	.9	90	22	<1	.33	.02	.30	8.0
DEC 13...	80	80	2	.9	40	12	<1	.44	.04	.26	14
JAN 11...	68	80	2	1.2	<30	2	1	.03	<.02	.08	16
FEB 07...	61	80	2	1.0	40	2	<1	.02	<.02	.04	15
MAR 08...	43	120	3	1.9	40	1	<1	.02	<.02	.05	21
APR 04...	46	100	6	1.4	<30	3	3	.02	<.02	.08	20
MAY 09...	36	140	5	1.2	230	4	5	.06	.03	.16	17
JUN 13...	42	160	6	1.2	90	4	7	.14	.05	.09	14
JUL 18...	56	160	5	--	--	4	7	.07	.03	.12	18
AUG 09...	40	240	5	1.2	70	2	70	.07	.03	.11	26
SEP 12...	49	400	4	1.4	90	2	<1	<.02	<.02	.06	44

NORTH NEWPORT RIVER BASIN

81

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 (15.9 km).
DRAINAGE AREA.--157 mi² (407 km²).

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 Air Temperature, Water Temperature, pH, and Dissolved Oxygen by U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	PH (UNITS)	TEMPER- ATURE, AIR (DEG C)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
OCT					
05...	1345	7.7	26.5	25.0	5.0
NOV					
07...	0950	7.4	20.0	18.0	6.2
JAN					
16...	1020	7.8	7.0	8.0	8.0
FEB					
06...	1025	7.8	8.0	8.5	8.4
MAR					
28...	1000	7.4	15.5	16.0	9.2
APR					
30...	0905	7.6	19.5	21.0	6.2
MAY					
21...	0900	7.7	22.0	23.5	4.6
JUN					
27...	0815	7.5	17.0	19.0	5.6
JUL					
31...	0845	7.5	28.0	29.0	3.6
AUG					
21...	0915	7.2	29.5	28.5	5.2
SEP					
19...	0815	7.6	23.0	25.0	4.8

DATE	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	COLOR (PLAT- INIM- COBALT UNITS)	TUR- BID- ITY (JTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LINITY (MG/L AS CAC03)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	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												
05...	34200	40	12	1.2	<30	121	17400	26	<.02	.03	.11	6.0
NOV												
07...	34300	60	14	.8	<30	132	16600	23	<.02	.08	.14	9.0
JAN												
16...	34100	15	8	1.4	<30	120	16500	18	<.02	.10	.12	5.0
FEB												
06...	31600	10	5	1.0	<30	119	16200	13	<.02	<.02	.14	6.0
MAR												
28...	36000	30	10	.6	<30	94	13100	30	<.02	<.02	.09	9.0
APR												
30...	32000	25	20	1.0	<30	94	12600	47	<.02	.04	.09	12
MAY												
21...	19500	100	16	1.4	<30	69	7600	21	.08	.07	.12	13
JUN												
27...	27000	37	--	1.3	<30	86	10700	148	.06	.06	.24	11
JUL												
31...	20200	80	28	2.3	<30	75	7800	82	.24	.03	.14	12
AUG												
21...	40000	35	13	4.6	<30	100	--	42	.06	.03	.12	6.0
SEP												
19...	29500	50	14	.7	<30	89	10500	78	.10	<.02	.10	11

ALTAMAHA RIVER BASIN

02203800 SOUTH RIVER AT ATLANTA, GA.

LOCATION.--Lat 33°40'46", long 84°18'30", DeKalb County, Hydrologic Unit 03070103, at bridge on Bouldercrest Road at Atlanta, 0.4 mi (0.6 km) southeast of Interstate Highway 285, and 1.1 mi (1.8 km) upstream from Sugar Creek.

DRAINAGE AREA.--41.5 mi² (107 km²).

PERIOD OF RECORD.--July 1975 to current year.

REMARKS.--Natural flow of stream includes some flow diverted from the Chattahoochee River for municipal supply. Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Discharge, Air Temperature, Water Temperature, pH, and Dissolved Oxygen by U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	PH (UNITS)	TEMPER- ATURE, AIR (DEG C)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
OCT 19...	0915	52	7.0	12.5	15.0	5.7
NOV 16...	1200	53	6.9	25.0	18.0	5.0
DEC 14...	1145	50	7.1	6.0	10.5	7.1
JAN 16...	1425	68	7.0	8.5	9.5	9.0
FEB 15...	1150	45	7.1	19.0	14.0	5.2
MAR 15...	0930	56	7.0	12.5	11.0	6.6
APR 26...	1030	1250	6.9	16.0	17.0	8.0
MAY 15...	0845	48	7.1	18.0	18.0	5.4
JUN 21...	0700	50	7.1	22.0	22.0	7.6
JUL 19...	0700	95	7.2	21.0	24.0	4.2
AUG 17...	0845	50	7.0	21.0	22.5	2.7
SEP 19...	0815	68	6.9	19.5	22.0	5.3

DATE	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	TUR- BID- ITY (JTU)	OXYGEN DEMAND, HI- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LITY (MG/L AS CAC03)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDE (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)
OCT 19...	309	20	20	430	55	29	256	3.0	3.6	4.2	26
NOV 16...	309	29	24	1255	59	22	228	3.2	5.2	4.3	23
DEC 14...	319	24	24	430	62	24	240	1.7	6.6	4.0	24
JAN 16...	273	21	27	5900	62	25	208	2.0	5.8	3.4	7.0
FEB 15...	293	26	4.4	640	65	22	228	1.2	5.7	3.3	21
MAR 15...	290	17	20	4300	66	15	188	1.4	6.0	2.5	18
APR 26...	70	256	14	230000	25	372	384	.37	.51	.79	16
MAY 15...	274	19	21	930	69	9	136	1.3	3.4	2.9	20
JUN 21...	340	22	15	430	68	42	272	2.4	5.0	4.0	16
JUL 19...	195	50	28	230000	38	80	212	1.3	2.1	2.1	17
AUG 17...	380	27	19	930	88	18	240	2.0	7.5	3.4	23
SEP 19...	229	23	15	2300	52	26	192	1.6	2.2	2.0	18

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 (3.2 km) south of State Highway 212, 2.4 mi (3.8 km) downstream from Snapfinger Creek, and 6.2 mi (10 km) southwest of Lithonia.

PERIOD OF RECORD.--July 1975 to current year.

REMARKS.--Natural flow of stream includes some flow diverted from the Chattahoochee River for municipal supply. Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Discharge, Air Temperature, Water Temperature, pH, and Dissolved Oxygen by U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	PH (UNITS)	TEMPER- ATURE, AIR (DEG C)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
OCT 19...	1000	7.1	19.5	14.5	5.8
NOV 16...	1115	7.0	22.0	17.5	4.6
DEC 14...	1055	7.2	4.0	9.0	8.1
JAN 16...	1335	7.1	5.5	5.0	7.9
FEB 15...	1100	7.2	19.0	12.0	7.8
MAR 15...	0900	7.1	7.0	11.5	7.8
APR 26...	0930	6.9	18.0	17.5	8.1
MAY 15...	0815	7.3	16.0	18.5	6.6
JUN 21...	0745	7.2	22.0	22.0	8.6
JUL 19...	0850	6.8	21.5	24.0	3.8
AUG 17...	0815	7.1	20.5	22.5	4.0
SEP 19...	0905	6.9	22.5	20.5	6.3

DATE	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	TUR- BID- ITY (JTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LITY (MG/L AS CAC03)	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)
OCT 19...	260	11	9.2	580	49	11	200	2.5	3.7	3.2	14
NOV 16...	259	15	11	230	64	8	179	.90	5.6	3.6	12
DEC 14...	221	13	10	--	48	10	164	1.0	7.2	2.6	14
JAN 16...	194	15	8.0	40	45	12	148	1.3	2.2	2.1	4.0
FEB 15...	205	17	11	<30	50	13	146	.97	3.9	1.9	10
MAR 15...	185	14	8.0	1500	45	23	124	.85	--	1.2	8.5
APR 26...	91	125	14	93000	26	164	196	.41	.80	.79	13
MAY 15...	195	12	16	430	54	13	132	1.1	4.0	.42	7.0
JUN 21...	215	10	8.8	390	49	11	148	1.5	3.3	2.4	5.0
JUL 19...	121	136	>27	4600000	23	223	318	.76	1.2	1.1	14
AUG 17...	245	17	9.2	430	52	12	124	1.9	3.5	2.9	9.0
SEP 19...	129	48	6.4	2300	26	49	144	1.5	.86	.93	8.0

ALTAMAHA RIVER BASIN

02204285 PATES CREEK NEAR FLIPPEN, GA.

LOCATION.--Lat 33°29'34", long 84°14'44", Henry County, Hydrologic Unit 03070103, on left upstream headwall of culvert on county road, 3.6 mi (5.8 km) west of Flippen, and 3.8 mi (6.1 km) upstream from Little Cotton Indian Creek.
DRAINAGE AREA.--11.9 mi² (30.8 km²).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--August 1977 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 722 ft (220 m), from topographic map.

REMARKS.--Records good.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 816 ft³/s (23.1 m³/s) Nov. 5, 1977, gage height, 9.40 ft (2.865 m);
minimum discharge, 1.5 ft³/s (0.042 m³/s) Oct. 24, 1978.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 350 ft³/s (9.91 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)	Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
Apr. 4	1000	388 11.0	4.80 1.463	Apr. 13	1830	*511 14.5	6.17 1.881

Minimum discharge, 1.5 ft³/s (0.042 m³/s) Oct. 24.

DISCHARGES FOR PEAKS ABOVE BASE NOT PREVIOUSLY PUBLISHED.--

Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
Nov. 5, 1977	0600	816 23.1	9.40 2.865
Jan. 25, 1978	2045	654 18.5	7.75 2.362

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.7	4.4	4.7	10	8.1	27	7.0	13	7.7	3.9	3.4	4.6
2	2.6	3.8	4.4	31	8.5	17	6.8	11	7.2	3.8	3.6	4.5
3	2.3	3.9	4.4	10	9.6	18	10	11	7.1	3.8	3.4	4.1
4	1.9	4.1	16	6.4	9.9	123	151	11	7.0	3.6	3.2	3.8
5	1.8	4.4	23	6.3	11	64	60	12	6.5	3.6	3.1	3.5
6	1.8	4.4	8.3	6.0	35	38	33	20	6.4	3.7	3.1	3.4
7	1.9	6.0	7.2	8.6	73	25	20	14	6.5	4.0	3.0	3.2
8	2.6	3.6	6.0	7.1	35	20	19	14	6.5	4.5	3.0	3.1
9	2.9	2.7	6.7	5.6	20	17	70	13	6.2	5.7	2.9	3.0
10	3.1	2.7	4.3	5.4	14	15	36	12	5.8	6.4	2.8	2.8
11	3.2	2.7	4.0	5.8	11	18	23	13	5.2	6.1	4.9	3.0
12	3.3	2.7	4.0	14	10	14	27	14	4.8	6.5	8.1	3.5
13	3.5	2.9	4.6	27	9.3	13	257	15	5.4	5.4	4.4	4.4
14	4.7	3.1	4.2	15	9.6	13	137	12	5.5	4.7	3.5	5.3
15	4.7	3.1	4.8	9.9	9.2	12	52	10	5.5	4.2	3.1	3.7
16	11	3.5	4.5	8.6	7.9	11	28	8.9	5.8	3.7	3.1	3.5
17	21	4.4	4.2	8.4	7.2	10	20	8.7	5.5	3.4	2.9	5.8
18	17	10	3.7	7.5	11	11	17	8.2	5.3	3.5	3.0	14
19	6.6	4.5	3.8	6.2	10	10	15	9.1	4.9	4.3	2.9	11
20	1.6	3.9	3.9	30	24	8.7	16	9.2	4.9	4.8	2.9	6.7
21	1.7	3.9	5.3	48	47	8.0	13	8.6	5.1	16	2.9	6.2
22	1.8	3.9	4.1	24	44	7.6	12	8.0	5.1	18	3.2	6.7
23	2.0	3.9	4.4	15	56	11	11	8.7	4.8	8.3	14	5.3
24	2.3	3.8	14	41	180	11	10	9.3	4.8	5.9	12	4.8
25	1.8	3.2	11	21	159	9.4	14	8.4	5.0	5.2	8.0	4.8
26	2.2	3.3	7.3	14	66	7.6	52	7.6	4.7	5.1	9.4	4.8
27	2.7	9.2	5.6	11	41	7.3	35	6.9	4.7	4.6	6.2	22
28	2.7	5.8	5.0	9.6	36	7.1	22	6.5	4.6	3.9	4.8	18
29	3.0	5.4	5.0	8.1	---	7.1	16	8.1	4.5	3.5	4.7	42
30	3.8	6.2	5.9	7.7	---	7.1	14	8.0	4.4	3.4	5.8	22
31	4.1	---	6.1	8.9	---	7.1	---	7.6	---	3.3	5.4	---
TOTAL	128.3	129.4	200.4	437.1	962.3	575.0	1203.8	326.8	167.4	166.8	146.7	233.5
MEAN	4.14	4.31	6.46	14.1	34.4	18.5	40.1	10.5	5.58	5.38	4.73	7.78
MAX	21	10	23	48	180	123	257	20	7.7	18	14	42
MIN	1.6	2.7	3.7	5.4	7.2	7.1	6.8	6.5	4.4	3.3	2.8	2.8
CFSM	.35	.36	.54	1.19	2.89	1.56	3.37	.88	.47	.45	.40	.65
IN.	.40	.40	.63	1.37	3.01	1.80	3.76	1.02	.52	.52	.46	.73

CAL YR 1978	TOTAL	4418.2	MEAN 12.1	MAX 279	MIN 1.6	CFSM 1.02	IN 13.81
WTR YR 1979	TOTAL	4677.5	MEAN 12.8	MAX 257	MIN 1.6	CFSM 1.08	IN 14.62

02204285 PATES CREEK NEAR FLIPPEN, GA.--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--February 1978 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	TEMPER- ATURE (DEG C)	TUR- BID- ITY (NTU)	SEDI- MENT, SUS- PENDED (MG/L)	SEDI- MENT DIS- CHARGE, SUS- PENDED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
FEH 27...	1520	43	10.0	140	258	30	95
APR 10...	1530	31	17.0	90	133	11	96
SEP 25...	1415	4.8	18.0	--	12	.16	--

02204500 SOUTH RIVER NEAR MCDONOUGH, GA.

LOCATION.--Lat 33°29'48", long 84°00'53", Henry-Newton County line, Hydrologic Unit 03070103, on left bank 20 ft (6 m) downstream from Butler Bridge, 0.2 mi (0.3 km) upstream from Beech Creek, 2 mi (3.2 km) downstream from Big Walnut Creek, 4.5 mi (7.2 km) downstream from Cotton River, and 9 mi (14.5 km) northeast of McDonough.

DRAINAGE AREA.--456 mi² (1,180 km²).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1939 to September 1960. Water years 1961-65 (annual maximum only). October 1975 to current year.

REVISED RECORDS.--WSP 1624: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 564.99 ft (172.209 m) National Geodetic Vertical Datum of 1929 (Corps of Engineers bench mark).

REMARKS.--Records good except those for periods of no gage-height record, Nov. 13 to Dec. 8, June 24 to July 5, July 29 to Aug. 16, and Sept. 8-26, which are fair. Low flows affected by return flow from city of Atlanta and DeKalb County.

AVERAGE DISCHARGE.--25 years, 576 ft³/s (16.3 m³/s), 17.15 in/yr (436 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 34,500 ft³/s (977 m³/s) Jan. 7, 1946, gage height, 24.7 ft (7.53 m), from rating curve extended above 25,000 ft³/s (708 m³/s); minimum daily, 54 ft³/s (1.53 m³/s) Oct. 12, 1954.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 5,000 ft³/s (142 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)	Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
Feb. 25	1100	6980 198	15.91 4.849	Apr. 14	1730	*19800 561	22.28 6.791
Apr. 5	1300	6740 191	15.50 4.724				

Minimum daily discharge, 146 ft³/s (4.13 m³/s) Oct. 8.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	178	159	250	342	465	951	486	706	806	220	220	1490
2	216	162	240	1460	418	821	473	666	490	210	210	1330
3	182	159	300	1080	412	764	620	647	429	205	200	430
4	168	159	500	576	419	2200	3100	629	551	200	190	400
5	163	158	1000	452	398	3850	5790	616	432	210	185	340
6	157	161	600	414	435	1540	1570	751	387	217	180	305
7	149	161	450	423	2830	1090	1020	675	406	225	175	290
8	146	211	375	697	1850	938	853	612	813	230	170	270
9	147	215	364	494	970	845	2280	657	494	304	165	250
10	147	175	607	387	721	780	1520	621	399	388	160	240
11	147	164	372	362	609	871	937	579	361	348	250	220
12	147	174	317	436	543	802	800	607	335	290	350	350
13	153	170	318	1390	507	706	3580	846	316	338	280	540
14	310	180	289	919	486	684	15400	642	306	266	230	700
15	258	170	272	620	465	697	7870	545	295	240	210	400
16	173	160	268	488	447	620	1710	501	297	220	200	280
17	167	230	276	439	422	594	1250	470	291	201	182	600
18	159	350	267	416	467	583	1060	451	273	200	185	1300
19	159	280	250	391	524	569	941	442	274	330	182	900
20	161	240	249	530	677	552	862	436	261	304	172	420
21	161	210	259	3290	1740	536	802	520	271	1460	168	500
22	160	190	370	1480	1560	521	750	446	290	1910	238	850
23	162	180	267	814	1940	596	714	447	298	707	979	600
24	159	190	306	1840	4180	1340	687	462	270	433	1120	400
25	166	190	694	1340	6490	740	802	444	260	439	842	320
26	165	200	429	799	4280	608	2290	419	250	398	1240	300
27	169	250	332	665	1630	550	2280	401	245	337	773	858
28	165	350	302	591	1160	525	1090	399	240	300	460	1620
29	164	300	290	517	---	507	850	435	235	280	685	2240
30	160	270	287	475	---	494	759	750	230	250	868	1610
31	159	---	342	476	---	488	---	470	---	240	473	---
TOTAL	5277	6168	11442	24603	37045	27362	63146	17292	10805	11900	11942	20353
MEAN	170	206	369	794	1323	883	2105	558	360	384	385	678
MAX	310	350	1000	3290	6490	3850	15400	846	813	1910	1240	2240
MIN	146	158	240	342	398	488	473	399	230	200	160	220
CFSM	.37	.45	.81	1.74	2.90	1.94	4.62	1.22	.79	.84	.84	1.49
IN.	.43	.50	.93	2.01	3.02	2.23	5.15	1.41	.88	.97	.97	1.66

CAL YR 1978	TOTAL	199985	MEAN 548	MAX 11100	MIN 146	CFSM 1.20	IN 16.31
WTR YR 1979	TOTAL	247335	MEAN 678	MAX 15400	MIN 146	CFSM 1.49	IN 20.18

ALTAMAHA RIVER BASIN

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02204500 SOUTH RIVER NEAR MCDONOUGH, GA.--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--February 1957 to May 1958, January 1978 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	TEMPER- ATURE (DEG C)	SEDI- MENT, SUS- PENDED (MG/L)	SEDI- MENT DIS- CHARGE, SUS- PENDED (T/DAY)
SEP 26...	1030	296	18.5	17	14

ALTAMAHA RIVER BASIN

02204520 SOUTH RIVER AT SNAPPING SHOALS, GA.

LOCATION.--Lat 33°29'04", long 83°57'29", Newton-Henry County line, Hydrologic Unit 03070103, at bridge on State Highway 81, 0.2 mi (0.3 km) south of State Highway 212, and 0.5 mi (0.8 km) upstream from Snapping Shoals Creek.

DRAINAGE AREA.--465 mi² (1,200 km²).

PERIOD OF RECORD.--July 1975 to current year.

REMARKS.--Natural flow of stream includes some flow diverted from the Chattahoochee River for municipal supply. Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Discharge, Air Temperature, Water Temperature, pH, and Dissolved Oxygen by U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	PH (UNITS)	TEMPER- ATURE, AIR (DEG C)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
OCT						
12...	1100	175	6.9	25.0	15.0	6.8
NOV						
07...	0910	140	7.2	14.5	13.0	6.0
DEC						
06...	1125	760	6.9	12.0	11.0	7.8
JAN						
09...	1105	630	6.9	-2.0	5.5	8.8
FEB						
08...	1030	2200	6.5	2.0	5.0	11.2
MAR						
06...	0945	1800	6.7	9.0	13.0	8.6
APR						
10...	1200	1350	6.8	17.0	15.5	8.5
30...	1000	690	6.9	22.0	15.0	7.0
JUN						
05...	0840	440	6.9	20.5	21.0	8.0
JUL						
11...	0930	360	6.9	22.0	20.0	5.7
AUG						
15...	1115	155	6.6	26.0	23.5	6.4
SEP						
04...	1500	640	6.8	24.0	24.0	5.4

DATE	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	TUR- BID- ITY (JTU)	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 (MG/L AS CaCO3)
OCT						
12...	179	13	55	1.6	750	28
NOV						
07...	185	10	16	7.2	230	40
DEC						
06...	134	13	14	2.4	9300	50
JAN						
09...	93	18	8	5.8	2300	20
FEB						
08...	55	60	<5	6.0	4300	11
MAR						
06...	59	66	17	1.4	1500	12
APR						
10...	53	52	12	.8	2300	13
30...	80	16	10	2.8	230	19
JUN						
05...	95	24	43	3.2	1400	18
JUL						
11...	122	10	16	2.0	430	19
AUG						
15...	120	15	8	2.4	930	22
SEP						
04...	105	25	14	2.6	930	20

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDE (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)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT							
12...	4	130	2.1	.12	.50	2.4	3.0
NOV							
07...	4	130	2.3	.46	1.3	2.8	6.0
DEC							
06...	6	108	.34	.23	1.3	.28	4.0
JAN							
09...	11	94	1.2	.63	.80	.70	3.0
FEB							
08...	85	146	.62	.16	2.2	.30	4.0
MAR							
06...	56	--	--	.06	.50	.19	5.4
APR							
10...	40	92	.48	<.02	.40	.22	5.0
30...	16	80	1.0	.08	1.1	.32	<5.0
JUN							
05...	13	84	1.3	.11	.90	.56	4.5
JUL							
11...	9	100	2.1	.10	.60	1.0	1.5
AUG							
15...	12	100	1.7	.11	.50	.66	3.0
SEP							
04...	14	88	1.6	.04	.40	.39	1.5

02205000 WILDCAT CREEK NEAR LAWRENCEVILLE, GA.

LOCATION.--Lat 34°00'08", long 84°00'18", Gwinnett County, Hydrologic Unit 03070103, on left bank 75 ft (23 m) upstream from highway bridge, 0.7 mi (1.1 km) upstream from mouth, 1.1 mi (1.8 km) east of State Highway 20, and 3.2 mi (5.1 km) north of Lawrenceville.

DRAINAGE AREA.--1.59 mi² (4.12 km²).

PERIOD OF RECORD.--October 1953 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 970 ft (926 m), by barometer.

REMARKS.--Records fair.

AVERAGE DISCHARGE.--26 years, 1.70 ft³/s (0.048 m³/s), 14.52 in/yr (369 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 806 ft³/s (22.8 m³/s) May 6, 1956, gage height, 8.20 ft (2.499 m), from rating curve extended above 45 ft³/s (1.27 m³/s), on basis of slope-area measurement at gage height, 4.95 ft (1.509 m) and slope-area estimate at gage height, 8.20 ft (2.499 m); no flow for part of each day Sept. 1-6, Oct. 7, 1954.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 60 ft³/s (1.70 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s) (m ³ /s)		Gage height (ft) (m)		Date	Time	Discharge (ft ³ /s) (m ³ /s)		Gage height (ft) (m)	
Oct. 13	1915	143	4.05	5.07	1.545	Apr. 4	0745	108	3.06	4.64	1.414
Feb. 24	0730	83	2.35	4.30	1.311	Apr. 13	1130	*219	6.20	5.91	1.801

Minimum daily discharge, 0.16 ft³/s (0.005 m³/s) Oct. 6-8.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.49	.37	.53	1.1	1.2	2.3	1.1	2.3	3.1	.56	.37	.59
2	.42	.36	.46	2.6	1.2	2.0	1.2	2.1	2.1	.51	.40	.39
3	.39	.37	.49	1.2	1.2	2.7	5.0	2.1	2.4	.47	.36	.60
4	.35	.35	4.9	1.0	1.2	14	23	2.2	2.0	.46	.36	.46
5	.26	.34	4.5	.96	1.1	5.0	5.2	2.0	1.6	1.4	.34	.53
6	.16	.34	1.2	.98	2.3	3.0	3.1	1.9	1.6	.81	.32	.48
7	.16	.45	.93	2.6	3.3	2.5	2.5	1.8	1.6	.79	.29	.36
8	.16	.38	.80	2.1	2.7	2.4	2.7	1.8	1.5	.88	.31	.33
9	.39	.35	1.6	1.4	2.3	2.1	5.0	2.1	1.3	1.4	.32	.31
10	.96	.35	1.0	1.2	1.8	2.1	2.9	1.9	1.1	1.3	.27	.31
11	1.3	.34	.83	1.1	1.6	2.1	2.4	1.7	1.0	.98	.62	.30
12	3.3	.35	.74	2.3	1.5	1.8	6.4	2.6	.95	1.1	.63	.29
13	8.3	.34	.69	2.7	1.4	1.7	68	4.2	.89	.80	.37	.44
14	.54	.33	.65	2.0	1.3	1.8	9.2	3.9	.90	.68	.34	.56
15	.39	.35	.64	1.5	1.3	1.6	5.1	3.2	.88	.61	.31	.34
16	.35	.35	.71	1.3	1.2	1.5	4.6	2.8	.87	.56	.29	.33
17	.35	1.8	.68	1.2	1.2	1.5	3.9	1.9	.85	.53	.29	.34
18	.35	1.1	.60	1.1	1.6	1.4	3.4	1.8	.78	.51	.27	2.4
19	.32	.50	.59	1.1	1.3	1.4	3.1	1.7	.66	.71	.27	.91
20	.35	.43	.59	9.7	2.1	1.3	3.0	1.5	.77	1.5	.27	.82
21	.35	.42	1.0	5.4	3.5	1.3	2.8	1.9	.79	2.1	.26	2.7
22	.35	.41	.69	2.5	6.2	1.3	2.7	1.8	.77	1.6	.27	1.6
23	.35	.47	.63	2.4	8.3	2.0	2.8	1.9	.70	.95	.34	1.1
24	.32	.42	1.1	7.6	24	1.7	2.8	1.9	.70	1.2	.34	.94
25	.31	.39	.88	2.7	16	1.4	4.4	1.3	.71	1.1	.45	.96
26	.34	.37	.73	2.2	4.6	1.3	9.8	1.2	.70	.83	.58	.95
27	.34	.76	.73	2.0	3.0	1.2	4.1	1.2	.65	.68	.38	5.0
28	.32	.63	.69	1.7	2.5	1.2	3.0	1.2	.60	.58	.33	3.5
29	.35	.67	.64	1.5	---	1.2	2.7	4.9	.56	.51	.73	1.5
30	.34	.67	.83	1.4	---	1.2	2.5	2.1	.59	.43	.35	1.0
31	.33	---	.82	1.4	---	1.1	---	7.2	---	.40	.32	---
TOTAL	22.99	14.76	31.87	69.94	100.9	69.1	198.4	72.1	33.62	26.94	11.35	30.34
MEAN	.74	.49	1.03	2.26	3.60	2.23	6.61	2.33	1.12	.87	.37	1.01
MAX	8.3	1.8	4.9	9.7	24	14	68	7.2	3.1	2.1	.73	5.0
MIN	.16	.33	.46	.96	1.1	1.1	1.1	1.2	.56	.40	.26	.29
CFSM	.47	.31	.65	1.42	2.26	1.40	4.16	1.47	.70	.55	.23	.64
IN.	.54	.35	.75	1.64	2.36	1.62	4.64	1.69	.79	.63	.27	.71
CAL YR 1978	TOTAL 594.52	MEAN 1.63	MAX 47	MIN .08	CFSM 1.03	IN 13.90						
WTR YR 1979	TOTAL 682.31	MEAN 1.87	MAX 68	MIN .16	CFSM 1.18	IN 15.95						

02206500 YELLOW RIVER NEAR SNELLVILLE, GA.

LOCATION.--Lat 33°51'11", long 84°04'45", Gwinnett County, Hydrologic Unit 03070103, at county highway bridge, 3.2 mi (5.1 km) west of Snellville, 4 mi (6.4 km) downstream from Sweetwater Creek, 6.5 mi (10.5 km) northeast of town of Stone Mountain, and 7.5 mi (12.1 km) upstream from Stone Mountain Creek.

DRAINAGE AREA.--134 mi² (347 km²).

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, Air Temperature, Water Temperature, pH, and Dissolved Oxygen by U.S. Geological Survey. Water-discharge records for the water years 1943-71 are published in reports of the Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	PH (UNITS)	TEMPER- ATURE, AIR (DEG C)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
NOV 16...	0920	19	7.1	19.0	15.0	9.0
FEB 15...	0915	100	7.2	14.0	9.0	10.8
MAY 15...	0630	168	7.1	11.0	18.0	8.4
AUG 17...	0640	51	7.3	18.5	20.0	7.2

DATE	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	TUR- BID- ITY (JTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LINITY (MG/L AS CAC03)	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 16...	110	12	.8	230	34	.60	.17	.20	2.0
FEB 15...	78	16	1.0	2100	21	.61	.07	.08	<1.0
MAY 15...	62	38	1.4	930	20	.34	<.02	.08	<5.0
AUG 17...	102	14	1.4	1265	31	.80	.06	.14	2.0

02207300 YELLOW RIVER AT MILSTEAD, GA.

LOCATION.--Lat 33°41'23", long 83°58'43", Rockdale County, Hydrologic Unit 03070103, at bridge on State Highway 20 at Milstead, 2.2 mi (3.5 km) northeast of Conyers.

DRAINAGE AREA.--210 mi² (540 km²), 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, Air Temperature, Water Temperature, pH, and Dissolved Oxygen by U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	PH (UNITS)	TEMPER- ATURE, AIR (DEG C)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)				
OCT										
19...	1100	62	7.3	20.5	12.0	8.2				
NOV										
16...	1020	37	6.9	20.0	15.5	8.8				
DEC										
14...	0950	147	7.2	4.0	5.5	10.4				
JAN										
16...	1245	385	6.9	5.5	2.5	8.2				
FEB										
15...	1005	281	7.2	14.0	8.5	9.6				
MAR										
15...	0810	371	7.0	6.0	11.0	8.9				
APR										
26...	0830	996	7.0	19.0	18.0	8.3				
MAY										
15...	0730	448	7.2	15.0	19.0	8.8				
JUN										
21...	1000	135	7.1	24.0	21.5	9.4				
JUL										
19...	1000	112	7.2	24.0	24.0	6.8				
AUG										
17...	0730	75	7.1	20.0	21.5	7.0				
SEP										
19...	1020	450	7.2	24.0	21.0	7.7				

DATE	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	TUR- BID- ITY (JTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, CON- FIRMED (MPN)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LINITY (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										
19...	84	15	.8	--	230	22	.40	.05	.06	11
NOV										
16...	80	14	.6	2300	90	27	.34	<.02	.05	2.0
DEC										
14...	70	14	.7	--	930	21	.34	.12	.08	1.0
JAN										
16...	59	15	.5	930	40	17	.36	.10	.06	2.0
FEB										
15...	60	17	.7	2100	70	17	.49	.03	.06	<1.0
MAR										
15...	61	14	.8	7500	390	17	.44	.02	.05	2.0
APR										
26...	46	60	1.6	43000	930	16	.32	<.02	.13	6.0
MAY										
15...	52	66	1.2	9300	4300	17	.30	<.02	.07	<5.0
JUN										
21...	70	13	.6	4300	230	23	.56	<.02	.03	2.5
JUL										
19...	76	15	.6	23000	230	24	.66	.02	.06	1.0
AUG										
17...	81	23	.8	3900	210	25	.53	.04	.05	3.0
SEP										
19...	73	76	.8	43000	15000	21	.56	.02	.19	12

02207500 YELLOW RIVER NEAR COVINGTON, GA.

LOCATION.--Lat 33°36'52", long 83°54'54", Newton County, Hydrologic Unit 03070103, at downstream end of left bank pier of bridge on State Highway 12, 50 ft (15 m) downstream from Interstate Highway 20, 0.2 mi (0.3 km) downstream from Georgia Railroad bridge, 0.5 mi (0.8 km) downstream from Gum Creek, and 3.5 mi (5.6 km) northwest of Covington.

DRAINAGE AREA.--378 mi² (979 km²).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--September to December 1897, May 1899 to December 1901, July 1944 to September 1960, October 1975 to current year. Published as "at Almon", 1897-1901. Water years 1961-65 (annual maximum only).

REVISED RECORDS.--WSP 1112: 1945(M), 1946. WSP 1624: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 616.99 ft (188.059 m) National Geodetic Vertical Datum of 1929. September to December 1897, staff gage at about same site at different datum. May 1899 to December 1901, staff gage at site 1 mi (1.6 km) upstream at different datum.

REMARKS.--Records good except those for period of no gage-height record, Nov. 21 to Dec. 8, which are fair.

AVERAGE DISCHARGE.--22 years (1899-1901, 1944-60, 1975-79), 471 ft³/s (13.3 m³/s), 16.92 in/yr (430 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 16,200 ft³/s (459 m³/s) Nov. 29, 1948, gage height, 20.3 ft (6.19 m); minimum daily, 10 ft³/s (0.28 m³/s) Oct. 7, 1954.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 3,500 ft³/s (99.1 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)	Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
Feb. 26	0900	5050 143	14.30 4.359	Sept. 30	2400	3730 106	12.41 3.783
Apr. 14	1300	*9310 264	18.02 5.492				

Minimum daily discharge, 87 ft³/s (2.46 m³/s) Oct. 12, 13.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	116	229	230	272	424	1040	368	747	1170	165	186	343
2	123	261	210	721	385	858	361	677	1400	158	172	564
3	115	264	200	817	369	739	428	636	673	150	161	330
4	108	263	250	521	367	1150	1490	610	913	145	155	264
5	102	262	450	406	352	2280	2860	597	749	142	146	241
6	95	264	800	359	384	2120	2490	613	529	142	140	205
7	91	220	500	372	1110	1210	1140	580	478	164	133	185
8	89	206	350	547	1220	901	787	558	465	169	131	172
9	89	175	308	499	880	770	1070	568	426	207	128	160
10	88	139	368	390	684	681	1120	564	373	314	124	147
11	88	130	319	345	579	665	809	540	336	293	138	140
12	87	125	263	372	521	620	729	569	301	244	269	137
13	87	122	238	880	484	561	2680	718	273	239	236	146
14	131	184	224	862	452	534	8520	715	255	217	182	170
15	167	202	214	648	431	536	7100	628	240	205	160	205
16	135	132	208	530	414	489	3640	507	236	179	146	168
17	114	131	210	452	392	460	1780	450	231	160	138	160
18	105	240	209	396	420	447	1360	412	225	148	133	189
19	103	289	203	362	451	440	1090	405	216	135	130	426
20	103	203	202	479	489	435	949	387	208	188	127	313
21	103	170	213	1580	813	422	848	378	205	609	126	243
22	103	160	238	1810	1010	407	764	438	213	855	143	447
23	100	150	241	1170	1320	483	710	462	216	708	248	449
24	97	145	243	1290	2550	827	675	441	206	439	324	291
25	97	150	361	1540	4370	703	712	438	209	443	367	247
26	101	160	312	1070	4780	528	1350	389	206	389	459	225
27	106	190	329	757	3050	456	1970	353	198	326	392	386
28	106	250	331	603	1490	422	1710	344	188	292	279	1010
29	104	300	261	521	---	400	1040	396	175	256	247	1510
30	103	250	264	474	---	385	839	980	168	221	284	3200
31	143	---	261	453	---	376	---	666	---	202	251	---
TOTAL	3249	5966	9010	21498	30191	22345	51389	16766	11681	8504	6255	12673
MEAN	106	199	291	693	1078	721	1713	541	389	274	202	422
MAX	167	300	800	1810	4780	2280	8520	980	1400	855	459	3200
MIN	87	122	200	272	352	376	361	344	168	135	124	137
CFSM	.28	.53	.77	1.83	2.85	1.91	4.53	1.43	1.03	.73	.53	1.12
IN.	.32	.59	.89	2.12	2.97	2.20	5.06	1.65	1.15	.84	.62	1.25

CAL YR 1978	TOTAL	151998	MEAN 416	MAX 5570	MIN 83	CFSM 1.10	IN 14.96
WTR YR 1979	TOTAL	199577	MEAN 547	MAX 8520	MIN 87	CFSM 1.45	IN 19.64

ALTAMAHA RIVER BASIN

02207500 YELLOW RIVER NEAR COVINGTON, GA.--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--December 1957 to May 1958, January 1978 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	TEMPER- ATURE (DEG C)	TUR- BID- ITY (NTU)	SEDI- MENT, SUS- PENDED (MG/L)	SEDI- MENT DIS- CHARGE, SUS- PENDED (T/DAY)
MAY 25...	1010	455	18.5	17	34	42
SEP 26...	1410	225	18.5	--	28	17

ALTAMAHA RIVER BASIN

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02207540 YELLOW RIVER AT PORTERDALE, GA.

LOCATION.--Lat 33°34'17", long 83°53'50", Newton County, Hydrologic Unit 03070103, at bridge on State Highway 81 at Porterdale, 0.7 mi (1.1 km) downstream from Beaverdam Creek.

DRAINAGE AREA.--400 mi² (1,040 km²), approximately.

PERIOD OF RECORD.--July 1974 to June 1979 (discontinued).

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	PH (UNITS)	TEMPER- ATURE, AIR (DEG C)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)				
OCT 12...	1130	120	6.8	21.5	16.0	8.2				
NOV 07...	0815	267	6.7	12.0	14.0	8.9				
DEC 06...	1015	1200	6.3	10.0	11.0	9.1				
JAN 09...	1015	496	6.9	-5.0	5.0	11.4				
FEB 08...	0940	1320	6.6	.5	4.0	13.0				
MAR 06...	0835	2100	6.7	6.0	12.0	9.8				
APR 10...	1100	1300	6.9	18.0	15.0	9.4				
30...	0915	852	6.9	21.5	15.0	8.6				
JUN 05...	0740	894	6.9	21.0	20.5	8.3				

DATE	SPF- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	TUR- BID- ITY (JTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, CON- FIRMED (MPN)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LINITY (MG/L AS CAC03)	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 12...	72	19	.3	--	140	23	.52	<.02	.07	2.0
NOV 07...	58	18	1.7	--	230	23	.17	.04	.04	4.0
DEC 06...	49	116	2.4	43000	4300	12	.24	.04	.22	8.0
JAN 09...	52	28	1.7	2300	930	14	.41	.03	.10	2.0
FEB 08...	44	50	1.4	--	4000	10	.44	.05	.12	2.0
MAR 06...	41	82	1.3	9300	930	9	.21	<.02	.04	4.6
APR 10...	42	48	.6	7500	930	11	.28	<.02	.08	4.0
30...	40	23	1.3	2300	430	15	.25	<.02	.04	--
JUN 05...	63	96	3.5	43000	2300	14	.13	<.02	.18	5.3

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 (4.0 km) northwest of Stewart.

DRAINAGE AREA.--440 mi² (1,140 km²), 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, Air Temperature, Water Temperature, pH, and Dissolved Oxygen by U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	PH (UNITS)	TEMPER- ATURE, AIR (DEG C)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
OCT						
12...	1040	135	7.1	25.0	15.5	8.9
NOV						
07...	0945	280	6.7	16.5	13.0	9.1
DEC						
06...	1215	1390	6.4	13.0	11.0	10.0
JAN						
09...	1155	610	6.9	-2.0	5.5	12.0
FEB						
08...	1055	1400	6.7	3.0	5.0	13.2
MAR						
06...	1025	2500	6.8	10.0	13.0	9.5
APR						
10...	1230	1440	6.9	19.5	15.5	10.0
30...	1030	1020	7.0	21.5	15.5	9.2
JUN						
05...	0915	1000	7.1	21.5	21.0	9.2
JUL						
11...	0900	480	6.9	23.0	19.5	7.5
AUG						
15...	1040	170	6.7	27.0	22.5	7.8
SEP						
04...	1530	310	7.0	25.0	24.0	6.5

DATE	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	TUR- BID- ITY (JTU)	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 (MG/L AS CAC03)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDE (MG/L)	NITRO- GEN, N02+N03 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT												
12...	83	16	--	.5	8600	23	10	.66	<.02	--	.32	2.0
NOV												
07...	64	15	--	1.2	230	22	14	.26	.02	--	.14	4.0
DEC												
06...	50	136	--	2.6	4300	12	200	.29	.02	--	.34	7.0
JAN												
09...	54	20	--	.9	430	15	17	.47	.02	--	.13	2.0
FEB												
08...	46	52	--	1.5	9300	10	65	.44	.04	--	.16	<1.0
MAR												
06...	42	99	--	1.7	930	8	66	.22	<.02	--	.05	5.0
APR												
10...	43	56	--	1.4	9300	12	60	.30	<.02	--	.10	5.0
30...	41	25	--	1.2	930	13	28	.27	<.02	--	.07	--
JUN												
05...	51	152	--	1.5	2300	13	211	.31	<.02	--	.39	5.0
JUL												
11...	62	13	8	.6	930	17	24	.52	.04	.30	.16	<1.0
AUG												
15...	65	27	14	.5	430	18	20	.46	.08	.40	.12	2.0
SEP												
04...	56	48	11	<.1	2300	16	27	.38	<.02	.20	.12	2.0

ALTAMAHA RIVER BASIN

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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, 400 ft (122 m) upstream from bridge on Alcovy Road, 600 ft (183 m) upstream from Georgia Railroad trestle, and 6 mi (10 km) northeast of Covington.

DRAINAGE AREA.--185 mi² (479 km²), approximately.

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

GAGE.--Water-stage recorder. Altitude of gage is 650 ft (198 m), from topographic map.

REMARKS.--Records good.

AVERAGE DISCHARGE.--7 years, 280 ft³/s (7.93 m³/s), 20.55 in/yr (522 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 6,530 ft³/s (185 m³/s) Mar. 16, 1976, gage height, 14.79 ft (4.508); minimum daily, 25 ft³/s (0.71 m³/s) Sept. 17, 1972.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 1,800 ft³/s (51.0 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)	Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
Feb. 26	0700	2410 68.3	10.96 3.341	Apr. 14	2400	*4280 121	12.99 3.959

Minimum discharge, 41 ft³/s (1.16 m³/s) Oct. 8.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	57	51	128	133	218	664	199	343	384	85	97	162
2	63	51	115	379	200	513	195	310	380	80	90	202
3	61	52	102	510	189	431	200	285	377	74	83	205
4	54	51	118	399	186	489	422	269	292	70	79	139
5	50	53	300	282	180	641	814	258	308	70	75	122
6	47	55	397	213	193	807	920	255	298	70	73	117
7	44	58	365	203	453	699	694	253	242	84	69	100
8	42	70	273	232	579	499	438	252	258	94	66	89
9	42	74	177	244	490	411	468	256	277	109	64	79
10	43	71	157	222	393	371	581	283	221	140	61	74
11	43	67	151	187	329	364	504	290	187	167	66	69
12	43	66	135	186	284	344	409	267	163	152	100	66
13	43	67	122	370	252	315	1250	313	145	128	113	70
14	51	66	115	483	232	291	4040	503	133	108	96	81
15	66	65	109	397	218	282	3320	324	127	100	81	82
16	72	66	106	309	208	269	1370	280	125	95	74	75
17	60	68	107	243	196	250	812	230	122	82	70	75
18	55	105	107	211	206	236	584	201	120	77	67	87
19	51	134	103	191	221	232	471	187	115	77	66	111
20	51	128	101	235	243	227	405	179	109	96	63	131
21	50	97	110	669	334	221	367	170	108	166	62	113
22	50	82	116	874	453	214	337	189	111	322	73	111
23	50	79	113	805	630	238	313	211	110	348	79	123
24	50	80	128	671	1280	349	292	221	117	363	94	120
25	49	79	175	594	2190	434	305	251	111	265	122	107
26	50	81	180	547	2300	334	500	211	105	209	173	104
27	53	91	148	473	1820	268	661	182	99	188	161	134
28	55	132	125	353	1060	236	666	173	93	155	135	179
29	54	141	114	293	---	219	554	184	90	131	107	424
30	54	130	112	254	---	209	404	291	87	119	105	948
31	52	---	120	235	---	203	---	400	---	109	119	---
TOTAL	1605	2410	4729	11397	15537	11260	22495	8021	5414	4333	2783	4499
MEAN	51.8	80.3	153	368	555	363	750	259	180	140	89.8	150
MAX	72	141	397	874	2300	807	4040	503	384	363	173	948
MIN	42	51	101	133	180	203	195	170	87	70	61	66
CFSM	.28	.43	.83	1.99	3.00	1.96	4.05	1.40	.97	.76	.49	.81
IN.	.32	.48	.95	2.29	3.12	2.26	4.52	1.61	1.09	.87	.56	.90

CAL YR 1978	TOTAL	75566	MEAN	207	MAX	2720	MIN	32	CFSM	1.12	IN	15.19
WTR YR 1979	TOTAL	94483	MEAN	259	MAX	4040	MIN	42	CFSM	1.40	IN	19.00

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 (4.2 km) northeast of Stewart.

DRAINAGE AREA.--250 mi² (650 km²), 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 Air Temperature, Water Temperature, pH, and Dissolved Oxygen by U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	PH (UNITS)	TEMPER- ATURE, AIR (DEG C)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
OCT 12...	1010	7.2	26.0	15.0	9.1
NOV 07...	1010	7.2	18.0	13.5	9.8
DEC 05...	1240	6.5	14.0	11.0	10.2
JAN 09...	1225	6.8	1.0	5.0	12.2
FEB 08...	1230	6.2	5.0	4.0	12.8
MAR 06...	1115	6.7	11.5	13.0	9.2
APR 10...	1300	6.9	19.0	16.0	9.8
30...	1100	7.0	22.5	15.0	8.8
JUN 05...	0930	7.2	23.0	20.5	9.0
JUL 11...	0830	7.0	22.0	19.0	6.9
AUG 15...	1020	7.1	26.0	23.0	8.5
SEP 05...	0930	7.0	24.0	23.0	7.6

DATE	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	TUR- BID- ITY (JTU)	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 (MG/L AS CAC03)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDE (MG/L)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 12...	58	22	--	.7	230	22	15	.43	<.02	--	.04	2.0
NOV 07...	56	13	--	.8	230	25	--	.04	<.02	--	.04	4.0
DEC 05...	47	32	--	1.7	2300	12	36	.26	<.02	--	.10	6.0
JAN 09...	41	10	--	.8	430	11	3	.33	<.02	--	.06	2.0
FEB 08...	34	30	--	1.3	1500	9	26	.36	.04	--	.08	<1.0
MAR 06...	37	25	--	1.5	1200	9	14	.19	<.02	--	.03	4.6
APR 10...	36	22	--	.7	930	14	14	.16	<.02	--	.05	7.0
30...	35	17	--	1.1	40	13	10	.16	<.02	--	.04	--
JUN 05...	51	19	--	.8	230	16	15	.24	<.02	--	.06	3.8
JUL 11...	51	14	22	.4	230	17	18	.14	<.02	.30	.06	1.5
AUG 15...	54	21	5	.4	30	18	16	.35	.02	.20	.03	<1.0
SEP 05...	47	33	12	.6	230	9	9	.24	<.02	.20	.05	3.0

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 (152 m) upstream from bridge on State Highway 16, 0.5 mi (0.8 km) upstream from Yellow Water Creek, 1 mi (1.6 km) downstream from Lloyd Shoals Dam, and 7 mi (11 km) east of Jackson.

DRAINAGE AREA.--1,420 mi² (3,680 km²), approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--May 1906 to September 1915, August 1939 to September 1960, October 1975 to current year. Water years 1920, 1961-65 (annual maximum only).

GAGE.--Water-stage recorder. Datum of gage is 419.29 ft (127.800 m) National Geodetic Vertical Datum of 1929. Prior to Jan. 1, 1913, staff gage, Jan. 1 to Dec. 31, 1913, water-stage recorder, Jan. 1, 1914, to Dec. 31, 1915, staff gage, and August 1939 to September 1960, water-stage recorder, all at present site and datum.

REMARKS.--Records fair. Flow regulated by Lloyd Shoals Reservoir. (See "Lakes and Reservoirs in Altamaha River Basin," station 02210000.)

AVERAGE DISCHARGE.--34 years (1906-15, 1939-60, 1975-79), 1,731 ft³/s (49.0 m³/s), 16.55 in/yr (420 mm/yr), unadjusted.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 56,600 ft³/s (1,600 m³/s) Nov. 28, 1948, gage height, 23.9 ft (7.28 m); minimum daily, 18 ft³/s (0.51 m³/s) Nov. 20, 1910.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known, 26.8 ft (8.17 m) Dec. 11, 1919, from graph based on gage readings, discharge, 69,000 ft³/s (1,950 m³/s), by computation of flow over dam.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 31,900 ft³/s (903 m³/s) Apr. 15, gage height, 16.67 ft (5.081 m); minimum daily, 334 ft³/s (9.46 m³/s) Nov. 5.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	651	335	502	550	2060	5820	1270	2590	2580	529	534	1470
2	637	337	721	1810	2030	3030	1300	1790	2590	539	532	2130
3	630	338	522	2030	1440	2930	2230	1990	2350	551	542	1880
4	655	338	1120	1940	1760	4140	4190	1930	1940	575	520	1580
5	625	334	1260	1550	1900	4780	8410	2200	1870	545	527	1000
6	656	358	2320	1360	1950	6020	8970	678	1770	540	570	570
7	629	355	2780	1630	2850	5570	5020	2090	601	558	523	580
8	626	356	1630	2240	3240	3280	3380	1730	1810	540	600	560
9	603	350	1560	1520	2690	3130	10000	1820	1220	571	560	541
10	616	348	570	1660	2930	3220	7250	1750	1140	1010	523	560
11	464	414	862	1660	2870	3340	3530	2260	1620	1020	541	600
12	385	415	1360	1720	2090	3370	3970	1620	604	1170	525	1830
13	411	392	865	1770	2510	3390	5060	1960	819	494	532	1430
14	420	365	1440	2180	2710	3370	13800	2660	582	514	716	590
15	454	370	1240	2390	2860	3430	30300	1570	790	517	746	570
16	473	371	550	1880	2940	3320	19100	1720	561	506	727	541
17	527	373	500	2000	2930	3340	10100	1370	565	683	620	580
18	501	368	564	1980	2040	669	5200	1190	924	518	560	630
19	458	373	820	1980	1750	922	3440	1200	632	537	580	580
20	427	560	822	2300	2210	608	3400	1460	584	948	590	600
21	423	1040	798	3320	3110	612	3340	2080	736	1180	610	1100
22	430	1130	520	3040	3130	612	3150	1490	521	2490	592	620
23	423	1100	520	3040	3700	1980	1530	1280	567	2640	630	615
24	421	1190	520	3140	7060	3040	1860	1740	580	2290	1560	860
25	404	1060	530	3450	17000	2360	2350	930	558	1140	1950	630
26	380	651	938	3330	16000	1630	3370	944	644	1550	2160	620
27	364	1110	922	2960	9850	632	3400	1050	555	522	1430	1880
28	364	755	1200	2960	8200	669	3340	1010	550	523	1100	1890
29	355	1310	905	2920	---	551	3200	1430	550	534	1130	2950
30	351	1560	805	2870	---	1180	3000	1600	556	968	1830	4930
31	335	---	550	2010	---	1630	---	1780	---	1130	1380	---
TOTAL	15098	18356	30216	69190	115810	82575	178460	50912	31369	27832	25940	34917
MEAN	487	612	975	2232	4136	2664	5949	1642	1046	898	837	1164
MAX	656	1560	2780	3450	17000	6020	30300	2660	2590	2640	2160	4930
MIN	335	334	500	550	1440	551	1270	678	521	494	520	541
MEAN†	359	624	1047	2362	4341	2599	5949	1655	1063	918	821	1298
CFSM†	0.25	0.44	0.74	1.66	3.06	1.83	4.19	1.17	0.75	0.65	0.58	0.91
IN†	0.29	0.49	0.85	1.91	3.19	2.11	4.68	1.35	0.84	0.75	0.67	1.02
CAL YR 1978 TOTAL	578448			MEAN 1585	MAX 23100	MIN 334	MEAN+ 1579	CFSM+ 1.11	IN+ 15.07			
WTR YR 1979 TOTAL	680675			MEAN 1865	MAX 30300	MIN 334	MEAN+ 1896	CFSM+ 1.34	IN+ 18.19			

† ADJUSTED FOR CHANGE IN CONTENTS IN LLOYD SHOALS RESERVOIR.

ALTAMAHA RIVER BASIN

02210500 OCMULGEE RIVER NEAR JACKSON, GA.--Continued

WATER-QUALITY RECORDS

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	PH (UNITS)	TEMPER- ATURE, AIR (DEG C)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)				
OCT										
12...	0935	502	7.0	20.5	20.5	2.8				
NOV										
07...	1100	345	6.5	19.0	17.0	4.0				
DEC										
06...	1330	2880	6.4	14.5	15.5	5.6				
JAN										
09...	1345	2430	6.9	1.0	7.0	10.8				
FEB										
08...	1215	2980	6.4	5.0	5.0	10.6				
MAR										
06...	1200	6020	6.8	12.0	11.5	10.0				
APR										
10...	1400	3700	7.0	22.0	16.0	10.0				
30...	1200	2930	6.7	21.0	18.5	6.6				
JUN										
05...	1025	2330	7.1	25.5	20.5	7.5				
JUL										
11...	0745	590	6.8	20.0	22.0	5.2				
AUG										
15...	0940	661	6.3	27.0	26.0	2.4				
SEP										
05...	1030	560	--	25.0	27.5	3.6				

DATE	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	TUR- BID- ITY (JTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, FC BROTH (MPN)	ALKA- LITY (MG/L AS CAC03)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDE (MG/L)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT										
12...	100	11	2.3	<30	28	3	.61	.34	.12	4.0
NOV										
07...	97	7	1.5	<30	26	--	.70	.07	.14	5.0
DEC										
06...	95	7	2.2	40	24	3	.62	.28	.22	4.0
JAN										
09...	72	9	2.0	90	18	<1	.82	.17	.25	2.0
FEB										
08...	55	22	.9	40	12	17	.62	.19	.14	<1.0
MAR										
06...	48	54	1.2	230	10	15	.38	.06	.15	4.8
APR										
10...	47	46	1.0	390	12	20	.38	.04	.12	6.0
30...	46	29	1.0	70	12	12	.37	.08	.10	--
JUN										
05...	77	10	1.2	40	18	8	.51	.13	.13	3.8
JUL										
11...	76	6	1.5	40	23	11	.13	.17	.14	2.0
AUG										
15...	73	11	1.3	<30	22	7	.23	.37	.10	2.0
SEP										
05...	79	8	2.3	860	21	--	.18	.08	.09	1.5

ALTAMAHA RIVER BASIN

101

02211459 BIG TOWALIGA CREEK NEAR BARNESVILLE, GA.

LOCATION.--Lat 33°04'20", long 84°22'04", Lamar County, Hydrologic Unit 03070103, on right bank 26 ft (7.9 m) upstream from culvert on county road, 2.1 mi (3.4 km) northwest of Barnesville, and 6.2 mi (10.0 km) upstream from Little Towaliga River.

DRAINAGE AREA.--2.36 mi² (6.11 km²).

PERIOD OF RECORD.--Annual maximum, water years 1969-74, October 1974 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 695 ft (212 m), from topographic map.

REMARKS.--Records fair.

AVERAGE DISCHARGE.--5 years, 3.64 ft³/s (0.103 m³/s), 20.95 in/yr (532 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 761 ft³/s (21.6 m³/s) Nov. 5, 1977, gage height, 8.48 ft (2.585 m); minimum daily, 0.48 ft³/s (0.014 m³/s) July 23, 1978.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 180 ft³/s (5.10 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
Feb. 24	0930	*273 7.73	5.65 1.722

Minimum daily, 0.51 ft³/s (0.014 m³/s) Oct. 6.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.77	1.1	1.2	1.7	1.6	4.8	2.0	2.5	2.2	.78	.88	.90
2	.67	1.1	1.2	1.0	1.5	4.1	1.9	2.3	1.8	.77	.84	.81
3	.66	1.1	1.2	2.9	1.7	4.2	4.3	2.4	1.8	.76	.80	.79
4	.90	1.1	2.6	2.0	2.5	10	37	2.5	1.6	.78	.77	.86
5	.53	1.1	2.6	1.6	1.8	6.1	11	2.4	1.6	.82	.76	.96
6	.51	1.2	1.2	1.5	11	4.9	6.6	2.1	1.5	.86	.75	.85
7	.55	1.7	1.2	2.6	13	4.3	4.9	2.2	1.5	.91	.75	.75
8	.61	1.3	1.1	2.4	6.2	4.1	4.7	2.2	1.9	.96	.74	.70
9	.62	1.3	1.3	1.8	4.4	3.8	6.6	2.2	1.6	1.1	.74	.65
10	.61	1.3	1.2	1.7	3.5	3.5	4.5	2.0	1.4	2.2	.73	.62
11	.61	1.3	1.2	1.6	3.0	5.7	3.9	2.1	1.2	1.8	.80	.58
12	.55	1.3	1.2	2.5	2.7	4.0	3.7	2.2	.97	1.7	.94	.64
13	.57	1.3	1.1	2.9	2.5	3.5	23	2.0	.95	1.3	.84	.71
14	.65	1.3	1.1	2.4	2.4	3.5	13	1.8	.95	.78	.78	.81
15	.70	1.3	1.1	1.9	2.2	3.3	7.1	1.7	.97	.70	.76	.75
16	.70	1.4	1.1	1.8	2.2	3.1	5.1	1.6	.95	.70	.73	.85
17	.70	1.3	1.2	1.7	2.0	3.1	4.2	1.5	.93	.73	.73	1.7
18	.76	1.7	1.2	1.6	3.0	3.0	3.6	1.6	.92	.82	.77	1.2
19	.82	1.5	1.1	1.5	3.5	2.8	3.3	1.5	.91	5.2	.73	.90
20	.85	1.5	1.0	13	5.4	2.7	2.7	1.5	.91	13	.74	.85
21	.85	1.3	1.2	8.3	25	2.7	3.3	1.4	1.2	8.2	1.0	.90
22	.86	1.3	1.2	4.1	14	2.8	3.1	1.4	1.1	4.0	.99	.90
23	.92	1.3	1.1	3.7	18	6.5	2.4	1.5	.93	1.7	1.4	.85
24	.97	1.3	2.8	7.5	73	4.3	2.1	1.7	.90	1.8	.99	.85
25	1.0	1.2	1.4	3.8	18	3.4	9.8	1.4	1.0	1.6	1.1	.90
26	1.0	1.2	1.2	3.0	11	2.9	8.5	1.4	.94	1.4	1.3	1.0
27	1.0	2.4	1.0	2.8	8.3	2.6	5.6	1.4	.91	1.3	.85	3.1
28	1.0	1.3	1.0	2.3	6.7	2.5	4.0	1.5	.88	1.1	.83	1.2
29	1.0	1.6	1.0	1.9	---	3.2	3.2	1.8	.84	1.0	.82	3.7
30	1.0	1.7	1.1	1.8	---	2.5	2.8	1.6	.80	.94	.82	18
31	1.1	---	1.0	1.9	---	2.1	---	2.0	---	.92	.99	---
TOTAL	24.04	40.8	40.1	100.2	250.1	120.0	197.9	57.4	36.06	60.63	26.67	48.28
MEAN	.78	1.36	1.29	3.23	8.93	3.87	6.60	1.85	1.20	1.96	.86	1.61
MAX	1.1	2.4	2.8	13	73	10	37	2.5	2.2	13	1.4	18
MIN	.51	1.1	1.0	1.5	1.5	2.1	1.9	1.4	.80	.70	.73	.58
CFSM	.33	.58	.55	1.37	3.78	1.64	2.80	.78	.51	.83	.36	.68
IN.	.38	.64	.63	1.58	3.94	1.89	3.12	.90	.57	.96	.42	.76
CAL YR 1978	TOTAL	1035.85	MEAN	2.84	MAX	100	MIN	.48	CFSM	1.20	IN	16.32
WTR YR 1979	TOTAL	1002.18	MEAN	2.75	MAX	73	MIN	.51	CFSM	1.17	IN	15.79

ALTAMAHA RIVER BASIN

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 (1.4 km) downstream from Juliette Mills at Juliette, and 2.5 mi (4.0 km) downstream from Towaliga River.

DRAINAGE AREA.--1,960 mi² (5,080 km²).

PERIOD OF RECORD.--June 1916 to September 1921, July 1974 to current year.

REVISED RECORDS.--WSP 1724: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 340.97 ft (103.928 m) National Geodetic Vertical Datum of 1929.

REMARKS.--Records good. Flow regulated by Lloyd Shoals Reservoir. (See "Lakes and Reservoirs in Altamaha River Basin," station 02210000.)

AVERAGE DISCHARGE.--10 years (1916-21, 1974-79), 2,742 ft³/s (77.7 m³/s), 19.00 in/yr (483 mm/yr), unadjusted.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 52,900 ft³/s (1,500 m³/s) Dec. 11, 1919, gage height, 30.8 ft (9.39 m); minimum daily, 365 ft³/s (10.3 m³/s) Nov. 4, 1978.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known, about 32 ft (9.75 m) in May 1886, from floodmarks, discharge, 55,800 ft³/s (1,580 m³/s).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 29,900 ft³/s (847 m³/s) Apr. 16, gage height, 20.97 ft (6.392 m); minimum daily, 365 ft³/s (10.3 m³/s) Nov. 4.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	754	441	1070	843	2460	8260	1700	3750	3200	850	1140	1640
2	757	452	720	2470	2430	4580	1890	2580	3380	816	756	2070
3	737	449	934	3410	2230	4000	1940	2740	2990	808	761	2310
4	742	365	1040	2730	1940	5040	7600	2540	3200	826	739	2170
5	738	419	1630	2410	2050	6620	12000	2700	2450	836	689	1300
6	747	476	2490	2070	2590	7150	12800	2480	2630	849	770	946
7	729	466	3190	2090	7070	6880	6940	2400	1510	836	754	736
8	724	456	2220	3020	5830	5210	4810	2720	1910	823	787	739
9	718	448	1980	2170	4450	3670	15100	2570	1810	855	748	713
10	713	455	1360	2050	3730	4000	15600	2480	1690	976	789	727
11	684	423	1180	1940	3630	4340	6850	2730	2190	1440	746	681
12	528	521	1390	2090	2760	4290	4930	2510	1230	1940	754	1310
13	490	535	1510	2200	3040	4200	6640	3180	1030	933	726	2200
14	509	488	1390	2900	3050	4120	12400	3710	1040	862	800	760
15	547	470	1740	3070	3290	4110	24700	2290	887	823	850	748
16	613	456	1010	2220	3360	3970	26800	2340	1100	793	822	692
17	704	463	783	2440	3310	4050	14100	1870	854	786	798	785
18	737	458	815	2420	3210	2090	8020	1640	880	983	721	895
19	716	526	1020	2330	1960	1470	4600	1570	1290	814	718	867
20	672	548	1100	2600	2390	1170	4370	1970	915	945	727	851
21	643	1030	1090	7090	5610	1140	4220	2090	880	1480	739	983
22	661	1160	810	5170	7080	1110	4090	2280	1080	3170	763	1080
23	699	1210	768	4140	7730	1800	2290	1690	1010	3590	924	767
24	556	1320	827	4610	17700	4130	2720	1920	954	3110	1370	842
25	528	1180	949	4780	24100	3590	2920	1600	935	2010	2180	971
26	504	1030	1300	4350	22500	2530	6080	1490	882	2050	2760	767
27	476	1090	1280	3750	15500	1320	5250	1020	1010	1350	2200	1770
28	420	1090	1410	3590	9140	1170	4660	1370	880	897	1430	2430
29	470	1340	1400	3490	---	1060	4340	1680	867	842	1250	3260
30	495	1900	1130	3400	---	1230	3880	2150	861	984	1860	4500
31	466	---	879	2600	---	2110	---	2010	---	1340	2100	---
TOTAL	19477	21665	40415	94443	174140	110410	234240	70070	45545	39617	33171	40510
MEAN	628	722	1304	3047	6219	3562	7808	2260	1518	1278	1070	1350
MAX	757	1900	3190	7090	24100	8260	26800	3750	3380	3590	2760	4500
MIN	420	365	720	843	1940	1060	1700	1020	854	786	689	681

CAL YR 1978 TOTAL 756865 MEAN 2074 MAX 29500 MIN 365 MEAN† 2068 CFSM† 1.06 IN† 14.39
WTR YR 1979 TOTAL 923703 MEAN 2531 MAX 26800 MIN 365 MEAN† 2562 CFSM† 1.31 IN† 17.78

† ADJUSTED FOR CHANGE IN CONTENTS IN LLOYD SHOALS RESERVOIR.

ALTAMAHA RIVER BASIN

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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 (30 m) upstream from highway bridge, 4 mi (6.4 km) upstream from Caney Creek, and 5.1 mi (8.2 km) east of Juliette.
DRAINAGE AREA.--72.2 mi² (187 km²).

WATER-DISCHARGE RECORDS

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

GAGE.--Water-stage recorder. Altitude of gage is 370 ft (113 m), from topographic map.

REMARKS.--Records good.

AVERAGE DISCHARGE.--15 years, 68.0 ft³/s (1.93 m³/s), 12.79 in/yr (325 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 7,700 ft³/s (218 m³/s) Mar. 2, 1971, gage height, 23.0 ft (7.010 m), from floodmark; minimum, 0.14 ft³/s (0.004 m³/s) Sept. 29, 30, 1972.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 1,100 ft³/s (31.2 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)	Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
Feb. 7	1245	1120 31.7	10.74 3.274	Apr. 4	2045	1850 52.4	13.63 4.154
Feb. 24	1630	*3480 98.6	17.95 5.471	Apr. 9	1500	1330 37.7	11.61 3.539

Minimum discharge, 1.1 ft³/s (0.031 m³/s) Oct. 15.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.9	1.7	10	13	36	94	35	37	38	4.9	5.5	14
2	2.6	1.7	6.7	250	33	79	33	33	27	4.9	4.3	12
3	2.6	1.7	4.6	167	32	67	33	30	21	4.9	3.5	10
4	4.7	1.7	5.2	61	39	89	1010	29	20	4.8	3.2	9.1
5	2.2	1.7	38	42	38	97	732	28	17	5.1	2.9	9.0
6	1.8	1.7	30	34	115	69	175	44	15	5.2	2.8	8.3
7	1.7	1.8	16	40	959	58	95	40	14	5.2	2.5	7.0
8	1.6	1.9	12	67	303	53	72	42	25	5.3	2.3	6.1
9	1.6	2.7	14	50	131	48	1050	41	31	7.2	2.2	5.3
10	1.5	2.9	20	37	81	45	320	42	19	15	2.0	4.6
11	1.3	2.8	14	31	63	75	136	53	14	18	2.2	4.3
12	1.2	2.7	10	30	55	72	92	60	11	13	3.4	4.6
13	1.2	2.6	9.0	41	49	58	169	276	9.1	9.5	3.3	4.9
14	1.2	2.5	8.4	39	44	56	536	96	8.1	8.6	3.5	5.5
15	1.2	2.6	8.7	33	42	59	180	53	7.6	7.2	3.5	5.5
16	1.2	2.9	7.4	27	39	49	95	40	7.7	5.8	2.5	4.9
17	1.4	2.9	8.4	25	38	44	67	32	7.5	5.7	2.4	14
18	1.5	3.0	8.7	22	47	41	54	27	6.9	6.6	2.2	24
19	1.7	3.5	8.4	20	52	40	47	23	6.3	6.8	2.1	17
20	1.7	3.0	8.0	72	61	38	41	22	5.9	12	2.0	12
21	1.6	2.6	10	551	485	36	36	21	6.0	107	1.8	10
22	1.5	2.5	16	173	659	35	33	20	6.3	32	1.9	12
23	1.4	2.7	12	81	1120	158	31	18	6.1	23	8.9	11
24	1.4	3.1	17	219	2350	277	29	27	5.9	34	176	9.3
25	1.4	3.0	41	141	1160	112	56	24	6.4	31	43	11
26	1.5	2.8	29	78	336	71	249	19	6.3	20	108	18
27	5.8	3.7	20	61	178	57	138	16	5.7	14	63	68
28	2.0	22	16	51	120	49	71	14	5.3	9.8	71	62
29	1.9	12	13	43	---	44	51	15	5.0	7.6	37	38
30	1.8	10	12	38	---	40	42	22	4.9	6.6	22	28
31	1.7	---	12	38	---	37	---	22	---	5.6	14	---
TOTAL	58.8	112.4	445.5	2575	8665	2147	5708	1266	369.0	446.3	604.9	449.4
MEAN	1.90	3.75	14.4	83.1	309	69.3	190	40.8	12.3	14.4	19.5	15.0
MAX	5.8	22	41	551	2350	277	1050	276	38	107	176	68
MIN	1.2	1.7	4.6	13	32	35	29	14	4.9	4.8	1.8	4.3
CFSM	.03	.05	.20	1.15	4.28	.96	2.63	.57	.17	.20	.27	.21
IN.	.03	.06	.23	1.33	4.46	1.11	2.94	.65	.19	.23	.31	.23

CAL YR 1978	TOTAL	19221.5	MEAN	52.7	MAX	2250	MIN	1.2	CFSM	.73	IN	9.90
WTR YR 1979	TOTAL	22847.3	MEAN	62.6	MAX	2350	MIN	1.2	CFSM	.87	IN	11.77

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 (discontinued).

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.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURES: Maximum, 27.5°C July 31, Aug. 1; minimum, 0.5°C Feb. 18.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)						
OCT												
02...	0700	2.6	148	7.2	16.0	9.4						
NOV												
14...	0900	2.6	148	7.9	14.5	8.8						
DEC												
05...	0800	43	138	7.5	13.5	9.6						
JAN												
16...	0815	28	97	7.2	3.0	13.1						
FEB												
13...	0830	50	78	6.4	6.0	11.4						
MAR												
06...	0830	71	78	6.8	12.5	9.6						
APR												
10...	0800	340	57	6.2	14.0	9.0						
MAY												
21...	0715	22	116	7.1	19.5	8.1						
JUL												
26...	1210	20	112	7.5	24.0	8.0						
AUG												
07...	0730	2.5	148	7.2	23.0	7.5						
28...	0700	78	87	7.1	24.0	7.2						
SEP												
04...	0900	9.0	125	7.2	23.5	7.5						

DATE	TUR- BID- ITY (NTU)	COLI- FORM, FFCAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD- NESS (MG/L AS CAC03)	HARD- NESS, NONCAR- BONATE (MG/L CAC03)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LINITY (MG/L AS CAC03)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)
OCT												
02...	--	900	500	58	0	13	6.1	8.3	1.4	68	1.0	3.4
NOV												
14...	2.0	260	220	57	0	12	6.5	10	2.3	70	2.2	4.9
DEC												
05...	15	1900	1100	44	0	8.7	5.3	11	2.5	49	7.6	5.9
JAN												
16...	5.0	210	250	36	6	7.5	4.3	7.3	1.2	30	11	5.0
FEB												
13...	20	400	230	25	0	5.4	2.8	4.7	1.0	25	6.6	3.3
MAR												
06...	25	100	440	25	0	5.4	2.8	4.8	1.4	36	6.6	3.0
APR												
10...	45	350	600	20	5	4.3	2.2	3.0	.8	15	3.5	2.0
MAY												
21...	9.0	240	720	46	0	10	5.1	6.6	1.0	51	2.0	2.6
JUL												
26...	--	340	430	0	0	--	--	--	--	61	3.9	3.6
AUG												
07...	--	10	520	57	0	13	6.0	8.8	1.4	65	1.3	3.7
28...	45	1200	2700	29	0	6.6	3.1	5.4	.8	35	6.1	3.1
SEP												
04...	7.0	220	430	46	0	10	5.1	7.9	1.3	59	4.9	3.3

02212600 FALLING CREEK NEAR JULIETTE, GA.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	FLUORIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER DAY)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	CYANIDE TOTAL (MG/L AS CN)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L)	SEDI- MENT, SUS- PENDED (MG/L)	SEDI- MENT DIS- CHARGE, SUS- PENDED (T/DAY)	SED. SUSP. SIEVE DIAM. & FINER THAN .062 MM
OCT 02...	.3	23	102	97	.72	.02	.00	.00	--	--	--	--
NOV 14...	.5	23	101	103	.71	.01	.01	--	--	6	.04	68
DEC 05...	.7	18	95	89	11.0	.00	.07	--	--	54	6.3	94
JAN 16...	.4	18	71	73	5.37	.09	.01	--	--	8	.60	100
FEB 13...	.2	16	66	55	8.91	.03	.03	--	--	19	2.6	100
MAR 06...	.2	16	66	62	12.7	.01	.03	.00	--	19	3.6	100
APR 10...	.2	14	57	39	52.3	.01	.07	--	--	95	87	90
MAY 21...	.4	21	85	79	5.05	.07	.00	--	--	7	.42	85
JUL 26...	.7	--	91	45	4.91	.05	.03	--	--	--	--	--
AUG 07...	.5	25	103	99	.70	.08	.02	--	.00	--	--	--
SEP 28...	.6	17	78	64	16.4	.11	.08	--	--	69	15	88
SEP 04...	.8	22	101	91	2.45	.05	.02	--	--	12	.29	48

DATE	ARSENIC TOTAL (UG/L AS AS)	BARIUM, TOTAL RECOV- ERABLE (UG/L AS BA)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	SELE- NIUM, TOTAL (UG/L AS SE)	SILVER, TOTAL RECOV- ERABLE (UG/L AS AG)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)
OCT 02...	0	0	3	10	1	670	6	490	<.5	0	1	0
MAR 06...	0	100	0	10	2	1500	2	110	<.5	0	0	0

DATE	PCB, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDD, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- ELDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR EPOXIDE TOT. IN BOT- TOM MA- TERIAL (UG/KG)	LINDANE TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	TOXA- PHENE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
AUG 07...	2	.0	0	.0	.0	.0	.0	.0	.0	.0	.0	0

DATE	GROSS ALPHA, DIS- SOLVED (UG/L AS U-NAT)	GROSS ALPHA, DIS- SOLVED (PCI/L AS U-NAT)	GROSS ALPHA, SUSP. TOTAL (UG/L AS U-NAT)	GROSS ALPHA, SUSP. TOTAL (PCI/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)
AUG 07...	<1.3	<.9	<.4	<.3	2.6	<.4	2.4	<.4	.05	.03

ALTA MAHA RIVER BASIN

02212600 FALLING CREEK NEAR JULIETTE, GA.--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	21.0	17.5	19.5	11.5	14.0	12.0	12.5	10.0	8.0	5.0	12.5	9.5
2	20.5	16.0	19.5	11.0	12.0	10.0	12.0	9.0	7.0	3.5	13.0	10.5
3	20.5	15.5	18.0	10.0	12.0	9.5	10.0	6.5	7.5	5.0	13.5	12.5
4	20.0	16.0	17.5	9.5	16.0	12.0	8.0	4.0	9.5	6.5	14.5	14.0
5	21.5	16.5	17.0	8.5	14.0	11.5	6.5	3.5	9.0	7.0	15.5	13.5
6	20.0	13.0	16.5	8.5	12.0	9.0	8.5	5.5	8.0	5.0	14.5	12.0
7	18.5	10.0	13.5	9.5	12.5	9.0	10.5	7.5	6.0	4.5	13.5	10.0
8	18.0	8.5	15.0	13.0	16.5	12.0	10.5	7.0	7.5	5.5	12.5	10.5
9	17.0	8.0	15.5	13.0	18.5	10.5	7.0	4.0	7.0	5.0	13.0	8.5
10	19.5	13.0	17.0	14.5	10.0	6.5	5.0	2.5	5.5	3.5	12.5	9.5
11	20.0	10.5	17.0	13.5	7.5	5.5	5.5	2.5	6.0	3.0	13.0	10.5
12	20.0	11.5	16.0	11.5	7.0	4.5	6.0	5.5	7.0	4.0	13.0	9.0
13	20.0	14.0	16.5	11.5	7.0	4.0	7.0	6.0	8.5	6.0	14.5	10.0
14	19.5	12.5	17.5	14.0	7.0	5.0	7.5	5.5	9.0	6.0	16.0	13.0
15	17.5	9.0	18.0	15.0	6.5	4.0	5.5	3.5	12.0	8.5	15.0	11.5
16	17.0	7.0	18.0	15.0	9.0	5.5	5.5	2.5	12.5	10.5	13.5	10.5
17	16.0	8.5	18.5	16.0	9.0	6.5	7.0	3.5	10.0	7.0	15.0	10.5
18	15.5	8.0	19.0	15.0	7.5	4.5	10.5	7.0	7.0	.5	15.5	11.0
19	16.5	8.5	15.5	12.0	10.5	7.0	9.5	7.0	4.5	1.0	17.5	12.0
20	17.0	9.0	15.0	12.0	13.5	10.5	10.0	8.0	6.0	2.5	19.0	14.5
21	17.5	9.0	14.5	10.5	14.0	10.5	10.0	8.5	5.5	4.5	19.0	16.5
22	19.0	10.0	14.5	10.5	10.0	7.5	9.0	7.5	8.0	5.5	18.0	17.0
23	19.5	10.5	15.5	13.0	8.0	5.5	8.0	6.0	9.5	8.5	17.0	16.5
24	19.0	11.5	16.0	13.0	8.5	7.5	8.5	6.5	11.5	9.0	16.5	13.5
25	20.0	14.0	14.0	11.0	9.5	7.5	6.5	5.0	12.5	11.5	14.0	11.5
26	20.0	14.5	13.5	9.5	8.0	5.5	5.5	4.5	11.0	7.5	14.0	10.0
27	18.0	15.0	14.0	11.5	7.5	5.5	7.0	5.5	9.0	6.5	15.5	10.5
28	20.0	16.0	15.0	14.0	7.0	5.0	6.5	5.0	10.0	7.5	17.5	12.5
29	19.5	16.5	14.0	12.5	6.5	5.0	6.0	4.0	---	---	18.5	14.0
30	19.5	15.0	13.0	12.0	8.0	6.0	6.5	3.5	---	---	19.0	15.0
31	19.5	14.5	---	---	10.5	7.5	8.5	6.0	---	---	18.5	15.5
MONTH	21.5	7.0	19.5	8.5	18.5	4.0	12.5	2.5	12.5	.5	19.0	8.5
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER		
1	20.5	16.0	19.0	15.5	23.0	21.0	24.0	20.0	27.5	24.0	25.0	23.0
2	20.0	17.0	19.5	16.0	23.5	21.5	24.5	19.5	26.5	24.0	25.0	23.0
3	19.5	17.0	20.5	17.5	23.5	22.0	25.5	21.5	26.5	23.0	25.0	23.0
4	18.0	15.5	21.5	19.5	24.0	21.5	26.5	22.5	27.0	24.0	24.0	23.0
5	17.5	15.5	21.0	19.5	23.5	20.5	25.5	22.0	27.0	23.5	25.5	22.5
6	17.0	14.5	21.0	18.0	22.5	21.5	23.0	22.0	26.5	23.5	25.5	23.0
7	18.0	14.5	21.5	19.5	24.0	21.5	22.5	21.5	27.0	23.0	25.0	23.0
8	17.0	15.5	21.0	20.0	24.0	22.0	21.5	20.5	27.0	23.5	24.5	22.0
9	18.0	15.0	22.5	20.5	25.0	22.5	21.5	20.5	27.0	23.5	23.5	21.5
10	17.5	14.5	23.0	21.5	24.5	22.0	21.5	21.0	26.5	22.5	22.5	19.5
11	18.0	17.0	22.5	21.5	24.5	22.0	22.0	20.5	26.0	22.5	22.5	19.0
12	19.0	17.5	23.0	21.0	22.5	19.5	23.0	21.5	24.5	22.0	23.0	21.5
13	18.5	17.0	22.5	21.0	22.0	18.5	26.0	22.5	23.5	20.0	24.0	22.5
14	19.5	17.0	22.0	20.5	21.0	19.0	26.0	22.5	24.0	19.5	24.0	22.0
15	18.5	16.0	22.0	19.0	20.0	18.5	25.5	23.0	24.5	19.0	23.0	20.5
16	18.5	15.5	22.0	19.0	21.0	18.5	27.0	23.0	24.0	20.5	22.0	20.5
17	19.0	15.5	21.5	19.0	22.0	19.0	26.0	22.0	23.0	20.5	20.5	20.0
18	19.0	15.5	21.0	18.0	23.5	19.0	24.0	22.5	24.0	19.0	20.5	20.0
19	18.5	15.0	21.0	17.5	22.5	20.0	24.5	21.0	25.0	19.0	22.0	20.0
20	19.5	15.5	22.0	19.0	22.5	20.5	25.0	21.0	25.0	21.0	21.5	20.5
21	20.0	16.0	23.0	20.0	23.5	20.0	24.0	22.5	25.0	21.5	22.5	21.5
22	20.5	17.5	23.0	20.0	24.0	20.5	25.0	22.0	24.0	20.5	22.5	20.5
23	20.5	18.5	21.5	20.5	22.5	21.5	26.0	23.0	24.0	22.0	20.0	18.5
24	20.0	18.5	22.5	20.5	24.0	21.0	25.0	22.5	24.0	23.0	19.5	18.5
25	19.5	18.5	20.0	16.5	22.0	20.5	25.0	23.0	24.5	23.5	18.0	18.0
26	19.0	18.5	18.5	15.0	21.0	20.0	24.5	22.5	24.5	23.0	19.0	18.0
27	19.5	18.5	19.0	15.0	21.5	19.5	25.5	22.5	25.0	23.5	20.0	19.0
28	19.0	17.0	20.5	17.5	21.5	19.0	25.5	22.0	25.0	24.0	21.5	20.0
29	17.5	14.5	20.5	19.0	22.0	19.0	26.5	22.5	25.5	23.5	22.0	21.5
30	18.5	14.5	22.0	19.0	23.5	20.0	26.0	22.5	25.5	23.0	22.0	20.5
31	---	---	21.5	20.5	---	---	27.5	24.0	25.0	23.0	---	---
MONTH	20.5	14.5	23.0	15.0	25.0	18.5	27.5	19.5	27.5	19.0	25.5	18.0
YEAR	27.5	.5										

ALTAMAHA RIVER BASIN

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02212950 OCMULGEE RIVER ABOVE MACON, GA.

LOCATION.--Lat 32°52'11", long 83°39'15", Bibb County, Hydrologic Unit 03070103, at Macon water works intake, 1.2 mi (1.9 km) north of Macon city limits, and at mile 201 (323 km).

DRAINAGE AREA.--2,240 mi² (5,800 km²), 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, Air Temperature, Water Temperature, pH, and Dissolved Oxygen by U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	PH (UNITS)	TEMPER- ATURE, AIR (DEG C)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
NOV						
21...	1200	482	7.3	16.0	15.5	9.2
DEC						
20...	0915	1230	7.3	17.0	11.0	10.2
JAN						
17...	1400	2790	7.2	18.0	6.0	12.2
FEB						
20...	1400	2710	7.1	15.0	6.0	12.1
MAR						
19...	1330	1640	7.0	25.0	15.0	9.5
APR						
17...	1315	17100	6.9	27.0	17.0	8.8
MAY						
14...	1400	3870	--	27.0	22.0	8.2
JUN						
12...	1500	1750	7.3	--	24.5	7.8
JUL						
10...	1200	1030	7.3	23.0	23.5	7.7
AUG						
14...	1200	750	7.2	31.5	28.0	7.6
SEP						
18...	1400	990	7.4	23.5	23.0	7.9

DATE	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	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)
NOV							
21...	102	--	6	9	1.3	--	<30
DEC							
20...	88	--	10	5	.7	430	90
JAN							
17...	71	--	12	13	1.8	430	90
FEB							
20...	58	--	26	8	.9	9300	<30
MAR							
19...	57	--	19	10	1.0	930	40
APR							
17...	38	--	100	18	1.1	7500	430
JUN							
12...	82	--	20	13	.9	--	93000
JUL							
10...	76	--	9	--	.8	15000	1500
AUG							
14...	61	--	6	--	1.3	930	40
SEP							
18...	80	30	14	--	.2	1500	930

ALTAMAHA RIVER BASIN

02212950 OCMULGEE RIVER ABOVE MACON, GA.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	ALKA- LINITY (MG/L AS CAC03)	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)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
NOV 21...	28	1	.50	.02	.40	.07	8.0
DEC 20...	23	4	.66	.06	.40	.10	2.0
JAN 17...	23	8	.72	.10	.20	.16	3.0
FEB 20...	14	16	.55	.02	.10	.10	1.0
MAR 19...	15	5	.49	<.02	.30	.08	5.5
APR 17...	10	64	.26	.04	.40	.16	6.0
JUN 12...	20	36	.66	.09	.30	.19	2.0
JUL 10...	22	14	.73	<.02	--	.06	1.5
AUG 14...	21	6	.32	.04	--	.03	1.0
SEP 18...	22	13	.42	<.02	--	.07	3.0

02213000 OCMULGEE RIVER AT MACON, GA.

LOCATION.--Lat 32°50'19", long 83°37'14", Bibb County, Hydrologic Unit 03070103, at downstream end of center pier of Fifth Street Bridge in Macon, 1.5 mi (2.4 km) upstream from Walnut Creek, and at mile 198.0 (318.6 km).

DRAINAGE AREA.--2,240 mi² (5,800 km²), approximately.

PERIOD OF RECORD.--January 1893 to December 1911, January 1912 to December 1913 (gage heights and discharge measurements only), October 1928 to current year. Monthly discharge only for some periods, published in WSP 1304. 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 (82.235 m) National Geodetic Vertical Datum of 1929. Prior to Oct. 9, 1905, nonrecording gage at sites within 1.5 mi (2.4 km) 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 (152 m) downstream at same datum. June 25, 1934, to June 25, 1973, water-stage recorder at present site and datum, and June 26, 1973, to Oct. 13, 1974, nonrecording gage at present site and datum.

REMARKS.--Records good. Flow regulated by Lloyd Shoals Reservoir. (See "Lakes and Reservoirs in Altamaha River Basin", station 02210000.) Records of chemical analyses for the water years 1968-73 are published in reports of the Geological Survey.

AVERAGE DISCHARGE.--69 years (1893-1911, 1928-79), 2,738 ft³/s (77.5 m³/s), 16.60 in/yr (422 mm/yr), unadjusted.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 83,500 ft³/s (2,360 m³/s) Nov. 29, 1948, gage height, 28.0 ft (8.53 m); maximum gage height, 29.45 ft (8.976 m), from floodmark, Mar. 4, 1971; minimum daily discharge, 128 ft³/s (3.62 m³/s) Oct. 24, 1954; minimum gage height observed, -1.0 ft (-0.30 m) Oct. 5, 1904.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Jan. 19, 1925, reached a stage of 26.0 ft (7.92 m), from floodmarks at Central of Georgia Railroad bridge, 500 ft (152 m) downstream, discharge 72,500 ft³/s (2,050 m³/s).

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 14,000 ft³/s (396 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)	Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
Feb. 25	0200	*33300 943	23.43 7.141	Apr. 10	0600	20500 581	20.32 6.194
Apr. 5	0300	14900 422	18.68 5.694	Apr. 16	1400	31000 878	22.87 6.971

Minimum daily discharge, 274 ft³/s (7.76 m³/s) Nov. 5.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	696	415	1660	834	2610	9220	2390	3720	2900	865	1350	1930
2	722	391	793	1740	2550	5600	2030	2900	3300	820	805	1880
3	698	402	872	3870	2490	4550	2080	2620	3040	805	745	2370
4	684	396	783	3100	2030	4650	8590	2570	2900	800	745	2180
5	697	274	1470	2580	2290	6470	13500	2600	2570	845	720	1840
6	685	381	2130	2240	2590	6780	13200	2950	2520	890	725	1290
7	697	416	3000	2200	9200	7050	8060	1820	2250	835	770	825
8	671	417	2730	3080	7060	6260	5880	2910	1270	835	745	805
9	684	409	2010	2660	5610	4120	12900	2590	2360	830	810	775
10	656	402	2010	2130	4100	4260	18300	2570	1730	946	765	775
11	669	411	903	2060	3940	4720	8310	2630	1610	1340	815	760
12	581	408	1160	2070	3380	4740	5480	3180	1950	1410	775	740
13	484	489	1720	2220	3130	4590	6650	3250	992	1500	765	2280
14	481	471	1150	2780	3200	4490	11900	3730	1150	835	740	1210
15	499	433	1700	2980	3360	4410	22600	2800	925	840	850	795
16	543	425	1620	2540	3450	4310	29600	2220	1090	795	845	800
17	565	415	805	2420	3430	4300	16700	2240	915	755	850	885
18	698	424	763	2360	3480	3380	8820	1850	895	946	775	961
19	680	438	790	2370	2300	1730	5000	1650	1190	920	735	987
20	647	494	1060	2540	2600	1810	4510	1660	1000	935	750	946
21	607	623	1100	8020	6690	1490	4290	1950	910	1710	750	941
22	600	1110	1060	5950	9210	1470	4100	2390	1070	2270	795	1280
23	632	1220	768	4700	10400	2050	3100	1920	1010	3340	855	880
24	605	1200	847	4960	25300	5260	2290	1710	1040	3250	1190	835
25	493	1280	938	5150	30900	4700	2870	2160	1080	2570	1910	1130
26	467	1160	959	4660	27200	3320	6690	1390	946	1640	2780	935
27	445	864	1340	4170	18100	2570	5930	1350	997	1970	2910	1350
28	424	1330	1220	3790	10100	1590	4920	1410	915	946	1850	2540
29	399	1060	1550	3640	---	1520	4430	1410	890	895	1350	2880
30	434	1740	1240	3510	---	1390	3990	1850	870	845	1440	3370
31	431	---	1130	3010	---	1990	---	2060	---	1180	2240	---
TOTAL	18274	19898	41281	100334	210700	124790	249110	72060	46285	39363	34150	41175
MEAN	589	663	1332	3237	7525	4025	8304	2325	1543	1270	1102	1373
MAX	722	1740	3000	8020	30900	9220	29600	3730	3300	3340	2910	3370
MTN	399	274	763	834	2030	1390	2030	1350	870	755	720	740

CAL YR 1978 TOTAL 826700 MEAN 2265 MAX 35100 MIN 274 MEAN† 2259 CFSM† 1.01 IN† 13.71
WTR YR 1979 TOTAL 997420 MEAN 2733 MAX 30900 MIN 274 MEAN† 2764 CFSM† 1.23 IN† 16.70

† 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 (152 m) downstream from bridge on State Highway 18, 1.4 mi (2.3 km) upstream from Bonner Creek, and 5.5 mi (8.8 km) southeast of Gray.

DRAINAGE AREA.--22 mi² (58 km²), approximately.

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

GAGE.--Water-stage recorder. Altitude of gage is 390 ft (119 m), from topographic map.

REMARKS.--Records good except those for periods of no gage-height record, July 17 to Sept. 4, which are poor.

AVERAGE DISCHARGE.--18 years, 34.3 ft³/s (0.97 m³/s), 16.06 in/yr (408 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 15,500 ft³/s (439 m³/s) Dec. 26, 1964, gage height, 23.8 ft (7.25 m), from floodmark, from rating curve extended above 5,000 ft³/s (142 m³/s) on basis of contracted-opening measurement of peak flow; minimum, 0.48 ft³/s (0.014 m³/s) Oct. 4, 5, 6, 1968.

EXTREMES OUTSIDE PERIOD OF RECORD.--Zero flow was observed during June, July, and August 1954.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 1,000 ft³/s (28.3 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)	Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
Feb. 24	1215	*4040 114	10.69 3.258	Apr. 4	1215	1320 37.4	4.74 1.445

Minimum discharge, 1.0 ft³/s (0.028 m³/s) Oct. 8.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.3	2.1	4.9	5.3	13	41	20	20	11	4.2	3.6	7.7
2	5.5	1.9	3.7	4.3	12	34	18	18	9.0	3.8	3.3	6.0
3	4.5	1.9	3.4	17	12	31	18	16	7.9	3.6	3.0	4.6
4	3.4	1.9	4.4	9.5	19	43	413	16	7.5	3.3	2.8	4.2
5	3.4	1.7	9.2	8.1	15	35	114	15	6.9	4.5	2.6	4.6
6	3.0	1.4	5.5	7.6	72	28	58	14	6.5	6.7	2.5	3.9
7	2.0	1.5	4.6	15	274	25	42	14	6.7	5.3	2.4	3.6
8	1.1	1.7	4.4	31	73	23	36	21	16	5.3	2.3	3.2
9	1.2	2.1	5.0	14	45	21	207	17	30	6.0	2.2	2.8
10	1.2	2.1	4.9	10	32	20	67	16	9.2	13	2.1	2.5
11	1.2	1.9	4.2	8.9	26	43	46	19	7.2	8.9	2.5	2.3
12	1.2	2.1	3.9	9.4	22	30	38	63	6.0	7.3	3.0	2.5
13	1.4	1.9	3.9	11	20	25	148	94	5.3	6.2	2.9	2.8
14	2.5	2.1	4.0	9.7	18	23	159	33	5.0	5.1	2.8	2.8
15	1.8	2.3	4.4	8.4	18	20	65	19	4.9	4.3	2.6	2.3
16	1.8	2.5	4.2	8.0	17	18	45	16	5.2	3.7	2.4	2.8
17	1.8	2.5	4.2	7.8	15	18	35	13	4.9	3.3	2.3	2.4
18	1.8	2.5	3.9	7.8	18	17	29	12	4.5	3.9	2.1	15
19	1.9	2.5	4.1	7.4	25	17	25	11	4.2	4.5	1.9	12
20	1.9	2.5	4.2	9.3	38	17	22	10	5.5	14	1.8	10
21	1.7	2.1	5.0	160	376	17	19	9.9	5.0	39	1.7	10
22	1.9	2.3	4.9	36	180	16	18	9.4	5.0	24	2.0	10
23	1.9	2.4	4.4	21	483	206	17	9.0	5.4	14	10	9.0
24	1.9	2.5	11	70	1740	115	16	11	16	15	80	7.0
25	2.1	2.4	11	33	254	55	63	9.2	13	20	28	8.0
26	2.1	2.1	6.2	23	113	40	130	8.5	7.0	14	66	11
27	2.3	6.0	5.2	20	66	32	62	8.0	6.0	10	45	78
28	2.3	7.6	4.6	17	49	28	40	8.0	5.2	6.4	43	20
29	2.5	4.9	4.6	15	---	25	30	9.7	4.8	5.0	25	14
30	2.1	6.9	4.6	14	---	24	25	9.9	4.6	4.6	15	13
31	1.9	---	5.0	15	---	21	---	9.6	---	4.0	7.7	---
TOTAL	69.6	80.3	157.5	755.9	4045	1108	2025	559.2	235.4	272.9	374.5	299.6
MEAN	2.25	2.68	5.08	24.4	144	35.7	67.5	18.0	7.85	8.80	12.1	9.99
MAX	5.5	7.6	11	160	1740	206	413	94	30	39	80	78
MIN	1.1	1.4	3.4	5.3	12	16	16	8.0	4.2	3.3	1.7	2.3
CFSM	.08	.09	.18	.84	4.97	1.23	2.33	.62	.27	.30	.42	.34
IN.	.09	.10	.20	.97	5.19	1.42	2.60	.72	.30	.35	.48	.38
CAL YR 1978	TOTAL	8412.6	MEAN 23.0	MAX 1680	MIN 1.1	CFSM .79	IN 10.79					
WTR YR 1979	TOTAL	9982.9	MEAN 27.4	MAX 1740	MIN 1.1	CFSM .95	IN 12.81					

ALTAMAHA RIVER BASIN

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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 U.S. Highway 80, 8 mi (13 km) west of Macon, and 14 mi (23 km) upstream from mouth.

DRAINAGE AREA.--182 mi² (471 km²).

PERIOD OF RECORD.--March 1937 to current year.

REVISED RECORDS.--WSP 1204: 1942.

GAGE.--Water-stage recorder. Datum of gage is 309.98 ft (94.482 m) National Geodetic Vertical Datum of 1929. Prior to Aug. 28, 1942, nonrecording gage at same site and datum.

REMARKS.--Records good. Flow regulated to some extent since November 1967 by Lake Tobesofkee, about 1 mi (1.6 km) upstream.

Records of chemical analyses for the water years 1969-70 are published in reports of the Geological Survey.

AVERAGE DISCHARGE.--42 years, 198 ft³/s (5.61 m³/s), 14.77 in/yr (375 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 9,830 ft³/s (278 m³/s) Mar. 21, 1944, gage height, 23.2 ft (7.07 m), from rating curve extended above 6,300 ft³/s (178 m³/s); minimum, 2.3 ft³/s (0.065 m³/s) Oct. 10, 1954.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 7,330 ft³/s (208 m³/s) Feb. 24, gage height, 20.23 ft (6.166 m); minimum daily, 16 ft³/s (0.45 m³/s) Oct. 9-11, 13, 14.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	20	18	17	24	101	575	128	202	116	60	42	416
2	20	18	18	157	79	438	124	177	119	56	41	171
3	19	18	18	220	86	271	141	166	91	53	39	56
4	18	18	18	124	132	244	1480	163	80	50	38	60
5	17	18	18	107	118	247	1500	161	78	51	37	54
6	17	18	18	97	360	247	554	143	77	52	36	50
7	17	18	19	94	1170	232	329	163	76	50	34	48
8	17	17	19	146	625	220	292	232	75	52	32	46
9	16	17	19	118	328	202	376	189	79	51	32	44
10	16	18	18	99	224	180	282	163	80	53	31	42
11	16	18	19	91	179	169	222	179	81	52	31	38
12	17	18	19	88	156	164	216	181	78	53	31	35
13	16	18	20	86	148	164	535	206	72	53	30	31
14	16	18	21	86	135	185	999	181	68	54	29	31
15	17	18	21	85	130	169	456	138	67	52	28	30
16	17	18	21	79	132	164	316	124	61	51	28	31
17	17	19	21	76	104	157	237	118	56	51	28	36
18	17	19	21	73	201	147	193	105	52	52	27	35
19	17	19	21	71	134	135	170	90	48	53	26	39
20	17	19	22	213	181	126	158	86	48	60	26	48
21	18	19	23	913	1110	121	155	84	52	190	26	50
22	18	19	22	341	1030	116	136	83	56	146	26	67
23	18	19	22	201	1230	360	119	84	62	99	27	60
24	18	20	23	510	5220	440	130	84	69	95	28	54
25	18	19	23	271	4180	256	561	94	97	105	30	58
26	18	18	23	179	1560	162	1320	88	100	92	32	65
27	18	19	23	160	821	124	811	82	72	80	39	438
28	18	18	23	152	631	101	425	74	67	60	39	222
29	18	18	23	101	---	139	251	69	65	50	45	204
30	18	17	23	103	---	139	201	67	62	47	47	148
31	18	---	23	130	---	135	---	72	---	44	85	---
TOTAL	542	548	639	5195	20505	6529	12817	4048	2204	2067	1070	2707
MEAN	17.5	18.3	20.6	168	732	211	427	131	73.5	66.7	34.5	90.2
MAX	20	20	23	913	5220	575	1500	232	119	190	85	438
MIN	16	17	17	24	79	101	119	67	48	44	26	30
CFSM	.10	.10	.11	.92	4.02	1.16	2.35	.72	.40	.37	.19	.50
IN.	.11	.11	.13	1.06	4.19	1.33	2.62	.83	.45	.42	.22	.55
CAL YR 1978	TOTAL	54790	MEAN 150	MAX	4760	MIN 16	CFSM .82	IN 11.20				
WTR YR 1979	TOTAL	58871	MEAN 161	MAX	5220	MIN 16	CFSM .89	IN 12.03				

ALTAMAHA RIVER BASIN

02213700 OCMULGEE RIVER NEAR WARNER ROBINS, GA.

LOCATION.--Lat 32°40'17", long 83°36'11", Bibb-Twiggs County line, Hydrologic Unit 03070103, on right bank 0.8 mi (1.3 km) upstream from Echeconnee Creek, 4 mi (6.5 km) northeast of Warner Robins, and 5.7 mi (9.2 km) downstream from Tobesofkee Creek.
DRAINAGE AREA.--2,690 mi² (6,970 km²), approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1972 to current year, discharge below 3,600 ft³/s (102 m³/s), only.

GAGE.--Water-stage recorder. Altitude of gage is 251 ft (76 m), from topographic map.

REMARKS.--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 (4.593 m) Feb. 25, 1979; minimum daily discharge, 423 ft³/s (12.0 m³/s) Nov. 6, 1978.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 15.07 ft (4.593 m) Feb. 25; minimum daily discharge, 423 ft³/s (12.0 m³/s) Nov. 6.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	660	790	2340	---	---	3150	---	---	---	1870	1870	1120
2	680	790	2160	---	---	3440	---	---	---	1640	3500	1080
3	640	1100	1530	---	---	3530	---	---	---	1570	---	1060
4	560	1200	1260	---	---	---	---	3500	---	1820	---	1040
5	580	900	1030	---	---	3590	---	3430	---	1680	2000	1070
6	680	950	2130	---	---	---	---	3170	3560	2290	3000	1270
7	630	890	---	2290	---	---	---	2290	---	3150	3600	1280
8	580	1500	---	1640	---	---	---	2510	---	3360	3600	1140
9	580	1400	---	1560	---	---	---	---	---	2890	2700	891
10	560	1100	---	---	1630	---	---	---	---	2200	2900	851
11	530	1300	2600	---	1640	---	---	---	---	2200	3000	846
12	500	900	1690	---	1500	---	---	---	---	2280	1900	851
13	470	850	1800	---	1510	---	---	---	---	2070	1600	855
14	480	1500	2270	---	---	---	---	3270	---	1870	1800	890
15	490	1700	3080	---	---	---	---	2880	3370	1600	2300	1070
16	560	1800	---	---	1770	---	---	2560	3210	1340	2600	1100
17	540	1850	2590	---	1460	---	---	2330	---	1730	2420	1180
18	530	1990	2480	---	1530	---	---	2020	---	2430	2470	986
19	520	1720	---	---	3100	---	---	1730	---	2890	1870	1000
20	510	1230	---	---	3500	---	---	2070	2640	2880	1770	1030
21	500	1660	---	---	3400	---	---	3420	2090	2660	1860	1020
22	480	1750	---	---	2290	---	3480	---	2930	2030	1680	1150
23	540	1010	---	---	2570	---	3360	---	3510	1650	1180	979
24	530	1030	---	---	2740	---	3410	---	3420	1690	1100	970
25	510	1030	---	---	2930	---	3540	---	2510	1850	1070	910
26	510	1610	---	---	2490	---	---	---	2600	2000	1080	890
27	520	1970	3400	---	2610	---	---	---	2350	1910	1170	918
28	700	1830	2480	---	2900	---	---	---	2510	1790	1260	1290
29	1050	1750	3020	1950	---	---	---	---	2210	1570	1630	1460
30	1080	2050	2980	---	---	---	---	---	1900	1810	1530	1400
31	900	---	2850	---	---	---	---	---	---	2030	1360	---
TOTAL	18600	41150	---	---	---	---	---	---	---	64750	---	31597
MEAN	600	1372	---	---	---	---	---	---	---	2089	---	1053
MAX	1080	2050	---	---	---	---	---	---	---	3360	---	1460
MIN	470	790	---	---	---	---	---	---	---	1340	---	846

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

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1220	997	1700	---		---	---	2180	2500	880	1100	1170
2	1300	971	1410	---		---	---	2050	2000	900	1180	1130
3	2860	1020	1070	---		---	---	2090	1300	870	1280	1190
4	3380	1050	1370	---		---	---	1840	1200	1050	1060	1650
5	2820	867	2100	---		---	---	1500	1200	1800	1090	2900
6	2230	861	2760	---		3390	---	1600	1220	2900	1130	2820
7	1450	963	1880	---		3220	---	1810	1310	3100	1230	---
8	989	993	1380	---		3190	---	2160	2800	2100	1870	---
9	935	951	1660	---		3510	---	2440	3600	1150	3120	2630
10	921	928	1500	---		2760	---	2200	3500	1100	---	1780
11	1080	919	1280	---		2120	---	2220	3400	1650	---	1710
12	939	895	1220	---		2430	---	1940	3450	1450	---	1750
13	853	881	1700	---		2970	---	2010	3250	1300	3490	1970
14	906	890	1820	3400		3070	---	2480	2000	1000	2720	1650
15	861	885	1750	3200		2960	---	2440	1750	1000	2550	1620
16	997	917	1420	3500		2950	---	2160	1500	1500	3160	2360
17	1420	991	1160	3300		2450	---	1960	1200	1080	3330	1340
18	1560	1070	1380	3000		2300	---	2120	1150	1170	---	1170
19	1590	913	1140	3000		2120	3270	2040	1150	1770	3240	1020
20	1450	892	1440	3200		2440	2920	1710	1250	1280	3550	971
21	1490	899	1150	3270		---	2420	1600	1700	1050	3550	951
22	1470	1090	1160	---		---	2100	1890	2100	987	2360	941
23	1500	1220	1190	---		---	2520	1740	2500	947	1680	935
24	1520	1160	1190	---		---	3090	2820	2800	961	1460	913
25	1480	1280	1190	---		3290	3060	---	1500	983	1080	832
26	1280	1220	1160	---		3130	2540	---	1100	1080	1010	818
27	894	1280	1610	---		3110	2190	2850	940	1100	1090	868
28	840	1750	2420	---		2520	1810	2520	940	1500	1300	924
29	831	2260	3600	---		2020	1530	2030	980	1460	1100	931
30	1150	1780	3140	---		3010	1680	1900	930	1380	957	912
31	1300	---	3140	---		---	---	2350	---	1400	1140	---
TOTAL	43516	32793	52090	---		---	---	---	56220	41898	---	---
MEAN	1404	1093	1680	---		---	---	---	1874	1352	---	---
MAX	3380	2260	3600	---		---	---	---	3600	3100	---	---
MIN	831	861	1070	---		---	---	---	930	870	---	---

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

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

[illegible]

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

[illegible]

ALTAMAHA RIVER BASIN

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

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2020	1220	---	3600	3050		---	2600	1410	1100	2360	1380
2	1360	1460	---	3400	3300		---	2340	1470	1220	1570	1010
3	1130	1350	---	3100	3200		---	2020	1140	2020	2300	967
4	1080	1210	---	3600	3000		---	2510	1250	1590	---	973
5	1040	1170	3000	---	2100		---	2480	1240	1310	---	971
6	999	1140	2460	---	2150		---	2280	1310	1100	---	971
7	1010	1100	3070	---	1600		---	2160	1290	985	---	1010
8	1050	1090	---	---	2180		---	1740	1410	941	2490	1200
9	1970	1080	---	---	2420		---	1350	967	917	1990	1290
10	---	1220	---	---	2480		---	1280	921	892	1320	1520
11	---	1080	---	---	2390		---	1300	892	904	1200	1100
12	2460	1030	---	---	1920		---	1200	881	895	1180	1190
13	2180	1040	---	---	2060		---	1200	897	902	1160	1040
14	2170	1020	---	---	1700		---	1380	903	895	1110	924
15	2390	1140	---	---	2020		---	1510	876	943	1080	961
16	1790	1620	---	---	2030		3100	1180	858	899	1080	981
17	1230	2430	---	---	2100		2020	1280	890	881	1040	1120
18	1300	3410	---	---	2280		2010	1360	967	852	1030	1150
19	1540	3420	---	---	2120		1980	1560	999	849	1060	1180
20	1730	2560	---	---	1480		2260	1160	1070	845	1080	1230
21	2500	2300	---	3600	1340		2340	1150	1080	888	1080	1500
22	2540	2450	---	3400	1300		2240	1190	1300	863	1060	1080
23	1920	2200	---	3350	1280		2790	1160	1220	908	1150	1310
24	1390	2080	3300	3500	1780		2910	1170	1520	899	1370	1600
25	1220	1960	3280	3600	3270		3430	1360	1260	881	1040	1360
26	1320	1450	---	3350	---		3520	1310	1310	874	1020	1010
27	1340	1700	---	3200	---		3220	1390	991	892	1120	1040
28	1280	2350	---	3000	---		2860	2060	1080	993	1170	995
29	1210	---	---	2500	---		2760	2740	1300	1190	1410	973
30	1420	---	---	2100	---		2570	2350	947	1340	1550	967
31	1260	---	---	2800	---		---	1480	---	2000	1230	---
TOTAL	---	---	---	---	---		---	51250	33649	32668	---	34003
MEAN	---	---	---	---	---		---	1653	1122	1054	---	1133
MAX	---	---	---	---	---		---	2740	1520	2020	---	1600
MIN	---	---	---	---	---		---	1150	858	845	---	924

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

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	971	2470	2170	---	---	2540	2520	1870	1720	1060	1030	875
2	1240	2240	2080	---	---	2970	1700	---	1520	1010	955	849
3	1450	2820	2130	---	---	2520	1520	---	1510	1020	921	834
4	985	3220	2080	3400	---	---	1580	---	1470	1100	1220	843
5	924	---	1340	3060	---	3400	1800	---	1640	975	1960	867
6	910	---	1740	2320	---	2380	1870	---	1380	931	2820	849
7	1010	---	2560	2050	---	2260	1700	---	1480	890	3400	814
8	1070	---	2500	2230	---	2910	1630	---	1190	874	---	863
9	937	---	2060	2940	---	---	1460	---	1870	850	3360	865
10	1070	---	1340	2960	3210	---	1410	---	2970	868	3190	793
11	1500	---	1280	3460	3130	---	1500	---	2330	947	---	762
12	1980	---	1240	3470	3000	---	1740	---	1540	930	---	780
13	2790	3500	1220	3600	2900	---	2550	---	1250	917	---	772
14	2990	2700	1300	3520	2890	---	---	---	1440	912	---	772
15	2350	2650	1700	3490	3040	---	---	---	1420	881	---	981
16	1880	2780	1900	---	3080	---	3460	---	1310	897	2580	1090
17	1680	2670	1510	3430	3210	---	2080	2580	1030	941	1890	1050
18	1310	2440	1360	---	3130	---	2100	1820	995	922	1670	903
19	1220	1940	1340	---	2460	---	2850	1900	977	870	2080	825
20	1330	1380	1340	---	1980	3290	---	1870	989	847	1630	802
21	1340	1210	1490	---	2270	3190	---	1530	1120	834	1110	802
22	1090	1640	1800	---	2440	3550	3470	1390	1070	861	1090	798
23	941	2110	1560	---	2440	3190	2560	1820	973	827	1050	773
24	928	2180	1590	---	2260	2940	1690	1720	941	814	1010	769
25	928	2100	1860	---	1810	3370	1970	1390	1020	825	1230	786
26	1320	1600	2720	---	1520	3380	2430	1650	904	930	1140	786
27	2870	1300	3010	---	1500	2840	2840	1710	969	1120	951	771
28	3480	1150	2790	---	1850	2440	2430	1570	1220	1080	917	796
29	3520	2200	2560	---	---	3010	1820	1200	1080	1240	912	773
30	3470	2170	2230	---	---	2970	1530	1300	1120	975	917	771
31	3270	---	3220	---	---	2910	---	1610	---	912	895	---
TOTAL	52754	---	59020	---	---	---	---	---	40448	29060	---	25014
MEAN	1702	---	1904	---	---	---	---	---	1348	937	---	834
MAX	3520	---	3220	---	---	---	---	---	2970	1240	---	1090
MIN	910	---	1220	---	---	---	---	---	904	814	---	762

ALTAMAHA RIVER BASIN

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

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	771	507	1790	1080	3240	---	2420	---	2350	1040	1340	2590
2	766	507	1300	1090	2920	---	2280	---	3150	1010	1290	2380
3	778	494	913	2670	2790	---	2240	3470	3400	967	971	2570
4	757	501	993	3600	2630	---	2640	3260	3240	951	921	2650
5	748	492	1060	3300	2420	---	---	3130	3190	957	894	2300
6	751	423	1570	2860	2610	---	---	3190	2800	1040	867	1590
7	746	483	2340	2510	---	---	---	3030	2720	1050	879	1260
8	744	512	2820	2690	---	---	---	3060	2020	1040	883	993
9	728	514	2300	3230	---	---	---	3510	2160	1020	863	945
10	739	514	1940	2860	---	---	---	3370	2370	1080	870	900
11	710	508	1480	2450	---	---	---	3270	1960	1280	861	890
12	714	503	1140	2240	---	---	---	3480	2100	1510	881	855
13	634	528	1340	2360	---	---	---	---	1580	1740	856	1150
14	579	577	1420	2500	3560	---	---	---	1240	1280	841	1880
15	577	559	1320	2910	3570	---	---	---	1240	1050	845	1050
16	584	537	1560	2960	---	---	---	3400	1140	995	906	899
17	624	533	1230	2660	---	---	---	2930	1220	945	897	942
18	656	530	921	2630	---	---	---	2460	1080	955	904	1080
19	728	528	780	2600	---	3180	---	2100	1120	1120	832	1150
20	724	553	1010	2720	3030	2270	---	1920	1280	1180	813	1080
21	691	589	1130	3260	3560	1880	---	2090	1120	1580	800	1020
22	660	791	1140	---	---	1690	---	2270	1100	2100	791	1100
23	663	1060	999	---	---	1830	---	2400	1210	3110	858	1210
24	688	1130	945	---	---	---	3390	2010	1200	3560	993	982
25	703	1180	1080	---	---	---	3280	2130	1230	3360	1460	1050
26	701	1140	1140	---	---	---	---	1920	1200	2540	2180	1340
27	701	1090	1280	---	---	---	---	1620	1140	2160	2780	1610
28	681	1080	1330	---	---	2660	---	1420	1180	1650	2540	2600
29	600	1220	1350	---	---	1980	---	1530	1090	1180	1780	3310
30	483	1330	1380	---	---	1680	---	1710	1060	1090	1400	3590
31	501	---	1260	---	---	1760	---	2130	---	1100	2020	---
TOTAL	21130	20913	42261	---	---	---	---	---	52890	45640	36016	46966
MEAN	682	697	1363	---	---	---	---	---	1763	1472	1162	1566
MAX	778	1330	2820	---	---	---	---	---	3400	3560	2780	3590
MIN	483	423	780	---	---	---	---	---	1060	945	791	855

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 TEMPERATURES: February 1970 to current year.

DISSOLVED OXYGEN: May 1970 to current year.

REMARKS.--Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Discharge, Air Temperature, Water Temperature, pH, and Dissolved Oxygen by U.S. Geological Survey. Flow regulated by Lloyd Shoals Reservoir. (See "Lakes and Reservoirs in Altamaha River Basin", station 02210000.)

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum recorded, 212 micromhos Nov. 7, 1978; minimum recorded, 25 micromhos Jan. 7, 1974.

pH: Maximum recorded, 7.8 units Oct. 1, 1971; minimum recorded, 5.2 units Jan. 14, 1972.

WATER TEMPERATURE: Maximum, 33.5°C July 8, 10, 1977; minimum, 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.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 212 micromhos Nov. 7; minimum, 49 micromhos Feb. 27.

pH: Maximum, 6.6 units Nov. 5-7, 9, 13, Dec. 13-19, 22, 23, 29, 30, 5.7 units Mar. 8-16, Apr. 19.

WATER TEMPERATURE: Maximum recorded, 33.0°C Aug. 9; minimum, 3.0°C Feb. 19.

DISSOLVED OXYGEN: Maximum recorded, 12.1 mg/L Jan. 16, Feb. 19; minimum, 3.1 mg/L Oct. 28.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	PH (UNITS)	TEMPER- ATURE, AIR (DEG C)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
OCT						
18...	1300	633	7.0	23.0	17.0	6.2
NOV						
21...	1415	593	7.0	18.0	16.5	6.7
DEC						
19...	1520	910	7.2	21.0	10.5	9.2
JAN						
17...	1500	2550	7.1	18.0	6.0	11.8
FEB						
20...	1530	3080	6.9	15.5	5.5	11.6
MAR						
19...	1430	3020	6.7	23.5	15.0	8.4
APR						
17...	1500	--	6.8	25.0	17.5	7.4
MAY						
14...	1510	--	6.2	25.0	23.0	6.7
JUN						
12...	1400	2210	7.5	26.0	26.5	5.9
JUL						
10...	1315	1080	7.2	22.5	25.0	5.5
AUG						
14...	1400	827	7.0	30.5	29.0	5.6
SEP						
18...	1445	1080	7.1	25.5	23.5	5.7

ALTAMAHA RIVER BASIN

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	SPECIFIC CONDUCTANCE (MICRO-MHOS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	OXYGEN DEMAND, CHEMICAL (LOW LEVEL) (MG/L)	OXYGEN DEMAND, BIO-CHEMICAL, 5 DAY (MG/L)	COLIFORM, FECAL, EC BROTH (MPN)
OCT 18...	144	60	10	10	.5	93000
NOV 21...	157	60	10	18	2.4	54000
DEC 19...	134	80	11	14	2.8	3300
JAN 17...	86	50	15	15	2.3	23000
FEB 20...	74	60	32	11	2.0	21000
MAR 19...	70	70	25	15	1.4	230
APR 17...	47	225	104	18	1.4	430
MAY 14...	72	--	--	--	--	--
JUN 12...	64	30	14	10	1.0	<30
JUL 10...	114	40	10	17	1.5	15000
AUG 14...	92	40	11	14	.8	9300
SEP 18...	121	55	21	19	1.8	23000

DATE	ALKALINITY (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)	NITROGEN+AMMONIA + ORGANIC TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 18...	37	22	.79	.29	.34	.36	6.0
NOV 21...	38	9	.60	.42	.90	.25	5.0
DEC 19...	33	9	.72	.44	.68	.30	5.0
JAN 17...	19	15	.66	.23	.80	.20	3.0
FEB 20...	16	29	.50	.14	.30	.16	3.0
MAR 19...	19	21	.43	.08	.40	.14	6.5
APR 17...	12	52	.32	.06	.38	.17	6.0
MAY 14...	--	--	--	--	--	--	--
JUN 12...	17	15	.60	<.02	.20	.08	2.0
JUL 10...	29	21	.73	.20	1.3	.18	6.0
AUG 14...	29	13	.47	.36	.60	.17	3.0
SEP 18...	31	35	.66	.22	.72	.27	8.0

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	152	107	187	174	124	121	124	113	81	76	52	50
2	140	110	190	175	140	123	124	114	81	77	53	50
3	134	131	192	178	150	138	113	84	84	76	53	52
4	140	132	192	176	146	134	101	85	85	80	54	53
5	149	139	184	165	---	---	103	99	89	76	53	52
6	146	141	206	185	---	---	103	101	85	76	55	51
7	149	140	212	178	---	---	103	97	78	71	56	53
8	148	139	196	174	---	---	100	92	77	69	59	55
9	150	143	199	185	---	---	99	91	70	68	60	56
10	147	139	195	174	---	---	99	96	75	70	63	59
11	143	140	184	170	---	---	101	98	77	73	63	57
12	147	136	189	167	---	---	103	95	80	77	62	58
13	172	141	189	165	132	110	100	92	80	77	62	58
14	178	167	173	162	122	113	97	87	79	77	63	59
15	174	156	193	165	127	107	91	86	80	78	62	58
16	169	156	186	170	116	108	93	88	79	76	62	59
17	170	148	188	172	130	111	96	91	76	74	64	62
18	149	138	184	172	133	123	94	89	74	72	72	65
19	141	134	183	167	136	129	94	87	80	72	79	70
20	139	131	178	160	131	118	94	87	89	76	81	79
21	137	128	164	155	123	113	91	72	80	74	86	79
22	138	129	164	131	126	115	81	75	76	69	85	83
23	128	123	144	130	132	118	77	75	66	62	88	81
24	131	123	140	132	128	116	78	76	62	58	80	69
25	155	131	136	129	116	110	77	76	58	52	---	---
26	165	150	145	132	109	104	78	75	53	51	---	---
27	187	164	149	134	105	99	78	78	54	49	---	---
28	194	181	150	130	107	99	78	77	54	50	83	74
29	200	179	139	128	110	101	78	76	---	---	86	83
30	201	181	137	126	109	103	79	77	---	---	88	84
31	194	181	---	---	116	108	79	76	---	---	88	77
MONTH	201	107	212	126	150	99	124	72	89	49	88	50
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	77	73	69	64	91	78	122	109	108	95	---	---
2	80	75	69	66	83	78	---	---	111	94	---	---
3	79	76	72	67	84	82	---	---	124	109	---	---
4	84	68	73	65	---	---	---	---	129	117	---	---
5	71	64	72	65	---	---	---	---	128	119	98	93
6	64	59	73	65	91	82	---	---	126	111	113	98
7	67	63	75	66	90	84	---	---	125	118	123	103

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

PH (STANDARD UNITS), WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	6.5	6.4	6.5	6.5	6.5	6.4	6.5	6.5	6.3	6.2	5.9	5.8
2	6.5	6.5	6.5	6.5	6.5	6.4	6.5	6.5	6.3	6.2	5.9	5.9
3	6.5	6.4	6.5	6.5	6.4	6.4	6.5	6.4	6.3	6.2	6.0	5.9
4	6.4	6.4	6.5	6.5	6.5	6.4	6.4	6.4	6.3	6.2	6.0	6.0
5	6.4	6.4	6.6	6.5	---	---	6.4	6.3	6.3	6.2	6.1	6.0
6	6.4	6.4	6.6	6.5	---	---	6.4	6.3	6.3	6.2	6.0	5.9
7	6.5	6.4	6.6	6.4	---	---	6.4	6.3	6.3	6.1	5.9	5.9
8	6.5	6.5	6.5	6.5	---	---	6.4	6.3	6.1	6.0	5.9	5.7
9	6.5	6.5	6.5	6.5	---	---	6.4	6.3	6.1	6.0	5.9	5.7
10	6.5	6.4	6.6	6.5	---	---	6.4	6.2	6.1	6.1	6.0	5.7
11	6.4	6.4	6.5	6.5	---	---	6.4	6.3	6.2	6.1	6.0	5.7
12	6.4	6.4	6.5	6.5	---	---	6.4	6.3	6.2	6.2	5.9	5.7
13	6.4	6.4	6.6	6.5	6.6	6.6	6.4	6.3	6.2	6.1	6.0	5.7
14	6.5	6.4	6.5	6.4	6.6	6.6	6.4	6.3	6.2	6.2	6.0	5.7
15	6.5	6.4	6.5	6.5	6.6	6.6	6.4	6.4	6.3	6.2	6.1	5.7
16	6.5	6.5	6.5	6.4	6.6	6.5	6.4	6.3	6.3	6.2	6.1	5.7
17	6.5	6.4	6.5	6.4	6.6	6.5	6.4	6.3	6.3	6.2	6.1	6.1
18	6.4	6.4	6.5	6.4	6.6	6.5	6.4	6.3	6.3	6.3	6.1	5.8
19	6.5	6.4	6.5	6.4	6.6	6.5	6.4	6.3	6.3	6.2	6.1	5.8
20	6.5	6.4	6.5	6.4	6.5	6.4	6.4	6.3	6.3	6.2	6.2	6.1
21	6.5	6.4	6.5	6.5	6.5	6.5	6.4	6.2	6.3	6.2	6.2	6.1
22	6.5	6.4	6.5	6.4	6.6	6.5	6.2	6.0	6.2	6.0	6.2	6.2
23	6.4	6.4	6.5	6.5	6.6	6.5	6.1	6.0	6.0	5.9	6.2	6.2
24	6.4	6.4	6.5	6.5	6.5	6.5	6.2	6.1	5.9	5.9	6.2	6.1
25	6.4	6.4	6.5	6.5	6.5	6.4	6.2	6.2	5.9	5.8	---	---
26	6.5	6.4	6.5	6.5	6.5	6.5	6.2	6.2	5.8	5.8	---	---
27	6.5	6.5	6.5	6.5	6.5	6.4	6.2	6.2	5.9	5.8	---	---
28	6.5	6.4	6.5	6.4	6.5	6.5	6.2	6.2	5.9	5.8	6.1	5.9
29	6.4	6.4	6.5	6.4	6.6	6.5	6.2	6.2	---	---	6.2	6.1
30	6.4	6.4	6.5	6.4	6.6	6.5	6.2	6.2	---	---	6.2	6.1
31	6.5	6.4	---	---	6.5	6.5	6.2	6.2	---	---	6.2	6.1
MONTH	6.5	6.4	6.6	6.4	6.6	6.4	6.5	6.0	6.3	5.8	6.2	5.7
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER		
1	6.3	6.2	6.1	6.0	6.3	6.2	6.2	6.1	6.3	6.3	---	---
2	6.2	6.2	6.1	6.1	6.3	6.2	---	---	6.3	6.3	---	---
3	6.2	6.2	6.2	6.1	6.3	6.2	---	---	6.3	6.3	---	---
4	6.3	6.1	6.2	6.1	---	---	---	---	6.3	6.3	---	---
5	6.1	5.9	6.2	6.1	---	---	---	---	6.3	6.3	6.4	6.3
6	5.9	5.8	6.2	6.1	6.3	6.2	---	---	6.3	6.3	6.4	6.3
7	6.0	5.9	6.2	6.1	6.3	6.2	---	---	6.3	6.2	6.3	6.3
8	6.0	5.8	6.2	6.1	6.3	6.2	---	---	6.2	6.2	6.3	6.3
9	6.1	5.8	6.2	6.2	6.3	6.2	---	---	6.3	6.2	6.4	6.3
10	6.1	5.9	6.2	6.1	6.3	6.2	6.4	6.4	6.3	6.2	6.4	6.3
11	6.1	5.8	6.3	6.2	6.3	6.3	---	---	6.3	6.2	6.3	6.3
12	6.1	5.9	6.3	6.2	6.3	6.2	---	---	6.3	6.3	6.3	6.0
13	6.4	6.0	6.3	6.1	6.3	6.2	---	---	6.3	6.3	6.3	6.2
14	6.5	6.2	6.3	6.2	6.2	6.2	---	---	6.3	6.3	6.3	6.2
15	6.3	6.1	6.2	6.2	6.2	6.2	---	---	6.3	6.3	6.3	6.2
16	6.3	6.2	6.2	6.1	6.2	6.2	---	---	6.4	6.3	6.2	6.2
17	6.2	5.8	6.3	6.1	6.3	6.2	---	---	6.4	6.3	6.2	6.2
18	5.9	5.8	6.2	6.2	6.3	6.2	---	---	6.4	6.3	6.2	6.1
19	6.0	5.7	6.2	6.2	6.3	6.2	6.4	6.4	6.3	6.2	6.2	6.2
20	6.0	5.8	6.2	6.2	6.2	6.2	6.4	6.3	6.4	6.3	6.3	6.2
21	6.0	5.8	6.3	6.2	6.2	6.1	---	---	6.3	6.2	6.3	6.3
22	6.1	5.8	6.3	6.2	6.2	6.2	---	---	6.3	6.3	6.3	6.3
23	6.1	5.8	6.3	6.2	6.2	6.2	---	---	6.3	6.2	6.3	6.3
24	6.1	6.0	6.3	6.1	6.2	6.1	6.3	6.3	6.3	6.2	6.3	6.3
25	6.1	6.0	6.3	6.2	6.2	6.1	6.4	6.3	---	---	6.3	6.3
26	6.0	5.9	6.3	6.2	6.2	6.1	6.3	6.3	---	---	6.3	6.2
27	6.0	5.9	6.3	6.2	6.2	6.0	6.4	6.3	---	---	6.2	6.1
28	6.0	5.8	6.3	6.2	6.3	6.2	6.4	6.3	6.4	6.3	6.2	6.1
29	6.0	5.8	6.3	6.2	6.2	6.2	6.4	6.3	6.4	6.4	6.2	6.1
30	6.1	5.9	6.3	6.2	6.2	6.2	6.4	6.3	6.5	6.4	6.2	6.2
31	---	---	6.3	6.2	---	---	---	---	---	---	---	---
MONTH	6.5	5.7	6.3	6.0	6.3	6.0	6.4	6.1	6.5	6.2	6.4	6.0
YEAR	6.6	5.7										

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	23.5	22.5	20.5	19.0	14.5	14.0	13.0	10.5	5.5	4.5	11.5	10.0
2	23.5	22.0	20.0	18.5	14.0	13.5	13.0	11.0	5.0	4.0	12.5	11.0
3	24.0	22.0	19.5	17.5	14.0	13.0	10.5	7.5	5.5	4.0	13.0	12.0
4	24.5	22.5	18.5	16.5	15.5	14.0	7.0	4.5	6.5	5.0	13.5	13.0
5	25.0	23.0	17.5	15.5	---	---	6.0	4.0	7.5	6.5	14.0	13.5
6	24.0	22.5	17.0	15.5	---	---	7.5	6.0	6.5	5.5	13.5	12.5
7	22.0	20.5	17.0	15.5	---	---	9.5	7.5	5.5	4.5	13.5	12.0
8	20.5	19.0	17.0	16.0	---	---	10.5	9.5	5.5	4.5	13.5	12.5
9	19.5	18.0	17.5	16.0	---	---	9.0	6.0	6.0	5.5	13.0	10.0
10	20.5	18.5	18.5	17.0	---	---	6.0	5.0	5.5	4.5	13.5	11.5
11	20.5	19.0	18.5	17.0	---	---	5.5	4.5	5.5	4.5	14.0	12.0
12	21.5	19.0	18.0	16.0	---	---	6.5	6.0	6.0	5.0	14.5	13.0
13	22.0	20.0	18.0	16.0	9.5	8.5	6.5	6.0	8.0	6.0	16.0	13.0
14	22.0	21.0	19.0	17.5	9.5	8.5	7.0	6.5	8.0	7.0	16.0	15.0
15	20.5	18.0	20.0	18.0	9.5	8.5	6.0	5.0	10.0	7.5	15.5	13.5
16	18.5	16.5	20.5	18.5	10.5	8.5	5.5	5.0	11.0	10.0	14.0	12.0
17	18.0	16.5	20.5	19.0	11.0	10.5	6.5	5.0	10.5	8.0	14.5	13.0
18	18.0	16.0	21.0	20.0	10.0	9.0	8.5	6.5	8.0	4.0	15.5	13.5
19	18.0	16.0	19.5	18.0	11.0	9.0	8.5	8.0	4.0	3.0	16.5	14.5
20	18.0	16.0	18.0	16.5	13.5	11.0	8.0	8.0	6.0	4.0	17.5	16.0
21	18.5	16.5	17.0	15.5	14.5	13.5	10.0	8.0	8.0	6.0	19.0	17.0
22	19.0	17.0	17.0	15.5	14.0	11.5	8.0	7.0	8.5	7.0	19.0	18.5
23	20.0	17.5	16.5	15.5	11.5	10.5	7.0	6.5	10.5	8.5	18.5	18.0
24	20.0	18.0	17.0	16.0	11.0	10.5	7.0	6.0	13.0	10.0	18.5	16.0
25	21.0	19.0	16.5	15.5	10.5	9.5	6.0	5.0	14.0	12.0	---	---
26	21.5	19.5	15.5	14.5	9.5	8.5	5.0	4.5	11.5	9.0	---	---
27	22.0	20.0	15.0	14.5	9.0	8.0	5.5	5.0	9.0	7.5	---	---
28	22.5	21.0	16.5	15.0	8.0	7.0	6.0	5.5	10.5	8.5	16.5	14.5
29	22.5	21.5	16.0	15.0	8.0	7.0	5.5	5.0	---	---	18.0	16.0
30	21.5	20.5	15.0	14.5	8.5	7.5	5.5	5.0	---	---	18.5	17.0
31	21.0	19.5	---	---	10.5	8.5	6.5	5.5	---	---	19.5	18.0
MONTH	25.0	16.0	21.0	14.5	15.5	7.0	13.0	4.0	14.0	3.0	19.5	10.0
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER		
1	19.0	18.5	19.5	18.5	24.5	23.0	28.0	25.0	31.5	29.5	---	---
2	18.5	18.0	20.0	19.0	24.5	23.5	---	---	31.5	30.0	---	---
3	18.5	18.5	21.0	19.5	25.0	24.0	---	---	32.0	30.0	---	---
4	18.5	17.0	22.0	20.5	---	---	---	---	32.5	30.5	---	---
5	17.5	16.0	22.0	21.0	---	---	---	---	32.5	31.0	27.5	26.5
6	17.5	16.0	22.5	21.0	26.5	25.0	---	---	32.5	30.5	29.0	27.0
7	18.5	16.5	21.5	21.0	26.0	25.0	---	---	32.5	30.5	29.5	28.5
8	19.0	17.0	21.5	21.0	26.0	25.0	---	---	32.5	31.0	29.5	28.5
9	18.0	17.0	22.0	21.0	27.5	25.5	---	---	33.0	31.0	29.0	28.0
10	18.5	16.5	23.0	21.5	27.5	26.0	26.0	24.0	32.5	31.0	28.5	27.0
11	21.0	17.0	24.0	22.0	27.5	26.0	---	---	32.0	30.5	27.5	26.5
12	22.5	18.5	24.5	23.0	27.0	25.5	---	---	30.5	29.5	27.0	26.5
13	20.0	18.0	23.0	22.5	26.5	24.5	---	---	30.0	28.5	27.5	26.5
14	21.0	18.0	23.0	22.0	26.5	24.5	---	---	29.5	27.0	27.0	26.0
15	18.5	16.5	22.5	22.0	25.5	24.0	---	---	29.5	27.5	28.5	26.5
16	18.5	17.5	23.5	21.5	25.0	23.0	---	---	28.5	27.0	27.5	26.5
17	18.5	17.5	24.0	22.0	25.0	23.5	---	---	27.0	26.0	26.0	24.0
18	19.5	17.5	23.5	22.5	26.5	24.0	---	---	28.0	25.5	24.0	23.0
19	20.5	16.0	23.5	22.5	28.0	25.5	29.5	28.0	29.0	26.5	24.5	23.5
20	20.5	17.5	24.0	23.0	28.5	27.5	28.5	28.0	30.0	27.5	25.0	24.0
21	21.5	18.5	25.0	23.5	28.0	27.0	---	---	30.5	28.5	25.0	24.5
22	22.5	18.5	26.0	24.5	28.5	27.0	---	---	31.0	29.5	25.5	24.5
23	22.5	19.0	25.0	24.0	28.5	27.5	---	---	29.5	28.5	25.0	23.5
24	21.0	19.0	24.0	23.0	29.5	28.0	27.5	26.5	30.0	28.5	23.5	22.0
25	20.5	19.0	23.5	22.0	28.0	27.0	27.0	26.5	---	---	22.0	20.5
26	19.5	18.5	22.0	21.0	27.0	25.5	27.0	26.0	---	---	20.5	20.0
27	19.5	18.0	21.5	20.0	---	---	28.5	26.5	---	---	21.5	20.5
28	19.0	16.5	22.5	20.5	27.5	25.5	29.0	27.5	28.0	27.0	22.5	21.0
29	18.5	17.0	24.0	22.0	27.5	25.5	30.0	28.5	28.5	27.0	23.5	22.5
30	19.0	17.0	24.5	23.0	28.5	26.0	30.5	29.5	30.0	28.0	23.5	23.0
31	---	---	24.5	23.5	---	---	---	---	---	---	---	---
MONTH	22.5	16.0	26.0	18.5	29.5	23.0	30.5	24.0	33.0	25.5	29.5	20.0
YEAR	33.0	3.0										

ALTAMAHA RIVER BASIN

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

OXYGEN, DISSOLVED (DO), MG/L, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	6.2	5.0	5.7	4.6	8.6	8.2	10.5	9.1	11.2	10.4	9.8	9.6
2	6.6	6.2	5.5	4.6	8.6	7.9	9.1	8.8	11.7	10.9	9.5	9.2
3	6.3	5.5	5.8	4.4	8.0	7.8	10.9	9.2	11.6	11.1	9.2	8.9
4	5.7	4.8	5.8	4.7	8.3	7.6	11.8	10.9	11.5	11.0	9.0	8.9
5	5.3	3.7	6.5	5.5	---	---	11.9	11.7	11.0	10.4	9.2	8.9
6	4.6	3.9	5.7	5.3	---	---	11.8	11.4	11.2	10.5	9.2	8.9
7	5.5	4.6	6.4	5.1	---	---	11.3	10.7	11.5	11.1	8.9	7.8
8	6.2	5.7	6.2	5.4	---	---	10.7	10.1	11.2	11.1	8.3	7.5
9	6.7	6.3	5.5	4.8	---	---	11.2	10.6	11.2	11.0	8.0	7.2
10	6.8	5.9	6.0	4.9	---	---	11.8	11.0	11.5	11.2	8.1	7.0
11	6.4	5.8	5.8	5.0	---	---	12.0	11.5	11.8	11.6	8.0	6.8
12	6.4	5.3	6.3	5.2	---	---	11.8	11.1	11.8	11.6	7.5	6.8
13	5.7	4.1	6.9	5.9	10.5	9.5	11.4	11.1	11.6	11.0	7.5	6.8
14	4.7	3.4	7.0	5.7	10.4	9.7	11.6	11.1	10.8	10.5	7.5	7.1
15	5.2	3.8	6.1	4.9	10.4	9.1	12.0	11.5	10.6	10.2	8.0	6.8
16	6.2	5.2	5.5	4.1	10.4	9.7	12.1	11.9	10.3	9.8	9.0	7.4
17	6.5	5.9	5.0	4.0	10.1	8.9	12.0	11.6	10.5	9.8	9.1	8.4
18	6.9	5.6	4.7	3.9	9.3	9.0	11.7	11.0	11.4	10.6	8.3	7.3
19	7.4	6.5	5.1	3.8	9.4	9.1	10.9	10.4	12.1	11.5	8.4	7.9
20	7.2	5.7	6.4	5.1	9.2	8.5	10.8	10.3	12.0	10.4	7.9	7.5
21	7.0	6.3	6.9	6.1	9.0	8.1	10.5	9.6	11.6	10.8	7.8	6.3
22	7.0	6.2	7.8	6.4	9.0	7.8	10.4	9.5	10.9	10.1	6.6	6.2
23	7.1	6.6	8.0	7.4	9.1	8.6	10.5	10.3	10.1	9.5	6.5	6.0
24	7.0	6.2	8.1	8.0	9.4	9.1	10.5	10.4	9.6	8.4	6.7	6.1
25	6.5	5.3	8.3	7.9	9.7	9.2	11.0	10.4	8.7	7.9	---	---
26	5.7	4.8	8.3	8.1	10.3	9.8	11.2	11.0	9.2	8.8	---	---
27	5.1	4.0	8.4	7.7	10.9	10.2	11.2	10.9	9.8	9.3	---	---
28	4.5	3.1	7.9	6.5	11.0	10.5	10.9	10.7	9.8	9.5	8.4	8.1
29	4.7	3.3	8.0	7.2	11.3	10.3	11.2	10.8	---	---	8.2	7.4
30	4.9	3.7	8.2	7.2	11.3	10.7	11.3	11.1	---	---	7.7	6.8
31	5.5	4.7	---	---	11.0	10.0	11.2	11.0	---	---	7.5	6.3
MONTH	7.4	3.1	8.4	3.8	11.3	7.6	12.1	8.8	12.1	7.9	9.8	6.0
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN

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 (0.6 km) downstream from Flat Creek and 3.5 mi (5.6 km) 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, Air Temperature, Water Temperature, pH, and Dissolved Oxygen by 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 1978 TO SEPTEMBER 1979

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	PH (UNITS)	TEMPER- ATURE, AIR (DEG C)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
OCT						
02...	0945	900	6.9	18.0	20.0	8.1
NOV						
13...	1015	652	7.0	18.0	14.0	8.0
DEC						
12...	0930	1550	7.0	1.0	7.0	10.2
JAN						
11...	1450	3110	6.7	13.0	3.0	11.7
FEB						
08...	1400	4420	6.8	12.5	3.0	12.0
MAR						
07...	1000	7500	6.7	11.5	12.0	--
APR						
02...	0630	3030	6.9	16.0	18.0	7.7
MAY						
07...	0600	4090	7.0	21.0	21.5	6.4
JUN						
14...	1230	1480	7.0	30.0	24.5	6.1
JUL						
11...	1310	1620	6.8	28.5	24.5	5.2
AUG						
06...	0600	1160	7.1	22.0	29.0	9.3
SEP						
10...	0610	1030	6.7	17.0	26.0	5.6

DATE	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LINITY (MG/L AS CAC03)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT										
02...	111	40	10	1.7	2300	27	.60	.13	.22	--
NOV										
13...	135	60	10	1.2	1500	34	.54	.24	.21	5.0
DEC										
12...	106	60	14	1.1	9300	25	.68	.26	.20	5.0
JAN										
11...	79	60	16	1.8	2100	17	.63	.07	.19	2.5
FEB										
08...	62	160	87	1.6	9300	12	.35	.08	.18	5.0
MAR										
07...	52	150	50	1.4	230	11	.22	<.02	.08	4.0
APR										
02...	71	30	15	.4	4300	20	.18	.06	.15	3.0
MAY										
07...	86	60	16	5.4	1500	18	.43	.05	.16	<5.0
JUN										
14...	94	45	26	1.2	15000	26	.62	.09	.18	4.0
JUL										
11...	99	60	20	--	--	25	.83	.10	.18	2.0
AUG										
06...	110	45	19	1.2	1500	27	.58	.10	.19	1.0
SEP										
10...	111	60	14	.8	2300	28	.26	.10	.19	3.0

ALTAMAHA RIVER BASIN

02215260 OCMULGEE RIVER AT ABBEVILLE, GA.

LOCATION.--Lat 31°59'47", long 83°16'43", Wilcox-Telfair County line, Hydrologic Unit 03070104, at bridge on State Highway 30, 1 mi (1.6 km) east of Abbeville.

DRAINAGE AREA.--4,450 mi² (11,500 km²), approximately.

PERIOD OF RECORD.--August 1974 to June 1979 (discontinued).

REMARKS.--Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Discharge, Air Temperature, Water Temperature, pH, and Dissolved Oxygen by 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 1978 TO SEPTEMBER 1979

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	PH (UNITS)	TEMPER- ATURE, AIR (DEG C)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)				
OCT 02...	0830	1380	7.1	13.0	20.0	8.5				
DEC 12...	0715	2990	6.8	-3.0	9.0	9.0				
FEB 08...	1515	5030	6.6	15.0	4.0	11.1				
APR 02...	0930	4130	7.0	29.0	19.0	7.5				
JUN 12...	0810	3550	7.4	22.0	25.0	6.4				

DATE	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LINITY (MG/L AS CAC03)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 02...	124	40	12	.8	55	36	.67	.02	.18	--
DEC 12...	108	30	13	.9	1500	27	.86	.50	.20	3.0
FEB 08...	72	80	26	1.2	230	17	.43	.06	.10	2.0
APR 02...	87	50	14	.7	930	26	.32	.02	.09	4.0
JUN 12...	109	40	19	2.2	750	28	.62	.02	.15	3.5

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 (152 m) downstream from Southern Railway bridge, 1 mi (1.6 km) upstream from Little Ocmulgee River, and 12 mi (19.3 km) upstream from confluence with Oconee River.
DRAINAGE AREA.--5,180 mi² (13,400 km²), 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 (26.664 m) National Geodetic Vertical Datum of 1929. Prior to Nov. 8, 1937, nonrecording gage at same site and datum.

REMARKS.--Records good. Flow regulated by Lloyds Shoals Reservoir. (See "Lakes and Reservoirs in Altamaha River Basin", station 02210000.)

AVERAGE DISCHARGE.--43 years, 5,652 ft³/s (160 m³/s), 14.82 in/yr (376 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 70,000 ft³/s (1,980 m³/s) Dec. 8, 1948; maximum gage height, 22.7 ft (6.92 m) Dec. 9, 1948; minimum discharge, 800 ft³/s (22.7 m³/s) Oct. 30 to Nov. 3, 1954.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum discharge known since at least 1841, 98,400 ft³/s (2,790 m³/s) Jan. 21, 1925, from rating extended above 67,000 ft³/s (1,900 m³/s) on basis of records of peak flow for stations on Ocmulgee, Oconee, and Altamaha Rivers; maximum stage known, 26.3 ft (8.02 m) Jan. 21, 1925, backwater from Oconee River.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 42,500 ft³/s (1,200 m³/s) Mar. 6, gage height, 18.09 ft (5.514 m); minimum, 1,200 ft³/s (34.0 m³/s) Nov. 11.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1520	1330	2260	2470	7020	20000	6720	10100	3280	2450	3910	3180
2	1530	1300	2250	2580	7360	21600	6890	9960	3340	2380	3240	3190
3	1480	1270	2330	2830	7560	25700	6860	10200	3600	2300	2860	3080
4	1520	1250	2480	2830	7660	33200	6360	10400	3970	2220	2690	3160
5	1520	1240	2650	2690	7620	40300	5830	10400	4400	2150	2670	3360
6	1520	1240	2590	2700	7500	42100	5680	10300	4560	2120	2590	3590
7	1520	1240	2330	3040	8580	38900	5700	10000	4540	2140	2380	3670
8	1510	1240	2120	3710	9940	33200	5740	9450	4470	2150	2200	3600
9	1490	1230	2090	4240	10400	27400	5840	8820	4450	2250	2080	3430
10	1500	1230	2300	4380	10000	22800	6030	8180	4360	2410	2000	3130
11	1490	1210	2610	4330	9130	19400	6340	7350	4250	2580	1960	2750
12	1480	1220	2860	4270	8370	16600	6910	6680	4120	2850	1970	2400
13	1480	1230	2970	4320	7970	14300	7970	6360	3870	2900	1950	2180
14	1500	1230	2930	4410	7790	12500	9530	6750	3710	3020	1950	2050
15	1470	1230	2730	4430	7770	11500	11400	7020	3520	3110	1930	1970
16	1450	1230	2450	4300	7930	11000	12900	7120	3360	3140	1900	1930
17	1440	1230	2360	4110	8270	10700	13600	7230	3160	3130	1850	2010
18	1400	1260	2390	4000	8660	10400	13700	7300	2890	2980	1800	2310
19	1360	1270	2370	3980	8900	9930	13800	7220	2690	2900	1770	2270
20	1350	1260	2430	4050	8710	9370	13700	6970	2560	2960	1770	2080
21	1350	1260	2360	4370	8090	8840	13200	6690	2500	3020	1770	2050
22	1370	1230	2130	4780	7380	8370	12600	6360	2470	3000	1750	2130
23	1420	1230	2000	4850	8300	8030	13000	5850	2590	3010	1720	2190
24	1450	1230	2070	4970	11100	7820	15000	5060	2610	3430	1680	2190
25	1450	1260	2320	5260	15500	7590	17700	4370	2530	4080	1690	2170
26	1420	1330	2460	5500	17700	7140	19200	4090	2520	4440	1660	2360
27	1420	1520	2400	5690	18500	6520	18600	3990	2560	4630	1730	2660
28	1430	1700	2350	5880	19100	6160	16600	3870	2570	4720	1950	2910
29	1430	1830	2400	6070	---	6150	13700	3720	2570	4740	2300	3270
30	1390	2060	2430	6290	---	6310	11200	3580	2530	4660	2690	3960
31	1360	---	2460	6640	---	6520	---	3380	---	4430	2970	---
TOTAL	45020	39590	74880	133970	272810	510350	322300	218770	100550	96300	67380	81230
MEAN	1452	1320	2415	4322	9743	16460	10740	7057	3352	3106	2174	2708
MAX	1530	2060	2970	6640	19100	42100	19200	10400	4560	4740	3910	3960
MIN	1350	1210	2000	2470	7020	6150	5680	3380	2470	2120	1660	1930
CFSM	.28	.26	.47	.83	1.88	3.18	2.07	1.36	.65	.60	.42	.52
IN.	.32	.28	.54	.96	1.96	3.67	2.31	1.57	.72	.69	.48	.58
CAL YR 1978	TOTAL	1843620	MEAN	5051	MAX	41700	MIN	1210	CFSM	.98	IN	13.24
WTR YR 1979	TOTAL	1963150	MEAN	5378	MAX	42100	MIN	1210	CFSM	1.04	IN	14.10

ALTAMAHA RIVER BASIN

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

WATER-QUALITY RECORDS

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	PH (UNITS)	TEMPER- ATURE, AIR (DEG C)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
OCT 03...	1205	1520	7.3	26.0	22.0	7.0
NOV 14...	1315	1240	7.3	25.0	17.0	8.3
DEC 13...	1330	2980	7.0	14.0	9.0	9.6
JAN 10...	1205	4390	7.0	6.0	4.0	11.8
FEB 07...	1450	8900	6.4	12.0	5.0	11.7
MAR 08...	1205	33200	--	17.0	13.0	--
APR 04...	1000	6400	7.2	22.0	20.0	7.8
MAY 09...	0945	8840	7.3	23.5	21.5	6.7
JUN 12...	0935	4140	7.3	25.0	26.0	6.9
JUL 19...	0930	2880	7.4	27.0	27.0	6.8
AUG 06...	1220	2600	7.6	36.0	30.0	6.5
SEP 10...	1235	3120	6.2	31.0	28.0	6.5

DATE	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LINITY (MG/L AS CAC03)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDE (MG/L)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 03...	141	40	9	.3	90	48	8	.66	<.02	.10	2.0
NOV 14...	149	40	10	.4	<30	55	<1	.47	<.02	.09	5.0
DEC 13...	101	30	9	.1	150	30	15	.72	.04	.13	2.0
JAN 10...	85	50	20	2.7	1300	20	33	.60	.03	.16	6.0
FEB 07...	61	80	20	1.6	1900	13	13	.33	.02	.08	5.0
MAR 08...	42	150	39	--	40	9	1	.10	<.02	.05	7.3
APR 04...	86	50	14	1.4	110	27	5	.20	<.02	.05	3.0
MAY 09...	68	60	10	.7	70	26	8	.27	<.02	.07	<5.0
JUN 12...	95	45	14	.6	40	30	11	.55	.06	.19	3.0
JUL 19...	113	40	15	.3	<30	34	16	.66	<.02	.10	4.0
AUG 06...	122	40	20	.3	<60	40	12	.30	<.02	.10	<1.0
SEP 10...	38	80	5	.9	230	5	2	.26	<.02	.13	3.0

02216100 ALLIGATOR CREEK NEAR ALAMO, GA.

LOCATION.--Lat 32°01'35", Long 82°41'44", Wheeler County, Hydrologic Unit 03070105, at bridge on State Route 134, 1.7 mi (2.7 km) west of Jordan, 6.5 mi (10.5 km) upstream of Little Ocmulgee River, and 9.5 mi (15.3 km) southeast of Alamo.

DRAINAGE AREA.--255 mi² (660 km²).

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, Air Temperature, Water Temperature, pH, and Dissolved Oxygen by U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	PH (UNITS)	TEMPER- ATURE, AIR (DEG C)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)					
JUL 19...	1010	16	6.2	30.0	25.5	8.0					
AUG 06...	1145	31	6.0	36.0	28.0	6.7					
SEP 10...	1210	12	7.1	30.0	26.0	7.6					

DATE	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LINITY (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)
JUL 19...	32	--	8	.9	430	6	<.02	<.02	.02	7.0
AUG 06...	37	120	17	1.1	40	4	.08	.02	.03	12
SEP 10...	99	40	38	1.0	<35	30	<.02	<.02	.02	11

ALTAMAHA RIVER BASIN

02216610 TILLMAN MILL CREEK NEAR LUMBER CITY, GA.

LOCATION.--Lat 31°58'53", long 82°38'32", Wheeler County, Hydrologic Unit 03070104, on right bank 18 ft (5.5 m) upstream from culvert on State Highway 19, 4.3 mi (6.9 km) northeast of Lumber City, and 4.7 mi (7.6 km) upstream from mouth.

DRAINAGE AREA.--2.71 mi² (7.02 km²).

PERIOD OF RECORD.--Annual maximum, water years 1966-74, October 1974 to current year. Prior to October 1975, published as Ocmulgee River Tributary near Lumber City.

GAGE.--Water-stage recorder. Altitude of gage is 168 ft (51 m), from topographic map. Prior to Oct. 1, 1974, at datum 2.00 ft (0.61 m) lower.

REMARKS.--Records fair. Figures of runoff for the 1975 water year have been found to be in error and should not be used.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,070 ft³/s (30.3 m³/s) May 23, 1973, gage height, 9.59 ft (2.923 m), present datum, from floodmarks; no flow at times most years.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 119 ft³/s (3.370 m³/s) Feb. 23, gage height, 4.30 ft (1.311 m), no peaks above base of 140 ft³/s (3.96 m³/s); minimum, no flow on many days.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	.00	3.1	.48	3.5	5.5	1.0	.29	3.6	.00	.03	.00
2	.00	.00	.64	14	2.6	4.9	.90	.26	.86	.00	.00	.00
3	.00	.00	.34	3.8	2.6	4.8	.86	.26	2.9	.00	.00	.00
4	.00	.00	.28	1.6	5.1	6.6	7.1	.22	.59	.00	.00	.00
5	.00	.00	.32	1.4	3.2	16	4.3	.33	.26	.00	.00	.00
6	.00	.00	.29	1.5	19	5.9	1.4	.59	.19	.00	.00	.00
7	.00	.00	.24	8.1	38	4.7	.95	3.2	.13	.00	.00	.00
8	.00	.00	.27	9.5	7.8	5.9	.79	9.5	.11	.00	.00	.00
9	.00	.00	.43	3.2	5.8	4.2	1.9	3.8	.11	.00	.00	.00
10	.00	.00	.50	2.4	5.0	3.6	1.0	1.6	.01	.00	.00	.00
11	.00	.00	.47	2.3	4.7	9.6	.65	1.5	.00	.65	.00	.00
12	.00	.00	.49	4.7	4.1	5.0	.48	1.3	.00	3.2	.00	.00
13	.00	.00	.50	3.8	3.7	4.1	.86	5.4	.00	1.3	.00	.00
14	.00	.00	.53	3.8	3.5	3.6	4.7	13	.00	.19	.00	.00
15	.00	.00	.53	2.7	3.5	3.2	1.0	2.6	.00	.04	.00	.00
16	.00	.00	.56	2.3	3.2	2.7	.43	1.3	.07	.00	.00	.00
17	.00	.00	.56	2.1	2.9	2.6	.29	.86	.05	.26	.00	.00
18	.00	.00	.43	2.1	2.8	2.6	.22	.65	.01	1.3	.00	.00
19	.00	.00	.48	1.9	3.7	2.5	.19	.48	.00	1.6	.00	.00
20	.00	.00	.56	2.3	3.4	2.2	.16	.38	.00	1.6	.00	.00
21	.00	.00	.71	16	6.2	2.2	.13	.38	.00	.26	.00	.00
22	.00	.00	.68	3.6	8.9	2.0	.11	.29	.00	4.5	.00	.00
23	.00	.00	.59	3.2	65	3.3	.13	.38	.00	6.3	.00	.00
24	.00	.00	12	9.1	51	3.7	.16	1.9	.00	.86	.00	.00
25	.00	.00	4.1	3.8	23	1.9	9.1	.72	.00	3.6	.00	.00
26	.00	.00	.98	3.2	9.9	1.5	6.6	.38	.00	.72	.00	.33
27	.00	.00	.61	4.3	7.1	1.4	2.0	.26	.00	.33	.00	2.3
28	.00	.00	.49	3.6	6.0	1.2	.86	.19	.00	.13	.00	1.0
29	.00	.04	.48	2.7	---	1.1	.53	.16	.00	.11	.00	.38
30	.00	14	.48	2.6	---	1.1	.48	.16	.00	.38	.00	.77
31	.00	---	.48	5.6	---	1.1	---	.65	---	.07	.00	---
TOTAL	.00	14.04	33.12	131.68	305.2	120.7	49.28	52.99	8.89	27.40	.03	4.78
MEAN	.000	.47	1.07	4.25	10.9	3.89	1.64	1.71	.30	.88	.001	.16
MAX	.00	14	12	16	65	16	9.1	13	3.6	6.3	.03	2.3
MIN	.00	.00	.24	.48	2.6	1.1	.11	.16	.00	.00	.00	.00
CFSM	.000	.17	.40	1.57	4.02	1.44	.61	.63	.11	.33	.000	.06
IN.	.00	.19	.45	1.81	4.19	1.66	.68	.73	.12	.38	.00	.07

CAL YR 1978 TOTAL 903.91 MEAN 2.48 MAX 114 MIN .00 CFSM .92 IN 12.40
WTR YR 1979 TOTAL 748.11 MEAN 2.05 MAX 65 MIN .00 CFSM .76 IN 10.27

02217500 MIDDLE OCONEE RIVER NEAR ATHENS, GA.

LOCATION.--Lat 33°56'48", long 83°25'22", Clarke County, Hydrologic Unit 03070101, on left bank 0.5 mi (0.8 km) upstream from U.S. Highway 29, 2 mi (3.2 km) west of Athens, and 5 mi (8.0 km) upstream from Barber Creek.

DRAINAGE AREA.--398 mi² (1,030 km²).

PERIOD OF RECORD.--October 1901 to October 1902, January 1929 to March 1932, April 1937 to current year. Monthly discharge only for some periods, published in WSP 1304.

GAGE.--Water-stage recorder. Datum of gage is 555.66 ft (169.365 m) National Geodetic Vertical Datum of 1929. Oct. 11, 1901, to Oct. 25, 1902, nonrecording gage at site 1 mi (1.6 km) 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 (6.4 km) downstream at different datum.

REMARKS.--Records good. Records of chemical analyses for the water years 1968-74 are published in reports of the Geological Survey.

AVERAGE DISCHARGE.--45 years, 527 ft³/s (14.9 m³/s), 17.98 in/yr (457 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge observed, 19,600 ft³/s (555 m³/s) Feb. 28, 1902, gage height, 25.5 ft (7.772 m), site and datum then in use; minimum daily, 26 ft³/s (0.74 m³/s) Sept. 7, 1957.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 3,800 ft³/s (108 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)	Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
Feb. 25	2400	6930 196	14.52 4.426	Apr. 15	0130	*12300 348	19.96 6.084

Minimum discharge, 94 ft³/s (2.66 m³/s) Oct. 10, gage height, 1.08 ft (0.329 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	125	130	237	261	440	1040	458	620	1310	294	308	293
2	190	136	205	678	409	893	458	589	1030	272	290	373
3	152	138	191	629	399	776	516	564	750	258	282	306
4	131	137	249	407	400	1160	1520	550	699	251	272	466
5	122	136	753	346	375	2170	2680	562	580	244	258	386
6	114	137	672	325	390	1630	1850	549	511	286	248	301
7	105	145	373	356	651	1040	962	529	499	332	239	268
8	97	164	302	606	755	853	750	559	666	392	228	260
9	97	170	282	518	678	753	1110	556	651	367	224	238
10	103	160	316	413	612	673	1730	541	538	465	222	228
11	110	155	289	368	532	651	1110	507	481	468	223	220
12	114	150	257	387	489	612	865	485	423	388	263	216
13	119	148	244	806	460	566	3590	513	397	360	270	224
14	155	151	234	786	437	542	9260	533	379	322	235	265
15	167	155	224	558	418	557	9640	481	363	294	223	263
16	138	159	219	462	406	512	2860	435	361	282	213	231
17	123	167	227	421	387	486	1530	419	358	268	206	220
18	119	272	233	399	400	475	1250	398	354	258	200	242
19	121	361	221	373	415	468	1030	391	337	318	197	432
20	125	224	218	758	480	458	893	379	323	626	193	324
21	127	186	227	2560	627	452	798	405	328	1110	187	280
22	131	171	246	2470	922	475	728	438	335	1310	195	407
23	127	170	226	1040	1550	537	677	423	323	696	287	429
24	126	186	234	1180	3170	1210	636	517	311	511	284	314
25	126	182	304	1460	5080	849	625	466	304	940	730	285
26	129	170	282	900	6220	631	950	410	304	752	582	273
27	134	190	248	688	3560	558	1250	386	286	567	525	333
28	137	233	231	619	1390	519	935	383	280	462	882	720
29	137	229	218	547	---	492	719	560	279	406	381	852
30	133	237	218	503	---	475	653	886	279	364	333	938
31	131	---	234	473	---	466	---	635	---	332	293	---
TOTAL	3965	5349	8614	22297	32052	22979	52033	15669	14039	14195	9473	10587
MEAN	128	178	278	719	1145	741	1734	505	468	458	306	353
MAX	190	361	753	2560	6220	2170	9640	886	1310	1310	882	938
MIN	97	130	191	261	375	452	458	379	279	244	187	216
CFSM	.32	.45	.70	1.81	2.88	1.86	4.36	1.27	1.18	1.15	.77	.89
IN.	.37	.50	.81	2.08	3.00	2.15	4.86	1.46	1.31	1.33	.89	.99
CAL YR 1978	TOTAL	155497	MEAN 426	MAX 6630	MIN 97	CFSM 1.07	IN 14.53					
WTR YR 1979	TOTAL	211252	MEAN 579	MAX 9640	MIN 97	CFSM 1.46	IN 19.75					

ALTAMAHA RIVER BASIN

02217740 NORTH OCONEE RIVER ABOVE ATHENS, GA.

LOCATION.--Lat 33°58'28", long 83°22'56", Clarke County, Hydrologic Unit 03070101, at city of Athens water works intake, 0.3 mi (0.5 km) north of Athens city limit.

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, Air Temperature, Water Temperature, pH, and Dissolved Oxygen by U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	PH (UNITS)	TEMPER- ATURE, AIR (DEG C)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)				
OCT										
11...	0840	70	6.7	17.5	12.5	9.2				
NOV										
08...	1515	190	7.1	20.0	15.0	8.6				
DEC										
07...	1545	310	6.9	14.0	11.0	9.4				
JAN										
11...	1020	280	7.1	3.0	3.5	11.4				
FEB										
07...	1430	500	6.7	1.0	4.0	11.4				
MAR										
08...	1410	650	7.0	7.5	12.0	8.5				
APR										
12...	1430	800	6.9	19.0	15.0	8.2				
MAY										
02...	0645	390	7.2	13.0	16.5	8.6				
JUN										
06...	0730	580	6.9	21.0	21.0	8.0				
JUL										
10...	1015	260	7.1	19.0	19.0	9.0				
AUG										
14...	1345	145	7.0	31.0	24.0	8.5				
SEP										
06...	1015	225	7.0	24.5	23.5	5.0				

DATE	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	TUR- BID- ITY (JTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, CON- FIRMED (MPN)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LINITY (MG/L AS CAC03)	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										
11...	64	20	.9	2300	230	29	.24	<.02	.02	3.0
NOV										
08...	62	13	1.2	2300	430	27	.10	.07	.02	3.0
DEC										
07...	57	28	1.7	23000	4300	20	.31	.04	.08	3.0
JAN										
11...	51	13	.7	930	230	19	.45	.04	.06	.5
FEB										
07...	44	25	.8	--	430	15	.47	.04	.04	<1.0
MAR										
08...	43	31	.9	2300	150	14	.38	.03	.04	1.0
APR										
12...	44	33	1.3	43000	9300	16	.34	<.02	.05	7.0
MAY										
02...	45	13	.7	4300	430	20	.29	<.02	.03	<5.0
JUN										
06...	52	34	.7	12000	150	17	.24	<.02	.06	3.5
JUL										
10...	55	15	.6	43000	4300	21	.31	<.02	.06	2.3
AUG										
14...	49	20	2.2	43000	230	23	.29	.04	.02	<1.0
SEP										
06...	54	29	.4	2300	930	21	.30	.04	.05	1.5

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 (1.6 km) upstream from Barnett Shoals Dam and 4 mi (6.4 km) east of Watkinsville.

DRAINAGE AREA.--783 mi² (2,030 km²).

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, Air Temperature, Water Temperature, pH, and Dissolved Oxygen by U.S. Geological Survey. Water-discharge records for water years 1901-2 are published in records of the Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	PH (UNITS)	TEMPER- ATURE, AIR (DEG C)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
OCT						
11...	0925	180	6.7	18.5	13.0	8.6
NOV						
08...	1415	178	6.9	21.0	17.0	7.6
DEC						
07...	1430	580	7.0	14.5	10.0	10.3
JAN						
11...	1125	700	6.8	6.0	4.0	11.0
FEB						
07...	1345	2850	6.6	2.0	4.0	11.6
MAR						
08...	1330	1670	7.1	15.0	11.5	9.2
APR						
12...	1330	1780	7.2	19.0	16.0	9.2
MAY						
02...	0740	1040	7.2	14.5	16.5	8.6
JUN						
06...	0825	1080	7.0	20.0	21.5	8.2
JUL						
10...	1100	560	7.1	19.0	19.5	8.5
AUG						
14...	1430	400	7.0	31.0	26.0	8.2
SEP						
06...	0930	402	7.1	24.0	23.5	5.2

DATE	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	TUR- BID- ITY (JTU)	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 (MG/L AS CAC03)	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)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT												
11...	45	22	8	2.0	930	25	16	.96	.14	.23	.36	3.0
NOV												
08...	82	19	16	5.9	1500	24	19	.80	.25	.80	.28	6.0
DEC												
07...	64	40	12	2.1	3900	17	31	.55	.10	.70	.17	2.0
JAN												
11...	62	18	12	1.9	430	18	25	.70	.28	.60	.18	.5
FEB												
07...	51	58	15	3.0	--	13	68	.65	.07	.48	.14	2.0
MAR												
08...	47	35	9	--	2600	13	25	.53	.06	.40	.13	2.0
APR												
12...	46	46	12	1.5	9300	13	39	.48	<.02	.40	.08	5.0
MAY												
02...	51	13	12	1.0	930	17	18	.53	.09	.78	.09	<5.0
JUN												
06...	55	54	15	1.6	4300	16	55	.48	.02	.70	.16	3.8
JUL												
10...	61	15	--	1.0	4300	18	21	.64	.04	--	.14	3.0
AUG												
14...	54	18	--	.6	230	19	15	.70	.11	--	.11	<1.0
SEP												
06...	61	33	--	.6	7500	19	30	.70	.04	--	.16	<1.0

ALTAHAHA RIVER BASIN

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 (11.2 km) upstream from Greenbrier Creek, 8.0 mi (12.9 km) northwest of Penfield, and 10.0 mi (16.1 km) southeast of Watkinsville.

DRAINAGE AREA.--940 mi² (2,430 km²).

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 (132.058 m), National Geodetic Vertical Datum of 1929.

REMARKS.--Records good. Some regulation at low flow from manipulation of Barnett Shoals Dam.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 19,700 ft³/s (558 m³/s) Mar. 16, 1976, gage height, 22.11 ft (6.739 m); minimum daily, 223 ft³/s (6.23 m³/s) Oct. 12, 1978.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Apr. 6, 1936, reached a stage of 26.7 ft (8.14 m), discharge, 41,500 ft³/s (1,180 m³/s), from rating curve extended above 21,000 ft³/s (595 m³/s) on basis of computation of flow over Barnett Shoals Dam located 10 mi (16.1 km) upstream.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 4,600 ft³/s (130 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)	Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
Jan. 21	2100	5170 146	12.46 3.798	Apr. 6	1400	4760 135	11.94 3.639
Feb. 26	2000	12100 343	17.98 5.480	Apr. 15	2300	*17400 493	20.90 6.370

Minimum daily discharge, 223 ft³/s (6.32 m³/s) Oct. 12.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	310	317	650	633	1060	3230	1080	1440	2220	667	708	792
2	384	319	589	1530	1010	2310	1060	1340	2370	726	660	813
3	450	321	522	1730	987	1950	1090	1270	2130	612	624	810
4	386	329	581	1240	1000	2330	2230	1230	1710	581	584	815
5	318	324	1270	962	986	3330	3860	1210	2120	553	552	981
6	319	323	1520	873	989	4040	4520	1240	1620	564	536	824
7	259	341	1110	887	2140	3140	2830	1200	1200	695	533	697
8	264	456	840	1150	2090	2100	1820	1230	1970	785	550	661
9	292	378	757	1400	1770	1810	2520	1260	1710	887	526	566
10	281	413	742	1100	1570	1640	3070	1270	1450	896	501	580
11	274	391	755	870	1390	1590	3340	1190	1230	1050	494	514
12	223	377	693	905	1250	1490	2440	1110	1050	948	661	525
13	263	384	640	1500	1170	1380	5670	1110	964	840	669	518
14	381	423	606	1790	1110	1320	16000	1210	898	772	598	572
15	385	328	568	1460	1080	1310	16100	1140	862	699	516	645
16	362	384	556	1160	1050	1260	15000	1030	848	651	497	611
17	336	397	578	1020	1020	1180	7390	978	847	593	479	529
18	325	577	590	956	1040	1150	3560	943	833	552	443	572
19	256	753	585	909	1090	1130	2660	921	802	558	437	775
20	313	721	572	1050	1170	1100	2190	904	760	1180	431	893
21	290	489	596	4480	1690	1090	1910	896	773	1530	410	741
22	276	472	622	4930	2310	1090	1750	1000	827	3330	428	742
23	309	433	615	4390	4920	1310	1640	979	782	2020	704	943
24	285	438	636	2930	8390	2040	1550	1070	744	1380	660	885
25	291	470	789	2790	10800	2160	1510	1130	730	1480	975	749
26	303	439	774	2420	11500	1710	1990	1020	705	1530	1480	702
27	314	491	696	1800	11500	1400	2520	922	703	1290	1240	750
28	321	658	632	1500	7490	1260	2310	894	676	1060	1460	1020
29	331	632	593	1320	---	1190	1770	1210	654	939	1140	1640
30	330	659	573	1190	---	1130	1540	1760	642	840	877	1700
31	316	---	588	1110	---	1100	---	1800	---	762	805	---
TOTAL	9747	13437	21838	51985	83572	54270	116920	35907	34830	30970	21178	23565
MEAN	314	448	704	1677	2985	1751	3897	1158	1161	999	683	786
MAX	450	753	1520	4930	11500	4040	16100	1800	2370	3330	1480	1700
MIN	223	317	522	633	986	1090	1060	894	642	552	410	514
CFSM	.33	.48	.75	1.78	3.18	1.86	4.15	1.23	1.24	1.06	.73	.84
IN.	.39	.53	.86	2.06	3.31	2.15	4.63	1.42	1.38	1.23	.84	.93
CAL YR 1978	TOTAL	381036	MEAN	1044	MAX	13500	MIN 223	CFSM 1.11	IN 15.08			
WTR YR 1979	TOTAL	498219	MEAN	1365	MAX	16100	MIN 223	CFSM 1.45	IN 19.72			

02218500 OCONEE RIVER NEAR GREENSBORO, GA.

LOCATION.--Lat 33°34'52", long 83°16'22", Greene County, Hydrologic Unit 03070101, on right bank 300 ft (91 m) downstream from bridge on State Highway 12, 1 mi (1.6 km) downstream from Town Creek, 5 mi (8.0 km) upstream from Apalachee River, 5 mi (8.0 km) west of Greensboro, and 12 mi (19.3 km) downstream from Barnett Shoals Dam.

DRAINAGE AREA.--1,090 mi² (2,820 km²), 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 Air Temperature, Water Temperature, pH, and Dissolved Oxygen by U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	PH (UNITS)	TEMPER- ATURE, AIR (DEG C)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)				
NOV 08...	1250	375	7.1	18.0	16.0	8.9				
FEB 07...	1230	--	6.7	2.5	4.5	11.4				
MAY 02...	0830	--	7.3	19.0	17.5	8.8				
AUG 15...	0800	--	6.5	22.0	27.0	5.9				

DATE	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	TUR- BID- ITY (JTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LINITY (MG/L AS CAC03)	NITRO- GEN, NO2+N03 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 08...	75	12	1.3	430	26	.70	.03	.20	3.0
FEB 07...	46	84	1.8	2300	14	.52	.11	.20	6.0
MAY 02...	50	15	1.3	230	19	.45	<.02	.09	<5.0
AUG 15...	67	14	1.9	<30	24	.06	.08	.02	1.0

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 (305 m) upstream from bridge on Price Mill Road, 3.0 mi (4.8 km) southwest of Bishop, 4.0 mi (6.4 km) upstream from Jacks Creek, and 4.0 mi (6.4 km) northeast of Bostwick.

DRAINAGE AREA.--176 mi² (456 km²).

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

GAGE.--Water-stage recorder. Altitude of gage is 535 ft (163 m), from topographic map.

REMARKS.--Records good except those for period of no gage-height record, July 5-23, which are poor. Some regulation at low flow from manipulation of High Shoals Dam.

AVERAGE DISCHARGE.--7 years (water years 1945-49, 1978-79), 273 ft³/s (7.73 m³/s), 21.06 in/yr (535 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 8,500 ft³/s (241 m³/s) Jan. 6, 1946, gage height, 8.9 ft (2.713 m);

minimum discharge, 35 ft³/s (0.99 m³/s) July 13, 1977.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 2,200 ft³/s (62.3 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)	Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
Feb. 24	1400	3630 103	5.35 1.631	Apr. 13	1800	*6980 198	7.09 2.161

Minimum discharge, 45 ft³/s (1.27 m³/s) Oct. 13.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	52	67	151	124	217	438	181	269	417	99	119	160
2	53	65	136	478	209	378	177	251	349	95	112	176
3	54	62	128	400	204	343	189	237	286	91	108	138
4	55	64	166	253	203	552	616	227	276	89	103	119
5	55	64	366	196	183	677	787	223	239	92	98	112
6	53	63	323	175	193	597	595	219	211	96	94	107
7	52	66	226	188	512	427	370	217	213	100	92	102
8	50	80	169	233	474	366	309	217	330	110	89	98
9	50	84	142	218	361	335	611	235	291	130	88	91
10	48	81	140	180	302	311	460	240	237	150	87	86
11	47	76	133	165	263	315	362	229	204	190	88	83
12	47	74	119	173	240	294	346	212	176	170	132	97
13	46	72	112	439	222	277	3710	293	160	140	129	93
14	63	72	110	389	211	278	4240	253	150	130	105	100
15	88	73	107	281	203	281	2920	223	144	120	94	100
16	78	74	107	224	194	268	924	198	143	110	90	92
17	61	75	108	200	183	259	556	179	140	105	90	89
18	57	126	107	182	203	256	411	171	135	100	84	114
19	56	166	105	169	213	229	358	167	128	98	84	160
20	57	139	105	338	225	209	317	162	123	150	80	147
21	56	120	109	1260	345	200	291	178	125	250	75	119
22	55	116	111	854	488	189	272	185	131	400	71	130
23	55	116	107	482	849	247	258	176	123	350	83	144
24	54	118	123	562	2240	379	244	217	118	286	106	122
25	55	115	163	532	2780	310	257	207	117	272	147	112
26	58	112	151	403	2520	243	512	177	117	269	166	108
27	62	131	127	320	1280	217	658	165	112	222	146	138
28	63	167	115	281	588	204	465	162	108	185	124	246
29	63	151	110	255	---	195	341	341	105	161	114	832
30	62	153	109	238	---	188	293	447	103	145	126	1430
31	61	---	114	228	---	184	---	363	---	131	136	---
TOTAL	1766	2942	4399	10420	16105	9646	22030	7040	5511	5036	3260	5645
MEAN	57.0	98.1	142	336	575	311	734	227	184	162	105	188
MAX	88	167	366	1260	2780	677	4240	447	417	400	166	1430
MIN	46	62	105	124	183	184	177	162	103	89	71	83
CFSM	.32	.56	.81	1.91	3.27	1.77	4.17	1.29	1.05	.92	.60	1.07
IN.	.37	.62	.93	2.20	3.40	2.04	4.66	1.49	1.16	1.06	.69	1.19

CAL YR 1978 TOTAL 68260 MEAN 187 MAX 4060 MIN 42 CFSM 1.06 IN 14.43
WTR YR 1979 TOTAL 93800 MEAN 257 MAX 4240 MIN 46 CFSM 1.46 IN 19.83

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 (30 m) upstream from bridge on State Highway 15, 5 mi (8.0 km) upstream from mouth, and 8.5 mi (13.7 km) northwest of Sparta.

DRAINAGE AREA.--15 mi² (39 km²), approximately.

PERIOD OF RECORD.--June 1960 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 395 ft (120 m), from topographic map. Prior to Aug. 17, 1963, water-stage recorder at site 100 ft (30 m) downstream at same datum.

REMARKS.--Records fair except those for periods of no gage-height record, June 10 to July 20 and Aug. 8 to Sept. 7, which are poor.

AVERAGE DISCHARGE.--19 years, 16.5 ft³/s (0.47 m³/s), 14.94 in/yr (379 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,770 ft³/s (107 m³/s) Feb. 24, 1961, gage height, 16.0 ft (4.88 m),

at former site; minimum daily, 0.13 ft³/s (0.004 m³/s) Oct. 10-12, 1978.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 600 ft³/s (17.0 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)	Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
Feb. 24	1315	*1440 40.8	12.46 3.800	Apr. 4	1315	628 17.8	9.38 2.859

Minimum daily discharge, 0.13 ft³/s (0.004 m³/s) Oct. 10-12.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.30	.45	1.3	1.3	3.9	18	8.1	11	4.4	2.0	1.5	1.2
2	.35	.40	.97	6.4	3.6	15	7.6	9.2	3.3	1.9	1.4	1.2
3	.32	.40	.84	3.9	3.6	13	7.6	8.0	4.4	1.8	1.3	1.3
4	.28	.45	.95	1.9	4.3	15	198	7.3	3.5	1.7	1.2	2.0
5	.22	.45	2.2	1.6	3.8	14	66	6.7	3.0	1.6	1.2	1.5
6	.18	.65	1.8	1.5	15	11	27	6.5	2.6	11	1.1	1.2
7	.16	.66	1.5	5.0	125	9.8	19	6.8	3.6	6.0	1.0	1.0
8	.14	.68	1.4	8.8	32	9.1	15	6.8	7.5	4.0	.90	.90
9	.14	.52	1.6	3.9	18	7.5	161	6.5	11	3.6	.86	.84
10	.13	.58	1.8	2.4	12	6.8	48	32	5.3	3.1	.82	.77
11	.13	.52	1.6	1.9	9.8	12	25	19	4.0	2.9	.78	.71
12	.13	.45	1.5	2.6	8.5	8.9	19	11	3.6	2.6	3.0	.77
13	.14	.51	1.4	4.4	7.3	8.0	157	12	3.2	2.4	1.9	1.2
14	.22	.52	1.4	3.2	6.5	8.3	131	12	4.0	2.2	1.2	1.3
15	.25	.53	1.4	2.1	6.1	7.8	41	7.9	3.3	2.0	1.0	.90
16	.19	.55	1.4	1.9	5.7	6.9	24	6.6	2.9	1.9	.85	.80
17	.20	.58	1.6	1.8	5.2	6.8	17	5.7	2.8	1.8	.78	.91
18	.20	.57	1.5	1.8	12	6.7	14	5.2	2.7	2.0	.74	1.1
19	.25	.50	1.5	1.7	11	6.6	12	5.1	2.6	2.0	.69	1.3
20	.22	.45	1.5	15	9.7	6.3	9.8	5.1	2.5	2.4	.64	1.2
21	.25	.48	1.8	71	65	6.3	8.5	5.3	2.4	9.6	.60	1.1
22	.23	.53	1.8	13	126	6.5	7.6	4.1	3.5	4.5	1.3	1.3
23	.23	.58	1.6	7.6	365	85	7.0	3.6	3.0	3.2	2.0	1.2
24	.25	.60	3.0	21	617	68	6.5	4.2	2.7	3.7	1.8	1.1
25	.28	.57	3.9	11	282	27	12	3.8	4.4	3.1	1.5	4.8
26	.30	.48	1.7	6.9	80	18	121	3.6	3.0	2.6	1.8	3.3
27	.38	1.5	1.4	5.4	34	14	54	3.4	2.7	2.3	1.3	3.1
28	.40	2.0	1.3	4.9	23	12	24	3.2	2.4	2.0	1.1	2.3
29	.40	1.5	1.1	4.3	---	11	16	4.2	2.2	1.9	2.2	1.7
30	.40	2.2	1.1	4.1	---	9.5	13	4.2	2.1	1.8	1.3	2.6
31	.40	---	1.2	4.2	---	8.7	---	3.6	---	1.6	1.2	---
TOTAL	7.67	20.86	49.06	226.5	1895.0	463.5	1276.7	233.6	108.6	95.2	38.96	44.60
MEAN	.25	.70	1.58	7.31	67.7	15.0	42.6	7.54	3.62	3.07	1.26	1.49
MAX	.40	2.2	3.9	71	617	85	198	32	11	11	3.0	4.8
MIN	.13	.40	.84	1.3	3.6	6.3	6.5	3.2	2.1	1.6	.60	.71
CFSM	.02	.05	.11	.49	4.51	1.00	2.84	.50	.24	.21	.08	.10
IN.	.02	.05	.12	.56	4.70	1.15	3.17	.58	.27	.24	.10	.11

CAL YR 1978	TOTAL	3664.18	MEAN 10.0	MAX 565	MIN .13	CFSM .67	IN 9.09
WTR YR 1979	TOTAL	4460.25	MEAN 12.2	MAX 617	MIN .13	CFSM .81	IN 11.06

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 (1.4 km) downstream from Gladys Creek, and 3.0 mi (4.8 km) west of Eatonton.

DRAINAGE AREA.--262 mi² (679 km²).

PERIOD OF RECORD.--Water years 1971-77 (annual maximum), August 1977 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 370 ft (113 m), from topographic map.

REMARKS.--Records good except those for period of no gage-height record, Dec. 21 to Jan. 3, which are fair.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 12,600 ft³/s (357 m³/s) Mar. 3, 1971, gage height, 24.4 ft (7.44 m);

minimum daily, 15 ft³/s (0.40 m³/s) Oct. 11, 12, 1978.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 2,000 ft³/s (56.6 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)	Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
Feb. 24	1600	*9590 272	21.71 6.617	Apr. 9	0600	2500 70.8	10.29 3.136
Apr. 4	1400	2020 57.2	9.10 2.774	Apr. 15	0300	2080 58.9	9.24 2.816

Minimum discharge, 15 ft³/s (0.42 m³/s) Oct. 11, 12.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	28	27	104	80	172	513	199	292	238	65	46	63
2	34	28	85	250	157	425	193	271	235	61	43	68
3	33	28	70	480	149	367	193	256	181	57	39	67
4	35	28	69	275	155	440	1120	245	259	54	36	66
5	30	30	153	196	150	617	1430	238	180	67	33	61
6	26	30	242	160	244	500	885	236	147	68	31	57
7	21	31	154	161	1390	385	463	236	139	59	29	48
8	18	35	110	229	1190	333	367	255	465	62	28	42
9	17	45	97	215	646	291	1950	295	343	72	27	38
10	16	49	104	163	404	259	1330	283	219	105	26	33
11	15	44	93	143	311	322	664	318	167	135	30	30
12	15	41	79	140	265	322	489	262	138	123	50	28
13	16	39	73	195	240	260	790	393	119	106	43	32
14	25	37	68	257	224	243	1800	295	108	91	43	38
15	35	37	67	209	208	235	1690	257	103	78	37	40
16	37	39	66	170	198	214	765	216	99	68	31	39
17	31	42	69	152	185	200	511	190	98	60	28	41
18	24	43	70	143	202	195	425	173	94	56	26	49
19	24	47	69	135	231	193	371	161	89	55	25	62
20	23	56	69	173	256	187	337	154	83	81	25	72
21	24	51	70	898	712	182	313	149	81	120	23	63
22	25	47	80	1100	1400	186	291	141	103	176	25	60
23	26	46	74	517	3030	494	275	135	88	130	38	58
24	27	46	76	522	7640	787	263	148	81	98	59	58
25	27	46	140	526	5630	514	289	153	93	99	59	60
26	26	45	115	363	2650	355	779	138	92	95	81	66
27	26	56	90	279	1340	287	783	127	84	85	173	92
28	28	87	85	239	685	251	487	124	77	73	107	130
29	30	104	80	208	---	232	368	160	71	64	69	163
30	29	104	76	186	---	216	317	197	68	56	85	167
31	26	---	74	179	---	207	---	191	---	50	85	---
TOTAL	797	1388	2871	8943	30064	10212	20137	6689	4342	2569	1480	1891
MEAN	25.7	46.3	92.6	288	1074	329	671	216	145	82.9	47.7	63.0
MAX	37	104	242	1100	7640	787	1950	393	465	176	173	167
MIN	15	27	66	80	149	182	193	124	68	50	23	28
CFSM	.10	.18	.35	1.10	4.10	1.26	2.56	.82	.55	.32	.18	.24
IN.	.11	.20	.41	1.27	4.27	1.45	2.86	.95	.62	.36	.21	.27
CAL YR 1978	TOTAL	74553	MEAN 204	MAX 6480	MIN 15	CFSM .78	IN 10.59					
WTR YR 1979	TOTAL	91383	MEAN 250	MAX 7640	MIN 15	CFSM .95	IN 12.97					

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 (76 m) upstream from bridge on county road S-777, 3.0 mi (4.8 km) downstream from Beaverdam Creek, 5.8 mi (9.3 km) upstream from mouth, and 7.5 mi (12.1 km) southwest of Eatonton.

DRAINAGE AREA.--190 mi² (492 km²).

PERIOD OF RECORD.--April 1977 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 375 ft (114 m), from topographic map.

REMARKS.--Records good.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 6,270 ft³/s (178 m³/s) Feb. 24, 1979, gage height, 9.19 ft (2.801 m); minimum discharge, 18 ft³/s (0.51 m³/s) Oct. 8, 9, 1978.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 1,800 ft³/s (51.0 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)	Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
Feb. 24	1630	*6270 178	9.19 2.801	Apr. 10	0830	2600 73.6	5.33 1.624

Minimum discharge, 18 ft³/s (0.51 m³/s) Oct. 8, 9.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	24	23	59	50	115	295	151	182	144	55	43	45
2	27	23	48	201	106	243	146	171	128	50	39	47
3	26	23	42	295	103	214	147	163	105	48	37	43
4	25	24	44	144	109	272	1040	159	125	45	36	45
5	24	24	103	105	108	370	1510	159	100	71	34	46
6	22	25	104	92	152	268	718	164	88	152	33	40
7	19	25	63	94	1080	222	336	161	84	81	31	37
8	18	26	52	140	951	200	267	166	108	68	29	34
9	18	31	51	115	402	184	1690	174	114	70	28	33
10	20	30	57	94	244	170	2160	166	92	111	27	31
11	20	29	52	85	190	221	682	168	82	114	26	29
12	20	29	46	83	164	213	385	204	74	90	41	28
13	19	31	44	110	148	180	441	267	69	80	46	29
14	23	31	44	123	134	172	1090	215	65	68	35	35
15	32	31	42	105	126	171	1040	167	64	61	30	35
16	27	31	42	91	122	154	434	145	66	55	28	32
17	24	32	44	86	115	147	312	133	66	51	26	36
18	24	32	46	82	125	145	259	123	64	57	25	49
19	24	35	44	78	146	143	230	117	62	58	25	51
20	25	35	43	98	161	141	211	114	61	80	24	47
21	24	32	46	545	467	139	196	112	60	149	23	42
22	23	32	49	740	998	137	184	110	103	112	25	44
23	23	36	46	285	1950	339	176	105	93	76	51	45
24	23	32	50	342	5110	562	169	112	72	64	136	42
25	23	32	85	335	4660	300	197	108	85	70	87	49
26	24	31	70	218	2010	223	507	98	81	81	143	54
27	24	38	57	175	831	193	408	93	71	70	119	83
28	25	61	52	153	410	177	268	88	65	62	68	120
29	25	57	49	132	---	166	218	99	60	55	53	79
30	26	54	47	122	---	158	195	118	59	50	56	63
31	23	---	49	119	---	154	---	121	---	46	55	---
TOTAL	724	975	1670	5437	21237	6673	15767	4482	2510	2300	1459	1393
MEAN	23.4	32.5	53.9	175	758	215	526	145	83.7	74.2	47.1	46.4
MAX	32	61	104	740	5110	562	2160	267	144	152	143	120
MIN	18	23	42	50	103	137	146	88	59	45	23	28
CFSM	.12	.17	.28	.92	3.99	1.13	2.77	.76	.44	.39	.25	.24
IN.	.14	.19	.33	1.06	4.16	1.31	3.09	.88	.49	.45	.29	.27
CAL YR 1978 TOTAL	53967	MEAN 148	MAX 4690	MIN 18	CFSM .78	IN 10.57						
WTR YR 1979 TOTAL	64627	MEAN 177	MAX 5110	MIN 18	CFSM .93	IN 12.65						

02223000 OCONEE RIVER AT MILLEDGEVILLE, GA.

LOCATION.--Lat 33°04'58", long 83°12'51", Baldwin County, Hydrologic Unit 03070101, at right bank on city of Milledgeville water works intake structure at Milledgeville, 0.5 mi (0.8 km) upstream from bridge on State Highway 24, 3.8 mi (6.1 km) downstream from Sinclair Dam of Georgia Power Co., and at mile 139.1 (223.8 km).
DRAINAGE AREA.--2,950 mi² (7,640 km²), approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--August 1903 to current year. Monthly discharge only for some periods, published in WSP 1304.

REVISED RECORDS.--WSP 1142: 1928(M). WSP 1504: 1903-4, 1908, 1912-13, 1914(M), 1915-17. WSP 1554: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 230.84 ft (70.360 m) 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 (0.8 km) downstream, and Oct. 1, 1939, to Mar. 8, 1966, water-stage recorder 0.3 mi (0.5 km) 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 (10.9 km) upstream at different datum.

REMARKS.--Records good. Flow regulated by Lake Oconee since January 1979 and Sinclair Reservoir since November 1952. (See "Lakes and Reservoirs in Altamaha River Basin," stations 02220450 and 02225000.)

AVERAGE DISCHARGE.--76 years, 3,370 ft³/s (95.4 m³/s), 15.51 in/yr (394 mm/yr), adjusted.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 122,000 ft³/s (3,460 m³/s) Feb. 25, 1961, gage height, 42.9 ft (13.08 m), from rating curve extended above 77,000 ft³/s (2,180 m³/s); minimum daily, 90 ft³/s (2.55 m³/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 (14.23 m) in 1886 at site 0.5 mi (0.8 km) downstream at present datum, from information by Georgia Department of Transportation.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 59,000 ft³/s (1,670 m³/s) Feb. 25, gage height, 34.24 ft (10.436 m); minimum daily, 316 ft³/s (8.95 m³/s) June 6.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP		
1	481	1320	1290	322	3690	18200	336	1540	331	330	336	362		
2	454	1540	356	3660	2520	7760	1720	356	1660	327	340	362		
3	405	1240	356	3850	1230	11300	1870	1230	416	328	810	2460		
4	421	380	1770	2540	329	12900	5670	3710	1170	324	328	2590		
5	426	380	2140	1770	2050	7510	7000	3790	331	327	344	1820		
6	370	370	1990	3410	2370	7180	2010	725	316	332	336	430		
7	370	360	2470	1340	5190	6400	896	1620	332	333	340	1630		
8	365	396	2490	4260	7490	6240	1070	3030	332	333	336	546		
9	360	1450	1410	2570	7400	6230	7400	3960	332	333	336	350		
10	360	380	1380	2150	7070	6210	7520	2270	328	338	340	340		
11	356	370	1750	1240	5120	5710	7440	1180	845	330	348	450		
12	360	365	1430	3770	3540	4320	8100	2560	324	327	356	3950		
13	352	370	1450	3640	3760	4360	14800	3680	607	327	344	2800		
14	362	370	1200	711	4440	2860	16100	2860	339	326	1760	375		
15	365	1490	1570	2070	4190	1310	25700	3740	324	329	2870	350		
16	365	1300	360	3780	3700	1700	24200	2750	325	324	373	350		
17	360	370	348	2410	3920	332	17900	1490	326	335	1360	340		
18	360	360	786	2020	3930	332	15100	1000	321	332	347	340		
19	360	352	1130	2510	3760	2200	8950	1180	320	331	348	335		
20	360	926	1290	3930	4070	389	1400	2120	322	353	344	340		
21	360	1200	1480	6560	4750	765	917	3380	323	360	344	335		
22	352	1620	344	4200	5290	1120	1580	2570	323	350	352	335		
23	348	899	332	1500	8940	2160	3930	1390	328	340	1840	340		
24	348	720	344	3840	31000	4180	4100	2950	335	340	2030	340		
25	344	370	336	4170	53200	383	4400	3300	327	338	2320	3250		
26	583	352	3020	4230	29500	1650	7770	1810	327	333	1350	700		
27	365	1660	1940	4920	25100	1570	7450	358	325	327	1950	2650		
28	365	996	2870	2930	14800	1270	7320	369	2890	329	2930	600		
29	365	3340	1840	4230	---	2420	7110	1060	715	340	1840	2700		
30	360	882	1290	4800	---	487	5660	360	332	336	1660	2950		
31	1280	---	326	4060	---	335	---	338	---	340	1270	---		
TOTAL	12682	26128	41088	97393	252349	129783	225419	62676	15826	10352	30182	34720		
MEAN	409	871	1325	3142	9012	4187	7514	2022	528	334	974	1157		
MAX	1280	3340	3020	6560	53200	18200	25700	3960	2890	360	2930	3950		
MIN	344	352	326	322	329	332	336	338	316	324	328	335		
MEAN†	432	730	1348	3645	10440	4593	8881	2440	1693	1648	969	1244		
CFSM†	0.15	0.25	0.46	1.24	3.54	1.56	3.01	0.83	0.57	0.56	0.33	0.42		
IN†	0.17	0.28	0.53	1.43	3.69	1.80	3.36	0.96	0.64	0.65	0.38	0.47		
CAL YR 1978	TOTAL	936904	MEAN	2567	MAX	50200	MIN	240	MEAN†	2584	CFSM†	0.88	IN†	11.94
WTR YR 1979	TOTAL	938598	MEAN	2572	MAX	53200	MIN	316	MEAN†	3113	CFSM†	1.06	IN†	14.39

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

ALTAMAHA RIVER BASIN

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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, Air Temperature, Water Temperature, pH, and Dissolved Oxygen by U.S. Geological Survey.

WATER QUALITY DATA. WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	PH (UNITS)	TEMPER- ATURE, AIR (DEG C)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
OCT						
11...	1630	355	6.8	26.0	23.0	8.6
NOV						
08...	1015	338	7.0	13.0	17.5	8.9
DEC						
07...	1125	4900	7.1	12.5	16.0	6.9
JAN						
11...	1435	826	6.8	13.0	10.0	8.0
FEB						
07...	0850	4100	7.1	2.0	6.0	11.2
MAR						
08...	1150	6250	6.7	15.0	11.0	8.8
APR						
12...	0850	7420	6.9	22.0	16.0	7.8
MAY						
02...	0940	348	6.8	22.5	19.0	8.8
JUN						
06...	1015	316	6.7	26.0	21.0	8.5
JUL						
11...	0630	336	6.8	22.0	22.0	9.0
AUG						
16...	1005	344	6.9	22.0	24.5	6.7
SEP						
05...	1125	365	7.0	28.0	26.0	4.6

DATE	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	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 CAC03)
OCT							
11...	72	--	28	.6	210	40	--
NOV							
08...	73	--	34	.6	930	120	--
DEC							
07...	76	--	90	1.0	430	<30	--
JAN							
11...	72	--	32	.4	90	<30	--
FEB							
07...	66	--	50	.8	--	<30	--
MAR							
08...	38	--	120	1.1	930	110	--
APR							
12...	46	180	80	.2	150	<30	24
MAY							
02...	45	220	48	.7	9300	230	20
JUN							
06...	53	300	104	.3	9300	61	16
JUL							
11...	57	400	70	<.1	40	40	22
AUG							
16...	64	160	68	.8	40	40	24
SEP							
05...	65	70	21	.3	40	40	20

ALTAMAHA RIVER BASIN

02223000 OCONEE RIVER AT MILLEDGEVILLE, GA.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	ALKALINITY (MG/L AS CAC03)	SOLIDS, RESIDUE AT 105 DEG. C. SUS- PENDE (MG/L)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 11...	25	--	.23	<.02	.04	500	165	2.0
NOV 08...	26	--	.31	.06	.04	700	180	3.0
DEC 07...	25	--	.36	.02	.12	3150	210	1.0
JAN 11...	22	--	.40	<.02	.08	740	70	<1.0
FEB 07...	19	--	.47	.08	.08	3250	70	<1.0
MAR 08...	9	36	.03	.05	.08	6300	160	5.0
APR 12...	14	22	.28	<.02	.08	570	60	6.0
MAY 02...	15	22	.33	<.02	.11	5000	170	<5.0
JUN 06...	15	29	.38	<.02	.17	3800	170	3.5
JUL 11...	20	22	.12	<.02	.13	5600	410	4.0
AUG 16...	24	21	.07	.09	.07	2960	1120	7.0
SEP 05...	24	<1	.02	.08	<.02	1060	540	1.0

ALTAMAHA RIVER BASIN

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02223040 OCONEE RIVER NEAR HARDWICK, GA.

LOCATION.--Lat 33°01'45", long 83°11'24", Baldwin County, Hydrologic Unit 03070102, on right bank 1 mi (1.6 km) downstream from Camp Creek, and 3 mi (4.8 km) 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, Air Temperature, Water Temperature, pH, and Dissolved Oxygen by 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 1978 TO SEPTEMBER 1979

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	PH (UNITS)	TEMPER- ATURE, AIR (DEG C)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
OCT 11...	1145	355	6.9	23.0	21.0	7.9
NOV 08...	1120	352	7.1	15.0	17.0	8.0
DEC 07...	1230	3500	7.1	19.0	16.5	8.0
JAN 11...	1530	611	6.8	13.0	9.0	9.5
FEB 07...	0920	3900	6.5	1.5	6.0	11.0
MAR 08...	1100	6200	6.7	13.0	11.0	9.2
APR 12...	1130	7420	7.2	25.0	16.5	8.0
MAY 02...	1100	352	7.0	22.0	19.0	7.4
JUN 06...	1100	316	6.9	27.0	22.0	7.6
JUL 10...	1415	352	7.0	23.0	22.0	8.0
AUG 16...	1045	340	6.9	23.0	24.0	4.7
SEP 05...	1325	365	7.0	27.0	26.0	5.5

DATE	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	HARD- NESS (MG/L AS CAC03)	ALKA- LINITY (MG/L AS CAC03)
OCT 11...	80	--	27	1.3	230	--	27
NOV 08...	81	--	32	1.2	430	--	28
DEC 07...	77	--	99	.8	40	--	25
JAN 11...	73	--	35	.6	1500	--	22
FEB 07...	56	--	84	1.5	3900	--	14
MAR 08...	40	--	116	1.0	3900	--	10
APR 12...	50	160	80	.5	150	20	14
MAY 02...	57	180	46	1.7	43000	24	19
JUN 06...	65	210	74	1.4	4900	20	19
JUL 10...	70	320	62	1.3	23000	26	22
AUG 16...	78	180	93	2.9	430	24	26
SEP 05...	72	70	22	.7	4300	20	26

ALTAMAHA RIVER BASIN

02223040 OCONEE RIVER NEAR HARDWICK, GA.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	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)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT							
11...	--	.31	.13	.11	--	--	3.0
NOV							
08...	--	.32	.15	.10	--	--	3.0
DEC							
07...	--	.37	<.02	.14	--	--	1.0
JAN							
11...	--	.40	<.02	.10	--	--	3.6
FEB							
07...	--	.35	.06	.14	--	--	7.0
MAR							
08...	24	.28	.05	.08	5540	130	5.0
APR							
12...	35	.22	<.02	.08	900	100	6.0
MAY							
02...	35	.30	.12	.15	4500	280	<5.0
JUN							
06...	10	.35	.08	.19	3600	70	3.0
JUL							
10...	45	.14	.14	.20	5900	380	3.0
AUG							
16...	43	.08	.15	.09	4400	1280	4.0
SEP							
05...	<1	.06	.16	--	1460	540	<1.0

02223250 OCONEE RIVER NEAR TOOMSBORO, GA.

LOCATION.--Lat 32°46'54", long 82°57'30", Wilkinson-Washington County line, Hydrologic Unit 03070102, at bridge on State Route 57, 3.2 mi (5.1 km) downstream of Commissioner Creek, 7.5 mi (12.1 km) east of Toombsboro, and at mile 96.2 (154.8 km).
DRAINAGE AREA.--3,770 mi² (9,760 km²).
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, Air Temperature, Water Temperature, pH, and Dissolved Oxygen by 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 1978 TO SEPTEMBER 1979

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	PH (UNITS)	TEMPER- ATURE, AIR (DEG C)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
FEB						
07...	1030	6300	6.8	3.5	6.0	9.8
MAR						
08...	1025	9000	6.6	16.5	12.0	8.3
APR						
12...	1030	9200	7.0	24.0	17.5	7.6
MAY						
03...	0815	2170	7.0	21.5	19.0	7.7
JUN						
06...	1150	1060	7.1	30.0	25.0	7.0
JUL						
10...	1315	480	7.1	23.0	23.0	9.1
AUG						
16...	1130	2900	7.0	25.0	26.0	7.2
SEP						
05...	1455	3800	7.1	--	25.0	6.1

DATE	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	HARD- NESS (MG/L AS CAC03)	ALKA- LINITY (MG/L AS CAC03)
FEB							
07...	73	--	58	.7	2100	18	15
MAR							
08...	53	--	90	1.8	2300	--	9
APR							
12...	57	140	66	.4	750	24	13
MAY							
03...	64	120	42	.9	930	22	18
JUN							
06...	89	210	62	.8	90	22	17
JUL							
10...	128	280	70	.8	390	36	21
AUG							
16...	63	180	128	1.3	930	24	22
SEP							
05...	72	100	50	.6	430	20	22

ALTAMAHA RIVER BASIN

02223250 OCONEE RIVER NEAR TOOMSBORO, GA.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDE (MG/L)	NITRO- GEN, NO2+N03 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	CARBON, ORGANIC TOTAL (MG/L AS C)
FEH							
07...	79	.44	.06	.12	3000	270	2.0
MAR							
08...	--	.19	<.02	.07	--	--	5.7
APR							
12...	43	.20	<.02	.09	1300	100	7.0
MAY							
03...	31	.20	.02	.12	3800	175	<5.0
JUN							
06...	39	.30	<.02	.15	5200	300	4.3
JUL							
10...	77	.54	.02	.28	4800	300	1.5
AUG							
16...	72	.19	.06	.08	4600	420	2.0
SEP							
05...	32	.08	.04	.09	3440	250	<1.0

ALTAMAHA RIVER BASIN

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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 (119.5 km).
DRAINAGE AREA.--4,400 mi² (11,400 km²), approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--January 1894 to September 1897 (gage heights only), October 1897 to current year. Monthly discharge only for some periods, published in WSP 1304. 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 (45.440 m) 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 (128 m) downstream at datum 3.0 ft (0.91 m) higher, Oct. 1, 1933, to July 17, 1934 corrected to present datum. July 18, 1934, to Apr. 14, 1936, water-stage recorder, Apr. 15, 1936, to Oct. 12, 1938, nonrecording gage, and Oct. 13, 1938, to Jan. 20, 1953, water-stage recorder at site 80 ft (24 m) upstream at present datum.

REMARKS.--Records good. Flow regulated by Lake Oconee and Sinclair Reservoir. (See "Lakes and Reservoirs in Altamaha River Basin", stations 02220450 and 02222500.) Records of chemical analyses for the water years 1968-73 are published in reports of the Geological Survey.

AVERAGE DISCHARGE.--82 years (1897-1979), 5,061 ft³/s (143 m³/s), 15.62 in/yr (397 mm/yr), unadjusted.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 97,700 ft³/s (2,770 m³/s) Apr. 12, 13, 1936, gage height, 32.97 ft (10.049 m); minimum, 333 ft³/s (9.43 m³/s) Sept. 12, 1951, gage height, 0.48 ft (0.146 m).

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known since at least 1893, that of Apr. 12, 13, 1936.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 48,500 ft³/s (1,370 m³/s) Feb. 28, gage height, 27.56 ft (8.400 m); minimum daily, 525 ft³/s (14.9 m³/s) Oct. 27.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	641	628	2870	1500	5110	44700	2160	10900	1280	980	915	2080
2	634	1100	1840	1150	5080	38400	1840	7970	1350	706	875	1650
3	648	1330	1560	2250	4270	31600	1980	3770	1480	638	795	1170
4	620	1340	1060	4010	2920	27200	2960	2350	2110	608	736	1280
5	607	1140	1190	3850	1960	22800	4560	3140	1470	597	890	3100
6	604	725	2020	3150	1970	18900	7490	4250	1500	619	702	2680
7	598	651	2120	2770	4150	16300	7830	3920	1030	619	666	2140
8	574	639	2470	3280	7090	14600	5360	2430	985	650	638	1330
9	552	624	2800	3260	8580	12600	3670	3120	1130	698	608	1790
10	551	798	2120	4340	9410	10400	6200	4310	1100	799	590	1130
11	546	1140	1790	2760	9890	9160	8110	4120	980	841	580	865
12	542	732	2140	2730	9400	8910	9170	4020	935	822	587	757
13	539	643	1900	2830	7120	7650	9730	3440	1130	790	604	1430
14	563	620	1750	4140	5330	7000	10300	4920	870	759	615	4140
15	569	614	1370	3260	5740	6530	11200	4980	915	719	619	1690
16	585	790	1730	2340	5580	4620	12400	4640	817	678	1670	896
17	568	1360	1410	3070	4970	3590	15400	4370	728	658	2020	812
18	569	1170	905	3750	4890	3150	21900	2950	698	706	938	827
19	555	752	855	2650	5250	2290	25200	2260	682	1050	1190	827
20	547	658	1160	2590	5290	2400	24500	1880	662	1350	736	816
21	542	634	1400	3950	5900	2980	21900	2010	678	2220	618	799
22	541	985	1580	7080	8420	2140	17000	3200	754	3420	588	779
23	539	1290	1340	7610	10400	2340	8160	3520	714	2580	621	747
24	531	1480	988	5480	13500	3510	4440	2660	674	2440	794	710
25	526	1120	1140	4780	16800	6740	5020	2080	702	2490	2430	773
26	527	943	1140	5900	20000	5200	7150	3470	694	1970	2510	1820
27	525	774	1600	5890	35700	4390	9040	3120	678	1510	2410	3060
28	655	988	2770	6230	47500	4150	10400	1970	662	1230	2110	2990
29	585	1640	2630	5440	---	3400	11000	1140	836	1090	3010	3490
30	552	2470	2770	4390	---	3320	11300	1020	2240	975	2460	3210
31	535	---	1980	5620	---	3190	---	1400	---	895	2320	---
TOTAL	17670	29778	54398	122050	272220	334160	297370	109330	30484	36107	36845	49788
MFAN	570	993	1755	3937	9722	10780	9912	3527	1016	1165	1189	1660
MAX	655	2470	2870	7610	47500	44700	25200	10900	2240	3420	3010	4140
MTN	525	614	855	1150	1960	2140	1840	1020	662	597	580	710

CAL YR 1978 TOTAL 1377829 MEAN 3775 MAX 44400 MIN 525 MEAN† 3792 CFSM† 0.86 IN† 11.67
WTR YR 1979 TOTAL 1390200 MEAN 3809 MAX 47500 MIN 525 MEAN† 4350 CFSM† .99 IN† 13.44

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

ALTAMAHA RIVER BASIN

02223500 OCONEE RIVER AT DUBLIN, GA.--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 1963 to September 1964, February 1968 to July 1973, June 1979 to current year.

PERIOD OF DAILY RECORD.--

WATER TEMPERATURES: October 1963 to September 1964, June 1979 to current year.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURES: Maximum, 31.5°C Aug. 9, 10, 1979; minimum, 4.0°C Jan. 15, 1964.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURES: Maximum 31.5°C Aug. 9, 10; minimum, 20.0°C Sept. 26.

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1					---	---	26.5	24.0	30.0	28.0	27.5	26.5
2					---	---	28.0	25.0	30.5	28.0	28.0	26.5
3					---	---	28.5	26.0	30.5	28.5	27.5	26.5
4					---	---	29.5	27.5	31.0	29.0	27.5	25.5
5					---	---	30.0	28.0	31.0	29.0	25.5	24.5
6					---	---	28.0	26.5	30.5	29.0	27.0	25.0
7					---	---	27.5	26.0	30.5	28.5	28.0	26.5
8					---	---	26.0	24.0	31.0	29.0	28.0	26.5
9					---	---	24.5	23.5	31.5	29.5	27.5	26.0
10					---	---	24.5	23.5	31.5	29.5	26.0	24.5
11					---	---	25.0	24.0	31.0	29.0	26.0	24.5
12					---	---	25.5	24.5	29.5	28.0	26.0	25.0
13					---	---	27.5	25.0	28.5	26.5	26.5	25.0
14					---	---	29.0	25.5	28.5	26.5	26.5	25.5
15					---	---	30.0	27.5	28.5	26.0	26.5	25.5
16					---	---	30.5	28.5	27.5	25.0	26.5	24.5
17					---	---	30.5	29.0	25.0	24.0	24.5	23.0
18					---	---	29.5	28.0	26.5	24.0	24.0	22.5
19					---	---	29.0	27.0	27.5	25.0	24.5	23.0
20					27.5	26.0	28.0	26.5	28.5	26.0	24.0	23.5
21					27.5	25.5	27.0	25.5	29.5	27.5	24.0	23.5
22					27.5	25.5	26.0	25.0	30.0	28.0	25.5	24.0
23					28.0	26.0	26.0	26.0	28.5	27.5	24.5	23.5
24					28.0	26.5	26.5	25.5	28.5	26.5	24.0	21.5
25					26.5	24.5	26.0	25.5	27.0	25.5	21.5	20.5
26					24.5	23.5	26.0	25.5	27.0	25.5	21.0	20.0
27					25.5	23.0	27.5	25.5	26.5	26.0	22.0	21.5
28					26.0	23.5	28.5	26.5	27.5	26.0	22.5	21.5
29					26.5	24.0	29.0	27.0	26.5	25.5	23.5	22.5
30					25.0	23.5	30.0	27.5	27.5	26.0	24.0	23.0
31					---	---	30.0	28.5	28.0	27.0	---	---
MONTH					28.0	23.0	30.5	23.5	31.5	24.0	28.0	20.0

ALTAMAHA RIVER BASIN

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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 (6.4 km) upstream from Pughes Creek, 4.5 mi (7.2 km) southeast of Dublin, and at mile 69.9 (112.5 km).

DRAINAGE AREA.--4,400 mi² (11,400 km²), 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, Air Temperature, Water Temperature, pH, and Dissolved Oxygen by 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 1978 TO SEPTEMBER 1979

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	PH (UNITS)	TEMPER- ATURE, AIR (DEG C)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
OCT 02...	1145	629	7.1	25.0	20.0	9.3
NOV 13...	1120	645	7.2	22.0	15.0	9.0
DEC 12...	1050	2080	7.3	6.0	7.5	11.6
JAN 11...	1420	2330	6.7	13.0	4.0	11.9
FEB 08...	1250	7250	6.9	13.5	3.0	12.8
MAR 07...	1130	16300	6.7	18.0	13.0	--
APR 06...	1010	7600	7.0	21.0	15.5	8.4
MAY 11...	1000	4090	7.1	27.5	21.0	8.4
JUN 12...	0635	920	7.1	17.5	25.0	7.0
JUL 18...	1430	673	6.9	30.5	29.0	6.0
AUG 10...	0920	585	6.9	33.0	30.0	5.7
SEP 13...	0930	718	7.3	29.0	26.0	6.3

DATE	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	OXYGEN DEMAND, CHEM- ICAL (LOW LEVEL) (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)
OCT 02...	124	80	25	--	1.1	930
NOV 13...	120	50	24	--	1.0	230
DEC 12...	95	100	48	--	.9	9300
JAN 11...	83	80	37	--	.9	190
FEB 08...	65	120	84	--	1.4	7500
MAR 07...	48	315	99	--	1.0	330
APR 06...	45	180	116	--	1.5	4300
MAY 11...	50	200	76	--	.8	9300
JUN 12...	110	100	24	--	.9	2300
JUL 18...	132	90	28	17	--	--
AUG 10...	110	100	35	13	1.2	930
SEP 13...	113	50	14	12	.5	930

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	ALKALINITY (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)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 02...	30	10	.41	.11	--	.16	--
NOV 13...	26	3	.35	.10	--	.14	3.0
DEC 12...	23	34	.34	.06	--	.12	2.0
JAN 11...	20	18	.35	<.02	--	.13	2.0
FEB 08...	14	111	.36	.06	--	.16	4.0
MAR 07...	11	19	.19	<.02	--	.17	6.0
APR 06...	12	122	.26	<.02	--	.17	6.0
MAY 11...	15	56	.32	<.02	--	.10	<5.0
JUN 12...	26	1	.37	.09	--	.13	5.0
JUL 18...	26	23	.35	.34	.75	.16	5.0
AUG 10...	25	14	.19	.20	.60	.12	2.0
SEP 13...	29	1	.20	.30	<.30	.14	3.0

02224000 ROCKY CREEK NEAR DUDLEY, GA.

WATER-QUALITY RECORDS

LOCATION.--Lat 32°29'38", long 83°08'49", Laurens County, Hydrologic Unit 03070102, on downstream side of highway bridge, 3.2 mi (5.1 km) upstream from Buckhorn Branch, and 5 mi (8.0 km) southwest of Dudley.

DRAINAGE AREA.--62.9 mi² (163 km²).

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)				
MAR 06...	1045	120	57	6.0	15.0	8.6				
AUG 07...	0945	6.0	93	6.8	26.0	6.4				
DATE	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	HARD- NESS (MG/L AS CAC03)	HARD- NESS, NONCAR- BONATE (MG/L CAC03)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LITY (MG/L AS CAC03)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2)
MAR 06...	75	9.0	17	0	5.0	1.0	2.9	1.7	17	--
AUG 07...	40	6.0	38	9	13	1.4	2.9	1.3	29	9.0
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)	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,NH4 + ORG. SUSP. TOTAL (MG/L AS N)
MAR 06...	3.2	6.1	.0	6.5	60	.43	.01	.47	.48	.13
AUG 07...	1.9	6.1	.1	10	68	.36	.00	.65	.65	.04
DATE	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)	ALUM- INUM, TOTAL RECOV- ERABLE (UG/L AS AL)	ALUM- INUM, DIS- SOLVED (UG/L AS AL)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC DIS- SOLVED (UG/L AS AS)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)
MAR 06...	.35	.91	.04	.03	--	40	3	2	1	0
AUG 07...	.61	1.0	.05	.04	400	30	2	2	2	<10
DATE	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)	CARBON, ORGANIC TOTAL (MG/L AS C)
MAR 06...	2	570	3	2	60	<.5	<.5	0	0	6.5
AUG 07...	1	1000	2	0	130	<.5	<.5	0	30	6.2

ALTAMAHA RIVER BASIN

02225000 ALTAMAHA RIVER NEAR BAXLEY, GA.

LOCATION.--Lat 31°56'20", long 82°21'25", Appling-Toombs County line, Hydrologic Unit 03070106, on right bank 400 ft (122 m) downstream from bridge on U.S. Highway 1, 2.2 mi (3.5 km) upstream from Bay Creek, 8 mi (12.9 km) downstream from Bullards Creek, and 12 mi (19.3 km) north of Baxley.

DRAINAGE AREA.--11,600 mi² (30,000 km²), 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 (18.748 m) National Geodetic Vertical Datum of 1929. Aug. 13, 1949, to June 30, 1951, nonrecording gage at site 400 ft (122 m) upstream at same datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--10 years (1949-50, 1971-79), 12,400 ft³/s (351 m³/s), 14.52 in/yr (369 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 97,500 ft³/s (2,760 m³/s) Mar. 12, 1971, gage height, 22.7 ft (6.92 m); minimum daily, 2,100 ft³/s (59.5 m³/s) Oct. 9-12, 1970.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Dec. 10, 1948, reached a stage of 25.1 ft (7.65 m), from floodmark, discharge, 130,000 ft³/s (3,680 m³/s).

Flood of January 1925 reached a stage of 30.0 ft (9.14 m), from information furnished by Georgia Department of Transportation.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 76,000 ft³/s (2,150 m³/s) Mar. 6, gage height, 20.95 ft (6.379 m); minimum daily, 1,940 ft³/s (54.9 m³/s) Nov. 3.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2460	2040	3840	5440	12800	45300	12400	24600	5830	3870	6460	5570
2	2440	1980	4480	5340	13200	49800	12400	23400	6010	4290	5750	5560
3	2430	1940	4990	5310	13500	56400	11900	23400	6420	4220	4990	5380
4	2420	2090	4800	5380	13700	64400	11400	23900	6480	3700	4510	5220
5	2420	2400	4700	5540	13600	73100	10900	23800	6600	3400	4320	5120
6	2420	2630	4470	6340	13100	75500	10900	21100	7080	3230	4160	5300
7	2380	2640	4170	6840	13300	73100	11600	18100	7000	3310	3960	6030
8	2370	2430	4210	7300	15000	67100	12700	17400	6760	3410	3680	6410
9	2340	2240	4410	7830	17100	59500	13700	17300	6290	3440	3380	6080
10	2330	2120	4560	8390	18400	53200	14300	16300	6020	3570	3180	5350
11	2300	2050	5020	8340	19100	48300	14100	15100	5890	3720	3060	4940
12	2260	2020	5220	8780	19100	43700	13800	14500	5810	3920	2960	4380
13	2250	2260	5100	8430	18700	39200	14900	14500	5640	4290	2910	3870
14	2240	2340	5190	8160	18600	34500	16700	16700	5390	4330	2860	3430
15	2210	2180	5180	8180	18600	30100	18700	17000	5220	4490	2810	3290
16	2180	2080	4840	8760	18400	26800	21200	16000	5260	4510	2790	4530
17	2190	2030	4450	8580	17500	24600	23600	15300	5050	4460	2750	4460
18	2170	2020	4260	7710	16600	22700	25300	14600	4730	4470	2960	3860
19	2140	2310	4330	7680	16200	20600	25900	13900	4280	4500	3580	3690
20	2090	2600	4030	7990	16000	18500	27200	12900	4020	4850	3390	3450
21	2060	2440	3810	8090	16000	16500	29000	11700	3790	5140	3180	3270
22	2060	2220	3690	8450	15800	15100	32100	10600	3680	5490	3050	3100
23	2060	2100	3660	9460	16500	14400	35700	9910	3700	6280	2840	3170
24	2100	2120	3920	10700	19500	13800	38300	9740	3990	7190	2650	3310
25	2120	2370	4210	11800	25300	13400	40700	9160	4030	7600	2560	3300
26	2110	2720	4380	12400	32200	13500	41200	8110	4010	7880	2580	3420
27	2080	2800	4390	12300	37200	14200	38400	7290	4070	8350	3250	3820
28	2070	2830	4230	12300	41100	14400	34000	7360	4120	8190	4150	4720
29	2080	2890	4270	12600	---	13900	30100	7320	4120	7790	4480	6220
30	2070	3180	4980	12900	---	13200	26900	6640	4030	7370	4940	7200
31	2090	---	5280	13100	---	12700	---	6050	---	6910	5510	---
TOTAL	68940	70070	139070	270420	526100	1081500	670000	453680	155320	158170	113650	137450
MEAN	2224	2336	4486	8723	18790	34890	22330	14630	5177	5102	3666	4582
MAX	2460	3180	5280	13100	41100	75500	41200	24600	7080	8350	6460	7200
MIN	2060	1940	3660	5310	12800	12700	10900	6050	3680	3230	2560	3100
CFSM	.19	.20	.39	.75	1.62	3.01	1.93	1.26	.45	.44	.32	.40
IN.	.22	.22	.45	.87	1.69	3.47	2.15	1.45	.50	.51	.36	.44
CAL YR 1978 TOTAL	3734630		MEAN	10230	MAX	72600	MIN	1940	CFSM .88	IN 11.98		
WTR YR 1979 TOTAL	3844370		MEAN	10530	MAX	75500	MIN	1940	CFSM .91	IN 12.33		

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, Water Temperature, pH, and Dissolved Oxygen by U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	PH (UNITS)	TEMPER- ATURE, AIR (DEG C)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
OCT						
03...	1100	2440	7.4	25.0	22.0	6.9
NOV						
14...	1245	2360	7.6	26.5	16.0	8.3
DEC						
13...	1245	5090	7.4	11.0	9.0	9.7
JAN						
10...	1250	8480	6.7	11.0	5.0	11.3
FEB						
07...	1545	13400	6.3	12.0	4.5	11.3
MAR						
08...	1125	67400	6.2	15.5	13.5	--
APR						
04...	1125	11400	7.0	18.0	20.0	8.5
MAY						
09...	1045	17400	7.2	26.5	21.5	6.7
JUN						
12...	1015	5820	7.6	27.5	27.0	10.7
JUL						
19...	0840	4420	7.3	25.5	27.5	6.5
AUG						
06...	1335	4160	7.4	31.0	31.0	7.0
SEP						
10...	1345	5290	7.0	31.5	28.5	6.5

DATE	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LINEITY (MG/L AS CACO3)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT										
03...	139	30	17	.3	210	45	.53	<.02	.10	2.0
NOV										
14...	147	40	13	.4	40	48	.46	<.02	.07	4.0
DEC										
13...	101	80	26	.6	110	29	.58	.04	.13	2.0
JAN										
10...	79	80	30	1.7	390	18	.40	<.02	.16	6.0
FEB										
07...	66	75	26	1.0	430	14	.34	.02	.08	4.0
MAR										
08...	41	120	66	--	40	9	.08	<.02	.07	8.4
APR										
04...	74	60	19	1.4	30	21	.18	<.02	.06	3.0
MAY										
09...	60	80	23	1.2	150	21	.25	.02	.08	<5.0
JUN										
12...	96	50	19	.6	<30	30	.48	<.02	.18	4.5
JUL										
19...	104	50	19	.4	1300	30	.52	<.02	.10	3.0
AUG										
06...	120	50	27	.9	236	36	.22	.02	.06	<1.0
SEP										
10...	90	40	25	1.0	90	25	.18	<.02	.10	4.0

02225282 CROOKED CREEK NEAR SWAINSBORO, GA.

LOCATION.--Lat 32°34'26", long 82°19'56", Emanuel County, Hydrologic Unit 03070107, at culvert on county road 1 mi (1.6 km) west of U.S. Highway 1, 1.5 mi (2.4 km) southwest of Swainsboro, and 4.2 mi (6.8 km) upstream of Yam Grandy Creek.

DRAINAGE AREA.--2.1 mi² (5.4 km²).

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, Air Temperature, Water Temperature, pH, and Dissolved Oxygen by U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	PH (UNITS)	TEMPER- ATURE, AIR (DEG C)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)				
JUL 18...	1305	4.0	7.3	29.0	29.5	5.9				
AUG 10...	0830	7.0	6.9	27.0	28.0	4.3				
SEP 13...	0830	9.0	7.3	19.0	25.0	3.9				

DATE	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LINITY (MG/L AS CAC03)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
JUL 18...	900	40	19	--	--	172	.35	9.5	5.0	75
AUG 10...	1100	50	36	>14	2400000	236	.10	13	4.2	40
SEP 13...	394	70	80	36	4600000	127	.34	5.6	2.3	92

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 (2.4 km) south of Ohoopsee, and 1.6 mi (2.6 km) upstream of Ohoopsee River.

DRAINAGE AREA.--300 mi² (778 km²).

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, Air Temperature, Water Temperature, pH, and Dissolved Oxygen by U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	PH (UNITS)	TEMPER- ATURE, AIR (DEG C)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)					
JUL 19...	0735	280	5.5	24.0	24.0	5.3					
AUG 08...	0710	29	5.9	24.5	26.0	4.5					
SEP 11...	1100	37	6.4	30.0	24.0	5.5					

DATE	SPF- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LINITY (MG/L AS CAC03)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
JUL 19...	29	120	20	1.9	9300	4	.06	<.02	--	15
AUG 08...	39	100	8	.5	230	5	.20	.03	.07	10
SEP 11...	51	120	5	.6	1500	9	.10	<.02	.10	14

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 (0.8 km) downstream from Brazells Creek, 1.5 mi (2.4 km) downstream from Rocky Creek, 3.5 mi (5.6 km) west of Reidsville, 6 mi (9.7 km) downstream from Pendleton Creek, and 14 mi (22 km) upstream from mouth.

DRAINAGE AREA.--1,110 mi² (2,870 km²), approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--April 1903 to December 1907, April 1937 to current year. Monthly discharge only for some periods, published in WSP 1304.

REVISED RECORDS.--WSP 822: Drainage area. WSP 892: 1939(M). WSP 1504: 1905.

GAGE.--Water-stage recorder. Datum of gage is 73.8 ft (22.49 m) National Geodetic Vertical Datum of 1929 (levels by Georgia Department of Transportation). Prior to Feb. 15, 1941, nonrecording gage at same site, at different datum June 13, 1903, to Dec. 31, 1907, and at same datum May 25, 1937, to Feb. 15, 1941.

REMARKS.--Records fair.

AVERAGE DISCHARGE.--46 years, 996 ft³/s (28.2 m³/s), 12.19 in/yr (310 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 24,400 ft³/s (691 m³/s) Mar. 6, 1966, gage height, 23.34 ft (7.114 m); minimum daily, 19 ft³/s (0.54 m³/s) Sept. 12, 13, 1954.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known, 28.4 ft (8.66 m) in January 1925, from information furnished by Georgia Department of Transportation; discharge, 47,000 ft³/s (1,330 m³/s).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 14,600 ft³/s (413 m³/s) Feb. 28, gage height, 19.83 ft (6.044 m); minimum, 28 ft³/s (0.79 m³/s) Oct. 23-25.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	35	36	180	280	992	13100	1460	2090	632	217	1250	567
2	36	35	241	340	941	10200	1330	1920	991	188	1030	534
3	36	33	249	460	898	7440	1200	1750	1310	164	764	495
4	34	31	266	620	885	5400	1120	1540	1510	146	569	495
5	33	31	268	780	889	4380	1140	1300	1670	131	459	714
6	31	31	230	820	893	3780	1130	1240	1780	121	390	803
7	31	31	189	790	1390	3380	1110	1040	1510	130	336	682
8	30	31	161	750	1810	3120	1110	1030	1070	230	291	602
9	30	32	142	790	2180	3000	1170	1400	1010	682	256	600
10	30	33	129	900	2440	2940	1330	1670	863	964	223	622
11	31	34	120	1000	2660	2850	1450	1800	645	1050	199	666
12	30	33	114	1000	2650	2690	1450	2120	529	879	182	683
13	31	32	109	920	2450	2520	1400	2540	444	773	168	597
14	31	33	105	850	2220	2430	1370	3900	381	801	154	478
15	33	34	102	780	2000	2430	1390	5500	324	828	143	383
16	32	33	99	720	1790	2420	1380	4270	335	708	130	316
17	31	33	95	653	1620	2390	1320	3170	611	549	119	284
18	31	33	94	632	1460	2290	1270	2410	784	441	111	295
19	31	31	93	596	1360	2180	1170	1880	634	588	107	303
20	31	31	93	548	1300	2060	1050	1400	453	620	102	304
21	30	31	92	609	1300	1920	929	1030	336	582	98	297
22	30	30	91	803	1440	1830	808	857	289	714	94	297
23	29	35	89	949	1930	1770	702	813	303	861	97	308
24	28	32	141	1050	3060	1760	594	826	379	966	97	314
25	29	30	272	1100	5880	1810	602	788	475	1040	99	309
26	31	29	360	1120	9020	1890	1160	723	444	1290	92	332
27	34	31	417	1140	12300	1920	1810	645	384	1690	93	431
28	31	33	436	1170	14400	1910	2150	553	347	2000	279	532
29	31	36	423	1160	---	1840	2250	464	301	2040	406	556
30	35	110	363	1100	---	1730	2230	400	257	1790	461	840
31	35	---	320	1030	---	1600	---	464	---	1390	544	---
TOTAL	981	1048	6083	25460	82158	100980	38585	51533	21001	24573	9343	14639
MEAN	31.6	34.9	196	821	2934	3257	1286	1662	700	793	301	488
MAX	36	110	436	1170	14400	13100	2250	5500	1780	2040	1250	840
MIN	28	29	89	280	885	1600	594	400	257	121	92	284
CFSM	.03	.03	.18	.74	2.64	2.93	1.16	1.50	.63	.71	.27	.44
IN.	.03	.04	.20	.85	2.75	3.38	1.29	1.73	.70	.82	.31	.49

CAL YR 1978	TOTAL	337399	MEAN	924	MAX	11600	MIN	28	CFSM	.83	IN	11.31
WTR YR 1979	TOTAL	376384	MEAN	1031	MAX	14400	MIN	28	CFSM	.93	IN	12.61

ALTAMAHA RIVER BASIN

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02225500 OHOOPEE RIVER NEAR REIDSVILLE, GA.--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--February 1968 to June 1979 (discontinued).

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

WATER QUALITY DATA. WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	PH (UNITS)	TEMPER- ATURE, AIR (DEG C)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
DEC 13...	1145	109	6.9	12.0	6.0	10.9
MAR 08...	1100	3120	5.8	17.0	13.5	--
JUN 12...	1125	530	6.6	27.5	25.0	6.6

DATE	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- IDITY (JTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LINEITY (MG/L AS CAC03)	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 13...	70	80	3	.9	300	11	.14	.04	.04	9.0
MAR 08...	36	80	7	1.8	90	4	.02	<.02	.04	13
JUN 12...	46	120	9	1.1	90	10	.14	--	.06	10

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	TEMPER- ATURE (DEG C)	SEDI- MENT, SUS- PENDED (MG/L)	SEDI- MENT DIS- CHARGE, SUS- PENDED (T/DAY)
NOV 15...	1515	34	21.0	3	.28
NOV 29...	1500	35	17.0	3	.28
JAN 17...	1430	649	--	9	16
FEB 07...	1155	1380	8.0	20	75
MAR 12...	1445	2680	13.0	8	58
APR 30...	1640	2220	19.0	10	60
MAY 21...	1445	995	24.0	10	27
JUN 13...	1510	423	25.5	14	16
JUL 06...	1600	120	24.0	20	6.5
AUG 01...	1600	1270	26.0	15	51
SEP 04...	1445	493	26.0	3	4.0

ALTAMAHA RIVER BASIN

02225990 ALTAMAHA RIVER NEAR JESUP, GA.

LOCATION.--Lat 31°39'59", long 81°50'19", Wayne-Long County line, Hydrologic Unit 03070106, at bridge on U.S. Highways 25, 82, and 301, 5 mi (8.0 km) northeast of Jesup.

DRAINAGE AREA.--13,600 mi² (35,200 km²), 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, Air Temperature, Water Temperature, pH, and Dissolved Oxygen by U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	PH (UNITS)	TEMPER- ATURE, AIR (DEG C)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)							
OCT 05...	1230	2660	7.7	29.0	25.0	8.0							
NOV 15...	1245	2330	7.7	26.0	20.0	--							
DEC 06...	1200	5020	7.3	19.0	16.5	8.5							
JAN 17...	1355	10000	6.9	15.0	8.5	12.0							
FEB 14...	1200	25400	6.3	14.5	8.0	10.0							
MAR 07...	1300	88200	6.6	17.0	13.5	7.8							
APR 11...	1145	14800	6.8	23.5	19.0	7.1							
MAY 22...	1230	16400	6.9	27.5	24.0	5.8							
JUL 31...	1140	10500	6.6	33.0	30.0	5.3							
AUG 08...	1110	5330	6.9	27.0	30.0	5.9							
29...	1120	4670	7.2	29.5	28.5	5.9							

DATE	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LINITY (MG/L AS CAC03)	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 05...	133	30	9	.9	150	47	9	.54	.07	.07	1.0	<.5
NOV 15...	148	40	8	.5	<30	49	--	.54	.02	.07	2.0	.2
DEC 06...	107	80	27	.9	40	28	51	.48	<.02	.14	2.0	.5
JAN 17...	81	80	24	.9	40	17	20	.41	.03	.11	6.0	.8
FEB 14...	58	100	26	1.2	90	10	13	.18	<.02	.06	7.0	1.1
MAR 07...	43	200	50	1.2	<30	8	9	.09	<.02	.05	7.7	1.8
APR 11...	61	100	21	.3	230	18	12	.24	<.02	.08	9.0	1.0
MAY 22...	59	120	15	.8	40	21	11	.12	<.02	.08	11	1.3
JUL 31...	104	120	20	1.5	70	20	21	.20	.03	.10	9.0	1.6
AUG 08...	90	70	20	.6	<30	29	25	.24	.03	.05	2.0	.7
29...	101	80	15	1.3	160	34	18	.24	<.02	.06	6.0	.6

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 (18 m) downstream from Seaboard Coast Line Railroad bridge at Doctortown, 4.5 mi (7.2 km) northeast of Jesup, and at mile 64.5 (103.8 km).

DRAINAGE AREA.--13,600 mi² (35,200 km²), 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 (7.462 m) 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 (1.22 m) higher.

REMARKS.--Records good.

AVERAGE DISCHARGE.--48 years, 13,840 ft³/s (392 m³/s), 13.82 in/yr (351 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 178,000 ft³/s (5,040 m³/s) Apr. 18, 1936, gage height, 16.03 ft (4.886 m), present datum; minimum, 1,430 ft³/s (40.5 m³/s) Oct. 27, 28, Nov. 1, 1954.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known since at least 1800, 18.6 ft (5.67 m), present datum, Jan. 23, 1925, discharge, 300,000 ft³/s (8,500 m³/s), from rating curve extended above 180,000 ft³/s (5,100 m³/s).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 90,200 ft³/s (2,550 m³/s) Mar. 8, gage height, 14.17 ft (4.319 m); minimum, 2,010 ft³/s (56.9 m³/s) Nov. 4.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2650	2150	3250	5650	16200	53900	16600	36300	7950	4740	10300	7100
2	2650	2130	3660	6070	16300	60800	15900	33000	7900	4550	9820	7350
3	2610	2070	4260	6270	16300	65500	15300	30400	8110	4630	9240	7140
4	2560	2020	4880	6420	16400	69800	14900	28400	8570	4710	8160	7170
5	2570	2070	5110	6610	16600	76300	14500	27700	8850	4410	7050	7620
6	2580	2320	5020	6750	17000	83000	13900	27600	8940	4260	6240	8150
7	2530	2560	4850	7250	17500	87700	13300	27500	9110	4150	5720	8360
8	2490	2660	4580	7860	17700	89500	13100	27300	9310	4410	5310	8640
9	2490	2560	4460	8430	18200	87400	13400	25000	9120	4950	4860	8980
10	2480	2370	4560	9050	19100	81900	14000	23200	8610	5470	4450	8880
11	2470	2220	4670	9640	20900	74500	14800	22600	8140	5930	4100	8180
12	2450	2110	4990	10100	22900	66400	15600	22900	7750	5830	3890	7490
13	2420	2060	5280	10200	24600	58500	16000	24100	7370	5730	3760	6940
14	2460	2160	5290	10300	25400	51600	16300	23700	7030	5690	3670	6250
15	2380	2310	5300	10000	25400	45800	16800	23800	6800	5710	3570	5470
16	2330	2260	5350	9790	25100	40900	17800	25800	7100	5800	3490	4910
17	2290	2150	5150	9970	24600	36800	19300	27900	7150	5850	3430	5210
18	2280	2080	4830	10200	24100	33400	21500	26900	7000	5690	3350	5480
19	2280	2050	4570	9740	23300	30900	24100	24400	6770	5730	3370	5010
20	2270	2160	4520	9220	22100	28800	26300	22200	6300	6170	3700	4700
21	2230	2470	4350	9390	21200	26700	27900	20200	5600	6800	3810	4510
22	2190	2480	4130	9590	20600	24600	28900	18400	5080	6990	3640	4300
23	2170	2290	3930	9950	20400	22300	30000	16500	4760	6980	3630	4190
24	2170	2150	4000	10900	20900	20300	31800	14600	4600	7240	3700	4230
25	2210	2110	4270	11900	22100	18800	35500	13100	4780	7880	3570	4400
26	2240	2240	4580	13100	24900	17900	39300	12200	5100	8680	3360	4830
27	2210	2540	4860	14300	32300	17200	42200	11200	5020	9340	3260	6790
28	2180	2770	4970	15200	44000	17000	43600	9760	5010	10100	3730	9120
29	2170	2870	4960	15600	---	17100	42500	8970	4970	10600	4710	10800
30	2160	3000	4900	15800	---	17300	39800	8670	4870	10800	5510	12000
31	2140	---	5250	16000	---	17200	---	8240	---	10500	6310	---
TOTAL	73310	69390	144780	311250	616100	1439800	694900	672540	207670	200320	152710	204200
MEAN	2365	2313	4670	10040	22000	46450	23160	21690	6922	6462	4926	6807
MAX	2650	3000	5350	16000	44000	89500	43600	36300	9310	10800	10300	12000
MIN	2140	2020	3250	5650	16200	17000	13100	8240	4600	4150	3260	4190
CFSM	.17	.17	.34	.74	1.62	3.42	1.70	1.60	.51	.48	.36	.50
IN.	.20	.19	.40	.85	1.69	3.94	1.90	1.84	.57	.55	.42	.56

CAL YR 1978 TOTAL 4630980 MEAN 12690 MAX 89600 MIN 2020 CFSM .93 IN 12.67
WTR YR 1979 TOTAL 4786970 MEAN 13110 MAX 89500 MIN 2020 CFSM .96 IN 13.09

ALTAMAHA RIVER BASIN

02226010 ALTAMAHA RIVER NEAR GARDI, GA.

LOCATION.--Lat 31°37'24", long 81°45'55", Wayne-Long County line, Hydrologic Unit 03070106, 6 mi (10 km) northeast of Gardi, 7 mi (11 km) downstream from Doctortown, and 9 mi (14 km) upstream from Penholoway Creek.

DRAINAGE AREA.--13,600 mi² (35,200 km²), 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, Air Temperature, Water Temperature, pH, and Dissolved Oxygen by U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	PH (UNITS)	TEMPER- ATURE, AIR (DEG C)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
NOV 15...	1200	2310	7.6	25.5	21.0	--
DEC 06...	1130	5040	7.1	19.5	17.0	8.4
JAN 17...	1315	8910	6.9	15.0	8.5	12.0
FEB 14...	1130	25300	6.6	14.5	8.0	10.0
MAR 07...	1230	86500	6.6	17.0	13.5	8.1
APR 11...	1115	14600	6.8	23.5	19.5	6.8
MAY 22...	1200	18900	7.0	27.5	24.0	5.6
JUL 31...	1100	10600	6.9	33.0	29.0	5.1
AUG 08...	1030	5440	7.2	27.0	30.0	5.4
29...	1045	4520	7.1	29.5	28.5	5.6

DATE	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	OXYGEN DEMAND, CHEM- ICAL (LOW LEVEL) (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LITY (MG/L AS CAC03)
NOV 15...	237	80	9	20	.9	30	59
DEC 06...	150	80	18	16	1.6	40	32
JAN 17...	107	80	22	49	1.1	2300	20
FEB 14...	70	100	24	26	1.0	90	11
MAR 07...	44	160	50	23	1.5	40	8
APR 11...	63	110	19	22	.6	230	19
MAY 22...	70	100	14	15	<.1	40	21
JUL 31...	--	100	22	--	.8	<30	17
AUG 08...	150	120	20	--	.7	<30	35
29...	162	80	16	--	1.1	40	38

02226010 ALTAMAHA RIVER NEAR GARDI, GA.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	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)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)	TANNIN AND LIGNIN (MG/L)
NOV 15...	11	.49	.10	.30	.10	6.0	1.7
DEC 06...	26	.46	.03	.30	.15	6.0	1.5
JAN 17...	23	.05	.04	.60	.06	18	1.5
FEB 14...	15	.17	<.02	.60	.08	7.0	1.4
MAR 07...	12	.10	<.02	.40	.09	7.3	1.8
APR 11...	11	.22	<.02	.30	.08	9.0	1.0
MAY 22...	7	.10	<.02	--	.08	8.0	1.7
JUL 31...	24	.21	.02	--	.07	6.0	1.1
AUG 08...	23	.23	.04	--	.08	5.0	1.7
29...	20	.20	.04	--	.10	8.0	1.7

ALTAMAHA RIVER BASIN

02226100 PENHOLOWAY CREEK NEAR JESUP, GA.

LOCATION.--Lat 31°34'00", long 81°50'18", Wayne County, Hydrologic Unit 03070106, on downstream side of bridge on U.S. Highway 341, 4 mi (6.4 km) southeast of Jesup, and about 9.5 mi (15.3 km) upstream from mouth.
DRAINAGE AREA.--210 mi² (540 km²), approximately.

WATER-DISCHARGE RECORDS

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

GAGE.--Water-stage recorder. Datum of gage is 19.09 ft (5.819 m) National Geodetic Vertical Datum of 1929. Since May 6, 1966, auxiliary water-stage recorder at highway bridge, 2.5 mi (4.0 km) downstream.

REMARKS.--Records good except those below 10 ft³/s (0.28 m³/s), which are fair.AVERAGE DISCHARGE.--21 years, 209 ft³/s (5.92 m³/s), 13.52 in/yr (343 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,420 ft³/s (125 m³/s) Sept. 30, 1979, gage height, 14.96 ft (4.560 m); no flow at times most years.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 4,420 ft³/s (125 m³/s) Sept. 30, gage height, 14.96 ft (4.560 m); minimum daily, no flow on many days.

DISCHARGE. IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.05	.00	.21	.00	105	570	9.0	10	26	73	335	65
2	.05	.00	.26	.64	90	530	8.0	5.7	19	46	412	94
3	.02	.00	.01	7.1	80	480	5.7	4.3	12	23	550	102
4	.01	.00	.01	11	70	420	5.2	3.0	8.1	11	552	167
5	.01	.00	.06	9.2	60	370	8.4	2.7	13	6.1	502	366
6	.01	.00	.19	14	62	330	7.9	7.2	9.3	34	528	562
7	.00	.00	.25	17	105	300	6.5	18	5.0	23	520	615
8	.00	.00	.12	23	170	245	5.8	112	3.6	29	478	551
9	.00	.02	.04	20	220	224	6.5	245	2.2	67	408	460
10	.00	.00	.01	15	330	206	7.2	327	1.5	159	358	389
11	.00	.00	.04	14	390	196	6.7	413	1.2	178	566	319
12	.01	.00	.07	18	420	187	5.5	604	1.1	176	579	226
13	.02	.00	.04	25	390	165	4.1	996	.80	162	599	158
14	.51	.00	.00	23	340	142	5.3	1410	.72	154	541	137
15	.29	.00	.00	21	290	121	7.0	1650	1.5	125	434	179
16	.06	.00	.00	21	230	97	5.7	1450	50	101	341	191
17	.01	.00	.00	21	200	82	4.1	1140	99	131	228	159
18	.00	.00	.00	19	160	71	3.2	886	155	216	137	122
19	.00	.00	.00	15	105	60	3.1	676	181	255	97	95
20	.00	.00	.00	12	75	51	3.2	509	162	274	77	79
21	.00	.00	.00	32	55	44	2.9	408	112	283	61	68
22	.00	.00	.00	40	40	39	2.6	338	72	259	46	55
23	.00	.00	.00	38	35	36	2.7	262	38	242	32	43
24	.00	.00	.52	56	60	35	3.2	191	20	231	21	48
25	.00	.00	3.8	71	80	30	4.6	143	26	200	14	56
26	.00	.00	5.3	92	140	26	9.8	113	72	234	7.9	102
27	.00	.00	1.5	110	350	23	14	93	126	346	3.9	1410
28	.00	.00	.34	120	580	20	17	73	92	422	3.1	2990
29	.00	.00	.16	130	---	16	19	51	78	432	8.2	3840
30	.00	.04	.09	125	---	14	15	34	83	394	30	4370
31	.00	---	.04	115	---	11	---	22	---	355	45	---
TOTAL	1.05	.06	13.06	1234.94	5232	5141	208.9	12196.9	1471.02	5641.1	8514.1	18018
MEAN	.034	.002	.42	39.8	187	166	6.96	393	49.0	182	275	601
MAX	.51	.04	5.3	130	580	570	19	1650	181	432	599	4370
MIN	.00	.00	.00	.00	35	11	2.6	2.7	.72	6.1	3.1	43
CFSM	.000	.000	.002	.19	.89	.79	.03	1.87	.23	.87	1.31	2.86
IN.	.00	.00	.00	.22	.93	.91	.04	2.16	.26	1.00	1.51	3.19
CAL YR 1978	TOTAL	63093.93	MEAN	173	MAX	1450	MIN	.00	CFSM	.82	IN	11.18
WTR YR 1979	TOTAL	57672.13	MEAN	158	MAX	4370	MIN	.00	CFSM	.75	IN	10.22

02226100 PENHOLWAY CREEK NEAR JESUP, GA.--Continued

WATER-QUALITY RECORDS

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	PH (UNITS)	TEMPER- ATURE, AIR (DEG C)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
MAR 07...	1100	255	3.6	--	13.5	7.4
JUL 17...	1430	134	3.9	31.5	25.5	5.4
AUG 08...	0540	493	4.0	22.0	25.0	4.3
29...	0930	8.1	3.9	--	24.0	5.5
SEP 11...	0940	330	3.9	26.5	24.0	4.8

DATE	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	HARD- NESS (MG/L AS CAC03)	HARD- NESS, NONCAR- BONATE (MG/L CAC03)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)
MAR 07...	250	--	2.0	--	--	8	8	1.7	1.0	4.8	.3
JUL 17...	300	9	--	1.3	150	--	--	--	--	--	--
AUG 08...	420	5	--	.8	30	--	--	--	--	--	--
29...	300	--	6.0	--	--	4	3	.8	.6	3.3	.4
SEP 11...	500	5	--	.6	30	--	--	--	--	--	--

DATE	ALKA- LITY (MG/L AS CAC03)	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, RESIDUE AT 105 DEG. C, SUS- PENDE (MG/L)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)
MAR 07...	0	--	13	8.2	.0	9.6	104	--	.00	.02	1.1
JUL 17...	--	--	--	--	--	--	--	--	<.02	<.02	--
AUG 08...	--	--	--	--	--	--	--	--	<.02	.02	--
29...	1	246	8.5	8.8	.0	7.5	100	--	.09	.09	1.6
SEP 11...	--	--	--	--	--	--	--	<1	<.02	.02	--

02226100 PENHOLOWAY CREEK NEAR JESUP, GA.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,NH4 + ORG. SUSP. 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)	ALUM- INUM, DIS- SOLVED (UG/L AS AL)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC DIS- SOLVED (UG/L AS AS)	CADMIUM DIS- SOLVED (UG/L AS CD)
MAR 07...	1.1	.00	1.1	1.1	.01	.02	650	3	1	1
JUL 17...	--	--	--	--	.04	--	--	--	--	--
AUG 08...	--	--	--	--	.02	--	--	--	--	--
SEP 29...	1.7	.40	1.3	1.8	.02	.01	730	1	1	2
SEP 11...	--	--	--	--	<.02	--	--	--	--	--

DATE	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, DIS- SOLVED (UG/L AS FE)	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)	CARBON, ORGANIC TOTAL (MG/L AS C)	TANNIN AND LIGNIN (MG/L)
MAR 07...	1	2	750	20	.5	.5	0	0	34	--
JUL 17...	--	--	--	--	--	--	--	--	33	--
AUG 08...	--	--	--	--	--	--	--	--	42	--
SEP 29...	10	9	1400	10	<.5	<.5	0	20	52	--
SEP 11...	--	--	--	--	--	--	--	--	46	3.7

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	TEMPER- ATURE (DEG C)	SEDI- MENT, SUS- PENDE (MG/L)	SEDI- MENT DIS- CHARGE, SUS- PENDE (T/DAY)
JAN 16...	1640	21	7.0	3	.19
MAR 14...	0900	145	15.5	7	2.7
MAY 22...	1300	338	24.0	12	11
JUL 07...	1715	23	--	15	.93
AUG 02...	1030	389	--	20	21
SEP 05...	1130	365	28.0	17	17

02226160 ALTAMAHA RIVER NEAR EVERETT CITY, GA.
 (National stream-quality accounting network station)
 (Radiochemical program station)
 (National Pesticide water monitoring program)

LOCATION.--Lat 31°25'37", long 81°36'20", Glynn-McIntosh County line, Hydrologic Unit 03070106, at Seaboard Coast Line Railroad bridge, 3 mi (5 km) northeast of Everett City, and 15 mi (24 km) northwest of Brunswick.

DRAINAGE AREA.--14,000 mi² (36,300 km²), approximately.

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

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: October 1969 to current year.

pH: November 1969 to current year.

WATER TEMPERATURES: October 1969 to current year.

DISSOLVED OXYGEN: April 1970 to current year.

REMARKS.--Prior to 1978, water-quality samples for the National stream-quality accounting network, Radiochemical program, and 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, 304 micromhos Oct. 27, 1978; minimum recorded, 32 micromhos Apr. 9, 1973.

pH: Maximum recorded, 8.9 units Oct. 21, 22, 1971; minimum recorded, 5.3 units Dec. 12, 1976.

WATER TEMPERATURE: Maximum, 32.5°C July 9-15, 1977; minimum recorded, 3.0°C Jan. 10, 11, 1970, Jan. 20, 21, 1977.

DISSOLVED OXYGEN: Maximum recorded, 12.3 mg/L Feb. 3, 10, 11, 1977; minimum recorded, 2.7 mg/L Oct. 8, 1977.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 304 micromhos Oct. 27; minimum, 42 micromhos Mar. 9.

pH: Maximum, 7.3 units Oct. 15-17; minimum, 5.5 units Mar. 6.

WATER TEMPERATURE: Maximum, 31.0°C July 16, Aug. 22, 23, 25; minimum recorded, 6.0°C Feb. 2.

DISSOLVED OXYGEN: Maximum recorded, 10.6 mg/L Jan. 9, 10; minimum, 4.2 mg/L June 10.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE, AIR (DEG C)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
OCT							
05...	0900	2670	242	7.4	--	24.0	7.0
19...	1130	2300	240	7.1	27.0	20.0	7.5
NOV							
15...	0945	2130	248	6.9	--	20.0	7.0
28...	1245	2560	228	7.4	25.5	18.5	7.8
DEC							
06...	0930	4930	166	7.7	--	16.5	8.0
JAN							
17...	1000	9760	110	6.9	--	8.5	11.4
24...	1000	9880	102	6.4	14.5	10.5	9.6
FEB							
14...	0930	24600	75	5.8	--	8.5	9.6
21...	1400	22000	72	6.4	20.0	9.0	9.9
MAR							
07...	1000	82600	54	5.9	--	13.5	7.8
APR							
11...	0945	14000	86	6.1	--	19.5	6.4
18...	1200	19300	61	7.1	--	20.5	6.4
MAY							
22...	0830	20500	72	6.1	--	23.0	5.4
30...	1010	9000	102	7.2	28.0	23.5	5.9
JUN							
27...	1110	5130	142	7.3	--	25.5	5.9
JUL							
25...	1200	7220	102	7.0	31.0	29.0	5.9
AUG							
08...	0800	5780	126	6.4	--	28.5	5.0
29...	0800	3430	177	7.0	--	28.5	5.6
SEP							
19...	1230	5530	155	7.0	30.0	26.0	5.9

ALTAMAHA RIVER BASIN

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	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- TOCOCCHI FECAL, KF AGAR (COLS. PER 100 ML)	HARD- NESS (MG/L AS CAC03)	HARU- NESS, NONCAR- BONATE (MG/L CAC03)	CALCIUM DIS- SOLVED (MG/L AS CA)
OCT										
05...	--	--	7.0	--	--	K10	K1	48	0	15
19...	100	8	--	1.4	<30	--	--	--	--	--
NOV										
15...	--	--	7.0	--	--	K15	36	47	0	15
28...	80	10	--	.7	<30	--	--	--	--	--
DEC										
06...	--	--	25	--	--	60	73	32	4	9.5
JAN										
17...	--	--	20	--	--	37	28	25	4	7.1
24...	80	17	--	.6	210	--	--	--	--	--
FEB										
14...	--	--	15	--	--	73	90	16	9	4.5
21...	100	23	--	.7	65	--	--	--	--	--
MAR										
07...	--	--	40	--	--	50	33	12	0	3.4
APR										
11...	--	--	25	--	--	K30	47	21	0	6.4
18...	90	25	--	.5	430	--	--	--	--	--
MAY										
22...	--	--	15	--	--	40	63	20	6	6.0
30...	100	20	--	.8	40	--	--	--	--	--
JUN										
27...	100	21	--	.4	90	--	--	--	--	--
JUL										
25...	105	24	--	1.2	150	--	--	--	--	--
AUG										
08...	--	--	15	--	--	20	190	29	8	8.7
29...	--	--	15	--	--	30	67	36	0	11
SEP										
19...	120	12	--	1.0	40	--	--	--	--	--

DATE	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LINITY (MG/L AS CAC03)	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 CONSTITU- ENTS, DIS- SOLVED (MG/L)
OCT										
05...	2.5	31	2.0	55	28	21	.1	13	161	146
19...	--	--	--	60	--	--	--	--	--	--
NOV										
15...	2.3	30	2.9	53	26	23	.1	13	148	144
28...	--	--	--	55	--	18	--	--	--	--
DEC										
06...	2.0	20	2.4	28	19	15	.1	12	117	97
JAN										
17...	1.8	12	1.8	21	15	11	.1	13	80	75
24...	--	--	--	18	--	10	--	--	--	--
FEB										
14...	1.2	6.7	1.4	7	10	7.7	.0	11	70	47
21...	--	--	--	11	--	9.0	--	--	--	--
MAR										
07...	.8	4.5	1.9	13	7.2	4.7	.0	10	59	40
APR										
11...	1.3	6.9	1.7	21	6.7	6.9	.1	8.5	69	52
18...	--	--	--	13	--	--	--	--	--	--
MAY										
22...	1.3	6.6	1.5	14	20	6.4	.1	9.3	74	60
30...	--	--	--	27	--	9.5	--	--	--	--
JUN										
27...	--	--	--	34	--	18	--	--	--	--
JUL										
25...	--	--	--	24	--	9.1	--	--	--	--
AUG										
08...	1.7	15	1.5	21	14	14	.1	12	113	81
29...	2.0	21	1.9	45	18	18	.1	11	134	110
SEP										
19...	--	--	--	35	--	--	--	--	--	--

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	SOLIDS, DIS- SOLVED (TONS PER DAY)	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,NH4 + ORG. SUSP. TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC DIS. TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, TOTAL (MG/L AS P)
OCT										
05...	1160	.45	.06	.32	.38	.00	.38	.83	3.7	.09
19...	--	.50	.08	--	--	--	--	--	--	.08
NOV										
15...	851	.50	.09	.43	.52	.16	.36	1.0	4.5	.11
28...	--	.54	.04	--	--	--	--	--	--	.10
DEC										
06...	1560	.47	.06	.38	.44	.09	.35	.91	4.0	.13
JAN										
17...	2110	.38	.02	.48	.50	.18	.32	.88	3.9	.08
24...	--	.36	<.02	--	--	--	--	--	--	.08
FEB										
14...	4650	.11	.02	.13	.15	.00	.15	.26	1.2	.05
21...	--	.14	<.02	--	--	--	--	--	--	.06
MAR										
07...	13200	.07	.02	.54	.56	.00	.58	.63	2.8	.06
APR										
11...	2610	.17	.02	.36	.38	.00	--	.55	2.4	.06
18...	--	.12	<.02	--	--	--	--	--	--	.07
MAY										
22...	4100	.15	.03	1.1	1.1	.00	1.1	1.2	5.5	.07
30...	--	.26	<.02	--	--	--	--	--	--	.10
JUN										
27...	--	.35	.04	--	--	--	--	--	--	.10
JUL										
25...	--	.20	.07	--	--	--	--	--	--	.07
AUG										
08...	1760	.21	.08	.48	.56	.00	.58	.77	3.4	.08
29...	1240	.28	.06	.38	.44	.00	--	.72	3.2	.09
SEP										
19...	--	.36	<.02	--	--	--	--	--	--	.10

DATE	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C)	CARBON, ORGANIC SUS- PENDED TOTAL (MG/L AS C)	PHYTO- PLANK- TON, TOTAL (CELLS PER ML)	CHLOR-A PERI- PHYTON CHROMO- GRAPHIC FLUOROM (MG/M2)	CHLOR-B PERI- PHYTON CHROMO- GRAPHIC FLUOROM (MG/M2)	SEDI- MENT, DIS- SOLVED SUS- PENDED (MG/L)	SEDI- MENT DIS- CHARGE, SUS- PENDED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT										
05...	.09	--	6.3	2.0	--	--	--	10	72	98
19...	--	6.0	--	--	--	--	--	--	--	--
NOV										
15...	.09	6.0	--	--	390	--	--	12	69	100
28...	--	10	--	--	--	--	--	--	--	--
DEC										
06...	.08	7.9	--	--	--	--	--	39	519	100
JAN										
17...	.04	--	7.6	.5	--	.080	.000	31	817	100
24...	--	5.0	--	--	--	--	--	--	--	--
FEB										
14...	.02	9.3	--	--	--	--	--	21	1400	93
21...	--	5.0	--	--	--	--	--	--	--	--
MAR										
07...	.04	9.1	--	--	440	--	--	37	8250	76
APR										
11...	.06	--	10	.1	--	--	--	24	907	96
18...	--	8.0	--	--	--	--	--	--	--	--
MAY										
22...	.06	13	--	--	64	--	--	7	387	100
30...	--	7.0	--	--	--	--	--	--	--	--
JUN										
27...	--	6.0	--	--	--	--	--	--	--	--
JUL										
25...	--	9.0	--	--	--	--	--	--	--	--
AUG										
08...	.04	--	12	.8	2400	--	--	19	297	100
29...	.07	7.1	--	--	810	--	--	16	148	89
SEP										
19...	--	12	--	--	--	--	--	--	--	--

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	ARSENIC TOTAL (UG/L AS AS)		ARSENIC DIS- SOLVED (UG/L AS AS)		CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)		CADMIUM DIS- SOLVED (UG/L AS CD)		CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)		CHRO- MIUM, DIS- SOLVED (UG/L AS CR)		COBALT, TOTAL RECOV- ERABLE (UG/L AS CO)		COBALT, DIS- SOLVED (UG/L AS CO)		COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)		COPPER, DIS- SOLVED (UG/L AS CU)		IRON, TOTAL RECOV- ERABLE (UG/L AS FE)		IRON, DIS- SOLVED (UG/L AS FE)		
OCT 05...		1		0		3		0		<10		0		1		0		3		3		480		220	
JAN 17...		1		1		7		5		<10		0		1		0		3		1		980		260	
APR 11...		3		1		1		1		30		<10		0		0		3		3		1800		620	
AUG 08...		1		1		1		1		10		<10		1		0		6		3		1800		750	

DATE	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	LEAD, DIS-SOLVED (UG/L AS PB)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MANGANESE, DIS-SOLVED (UG/L AS MN)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	MERCURY DIS-SOLVED (UG/L AS HG)	SELENIUM, TOTAL (UG/L AS SE)	SELENIUM, DIS-SOLVED (UG/L AS SE)	SILVER, TOTAL RECOVERABLE (UG/L AS AG)	SILVER, DIS-SOLVED (UG/L AS AG)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	ZINC, DIS-SOLVED (UG/L AS ZN)
OCT 05...	18	13	80	50	<.5	<.5	0	0	1	1	10	10
JAN 17...	--	--	120	30	<.5	<.5	0	0	0	0	50	30
APR 11...	6	5	70	40	<.5	<.5	0	0	2	0	30	10
AUG 08...	5	0	120	70	<.5	<.5	0	0	0	0	70	10

[illegible][illegible]

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	PCB, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDD, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- AZINON, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- ELDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ETHION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
MAY 22...	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
DATE	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	MALA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	METH- OXY- CHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARA- THION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRI- THION, TOT. IN BOTTOM MATL. (UG/KG)	PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	TOXA- PHENE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	TRI- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
MAY 22...	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
DATE	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)		
MAY 07...		<.6	2.5	1.9	1.1	1.8	1.0	.09	.07	

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	252	238	274	261	247	196	171	166	87	85	65	58
2	249	237	270	258	197	185	172	166	87	85	59	54
3	264	239	270	268	195	185	165	154	87	85	55	49
4	264	259	270	259	185	171	153	145	87	84	54	51
5	261	231	259	256	174	168	145	135	86	84	57	51
6	237	228	259	256	172	163	135	129	85	83	54	51
7	253	236	258	252	164	151	130	125	83	80	55	53
8	255	244	265	248	156	149	131	125	82	79	55	43
9	238	225	248	228	156	143	131	126	81	80	45	42
10	260	235	231	227	156	147	127	123	81	79	48	44
11	272	259	233	230	167	154	123	110	79	75	53	43
12	280	272	278	233	172	167	110	102	76	72	45	44
13	280	272	278	244	169	160	103	100	73	70	50	46
14	275	258	249	244	171	167	104	102	71	68	60	50
15	258	253	250	247	171	162	111	103	69	62	55	50
16	256	251	249	243	161	157	111	108	75	63	54	51
17	258	248	265	242	158	155	111	109	71	69	55	51
18	251	239	278	262	163	156	110	108	71	69	57	53
19	242	236	279	273	177	164	109	107	70	65	59	54
20	262	239	274	253	180	175	109	107	66	59	62	59
21	274	259	256	236	176	164	112	108	76	62	63	61
22	280	269	244	233	171	164	115	112	78	74	67	63
23	288	278	243	225	174	171	114	109	79	76	71	66
24	290	279	225	219	174	148	108	105	79	77	73	70
25	280	259	222	213	148	120	---	---	80	75	76	73
26	295	265	229	217	120	112	100	96	80	77	77	75
27	304	295	238	229	115	109	97	90	79	73	79	76
28	302	291	236	225	109	106	90	87	73	65	81	79
29	292	276	225	218	120	103	88	86	---	---	84	81
30	277	273	224	218	154	120	87	85	---	---	86	83
31	279	272	---	---	166	154	87	85	---	---	84	82
MONTH	304	225	279	213	247	103	172	85	87	59	86	42
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER		
1	84	82	67	64	115	113	---	---	99	95	149	136
2	84	83	67	66	118	115	---	---	96	93	136	127
3	84	79	68	66	117	113	---	---	98	95	131	128
4	83	80	69	67	115	111	---	---	102	96	127	85
5	89	83	70	68	113	109	---	---	110	101	86	77
6	91	88	72	69	112	110	---	---	120	110	80	72
7	98	91	72	70	113	110	---	---	129	121	72	65
8	102	98	73	71	111	109	---	---	137	130	68	64
9	100	95	76	71	111	108	---	---	142	136	73	68
10	96	87	78	75	112	109	---	---	143	138	82	74
11	89	79	77	73	114	110	129	126	145	136	91	82
12	79	73	76	72	118	114	126	119	145	126	101	91
13	73	71	78	74	124	118	126	121	137	124	108	101
14	72	70	78	74	127	123	133	125	151	137	117	108
15	74	71	76	73	127	124	140	133	165	150	121	117
16	74	70	76	73	130	126	141	139	177	163	127	121
17	70	65	74	71	135	130	140	138	189	177	138	127
18	66	63	71	66	137	132	141	138	200	189	144	138
19	65	62	68	64	132	125	143	139	199	190	148	142
20	67	64	68	66	126	120	143	134	191	182	143	137
21	71	67	71	67	126	118	133	125	187	182	154	137
22	75	72	74	69	135	126	133	126	202	183	166	155
23	75	73	80	74	151	133	133	120	214	202	171	166
24	74	71	87	79	158	149	119	105	214	211	172	170
25	72	70	93	87	164	152	116	106	210	197	176	170
26	71	68	96	93	158	153	116	111	197	173	176	170
27	69	67	99	96	157	152	113	108	180	173	172	124
28	69	65	101	98	154	147	109	103	184	180	124	82
29	69	65	105	100	147	139	103	101	193	182	---	---
30	68	64	112	104	139	138	103	100	183	167	---	---
31	---	---	115	112	---	---	101	98	167	149	---	---
MONTH	102	62	115	64	164	108	143	98	214	93	176	64
YEAR	304	42										

PH (STANDARD UNITS), WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	7.0	6.9	7.0	6.8	7.0	7.0	6.9	6.8	6.1	6.1	5.9	5.8
2	7.0	6.9	6.9	6.8	7.0	6.9	6.9	6.8	6.1	6.1	5.9	5.8
3	7.1	6.9	6.9	6.9	7.0	6.9	6.9	6.8	6.1	6.1	5.8	5.7
4	7.0	6.9	6.9	6.8	7.0	6.8	6.9	6.8	6.1	6.1	5.7	5.7
5	7.1	6.9	6.9	6.8	6.9	6.8	6.8	6.7	6.1	6.1	5.8	5.7
6	7.1	7.0	6.9	6.8	6.9	6.8	6.7	6.6	6.1	6.1	5.7	5.5
7	7.1	7.0	6.9	6.8	6.8	6.7	6.6	6.6	6.1	6.0	5.7	5.6
8	7.1	7.0	7.0	6.8	6.8	6.7	6.6	6.6	6.1	6.0	5.8	5.7
9	7.1	7.1	7.0	6.9	6.8	6.7	6.6	6.6	6.1	6.1	5.8	5.7
10	7.1	7.1	7.0	6.9	6.9	6.8	6.6	6.5	6.1	6.0	5.8	5.7
11	7.1	7.1	7.0	6.9	6.9	6.9	6.5	6.4	6.1	6.0	5.8	5.7
12	7.1	7.0	7.0	6.9	7.0	6.9	6.4	6.3	6.0	5.9	5.8	5.7
13	7.2	7.0	7.0	6.9	7.0	6.9	6.3	6.3	5.9	5.9	5.9	5.8
14	7.2	7.0	7.0	6.8	7.0	6.9	6.3	6.2	5.9	5.9	5.8	5.7
15	7.3	7.1	7.1	6.9	7.0	6.9	6.3	6.2	6.0	5.9	5.9	5.8
16	7.3	7.1	7.1	7.0	6.9	6.8	6.3	6.3	6.0	5.9	5.9	5.9
17	7.3	7.1	7.1	7.0	6.9	6.8	6.3	6.3	6.0	5.9	5.9	5.8
18	7.2	7.1	7.1	7.0	6.9	6.9	6.3	6.3	6.0	6.0	5.9	5.9
19	7.1	7.0	7.1	7.0	6.9	6.8	6.3	6.3	6.1	6.0	6.0	5.9
20	7.1	7.0	7.1	7.0	6.9	6.8	6.4	6.3	6.1	6.0	6.0	5.9
21	7.1	7.0	7.1	7.1	6.9	6.8	6.4	6.4	6.1	6.0	5.9	5.9
22	7.1	6.9	7.1	7.0	7.0	6.8	6.4	6.4	6.0	6.0	5.9	5.9
23	7.0	6.9	7.1	7.0	7.0	6.9	6.4	6.4	6.1	6.0	6.0	5.9
24	7.0	6.9	7.1	7.0	7.0	6.9	6.4	6.4	6.1	6.0	6.0	6.0
25	7.0	6.9	7.1	7.0	6.9	6.9	---	---	6.1	6.0	6.0	6.0
26	7.0	6.9	7.1	7.0	7.0	6.9	6.3	6.2	6.0	6.0	6.1	6.0
27	7.0	6.9	7.1	7.0	7.0	6.9	6.2	6.2	6.0	6.0	6.1	6.0
28	7.0	6.9	7.1	7.0	7.0	6.9	6.2	6.1	6.0	5.9	6.1	6.0
29	7.0	6.9	7.1	7.0	6.9	6.9	6.1	6.1	---	---	6.1	6.0
30	7.0	7.0	7.0	6.9	6.9	6.8	6.1	6.1	---	---	6.1	6.0
31	7.0	6.9	---	---	6.9	6.8	6.1	6.0	---	---	6.1	6.1
MONTH	7.3	6.9	7.1	6.8	7.0	6.7	6.9	6.0	6.1	5.9	6.1	5.5
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	6.2	6.1	6.1	5.9	6.4	6.3	---	---	6.0	6.0	6.5	6.4
2	6.2	6.1	6.4	6.0	6.4	6.3	---	---	6.0	6.0	6.5	6.3
3	6.1	6.1	6.4	6.3	6.3	6.3	---	---	6.1	6.0	6.4	6.3
4	6.2	6.1	6.4	6.3	6.3	6.3	---	---	6.1	6.0	6.3	6.3

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

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

OXYGEN, DISSOLVED (DO), MG/L, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

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

ALTAMAHA RIVER BASIN

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 (1.6 km) upstream from bridge on State Highway 16, and 7 mi (11.3 km) east of Jackson. DRAINAGE AREA, 1,400 mi² (3,626 km²). PERIOD OF RECORD, October 1929 to current year. Datum of gage is at mean sea level (levels by Georgia Power Co.).

Reservoir is formed by concrete gravity dam. Spillway (crest elevation, 528.0 and 525.0 ft) (160.9 and 160.0 m) is equipped with flashboards 308.5 ft (94.0 m) wide by 2 ft (0.61 m) high and 420 ft (128.0 m) wide by 5 ft (1.52 m) high. Dam completed in 1910. Total capacity at elevation 530.0 ft (161.5 m), top of flashboards, is 107,000 acre-ft (132 hm³), of which 78,000 acre-ft (96.2 hm³) 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 1978 TO SEPTEMBER 1979

Date	Elevation (feet) †	Contents (acre-feet)	Change in contents	
			(acre-feet)	(equivalent in cubic feet per second)
Sept. 30.....	525.1	85400	-	-
Oct. 31.....	523.0	77500	-7900	-128
Nov. 30.....	523.2	78200	+700	+12
Dec. 31.....	524.4	82600	+4400	+72
CAL YR 1978	-	-	-4400	-6
Jan. 31.....	526.4	90600	+8000	+130
Feb. 28.....	529.1	102000	+11400	+205
Mar. 31.....	528.1	98000	-4000	-65
Apr. 30.....	528.1	98000	0	0
May 31.....	528.3	98800	+800	+13
June 30.....	528.5	99800	+1000	+17
July 31.....	528.7	101000	+1200	+20
Aug. 31.....	528.6	100000	-1000	-16
Sept. 30.....	530.2	108000	+8000	+134
WTR YR 1979	-	-	+22600	+31

† 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 (2.4 km) upstream from bridge on State Highway 16, and 13.3 mi (21.4 km) east of Eatonton. DRAINAGE AREA, 1,820 mi² (4,714 km²). PERIOD OF RECORD, January 1979 to current year. Datum of gage is at mean sea level (levels by Georgia Power Co.).

Reservoir is formed by concrete gravity dam. Spillway (crest elevation, 435.6 ft) (132.77 m) is equipped with five radial gates 42 ft wide by 44 ft high (12.8 m by 13.4 m). 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 1978 TO SEPTEMBER 1979

Date	Elevation (feet) †	Contents (acre-feet)	Change in contents	
			(acre-feet)	(equivalent in cubic feet per second)
Sept. 30.....	-	-	-	-
Oct. 31.....	-	-	-	-
Nov. 30.....	-	-	-	-
Dec. 31.....	-	-	-	-
CAL YR 1978	-	-	0	0
Jan. 31.....	393.65	39100	+39100	+636
Feb. 28.....	404.60	74300	+35200	+634
Mar. 31.....	414.80	129600	+55300	+899
Apr. 30.....	423.05	195500	+65900	+1108
May 31.....	425.60	222600	+27100	+441
June 30.....	432.10	308700	+86100	+1447
July 31.....	434.80	356400	+47700	+776
Aug. 31.....	434.70	354600	-1800	-29
Sept. 30.....	435.00	360000	+5400	+91
WTR YR 1979	-	-	+360000	+497

† 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 (2.4 km) upstream from Georgia Railroad bridge, and 4 mi (6.4 km) north of Milledgeville. DRAINAGE AREA, 2,900 mi² (7,511 km²). PERIOD OF RECORD, October 1952 to current year. Datum of gage is at mean sea level (levels by Georgia Power Co.).

Reservoir is formed by concrete gravity dam. Spillway (crest elevation, 319 ft) (97.2 m) is equipped with 24 gates 30 ft wide by 21 ft high (9.14 m by 6.40 m). Storage began in 1952; water in reservoir first reached minimum pool elevation in 1953. Total capacity at elevation 340.0 ft (103.6 m), top of gates, is 334,000 acre-ft (412 hm³), of which 214,600 acre-ft (265 hm³) 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 1978 TO SEPTEMBER 1979

Date	Elevation (feet) †	Contents (acre-feet)	Change in contents	
			(acre-feet)	(equivalent in cubic feet per second)
Sept. 30.....	336.8	287200	-	-
Oct. 31.....	336.9	288600	+1400	+23
Nov. 30.....	336.3	280200	-8400	-141
Dec. 31.....	336.4	281600	+1400	+23
CAL YR 1978	-	-	+12100	+17
Jan. 31.....	335.8	273400	-8200	-133
Feb. 28.....	338.9	317500	+44100	+794
Mar. 31.....	336.8	287200	-30300	-493
Apr. 30.....	337.9	302600	+15400	+259
May 31.....	337.8	301200	-1400	-23
June 30.....	336.6	284400	-16800	-282
July 31.....	338.9	317500	+33100	+538
Aug. 31.....	339.0	319000	+1500	+24
Sept. 30.....	339.0	319000	0	0
WTR YR 1979	-	-	+31800	+44

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

SATILLA RIVER BASIN

02226475 SATILLA RIVER AT WALTERTOWN, GA.

LOCATION.--Lat 31°18'17", long 82°23'33", Ware County, Hydrologic Unit 03070201, at county highway bridge at Waltertown, and 6 mi (10 km) 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, Air Temperature, Water Temperature, pH, and Dissolved Oxygen by U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	PH (UNITS)	TEMPER- ATURE, AIR (DEG C)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
OCT						
03...	1400	8.3	5.8	27.0	23.0	8.6
NOV						
14...	1500	6.8	6.2	31.0	19.0	8.8
DEC						
14...	0830	24	5.8	5.0	6.5	10.2
JAN						
10...	1015	667	5.3	1.0	4.0	11.6
FEB						
07...	1330	1560	4.8	18.5	6.0	10.8
MAR						
06...	0420	3140	4.5	12.0	15.0	--
APR						
04...	0835	328	5.6	24.0	19.5	8.1
MAY						
09...	0815	1810	4.8	23.5	21.0	6.1
JUN						
14...	0630	30	5.4	20.0	23.5	5.7
JUL						
17...	0950	550	4.4	31.0	26.5	4.7
AUG						
07...	0630	305	4.5	21.5	26.0	6.1
SEP						
11...	0645	1310	4.5	22.5	24.0	4.6

DATE	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	COLOR (PLAT- NUM- COBALT UNITS)	TUR- BID- ITY (JTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL EC BROTH (MPN)	ALKA- LILITY (MG/L AS CaCO3)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT										
03...	36	100	8	2.6	90	4	<.02	<.02	.05	6.0
NOV										
14...	41	60	10	1.5	40	5	.02	<.02	.03	8.0
DEC										
14...	134	80	3	1.8	160	4	<.02	.04	.03	13
JAN										
10...	80	80	5	1.9	930	<1	.04	<.02	.06	18
FEB										
07...	59	80	5	1.0	430	<1	.09	.02	.02	15
MAR										
06...	42	150	4	.9	<30	<1	<.02	<.02	.02	21
APR										
04...	48	60	6	1.1	90	4	.04	<.02	.05	17
MAY										
09...	37	180	8	1.7	390	1	.08	<.02	.05	23
JUN										
14...	37	80	5	.4	40	2	.07	<.02	.03	8.0
JUL										
17...	45	240	8	1.3	<30	--	.04	<.02	.06	23
AUG										
07...	40	200	8	1.3	230	<1	.04	.03	.04	17
SEP										
11...	41	320	8	.6	40	3	<.02	<.02	.06	30

SATILLA RIVER BASIN

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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 (4.8 km) northeast of Waycross, and 16 mi (25.7 km) upstream from Alabama River.

DRAINAGE AREA.--1,200 mi² (3,110 km²), approximately.

PERIOD OF RECORD.--March 1937 to current year.

REVISED RECORDS.--WSP 952: 1939. WSP 1624: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 66.43 ft (20.248 m) National Geodetic Vertical Datum of 1929. Prior to Nov. 22, 1952, nonrecording gage at site 300 ft (91 m) downstream at same datum.

REMARKS.--Records good. Records of chemical analyses for the water years 1968-73 are published in reports of the Geological Survey.

AVERAGE DISCHARGE.--42 years, 1,029 ft³/s (29.1 m³/s), 11.64 in/yr (296 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 39,000 ft³/s (1,100 m³/s) Apr. 4, 1948, gage height, 22.4 ft (6.83 m), from floodmark; minimum, 6.0 ft³/s (0.170 m³/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.--Maximum discharge, 11,000 ft³/s (312 m³/s) Mar. 1, gage height, 17.56 ft (5.352 m); minimum, 10 ft³/s (0.28 m³/s) Nov. 24-27.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14	18	18	111	1690	10600	466	937	376	235	527	3060
2	14	16	17	181	1640	10800	425	875	382	188	481	2880
3	13	15	16	160	1560	9630	384	765	385	151	592	2280
4	13	14	24	174	1470	7970	360	618	358	126	646	1930
5	13	13	36	258	1340	6450	351	608	305	128	575	2160
6	13	13	31	329	1300	5170	338	720	248	471	462	2390
7	12	13	29	373	1560	4160	378	821	197	765	385	2730
8	11	13	27	422	1830	3530	449	1340	152	1340	364	3050
9	11	13	26	459	2200	3010	515	1920	127	2350	310	3050
10	11	13	25	525	2670	2530	558	2510	111	2900	250	2730
11	11	13	26	616	3620	2100	596	3090	97	2720	216	2090
12	11	12	26	720	5320	1710	611	3890	84	2410	348	1500
13	13	12	24	808	6290	1480	580	4600	74	2280	598	1220
14	26	12	23	883	6180	1340	555	4670	71	2050	886	1250
15	18	12	26	930	5530	1270	497	4180	93	1630	991	1490
16	17	12	29	925	4660	1240	503	3650	462	1170	872	1710
17	16	11	26	883	3890	1210	542	3310	521	839	674	1630
18	15	11	23	840	3300	1180	572	3250	390	704	498	1500
19	14	11	22	805	2720	1120	560	3250	300	751	369	1490
20	14	11	20	769	2160	1030	515	3060	221	975	276	1480
21	24	11	20	783	1700	925	449	2520	164	1170	211	1290
22	30	11	19	728	1410	812	375	1740	428	1140	160	1030
23	31	11	18	762	1240	730	312	1120	568	992	137	837
24	32	10	35	950	1340	663	259	767	608	825	162	732
25	31	10	34	1100	1770	599	356	536	592	742	269	702
26	29	10	26	1270	2310	565	475	404	650	843	285	765
27	26	10	37	1430	3490	558	524	324	556	1140	298	933
28	24	11	73	1570	7670	549	691	268	471	1290	399	1270
29	22	12	96	1670	---	536	843	222	373	1220	917	1720
30	21	14	105	1700	---	522	933	187	290	963	1690	2310
31	19	---	107	1710	---	499	---	221	---	695	2630	---
TOTAL	569	368	1064	24844	81860	84488	14972	56373	9654	35203	17478	53209
MEAN	18.4	12.3	34.3	801	2924	2725	499	1818	322	1136	564	1774
MAX	32	18	107	1710	7670	10800	933	4670	650	2900	2630	3060
MIN	11	10	16	111	1240	499	259	187	71	126	137	702
CFSM	.02	.01	.03	.67	2.44	2.27	.42	1.52	.27	.95	.47	1.48
IN.	.02	.01	.03	.77	2.54	2.62	.46	1.75	.30	1.09	.54	1.65
CAL YR 1978	TOTAL	355870	MEAN	975	MAX	7370	MIN	10	CFSM	.81	IN	11.03
WTR YR 1979	TOTAL	380082	MEAN	1041	MAX	10800	MIN	10	CFSM	.87	IN	11.78

SATILLA RIVER BASIN

02226582 SATILLA RIVER NEAR HOBOKEN, GA.

LOCATION.--Lat 31°13'00", long 82°09'45", Brantley-Pierce County line, Hydrologic Unit 03070201, at bridge on State Highway 121, 3 mi (4.8 km) northeast of Hoboken.

DRAINAGE AREA.--1,350 mi² (3,500 km²), 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, Air Temperature, Water Temperature, pH, and Dissolved Oxygen by U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	PH (UNITS)	TEMPER- ATURE, AIR (DEG C)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
OCT 03...	1515	40	6.7	28.0	22.5	7.7
NOV 14...	1600	13	7.2	26.0	19.0	6.3
DEC 14...	1000	87	6.5	9.0	7.0	8.2
JAN 10...	0930	372	5.9	3.5	4.0	11.8
FEB 07...	1230	1660	5.6	20.0	6.0	10.4
MAR 06...	0905	6950	4.4	11.0	15.0	--
APR 04...	0745	360	6.0	21.0	20.0	7.4
MAY 08...	1305	1120	5.5	25.0	22.0	6.3
JUN 14...	0730	89	6.2	21.0	23.5	4.7
JUL 17...	1025	1800	4.6	32.0	26.5	4.1
AUG 07...	0730	736	5.0	26.0	27.0	4.9
SEP 11...	0730	3220	4.6	22.0	24.5	4.1

DATE	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	OXYGEN DEMAND, CHEM- ICAL (LOW LEVEL) (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)
OCT 03...	147	80	7	20	.7	40
NOV 14...	174	50	8	24	1.0	70
DEC 14...	147	50	4	24	1.4	140
JAN 10...	93	80	5	44	2.1	2100
FEB 07...	64	80	12	47	1.4	43000
MAR 06...	42	120	5	55	.9	40
APR 04...	58	100	7	43	.6	430
MAY 08...	43	160	9	57	1.6	8600
JUN 14...	76	130	6	40	.8	230
JUL 17...	42	240	9	--	1.4	2300
AUG 07...	64	200	13	--	1.2	930
SEP 11...	39	320	8	--	.5	680

02226582 SATILLA RIVER NEAR HOBOKEN, GA.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	ALKA- LINITY (MG/L AS CAC03)	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)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 03...	23	<1	1.5	.16	.28	.56	6.0
NOV 14...	30	1	1.5	.20	1.0	.81	9.0
DEC 14...	14	7	.66	.20	.52	.34	10
JAN 10...	4	11	.09	.07	.50	.16	18
FEB 07...	3	9	.08	.07	.40	.08	14
MAR 06...	<1	4	<.02	<.02	.46	.02	21
APR 04...	5	3	.08	.14	.90	.12	15
MAY 08...	4	11	.07	.12	.90	.16	18
JUN 14...	9	10	.29	.20	.80	.29	8.0
JUL 17...	<1	7	.05	.04	--	.10	29
AUG 07...	1	18	.11	.10	--	.15	18
SEP 11...	3	<1	<.02	.02	--	.06	30

SATILLA RIVER BASIN

J2227000 HURRICANE CREEK NEAR ALMA, GA.

LOCATION.--Lat 31°34'00", long 82°27'50", Bacon County, Hydrologic Unit 03070201, at bridge on U.S. Highway 1, 1.5 mi (2.4 km) north of Alma.

DRAINAGE AREA.--150 mi² (388 km²).

PERIOD OF RECORD.--Several miscellaneous samples collected between October 1969 and June 1974. 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, Air Temperature, Water Temperature, pH, and Dissolved Oxygen by U.S. Geological Survey. Water discharge records for the water years 1951-71 are published in reports of the Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	PH (UNITS)	TEMPER- ATURE, AIR (DEG C)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)				
JUL 17...	0900	14	4.5	28.0	25.0	4.4				
AUG 06...	1415	69	4.6	31.0	28.0	5.7				
SEP 10...	1445	16	4.7	30.0	25.0	5.1				

DATE	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LINITY (MG/L AS CAC03)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
JUL 17...	37	175	7	1.2	90	1	.02	.06	.04	21
AUG 06...	38	200	7	.9	230	<1	.03	.04	.03	19
SEP 10...	38	250	2	1.0	62	1	<.02	<.02	.02	25

SATILLA RIVER BASIN

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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 (457 m) downstream from bridge on State Highway 38, 4 mi (6.4 km) northeast of Offerman, and 16 mi (26 km) upstream from mouth.
DRAINAGE AREA.--646 mi² (1,673 km²).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--January 1951 to current year.

GAGE.--Water-stage recorder. Datum of gage is 58.00 ft (17.678 m) National Geodetic Vertical Datum of 1929. Prior to Nov. 8, 1952, water-stage recorder at site 1,500 ft (457 m) upstream and Nov. 8, 1952, to Sept. 30, 1975, water-stage recorder at present site at datum 1.00 ft (0.305 m) higher.

REMARKS.--Records good except those for below 50 ft³/s (1.42 m³/s), which are fair. Records of chemical analyses for the water year 1970 are published in reports of the Geological Survey.

AVERAGE DISCHARGE.--28 years, 521 ft³/s (14.8 m³/s), 10.95 in/yr (278 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 17,200 ft³/s (487 m³/s) Sept. 29, 1953, gage height, 14.5 ft (4.42 m), present datum; no flow Oct. 10 to Nov. 14, 1954.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 13,800 ft³/s (391 m³/s) May 15, gage height, 13.23 ft (4.033 m); minimum, 0.17 ft³/s (0.005 m³/s) Nov. 25, 26.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.6	.61	4.2	35	780	3340	150	465	249	393	938	827
2	1.4	.61	17	101	721	3320	135	454	313	233	1570	771
3	1.3	.53	14	215	673	2720	122	371	276	157	1850	832
4	1.2	.47	10	263	661	2060	123	264	336	96	1720	964
5	1.1	.40	11	257	647	1650	156	246	452	78	1540	1170
6	1.0	.40	19	231	677	1360	166	585	576	298	1520	1330
7	.93	.47	19	230	908	1170	154	749	533	384	1480	1800
8	.84	.53	15	311	1100	1020	147	834	378	700	1210	1950
9	.84	.53	14	380	1270	887	170	924	241	1280	978	1790
10	.84	.53	13	396	1380	799	188	1220	164	2530	862	1660
11	.76	.47	14	373	1540	734	175	1480	121	2720	796	1380
12	.68	.40	15	373	1790	685	151	1630	89	2880	780	1080
13	.84	.40	14	430	1890	642	130	2870	64	2270	685	836
14	1.3	.40	13	494	1790	595	135	9680	46	1720	515	779
15	1.0	.40	11	494	1540	546	129	12900	51	1350	450	791
16	1.0	.40	9.8	450	1260	512	112	8370	423	1040	461	738
17	.84	.34	9.0	404	1030	494	95	5100	723	808	405	637
18	.84	.40	7.9	379	855	464	84	3440	808	626	295	564
19	.76	.40	7.3	363	740	425	92	2670	816	519	200	525
20	.68	.34	7.0	347	642	390	104	2140	754	763	148	452
21	.61	.34	6.8	406	550	352	97	1690	671	873	130	387
22	.53	.34	6.6	437	490	317	81	1310	650	960	106	357
23	.53	.28	6.3	439	510	289	65	1000	587	1150	81	321
24	.53	.28	33	524	606	268	52	770	553	1250	99	320
25	.61	.23	119	604	885	254	77	560	592	1100	256	373
26	.68	.23	142	685	1130	241	211	390	709	965	349	452
27	.68	.34	100	767	1410	222	262	277	824	767	398	987
28	.68	.47	61	827	2070	204	282	178	869	552	412	2650
29	.68	.53	43	858	---	194	333	142	766	432	464	5340
30	.76	1.2	35	878	---	181	396	127	632	479	551	6780
31	.76	---	35	847	---	166	---	123	---	522	811	---
TOTAL	26.80	13.27	831.9	13798	29545	26501	4574	62959	14266	29895	22060	38843
MEAN	.86	.44	26.8	445	1055	855	152	2031	476	964	712	1295
MAX	1.6	1.2	142	878	2070	3340	396	12900	869	2880	1850	6780
MIN	.53	.23	4.2	35	490	166	52	123	46	78	81	320
CFSM	.001	.001	.04	.69	1.63	1.32	.24	3.14	.74	1.49	1.10	2.01
IN.	.00	.00	.05	.79	1.70	1.53	.26	3.63	.82	1.72	1.27	2.24

CAL YR 1978 TOTAL 160512.27 MEAN 440 MAX 3960 MIN .23 CFSM .68 IN 9.24
WTR YR 1979 TOTAL 243312.97 MEAN 667 MAX 12900 MIN .23 CFSM 1.03 IN 14.01

SATILLA RIVER BASIN

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

WATER-QUALITY RECORDS

PERIOD OF RECORD.--August 1957 to May 1958, October 1969 to August 1970, April 1978 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	TEMPER- ATURE (DEG C)	SEDI- MENT, SUS- PENDED (MG/L)	SEDI- MENT DIS- CHARGE, SUS- PENDED (T/DAY)
JAN 16...	1510	442	7.5	5	6.0
MAR 14...	1200	598	15.5	7	12
MAY 22...	1500	1280	24.0	18	62
JUN 18...	1345	816	23.0	43	95
JUL 07...	1100	368	24.5	28	28
SEP 05...	1535	1200	25.5	19	62

SATILLA RIVER BASIN

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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 (7.6 m) upstream from bridge on U.S. Highway 84, 400 ft (122 m) downstream from Seaboard Coast Line Railroad bridge, and 1 mi (1.6 km) west of Atkinson.

DRAINAGE AREA.--2,790 mi² (7,230 km²), approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--March 1930 to current year. Monthly discharge only for some periods, published in WSP 1304.

REVISED RECORDS.--WSP 1504: 1932. WSP 1624: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 14.79 ft (4.508 m) National Geodetic Vertical Datum of 1929. Prior to Dec. 6, 1933, and Nov. 21, 1961, to Sept. 30, 1964, nonrecording gage at same site and datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--49 years, 2,253 ft³/s (63.8 m³/s), 10.97 in/yr (279 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 68,100 ft³/s (1,930 m³/s) Apr. 6, 1948, gage height, 23.9 ft (7.28 m); minimum daily, 21 ft³/s (0.59 m³/s) Nov. 2-5, 7-13, 1954.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known since at least 1862, 27.2 ft (8.29 m) in September 1929, from information by Georgia Department of Transportation; discharge, 110,000 ft³/s (3,120 m³/s).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 17,500 ft³/s (496 m³/s) May 18, gage height, 17.00 ft (5.182 m); minimum, 30 ft³/s (0.85 m³/s) Nov. 25-27.

DISCHARGE, IN CURIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	65	52	36	194	2470	4050	1170	1270	1270	1950	4070	1160
2	63	49	37	208	2620	4220	1110	1380	1140	1870	4090	1380
3	61	47	39	225	2750	4750	1050	1470	1140	1660	4160	1710
4	59	45	41	259	2910	6650	998	1530	1160	1330	4100	2240
5	57	43	50	365	3040	10700	948	1560	1170	1000	4040	3020
6	55	42	58	462	3100	14100	897	1610	1210	877	4070	3810
7	51	41	60	522	3230	14400	860	1710	1240	988	4140	4310
8	49	41	63	570	3380	13200	836	1900	1240	1480	4090	4670
9	47	40	74	616	3480	11500	826	2230	1180	2030	3910	4990
10	46	40	83	692	3520	10000	813	2730	1040	2510	3610	5330
11	45	39	85	784	3600	8780	836	3350	840	3220	3280	5680
12	44	38	88	883	3770	7670	882	4130	654	4380	3040	6050
13	45	37	88	974	4010	6630	922	5210	524	5680	2890	6320
14	70	37	87	1050	4350	5660	991	6430	437	7150	2800	6430
15	69	37	87	1130	4790	4850	1020	7450	392	8180	2770	6210
16	57	36	88	1220	5450	4170	1030	8920	475	8530	2740	5680
17	50	36	85	1310	6430	3630	1030	13100	935	8300	2640	4880
18	50	35	81	1400	7510	3220	1000	17000	1330	7750	2530	4240
19	52	34	81	1450	8210	2910	942	16800	1600	7110	2390	3730
20	50	33	83	1500	8220	2670	891	14600	1870	6360	2160	3390
21	47	32	82	1590	7730	2490	870	12200	2020	5390	1850	3150
22	45	32	78	1630	6960	2360	863	10600	2120	4620	1520	2950
23	44	32	74	1650	6180	2250	843	9330	2090	4470	1220	2740
24	42	32	78	1710	5590	2160	798	8360	1840	4700	935	2560
25	43	31	87	1760	5320	2020	777	7560	1730	4900	746	2410
26	46	30	90	1790	4940	1870	778	6680	1800	4950	677	2380
27	50	31	122	1850	4480	1720	766	5540	1840	4960	767	3390
28	53	33	183	1950	4140	1590	862	4250	1880	4990	896	5130
29	54	33	199	2050	---	1460	1010	2950	1910	4920	988	5980
30	55	35	194	2180	---	1340	1150	2060	1940	4680	1020	6630
31	55	---	191	2320	---	1250	---	1490	---	4310	1050	---
TOTAL	1619	1123	2772	36294	132180	164270	27769	185400	40017	135245	79189	122550
MEAN	52.2	37.4	89.4	1171	4721	5299	926	5981	1334	4363	2554	4085
MAX	70	52	199	2320	8220	14400	1170	17000	2120	8530	4160	6630
MIN	42	30	36	194	2470	1250	766	1270	392	877	677	1160
CFSM	.02	.01	.03	.42	1.69	1.90	.33	2.14	.48	1.56	.92	1.46
IN.	.02	.01	.04	.48	1.76	2.19	.37	2.47	.53	1.80	1.06	1.63
CAL YP 1978 TOTAL	777075			2129	MAX 13300	MIN 30	CFSM .76	IN 10.36				
WTR YR 1979 TOTAL	928428			2544	MAX 17000	MIN 30	CFSM .91	IN 12.38				

SATILLA RIVER BASIN

02228000 SATILLA RIVER AT ATKINSON, GA.--Continued

WATER-QUALITY RECORDS

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

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: October 1975 to current year.

WATER TEMPERATURES: November 1974 to current year.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum recorded, 159 micromhos Nov. 7, 1978; minimum recorded, 30 micromhos Mar. 16, 1977, Sept. 28, 1979.

WATER TEMPERATURES: Maximum, 33.5°C July 11-12, 1977; minimum recorded, 5.0°C Feb. 8-10, 1978.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum recorded, 159 micromhos Nov. 7; minimum recorded, 30 micromhos Sept. 28.

WATER TEMPERATURES: Maximum, 29.0°C July 4, 5, Aug. 25-27; minimum, 7.0°C Jan. 5, Feb. 3, 4.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE, AIR (DEG C)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
OCT 02...	1500	63	77	6.6	--	24.5	8.3
NOV 15...	1520	36	87	7.0	27.0	20.0	--
DEC 05...	1635	52	106	7.4	--	19.5	8.6
JAN 16...	1650	1240	84	4.8	21.0	9.5	11.8
FEB 14...	1430	4380	70	4.0	--	9.0	9.6
MAR 07...	1545	14300	55	4.0	--	16.0	6.3
APR 11...	1500	844	51	4.9	25.0	22.0	7.5
MAY 22...	1500	10300	48	3.9	--	24.0	4.2
AUG 08...	1415	4060	39	4.2	32.5	27.0	4.2
29...	1330	989	47	4.8	--	27.5	5.3

DATE	COLOR (PLAT- INUM- CORALT UNITS)	TUR- BID- ITY (JTU)	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 CAC03)	HARD- NESS, NONCAR- BONATE (MG/L CAC03)	CALCIUM DIS- SOLVED (MG/L AS CA)
OCT 02...	--	--	3.0	--	--	25	20	14	3	2.4
NOV 15...	80	7	4.0	1.7	<30	28	33	17	7	3.4
DEC 05...	--	--	4.0	--	--	100	110	21	8	3.6
JAN 16...	90	5	6.0	1.6	4300	770	32	21	17	3.5
FEB 14...	--	--	5.0	--	--	120	50	12	6	2.0
MAR 07...	--	--	5.0	--	--	100	37	7	7	1.3
APR 11...	120	6	5.0	.8	40	K17	K10	9	5	1.8
MAY 22...	--	--	2.0	--	--	K17	37	7	7	1.5
AUG 08...	300	7	4.0	1.0	<30	30	40	7	6	1.3
29...	--	--	10	--	--	180	40	8	6	1.7

02228000 SATILLA RIVER AT ATKINSON, GA.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LITY (MG/L AS CAC03)	SULFATE DIS- SOLVED (MG/L AS S04)	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)
OCT 02...	1.9	8.6	1.0	1.6	11	9.3	11	.1	7.2	64
NOV 15...	2.1	9.2	1.0	1.5	16	9.0	11	.1	3.6	60
DEC 05...	2.8	12	1.2	2.1	13	12	13	.1	4.6	73
JAN 16...	3.0	7.2	.7	1.9	1	16	11	.0	11	85
FEB 14...	1.6	4.6	.6	1.7	6	11	8.2	.0	7.9	80
MAR 07...	1.0	3.2	.5	1.7	0	7.5	6.3	.0	5.7	73
APR 11...	1.1	5.6	.8	1.9	3	5.6	10	.0	4.0	64
MAY 22...	.8	3.2	.5	1.6	0	6.9	7.1	.0	5.6	88
AUG 08...	.8	4.0	.7	1.2	<1	6.3	7.7	.0	7.6	71
29...	1.0	4.4	.7	1.5	2	7.5	9.2	.0	8.3	72

DATE	SOLIDS, SUM OF CONSTITUENTS, 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, 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,NH4 + ORG. SUSP. TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)
OCT 02...	49	10.9	.09	.04	.01	.57	.58	.22	.36	.62
NOV 15...	46	5.83	.08	.10	<.02	.52	.54	.21	.33	.64
DEC 05...	58	10.2	.10	.22	.02	.41	.63	.00	.63	.65
JAN 16...	57	285	.12	.07	.02	.80	.82	.17	.65	.89
FEB 14...	41	946	.11	.00	.02	.92	.94	.41	.53	.94
MAR 07...	27	2820	.10	.00	.01	.89	.90	.02	.88	.90
APR 11...	33	146	.09	.08	<.02	.61	.67	.00	--	.75
MAY 22...	27	2450	.12	.00	.01	1.2	1.2	.00	1.2	1.2
AUG 08...	31	778	.10	.02	.03	.97	1.0	.00	--	1.0
29...	35	192	.10	.15	.07	.85	.92	.00	--	1.1

SATILLA RIVER BASIN

02228000 SATILLA RIVER AT ATKINSON, GA.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	NITRO- GEN, TOTAL (MG/L AS N03)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C)	CARBON, ORGANIC SUS- PENDED TOTAL (MG/L AS C)	PHYTO- PLANK- TON, TOTAL (CELLS PER ML)	SEDI- MENT, SUS- PENDED (MG/L)	SEDI- MENT DIS- CHARGE, SUS- PENDED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT 02...	2.7	.22	.21	--	8.8	1.6	--	20	3.4	32
NOV 15...	2.8	.09	.15	6.0	--	--	38000	8	.78	100
DEC 05...	2.9	.21	.17	7.4	--	--	--	10	1.4	92
JAN 16...	3.9	.05	.04	--	19	.6	--	17	57	100
FEB 14...	4.2	.02	.01	22	--	--	--	22	260	72
MAR 07...	4.0	.02	.02	21	--	--	200	29	1120	44
APR 11...	3.3	.09	.06	21	22	.2	--	23	52	61
MAY 22...	5.3	.01	.03	31	--	--	13	7	195	83
AUG 08...	4.5	.05	.03	24	29	.7	230	11	121	93
29...	4.7	.10	.05	20	--	--	--	25	67	82

DATE	ARSENIC TOTAL (UG/L AS AS)	ARSENIC DIS- SOLVED (UG/L AS AS)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	COBALT, TOTAL RECOV- ERABLE (UG/L AS CO)	COBALT, DIS- SOLVED (UG/L AS CO)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, DIS- SOLVED (UG/L AS FE)
OCT 02...	1	0	2	1	<10	0	1	1	2	2	1200	610
JAN 16...	1	1	6	3	10	0	1	0	4	1	450	290
APR 11...	3	1	1	1	20	<10	0	0	2	3	1000	520
AUG 08...	2	2	1	1	10	<10	1	1	6	5	1700	1300

DATE	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	LEAD, DIS- SOLVED (UG/L AS PB)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	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, TOTAL (UG/L AS SE)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	SILVER, TOTAL RECOV- ERABLE (UG/L AS AG)	SILVER, DIS- SOLVED (UG/L AS AG)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	ZINC, DIS- SOLVED (UG/L AS ZN)
OCT 02...	12	8	20	20	<.5	<.5	0	0	2	1	10	10
JAN 16...	--	--	110	110	<.5	<.5	0	0	0	0	50	50
APR 11...	7	4	40	30	<.5	<.5	0	0	0	0	30	20
AUG 08...	6	6	30	30	<.5	<.5	0	0	0	0	50	40

02228000 SATILLA RIVER AT ATKINSON, GA.--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH		
1	---	---	108	103	109	104	93	85	---	---	58	56
2	---	---	111	107	110	94	86	81	---	---	58	56
3	---	---	115	110	107	96	92	86	---	---	56	52
4	---	---	113	107	109	96	92	88	---	---	55	50
5	---	---	144	107	111	100	87	78	77	72	53	52
6	---	---	147	112	117	105	83	79	78	76	55	54
7	---	---	159	121	114	105	95	76	75	74	57	54
8	---	---	154	134	114	105	98	87	75	73	55	53
9	---	---	146	130	120	107	98	88	76	74	55	52
10	---	---	156	109	120	114	101	91	75	72	52	49
11	---	---	133	98	---	---	94	88	74	71	50	49
12	---	---	123	92	---	---	89	86	73	70	50	45
13	---	---	109	90	---	---	93	86	72	70	50	46
14	---	---	138	87	---	---	93	92	73	70	50	46
15	---	---	117	87	---	---	94	88	68	66	50	46
16	---	---	125	86	---	---	93	84	65	63	51	47
17	---	---	---	---	---	---	88	70	64	63	51	47
18	---	---	---	---	---	---	88	73	63	62	51	47
19	---	---	---	---	---	---	85	64	62	60	50	45
20	---	---	---	---	---	---	86	79	61	56	50	44
21	---	---	97	87	---	---	---	---	58	56	47	45
22	---	---	92	84	---	---	---	---	56	55	47	42
23	---	---	92	83	---	---	---	---	56	54	46	42
24	89	81	95	86	---	---	---	---	57	54	46	43
25	99	84	99	92	---	---	---	---	55	51	47	44
26	104	84	102	95	---	---	---	---	56	55	47	43
27	95	88	107	98	---	---	---	---	58	55	46	43
28	96	92	109	100	116	86	---	---	58	55	47	43
29	98	94	108	99	96	86	---	---	---	---	47	44
30	98	94	111	105	97	94	---	---	---	---	47	43
31	102	95	---	---	94	87	---	---	---	---	48	46
MONTH	104	81	159	83	120	86	101	64	78	51	58	42
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER		
1	48	46	---	---	---	---	---	---	---	---	---	
2	49	46	---	---	---	---	---	---	---	---	---	
3	49	46	---	---	---	---	---	---	---	---	---	
4	50	46	---	---	---	---	---	---	---	---	---	
5	48	46	---	---	---	---	---	---	---	---	---	
6	49	45	---	---	---	---	---	---	---	---	---	
7	49	47	---	---	---	---	---	---	---	---	---	
8	50	47	---	---	54	51	---	---	---	---	---	
9	---	---	---	---	55	52	---	---	48	43	---	---
10	---	---	---	---	56	53	---	---	46	41	45	43
11	---	---	---	---	58	55	---	---	45	42	44	42
12	---	---	---	---	61	59	---	---	45	43	44	42
13	---	---	---	---	66	62	---	---	47	43	44	42
14	---	---	---	---	68	66	---	---	48	44	44	42
15	---	---	---	---	71	68	---	---	47	44	45	43
16	---	---	---	---	67	63	---	---	47	43	45	43
17	64	56	---	---	63	50	---	---	45	41	47	44
18	57	47	---	---	---	---	---	---	46	43	46	42
19	53	46	---	---	---	---	---	---	47	45	44	42
20	52	43	---	---	---	---	---	---	49	45	44	41
21	50	44	---	---	---	---	---	---	50	47	43	41
22	50	43	---	---	---	---	---	---	55	47	43	40
23	68	45	---	---	---	---	---	---	---	---	43	41
24	87	69	---	---	---	---	---	---	---	---	43	42
25	78	65	---	---	---	---	---	---	---	---	44	42
26	64	57	---	---	---	---	---	---	---	---	44	38
27	64	57	---	---	---	---	---	---	---	---	38	32
28	68	60	---	---	---	---	---	---	---	---	34	30
29	---	---	---	---	---	---	---	---	---	---	34	32
30	---	---	---	---	---	---	---	---	---	---	36	33
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	87	43	---	---	71	50	---	---	55	41	47	30

02228000 SATILLA RIVER AT ATKINSON, GA.--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

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

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

LOCATION.--Lat 30°31'03", long 82°13'50", in NW sec.8, T.1 N., R.21 E., Baker County, Fla.-Charlton County, Ga., Hydrologic Unit 03070204, near right bank at upstream side of bridge on State Highways 2 and 94, 0.2 mi (0.3 km) upstream from Georgia Southern & Florida Railway bridge, 0.4 mi (0.6 km) west of Moniac, 1.0 mi (1.6 km) downstream from Moccasin Creek, and 122 mi (196 km) upstream from mouth of St. Marys River.

DRAINAGE AREA.--160 mi² (410 km²), 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 (27.249 m) National Geodetic Vertical Datum of 1929. January 1921 to June 1934, nonrecording gage at site 800 ft (240 m) downstream at datum 3.22 ft (0.981 m) higher.

REMARKS.--Records good.

AVERAGE DISCHARGE.--34 years (1922-23, 1928-29, 1933, 1951-79), 165 ft³/s (4.67 m³/s), 14.00 in/yr (356 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 11,600 ft³/s (329 m³/s) Apr. 5, 1973, gage height, 22.98 ft (7.004 m); no flow for many days in some years.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,160 ft³/s (61.2 m³/s) Sept. 16, gage height, 14.43 ft (4.398 m); no flow Nov. 6-29.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.9	.59	.55	1.4	60	157	12	102	44	245	87	74
2	1.7	.44	.44	2.2	56	140	11	82	53	173	81	81
3	1.4	.33	1.0	4.4	51	125	9.2	68	65	127	92	79
4	1.1	.18	.93	3.6	49	111	8.7	58	82	96	87	148
5	.92	.05	.81	3.0	49	101	56	55	109	73	120	510
6	.82	.00	.77	2.7	59	95	84	81	100	59	296	584
7	.68	.00	.80	2.5	124	94	71	211	80	87	327	611
8	.54	.00	.70	2.6	164	85	56	975	66	96	263	597
9	.45	.00	.65	2.7	151	75	58	1120	55	88	227	537
10	.43	.00	.66	2.4	134	67	69	1090	47	81	188	444
11	.42	.00	.67	2.2	121	63	62	1090	41	88	152	382
12	.46	.00	.81	3.0	110	61	55	1360	39	191	163	430
13	.65	.00	.85	6.6	98	56	48	1310	34	335	201	481
14	.83	.00	.94	8.0	87	51	79	1100	29	264	167	487
15	.68	.00	.87	7.6	78	47	102	958	35	275	133	937
16	.49	.00	.81	7.0	70	43	81	802	107	204	106	2100
17	.33	.00	.78	6.8	63	39	62	661	144	171	85	1800
18	.25	.00	.70	6.7	57	37	51	543	126	212	70	1370
19	.29	.00	.65	6.7	56	35	44	443	102	427	59	1050
20	.40	.00	.60	7.2	56	32	38	361	82	512	50	774
21	.47	.00	.53	22	52	30	34	292	73	415	42	580
22	.39	.00	.50	26	51	28	30	232	64	295	39	467
23	.42	.00	.50	24	54	29	26	182	55	225	66	459
24	.41	.00	.76	32	64	30	24	147	47	176	129	482
25	.33	.00	1.7	36	120	27	81	131	62	167	148	561
26	.26	.00	1.9	35	191	24	303	109	608	158	160	550
27	.25	.00	1.5	41	191	21	320	88	932	132	144	614
28	.25	.00	1.5	56	175	19	242	73	721	110	120	809
29	.33	.00	1.8	58	---	17	183	61	498	90	109	758
30	.48	.14	1.8	55	---	15	131	51	351	78	93	669
31	.64	---	1.6	57	---	14	---	46	---	80	80	---
TOTAL	18.97	1.73	29.08	531.3	2591	1768	2430.9	13882	4851	5730	4084	19425
MEAN	.61	.058	.94	17.1	92.5	57.0	81.0	448	162	185	132	648
MAX	1.9	.59	1.9	58	191	157	320	1360	932	512	327	2100
MIN	.25	.00	.44	1.4	49	14	8.7	46	29	59	39	74
CFSM	.004	.000	.006	.11	.58	.36	.51	2.80	1.01	1.16	.83	4.05
IN.	.00	.00	.01	.12	.60	.41	.57	3.23	1.13	1.33	.95	4.52
CAL YR 1978	TOTAL	49066.58	MEAN 134	MAX 960	MIN .00	CFSM .84	IN 11.41					
WTR YR 1979	TOTAL	55342.98	MEAN 152	MAX 2100	MIN .00	CFSM .95	IN 12.87					

ST. MARYS RIVER BASIN

02231000 ST MARYS RIVER NEAR MACCLENNEY, FLA.
(National stream-quality accounting network station)

LOCATION.--Lat 30°21'31", long 82°04'54", in NW sec.2, T.2 S., R.22 E., Baker County, Fla.--Charlton County, Ga., Hydrologic Unit 03070204, on right bank 200 ft (60 m) downstream from site of former Stokes Bridge, 1 mi (2 km) downstream from confluence of North and South Prongs, 6 mi (10 km) northeast of Maccleenny, and 100 mi (161 km) upstream from mouth.
DRAINAGE AREA.--700 mi² (1,810 km²), 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 (12.192 m) 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 (60 m) upstream at same datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--53 years, 681 ft³/s (19.3 m³/s), 13.21 in/yr (336 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 28,100 ft³/s (796 m³/s) Sept. 25, 1947, maximum gage height, 23.25 ft (7.087 m) Sept. 13, 1964, from floodmark; minimum discharge observed, 12 ft³/s (0.34 m³/s) May 22, 1932; minimum gage height observed, 0.04 ft (0.012 m) June 4, 5, 1927.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 2,000 ft³/s (56.6 m³/s) and maximum (*).

Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)	Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
May 12	1800	4190 119	14.19 4.325	Sept.18	0700	4240 120	14.24 4.340
Aug. 7	0800	2090 59.2	11.34 3.590	Sept.29	0900	*4580 130	14.58 4.445

Minimum discharge, 23 ft³/s (0.65 m³/s) Nov. 4, 5; minimum gage height, 1.10 ft (0.335 m) Nov. 26, 27.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	35	26	30	42	265	879	66	634	167	723	1010	413
2	35	25	36	48	259	799	62	526	204	558	1470	382
3	34	24	37	92	235	725	58	440	309	432	1240	350
4	33	23	35	95	214	649	57	372	373	343	916	496
5	32	23	33	69	199	587	129	325	633	276	696	1400
6	31	23	31	58	200	558	653	365	612	236	1590	1860
7	31	23	31	52	345	577	828	549	462	262	2050	1790
8	29	24	31	50	558	967	724	1150	358	386	1640	1610
9	28	24	31	49	583	504	613	1980	290	354	1220	1440
10	29	24	31	48	512	437	579	2540	237	314	974	1420
11	29	24	31	47	444	385	558	3230	199	311	1050	1510
12	29	24	33	52	395	355	498	4020	181	405	1260	1600
13	29	24	33	72	355	329	434	4080	178	507	1410	1620
14	36	25	34	94	322	299	479	3960	164	571	1500	1760
15	35	25	33	84	293	269	648	3410	196	483	1300	2000
16	32	25	33	69	267	241	658	2770	684	423	1020	2570
17	29	25	32	63	241	215	538	2210	1110	447	780	3720
18	29	25	32	58	216	192	427	1760	1020	663	600	4150
19	29	25	31	55	203	173	351	1420	794	723	470	3710
20	29	25	32	54	196	159	296	1150	567	908	372	3060
21	29	25	31	91	189	146	247	902	406	966	299	2530
22	28	25	31	167	181	134	208	728	317	776	240	2090
23	28	25	31	160	178	124	177	596	260	623	248	2110
24	27	25	36	152	207	118	156	491	216	563	766	2670
25	27	25	50	189	474	114	186	412	183	506	1160	3630
26	26	26	63	185	858	106	591	361	331	438	1140	3880
27	26	26	51	180	1010	96	984	313	1010	375	962	3280
28	25	26	46	282	967	88	1020	266	1280	309	827	3520
29	26	26	47	318	---	81	913	225	1180	252	738	4490
30	27	27	51	285	---	75	773	194	935	207	614	4150
31	27	---	47	262	---	70	---	170	---	241	487	---
TOTAL	919	742	1134	3522	10366	10051	13911	41549	14856	14581	30049	69211
MEAN	29.6	24.7	36.6	114	370	324	464	1340	495	470	969	2307
MAX	36	27	63	318	1010	879	1020	4080	1280	966	2050	4490
MIN	25	23	30	42	178	70	57	170	164	207	240	350
CFSM	.04	.04	.05	.16	.53	.46	.66	1.91	.71	.67	1.38	3.30
IN.	.05	.04	.06	.19	.55	.53	.74	2.21	.79	.77	1.60	3.68

CAL YR 1978	TOTAL	222495	MEAN 610	MAX 4370	MIN 23	CFSM .87	IN 11.82
WTR YR 1979	TOTAL	210891	MEAN 578	MAX 4490	MIN 23	CFSM .83	IN 11.21

ST. MARYS RIVER BASIN

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

WATER-QUALITY RECORDS

PERIOD OF RECORD.--March 1965 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: March 1965 to December 1969, January 1974 to current year.

WATER TEMPERATURES: March 1965 to October 1969, October 1970, January 1974 to September 1976.

REMARKS.--Extremes may have been exceeded during periods of missing record.

WATER QUALITY DATA. WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

			STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)			
DATE	TIME									
OCT 04...	1100		33	78	6.5	25.0	7.5			
NOV 03...	1130		29	103	6.6	21.0	8.7			
DEC 05...	1330		32	104	6.9	21.0	8.7			
JAN 03...	1300		87	90	6.6	13.5	9.3			
FEB 06...	1200		209	74	5.4	11.5	10.3			
MAR 14...	1120		306	62	5.9	15.5	9.2			
APR 03...	1400		58	65	6.3	23.0	6.9			
MAY 15...	1430		3690	49	4.3	23.5	4.9			
JUN 13...	1230		178	42	5.2	24.0	--			
JUL 17...	1300		424	40	4.5	27.0	6.3			
AUG 14...	1500		1510	40	--	25.5	5.7			
SEP 11...	1100		1580	47	4.3	24.0	6.2			
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, NONCAR- BONATE (MG/L AS CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)
OCT 04...	3.0	70	20	33	4	7.0	3.7	4.8	.4	.7
NOV 03...	2.0	60	5	38	0	8.4	4.1	5.2	.4	.9
DEC 05...	2.0	60	10	40	3	8.5	4.6	6.0	.4	1.2
JAN 03...	1.0	350	110	35	4	7.9	3.6	5.6	.4	1.0
FEB 06...	2.0	93	20	20	15	4.1	2.4	5.8	.6	.4
MAR 14...	2.0	37	10	11	11	2.1	1.4	4.7	.6	.2
APR 03...	2.0	67	7	21	9	4.7	2.3	5.3	.5	.5
MAY 15...	1.0	180	28	6	6	1.2	.7	3.0	.5	.4
JUN 13...	1.0	100	25	12	6	2.6	1.3	3.4	.4	.3
JUL 17...	3.0	150	--	9	9	2.3	.8	2.6	.4	.3
AUG 14...	4.0	240	--	8	8	2.1	.7	2.5	.4	.5
SEP 11...	5.0	370	200	7	7	1.8	.7	3.0	.5	.4

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	ALKA- LINITY (MG/L AS CAC03)	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, NITRATE TOTAL (MG/L AS N)
OCT 04...	29	4.0	6.7	.1	7.1	64	52	5.86	.09	.01
NOV 03...	39	5.6	7.2	.1	6.0	61	61	4.81	.08	.01
DEC 05...	37	4.6	7.7	.1	5.9	65	61	5.76	.09	.05
JAN 03...	31	6.3	8.2	.1	8.8	66	60	15.5	.09	.11
FEB 06...	5	12	9.0	.1	11	87	48	49.1	.12	.05
MAR 14...	0	6.6	8.7	.1	7.9	89	32	73.5	.12	.04
APR 03...	12	5.0	8.2	.0	7.8	66	41	10.5	.09	.09
MAY 15...	0	9.6	6.4	.0	3.8	101	26	1010	.14	.00
JUN 13...	6	7.1	6.4	.0	6.2	96	31	46.1	.13	.02
JUL 17...	0	6.3	5.8	.0	4.7	82	23	93.9	.11	.02
AUG 14...	0	7.8	5.5	.0	4.9	91	25	371	.12	.00
SEP 11...	0	6.8	5.9	.0	5.3	80	24	341	.11	.01

DATE	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	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,AM- MONIA + ORGANIC DIS. (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)
OCT 04...	.01	.02	.02	.28	.30	.19	.32	1.4	.08	.06
NOV 03...	.00	.01	.02	.22	.24	.12	.25	1.1	.11	.09
DEC 05...	.01	.06	.02	.14	.16	.15	.22	1.0	.20	.17
JAN 03...	.01	.12	.02	.08	.10	.08	.22	1.0	.11	.10
FEB 06...	.01	.06	.02	.62	.64	.62	.70	3.1	.04	.03
MAR 14...	.01	.05	.01	.86	.87	.87	.92	4.1	.04	.03
APR 03...	.01	.10	.04	.70	.74	.74	.84	3.7	.06	.04
MAY 15...	.02	.02	.02	1.1	1.1	1.1	1.1	5.0	.03	.02
JUN 13...	.02	.04	.00	.90	.90	.90	.94	4.2	.04	.04
JUL 17...	.02	.04	.00	.83	.83	.85	.87	3.9	.03	.03
AUG 14...	.02	.02	.01	.88	.89	.38	.91	4.0	.04	.02
SEP 11...	.01	.02	.00	.98	.98	.93	1.0	4.4	.04	.02

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	CARBON, ORGANIC TOTAL (MG/L AS C)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C)	CARBON, ORGANIC SUS-PENDED TOTAL (MG/L AS C)	PHYTO-PLANK-TON, TOTAL (CELLS PER ML)	PERI-PHYTON BIOMASS ASH WEIGHT (G/SQ M)	PERI-PHYTON BIOMASS DRY WEIGHT (G/SQ M)	CHLOR-A PERI-PHYTON CHROMO-GRAPHIC FLUOROM (MG/M2)	CHLOR-B PERI-PHYTON CHROMO-GRAPHIC FLUOROM (MG/M2)	SEDI-MENT, SUS-PENDED (MG/L)	SEDI-MENT DIS-CHARGE, SUS-PENDED (T/DAY)
OCT 04...	21	--	--	--	--	--	--	--	6	.55
NOV 03...	--	6.0	.1	720	1.02	1.57	4.44	.720	2	.16
DEC 05...	5.0	--	--	--	--	--	--	--	4	.35
JAN 03...	4.7	--	--	830	--	--	--	--	2	.47
FEB 06...	--	23	.3	--	2.99	3.86	26.6	.000	5	2.8
MAR 14...	40	--	--	--	--	--	--	--	3	2.5
APR 03...	22	--	--	700	--	--	--	--	5	.79
MAY 15...	--	53	.2	--	1.50	1.89	.000	.000	5	50
JUN 13...	53	--	--	--	--	--	--	--	--	--
JUL 17...	33	--	--	100	--	--	--	--	4	4.6
AUG 14...	42	--	.3	--	9.69	10.7	.000	.000	8	33
SEP 11...	44	--	--	180	--	--	--	--	13	55

DATE	ARSENIC TOTAL (UG/L AS AS)	ARSENIC DIS-SOLVED (UG/L AS AS)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)	CADMIUM DIS-SOLVED (UG/L AS CD)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR)	COBALT, TOTAL RECOV-ERABLE (UG/L AS CO)	COBALT, DIS-SOLVED (UG/L AS CO)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	COPPER, DIS-SOLVED (UG/L AS CU)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	IRON, DIS-SOLVED (UG/L AS FE)
NOV 03...	0	0	0	0	20	1	1	1	0	0	300	270
FEB 06...	0	0	0	0	10	2	2	2	0	0	290	230
MAY 15...	1	1	0	0	20	10	3	1	1	1	930	960
AUG 14...	1	1	1	1	<10	<10	0	1	3	2	920	770

DATE	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	LEAD, DIS-SOLVED (UG/L AS PB)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	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, TOTAL (UG/L AS SE)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	SILVER, TOTAL RECOV-ERABLE (UG/L AS AG)	SILVER, DIS-SOLVED (UG/L AS AG)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	ZINC, DIS-SOLVED (UG/L AS ZN)
NOV 03...	4	3	20	0	<.5	<.5	0	0	0	0	30	0
FEB 06...	2	0	30	20	<.5	<.5	0	0	0	0	30	10
MAY 15...	7	0	20	20	<.5	<.5	0	0	0	0	30	20
AUG 14...	1	0	10	10	<.5	<.5	0	0	1	0	20	20

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

[illegible][illegible][illegible][illegible]

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

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C) • WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	75	102	110	102	76	65	62	---	44	45	35	37
2	80	99	103	94	81	67	65	---	45	44	36	34
3	83	98	104	87	77	64	68	---	45	44	35	37
4	90	100	94	94	82	65	62	---	44	41	36	36
5	84	100	103	92	74	64	60	---	43	42	38	37
6	84	98	108	90	72	64	54	---	47	40	36	38
7	85	98	109	88	67	64	58	---	48	41	38	40
8	---	99	107	92	72	62	53	---	46	41	40	40
9	88	101	101	93	72	64	54	---	44	40	42	38
10	88	100	102	87	76	63	54	---	43	40	40	41
11	87	104	102	93	74	63	54	---	43	41	35	41
12	---	104	102	94	73	72	53	---	42	55	35	41
13	88	104	100	83	72	60	54	---	44	40	35	40
14	84	98	100	95	73	68	52	---	57	40	37	40
15	85	100	100	96	72	71	52	49	39	41	36	36
16	88	102	99	91	71	55	58	---	44	---	37	37
17	91	102	104	92	68	55	56	---	44	39	37	35
18	80	103	106	87	68	55	54	---	49	39	37	41
19	95	103	107	92	67	56	54	---	56	---	38	40
20	95	105	99	79	67	56	56	---	47	42	38	42
21	86	105	102	80	68	54	51	---	46	42	38	45
22	93	102	101	79	66	56	50	---	45	43	40	41
23	86	104	99	80	64	56	50	---	43	42	41	39
24	88	104	97	78	65	60	50	---	44	40	41	41
25	95	101	94	78	64	56	50	---	---	45	39	38
26	97	104	102	82	67	57	53	---	46	41	40	36
27	97	104	112	83	71	62	54	---	39	41	39	38
28	95	102	105	75	70	62	54	---	47	42	38	36
29	95	102	98	74	---	60	60	---	39	41	38	41
30	90	102	94	74	---	63	54	---	47	39	41	39
31	98	---	97	76	---	58	---	---	---	39	39	---
MEAN	89	102	102	86	71	61	55	49	45	42	38	39
WTR YR 1979	MEAN	66	MAX	112	MIN	34						

ST. MARYS RIVER BASIN

02231220 ST. MARYS RIVER AT BOULOGNE, FLA.

LOCATION.--Lat 30°46'35", long 81°58'44", Nassau County, Fla.--Charlton County, Ga., Hydrologic Unit 03070204, at bridge on U.S. Highways 1, 23, and 301, at Boulogne.

DRAINAGE AREA.--1,180 mi² (3,060 km²), approximately; includes part of watershed in Okefenokee Swamp, 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 Air Temperature, Water Temperature, pH, and Dissolved Oxygen by U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	PH (UNITS)	TEMPER- ATURE, AIR (DEG C)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
OCT 04...	0715	7.1	18.0	23.5	5.1
NOV 15...	0900	6.7	17.0	17.0	5.9
DEC 14...	1130	7.3	10.0	11.5	8.6
JAN 10...	0820	6.6	-2.5	7.0	10.4
FEB 07...	1115	6.2	18.5	7.5	10.6
MAR 06...	1010	5.1	12.0	16.0	--
APR 03...	1730	6.7	26.5	22.5	6.0
MAY 08...	1200	5.1	23.5	22.0	6.5
JUN 14...	0830	5.4	24.0	25.5	5.6
JUL 17...	1130	5.2	31.0	28.0	4.5
AUG 07...	0815	4.7	26.0	25.5	5.8
SEP 11...	0830	4.6	22.0	25.0	4.5

DATE	SPF- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	OXYGEN DEMAND, RTO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, FC BROTH (MPN)	ALKA- LINITY (MG/L AS CAC03)	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 04...	85	240	5	.5	230	25	.06	.48	.06	17
NOV 15...	124	100	5	2.5	90	35	.02	<.02	.03	10
DEC 14...	116	160	5	.8	230	37	.04	.04	.04	10
JAN 10...	104	100	3	1.3	40	21	.09	<.02	.09	14
FEB 07...	92	120	5	1.0	40	7	.07	.03	.04	19
MAR 06...	74	200	5	1.2	430	3	.03	<.02	.04	28
APR 03...	77	160	7	--	--	16	.08	<.02	.05	23
MAY 08...	43	200	8	1.2	4300	3	.02	<.02	.04	27
JUN 14...	46	250	6	.4	<30	4	.03	.03	.07	21
JUL 17...	41	300	8	2.1	390	4	.02	<.02	.04	27
AUG 07...	39	250	10	1.8	390	1	.03	.04	.04	20
SEP 11...	41	300	8	.4	430	2	<.02	<.02	.02	36

SUWANNEE RIVER BASIN

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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 (6.4 km) upstream from Suwannoochee Creek, and 12 mi (19 km) downstream from Mixons Ferry damsite.

DRAINAGE AREA.--About 1,260 mi² (3,260 km²), 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 some periods, 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 (28.011 m) National Geodetic Vertical Datum of 1929. Jan. 27, 1921, to Sept. 30, 1923, nonrecording gage at site 1,200 ft (366 m) upstream at datum 3.00 ft (0.914 m) higher. Jan. 27, 1927, to Dec. 31, 1931, and Apr. 20 1937, to June 10, 1938, nonrecording gage at site 1,000 ft (305 m) upstream at datum 1.00 ft (0.305 m) higher, June 11, 1938, to Nov. 26, 1952, nonrecording gage at site 1,000 ft (305 m) upstream at present datum. Oct. 14, 1960, to Oct. 29, 1970, auxiliary water-stage recorder at site about 3 mi (4.8 km) upstream and since Nov. 5, 1971, auxiliary water-stage recorder at site about 2 mi (3.2 km) upstream.

REMARKS.--Records good. Low flow at times affected by manipulation of water level at Mixons Ferry Dam.

AVERAGE DISCHARGE.--46 years (1927-31, 1937-79), 1,099 ft³/s (31.1 m³/s), 11.84 in/yr (301 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 13,800 ft³/s (391 m³/s) Oct. 1, 5, 6, 1928; maximum gage height, 21.01 ft (6.404 m) Apr. 9, 1973; no flow at times in 1931, 1943, 1954.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,450 ft³/s (69.4 m³/s) May 15; maximum gage height, 11.22 ft (3.420 m) May 15; minimum discharge, 3.1 ft³/s (0.088 m³/s) Nov. 4-6.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.1	3.4	4.6	6.1	18	520	256	536	846	1310	1710	989
2	5.5	3.3	4.6	8.4	20	538	239	532	848	1190	1810	950
3	5.1	3.2	4.6	8.9	22	553	223	546	831	1110	2010	927
4	4.8	3.2	4.8	8.1	24	569	212	547	831	1040	2160	958
5	4.6	3.2	4.9	6.2	31	595	217	534	820	981	2240	1070
6	4.5	3.2	4.9	5.3	52	622	228	542	810	933	2250	1200
7	4.3	3.2	4.8	5.5	95	643	220	750	787	919	2200	1310
8	4.1	3.4	4.6	5.9	119	658	205	1380	756	909	2140	1360
9	4.0	3.5	4.7	5.7	127	664	205	1790	726	893	2110	1350
10	4.1	3.5	4.9	5.3	138	666	225	2170	694	904	2050	1320
11	4.1	3.4	4.7	5.2	153	668	223	2280	656	1010	2010	1300
12	4.1	3.5	4.7	6.0	167	668	213	2310	611	1280	1980	1320
13	4.2	3.6	4.8	6.5	180	658	207	2340	564	1650	1960	1440
14	4.2	3.5	4.7	6.2	190	642	296	2420	524	1880	1930	1640
15	4.3	3.5	4.6	5.6	198	619	372	2440	502	1930	1850	1860
16	4.1	3.5	4.6	5.4	203	588	362	2390	822	1920	1740	2010
17	3.8	3.5	4.6	5.3	205	560	335	2280	1070	1980	1630	2080
18	3.8	3.5	4.5	5.4	205	537	313	2180	1230	2060	1500	2140
19	4.0	3.5	4.6	5.5	209	512	293	2080	1320	2160	1370	2170
20	4.0	3.4	4.7	5.7	215	485	273	1970	1300	2240	1240	2180
21	3.9	3.4	4.8	8.2	217	457	253	1880	1230	2250	1120	2170
22	3.8	3.4	4.8	7.3	220	431	234	1790	1180	2210	1000	2150
23	3.7	3.4	4.7	6.3	235	410	220	1690	1160	2160	912	2140
24	3.6	3.4	5.3	7.3	253	402	209	1610	1110	2140	886	2140
25	3.6	3.4	6.2	7.9	347	388	266	1530	1060	2110	988	2130
26	3.5	3.3	6.3	7.8	449	363	467	1400	1190	2050	1010	2120
27	3.5	3.4	5.6	9.7	486	339	542	1240	1400	2000	996	2170
28	3.5	3.8	5.8	12	504	322	555	1110	1560	1940	961	2250
29	3.6	4.1	5.8	13	---	306	551	981	1560	1870	965	2340
30	4.0	4.2	5.8	13	---	289	543	874	1450	1810	1020	2430
31	3.8	---	5.9	16	---	273	---	829	---	1730	1030	---
TOTAL	128.2	103.8	154.9	230.7	5282	15945	8957	46951	29448	50569	48778	51614
MEAN	4.14	3.46	5.00	7.44	189	514	299	1515	982	1631	1573	1720
MAX	6.1	4.2	6.3	16	504	668	555	2440	1560	2250	2250	2430
MIN	3.5	3.2	4.5	5.2	18	273	205	532	502	893	886	927
CFSM	.003	.003	.004	.006	.15	.41	.24	1.20	.78	1.29	1.25	1.37
IN.	.00	.00	.00	.01	.16	.47	.26	1.39	.87	1.49	1.44	1.52
CAL YR 1978	TOTAL	277899.9	MEAN	761	MAX	3190	MIN	3.2	CFSM	.60	IN	8.20
WTR YR 1979	TOTAL	258161.6	MEAN	707	MAX	2440	MIN	3.2	CFSM	.56	IN	7.62

SUWANNEE RIVER BASIN

02314500 SUWANNEE RIVER AT FARGO, GA.--Continued

WATER-QUALITY RECORDS

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	PH (UNITS)	TEMPER- ATURE, AIR (DEG C)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
OCT 04...	0945	4.9	5.1	25.0	22.0	7.5
NOV 15...	1045	3.5	5.0	25.0	19.0	7.7
DEC 14...	1230	4.8	5.5	13.0	8.0	10.6
JAN 09...	0830	5.8	5.9	-3.5	4.0	10.9
FEB 06...	1040	50	4.2	8.0	7.0	11.1
MAR 06...	1125	624	3.7	13.0	16.5	--
APR 03...	1215	224	4.1	27.0	22.0	7.5
MAY 08...	1010	1350	4.1	26.0	22.5	6.1
JUN 05...	0900	820	3.9	27.5	26.0	4.1
JUL 12...	0905	1220	3.8	28.0	26.0	4.5
AUG 15...	0800	1920	6.1	27.0	26.0	4.3
SEP 06...	0900	1190	3.7	29.0	26.0	5.0

DATE	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	OXYGEN DEMAND, CHEM- ICAL (LOW LEVEL) (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LITY (MG/L AS CAC03)
OCT 04...	40	200	4	69	1.0	230	5
NOV 15...	48	240	5	91	1.0	<30	4
DEC 14...	48	200	2	86	1.8	<30	5
JAN 09...	44	160	<1	59	.6	<30	5
FEB 06...	48	180	5	79	.9	430	<1
MAR 06...	82	200	2	95	1.2	70	<1
APR 03...	55	180	5	92	--	--	<5
MAY 08...	59	220	4	96	2.4	930	<1
JUN 05...	58	300	2	100	2.0	<30	<1
JUL 12...	50	325	5	--	--	230	--
AUG 15...	52	240	3	--	1.6	<30	14
SEP 06...	46	300	1	--	--	--	<1

02314500 SUWANNEE RIVER AT FARGO, GA.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	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)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)	TANNIN AND LIGNIN (MG/L)
OCT 04...	<1	<.02	<.02	.07	.07	28	5.2
NOV 15...	<1	<.02	<.02	.80	.03	31	5.8
DEC 14...	3	<.02	.40	1.1	.03	30	5.4
JAN 09...	7	<.02	<.02	.60	.04	27	5.6
FEB 06...	6	<.02	<.02	.70	.08	30	6.0
MAR 06...	5	<.02	<.02	.86	<.02	37	7.2
APR 03...	<1	<.02	<.02	1.5	.01	40	7.4
MAY 08...	9	<.02	<.02	1.0	.02	31	7.8
JUN 05...	3	<.02	<.02	1.2	.03	31	--
JUL 12...	4	<.02	<.02	--	.02	36	7.2
AUG 15...	5-	<.02	.02	--	<.02	35	6.5
SEP 06...	<1	<.02	<.02	--	<.02	42	4.0

02316000 ALAPAHA RIVER NEAR ALAPAHA, GA.

LOCATION.--Lat 31°23'03", long 83°11'33", Berrien County, Hydrologic Unit 03110202, near right bank on downstream side of bridge on State Highway 50, 2 mi (3.2 km) east of Alapaha, and 6 mi (9.7 km) upstream from Willacoochee River.

DRAINAGE AREA.--663 mi² (1,720 km²).

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

		DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)				
		MAY 15...	1000	370	45	5.0	21.0	5.5				
		AUG 14...	0830	225	45	5.0	23.5	5.6				
DATE	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	HARD- NESS (MG/L AS CaCO3)	HARD- NESS, NONCAR- BONATE (MG/L CaCO3)	CALCIUM DIS- SOLVED (MG/L AS Ca)	MAGNE- SIUM, DIS- SOLVED (MG/L AS Mg)	SODIUM, DIS- SOLVED (MG/L AS Na)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LINITY (MG/L AS CaCO3)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS Cl)
MAY 15...	100	10	10	7	2.1	1.1	3.3	1.7	3	--	2.3	9.0
AUG 14...	10	15	10	6	2.2	1.1	2.9	1.6	4	78	4.4	7.2
DATE	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, 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,NH4 + ORG. SUSP. 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- PHATE, TOTAL (MG/L AS PO4)
MAY 15...	.0	6.3	64	.03	.03	1.6	1.6	.63	.97	1.6	.04	.12
AUG 14...	.1	7.7	58	.09	.01	.73	.74	.00	--	.83	.05	--
DATE	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	ALUM- INUM, DIS- SOLVED (UG/L AS AL)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC DIS- SOLVED (UG/L AS AS)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS Cd)	CADMIUM DIS- SOLVED (UG/L AS Cd)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS Cr)	CHRO- MIUM, DIS- SOLVED (UG/L AS Cr)	COPPER, TOTAL RECOV- ERABLE (UG/L AS Cu)	COPPER, DIS- SOLVED (UG/L AS Cu)	IRON, TOTAL RECOV- ERABLE (UG/L AS Fe)	IRON, DIS- SOLVED (UG/L AS Fe)
MAY 15...	.02	240	1	1	1	1	10	<10	3	4	2400	680
AUG 14...	.02	200	1	1	--	1	--	10	--	8	--	900
DATE	LEAD, TOTAL RECOV- ERABLE (UG/L AS Pb)	LEAD, DIS- SOLVED (UG/L AS Pb)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS Mn)	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, TOTAL (UG/L AS Se)	SELE- NIUM, DIS- SOLVED (UG/L AS Se)	ZINC, TOTAL RECOV- ERABLE (UG/L AS Zn)	ZINC, DIS- SOLVED (UG/L AS Zn)	CARBON, ORGANIC TOTAL (MG/L AS C)	
MAY 15...	7	1	80	50	<.5	<.5	0	0	40	10	15	
AUG 14...	4	3	--	70	<.5	<.5	--	0	--	50	16	

02316120 TURKEY BRANCH NEAR FITZGERALD, GA.

LOCATION.--Lat 31°40'45", long 83°15'03", Ben Hill County, Hydrologic Unit 03110202, at bridge on county road 1.8 mi (2.4 km) south of Fitzgerald.

DRAINAGE AREA.--14.5 mi² (37.6 km²).

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 Air Temperature, Water Temperature, pH, and Dissolved Oxygen by U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	PH (UNITS)	TEMPER- ATURE, AIR (DEG C)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
JUL 09...	0940	6.9	25.0	23.0	.4
AUG 13...	0845	6.9	20.0	23.0	6.7
SEP 04...	0920	6.7	25.0	26.0	.3

DATE	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	COLOR (PLAT- INUM- COBALT UNITS)	- TUR- BID- ITY (JTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LINITY (MG/L AS CAC03)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
JUL 09...	215	60	16	>7.0	2300	64	.02	3.2	1.9	12
AUG 13...	165	60	23	8.2	430	45	.08	1.5	1.3	14
SEP 04...	178	80	19	8.8	1500	49	<.02	2.1	1.6	14

SUWANNEE RIVER BASIN

02316218 STUMP CREEK NEAR OCILLA, GA.

LOCATION.--Lat 31°33'07", long 83°13'23", Irwin County, Hydrologic Unit 03110202, at culvert on county road 1.4 mi (2.3 km) upstream of Little Brushy Creek, and 3 mi (4.8 km) southeast of Ocilla.

DRAINAGE AREA.--18.1 mi² (46.9 km²).

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, Air Temperature, Water Temperature, pH, and Dissolved Oxygen by U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	PH (UNITS)	TEMPER- ATURE, AIR (DEG C)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)					
JUL 09...	0940	1.5	6.8	24.5	22.5	2.5					
AUG 13...	0900	1.6	7.1	19.0	22.5	.7					
SEP 04...	0840	1.5	6.6	25.0	26.0	4.7					

DATE	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LINEITY (MG/L AS CAC03)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
JUL 09...	160	60	15	3.7	230	29	.72	.13	.72	13
AUG 13...	260	40	66	>5.9	1500	76	.28	.90	2.6	26
SEP 04...	112	120	10	2.8	2300	22	.26	.06	.41	12

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 (0.3 km) west of Statenville.

DRAINAGE AREA.--1,400 mi² (3,630 km²), approximately.

PERIOD OF RECORD.--January to June 1921, October 1931 to current year. Monthly discharge only for some periods, published in WSP 1304.

REVISED RECORDS.--WSP 822: 1936, drainage area.

GAGE.--Water-stage recorder. Datum of gage is 76.77 ft (23.400 m) National Geodetic Vertical Datum of 1929 (levels by Georgia Department of Transportation). Jan. 28 to June 30, 1921, nonrecording gage at site 50 ft (15 m) upstream at datum 2.10 ft (0.64 m) higher. Dec. 10, 1931, to Nov. 30, 1949, nonrecording gage at site 200 ft (61 m) upstream at present datum, and Dec. 1, 1949, to Nov. 22, 1952, nonrecording gage at same site and datum.

REMARKS.--Records good. Records of chemical analyses for the water years 1968-74 are published in reports of the Geological Survey.

AVERAGE DISCHARGE.--48 years (1931-79), 1,045 ft³/s (29.6 m³/s), 10.14 in/yr (258 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 27,300 ft³/s (773 m³/s) Apr. 6, 1948, gage height, 29.8 ft (9.08 m), from graph based on gage readings; minimum, 16 ft³/s (0.45 m³/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.--Maximum discharge, 8,540 ft³/s (242 m³/s) Mar. 9, gage height, 25.57 ft (7.794 m); minimum, 23 ft³/s (0.65 m³/s) Nov. 26, 27.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	48	32	57	110	1630	4540	1010	996	344	143	977	382
2	46	30	55	161	1650	4920	942	967	333	141	1430	348
3	44	29	50	199	1650	5350	878	960	308	135	1580	361
4	43	28	46	209	1680	5770	838	966	292	128	1420	490
5	42	27	46	209	1690	6170	858	967	282	122	1210	620
6	41	27	47	234	1790	6590	851	979	266	118	1020	621
7	39	27	44	259	2300	7450	839	1060	291	116	877	570
8	37	29	45	294	2490	8320	868	1690	363	119	731	481
9	37	28	46	330	2530	8490	956	2120	450	129	599	406
10	37	28	45	369	2610	8140	1030	2330	546	137	513	356
11	36	27	47	444	2700	7460	1040	2400	618	161	428	318
12	34	27	60	542	2810	6670	1040	2150	643	225	371	315
13	36	27	66	620	3020	5940	1070	2020	609	306	324	393
14	36	27	68	675	3420	4750	1330	2010	526	346	291	468
15	34	27	66	714	3900	3540	1570	1930	443	358	345	453
16	33	27	65	746	4330	2810	1560	1750	375	386	440	402
17	33	27	62	772	4630	2460	1540	1520	330	642	416	350
18	33	26	59	790	4770	2240	1510	1270	297	791	348	324
19	34	26	57	807	4750	2090	1470	1060	270	1090	295	316
20	34	25	55	826	4550	1960	1420	933	247	1130	258	322
21	32	25	54	960	4170	1830	1350	864	241	1060	235	330
22	32	25	52	1010	3690	1730	1270	806	217	938	217	332
23	31	24	51	1020	3380	1650	1150	777	204	877	202	309
24	31	25	68	1090	3250	1580	1040	762	193	831	191	300
25	30	24	81	1140	3540	1510	1030	733	189	885	197	312
26	30	23	75	1190	3740	1440	1140	688	200	1020	195	357
27	30	26	72	1290	3930	1370	1170	626	177	1010	188	512
28	32	29	71	1410	4200	1290	1140	549	161	988	265	647
29	35	28	73	1470	---	1220	1090	470	149	902	373	617
30	35	38	87	1520	---	1150	1040	405	144	819	442	616
31	33	---	97	1580	---	1070	---	363	---	762	432	---
TOTAL	1108	818	1867	22990	88800	121500	34040	37121	9708	16815	16810	12628
MEAN	35.7	27.3	60.2	742	3171	3919	1135	1197	324	542	542	421
MAX	48	38	97	1580	4770	8490	1570	2400	643	1130	1580	647
MIN	30	23	44	110	1630	1070	838	363	144	116	188	300
CFSM	.03	.02	.04	.53	2.27	2.80	.81	.86	.23	.39	.39	.30
IN.	.03	.02	.05	.61	2.36	3.23	.90	.99	.26	.45	.45	.34
CAL YR 1978	TOTAL	395790	MEAN	1084	MAX	6590	MIN 23	CFSM .77	IN 10.52			
WTR YR 1979	TOTAL	364205	MEAN	998	MAX	8490	MIN 23	CFSM .71	IN 9.68			

SUWANNEE RIVER BASIN

02317718 NEW RIVER NEAR TIFTON, GA.

LOCATION.--Lat 31°26'33", long 83°28'33", Tift County, Hydrologic Unit 03110203, at bridge on U.S. Highway 82, 1.6 mi (2.6 km) east of Tifton.

DRAINAGE AREA.--10.4 mi² (26.9 km²).

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, Air Temperature, Water Temperature, pH, and Dissolved Oxygen by U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	PH (UNITS)	TEMPER- ATURE, AIR (DEG C)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
JUL 09...	1040	2.5	7.3	27.5	25.0	1.3
AUG 13...	0930	2.9	6.6	25.0	23.5	1.4
SEP 04...	1000	.60	7.4	25.5	25.5	.9

DATE	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LINITY (MG/L AS CAC03)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDE (MG/L)	NITRO- GEN, N02+N03 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
JUL 09...	360	40	14	6.4	390	82	14	2.0	5.6	.27	9.0
AUG 13...	280	50	48	4.9	2300	49	29	2.8	2.2	1.5	--
SEP 04...	383	35	9	>7.3	4300	125	6	.14	11	5.4	10

02317748 WITHLACOOCHEE RIVER NEAR BEMISS, GA.

LOCATION.--Lat 30°57'24", long 83°16'12", Lowndes County, Hydrologic Unit 03110203, on downstream side of county bridge on Skipper Bridge Road, 1.9 mi (3.1 km) downstream from Cat Creek, and 3.0 mi (4.8 km) northwest of Bemiss.

DRAINAGE AREA.--501 mi² (1,300 km²), approximately.

PERIOD OF RECORD.--October 1976 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 130 ft (40 m), from topographic map.

REMARKS.--Records good except those for period of no gage-height record, Feb. 25 to Mar. 22, which are fair.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 14,000 ft³/s (396 m³/s) Feb. 26, 1979, gage height, 22.24 ft (6.779 m), from rating curve extended above 7,000 ft³/s (198 m³/s) and runoff comparison with nearby station; minimum discharge, 4.1 ft³/s (0.12 m³/s) Oct. 25, 1978.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 14,000 ft³/s (396 m³/s) Feb. 26, gage height, 22.24 ft (6.779 m), from rating curve extended as explained above; minimum discharge, 4.1 ft³/s (0.12 m³/s) Oct. 25.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.7	7.1	75	122	929	5600	205	399	49	55	167	272
2	8.2	7.4	53	210	880	4200	186	381	58	40	194	242
3	8.2	6.4	67	240	839	3100	168	307	60	31	151	234
4	7.6	5.6	60	260	793	2200	176	226	64	23	142	199
5	6.8	5.4	68	240	753	1600	246	172	57	18	116	167
6	6.2	5.6	74	250	811	1400	260	141	46	17	92	145
7	5.8	5.4	75	263	1380	1200	253	183	39	19	72	133
8	5.6	5.8	86	386	1890	1000	272	566	35	21	58	129
9	5.2	6.4	85	435	2900	820	359	1070	32	24	58	109
10	5.0	6.6	81	466	5270	700	491	1230	30	49	43	86
11	5.2	6.4	69	502	5120	580	449	1140	27	74	40	69
12	5.0	7.4	59	537	3700	580	362	1030	22	89	414	58
13	5.2	7.6	52	611	2690	560	297	955	18	75	391	52
14	4.7	7.9	47	676	1950	530	470	837	16	77	195	51
15	4.6	7.9	42	656	1420	500	592	681	16	76	124	61
16	5.0	7.9	38	566	1090	470	674	536	17	78	90	63
17	6.8	7.6	34	483	854	440	811	397	18	102	108	55
18	7.4	7.4	31	435	713	430	893	299	20	261	157	52
19	6.8	7.6	30	409	628	410	909	238	19	378	161	52
20	6.4	7.4	30	389	567	370	827	192	17	427	114	49
21	5.8	7.1	27	525	516	310	594	178	22	285	81	46
22	5.8	7.4	25	575	501	262	357	157	21	229	62	53
23	5.6	7.6	24	600	738	297	249	134	48	230	50	63
24	4.2	7.6	49	720	1110	303	200	135	46	200	52	90
25	6.0	9.1	85	851	4000	296	194	127	34	227	125	115
26	6.8	9.4	81	993	13800	284	278	116	31	233	127	96
27	6.0	9.7	112	1150	10500	275	318	101	50	237	96	145
28	7.9	15	124	1220	7700	267	342	86	116	219	446	217
29	8.2	15	125	1150	---	260	358	71	120	202	536	227
30	7.9	46	125	1060	---	244	378	59	82	196	486	237
31	6.8	---	120	997	---	226	---	52	---	127	365	---
TOTAL	196.4	270.7	2053	17977	74042	29714	12168	12196	1230	4319	5313	3567
MEAN	6.34	9.02	66.2	580	2644	959	406	393	41.0	139	171	119
MAX	9.7	46	125	1220	13800	5600	909	1230	120	427	536	272
MTN	4.2	5.4	24	122	501	226	168	52	16	17	40	46
CFSM	.01	.02	.13	1.16	5.28	1.91	.81	.78	.08	.28	.34	.24
IN.	.01	.02	.15	1.33	5.50	2.21	.90	.91	.09	.32	.39	.26
CAL YR 1978	TOTAL	130170.1	MEAN	357	MAX	3430	MIN	4.2	CFSM	.71	IN	9.67
WTR YR 1979	TOTAL	163046.1	MEAN	447	MAX	13800	MIN	4.2	CFSM	.89	IN	12.11

SUWANNEE RIVER BASIN

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 (2.4 km) upstream from Bay Branch, and 7 mi (11 km) 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, Air Temperature, Water Temperature, pH, and Dissolved Oxygen by U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	PH (UNITS)	TEMPER- ATURE, AIR (DEG C)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
OCT 04...	1500	8.0	7.2	31.0	22.0	7.4
NOV 16...	0730	8.0	7.1	17.0	17.0	8.0
DEC 05...	0800	64	6.4	10.0	16.5	7.2
JAN 09...	1320	497	5.9	7.0	6.5	9.7
FEB 06...	1515	906	5.6	8.0	4.0	11.0
MAR 06...	1410	1380	5.4	20.0	16.0	--
APR 03...	0950	179	6.4	24.0	19.0	6.8
MAY 08...	0745	518	5.9	22.0	20.5	7.2
JUN 05...	1100	56	6.2	28.5	26.0	--
JUL 12...	1330	86	6.6	25.0	25.5	6.2
AUG 15...	1345	126	6.2	31.0	25.0	5.6
SEP 06...	1250	150	6.2	30.5	25.0	5.8

DATE	SPF- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LINITY (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 04...	138	60	5	.9	40	30	.30	<.02	1.1	8.0
NOV 16...	161	80	5	.8	230	35	.19	<.02	.91	6.0
DEC 05...	155	100	4	.9	2300	22	.68	.02	.81	15
JAN 09...	80	100	5	1.5	2300	5	.12	<.02	.20	17
FEB 06...	59	80	4	1.0	230	4	.13	<.02	.14	14
MAR 06...	43	150	5	1.1	40	3	.03	<.02	.11	21
APR 03...	77	110	6	--	--	9	.24	.02	.31	16
MAY 08...	46	160	14	1.4	9300	6	.17	<.02	.31	17
JUN 05...	120	100	5	.6	<35	15	.46	<.02	.80	8.3
JUL 12...	141	80	10	--	230	19	.53	<.02	1.2	9.0
AUG 15...	70	140	7	.8	90	6	.20	.04	.31	21
SEP 06...	65	180	5	--	--	7	.32	.02	.22	23

SUWANNEE RIVER BASIN

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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 (1.3 km) upstream from Little River, and 4 mi (6 km) northwest 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, Air Temperature, Water Temperature, pH, and Dissolved Oxygen by U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	PH (UNITS)	TEMPER- ATURE, AIR (DEG C)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)				
OCT										
04...	1415	9.2	7.4	32.0	23.0	2.3				
NOV										
15...	1515	22	7.2	27.0	20.0	3.0				
DEC										
05...	0845	41	6.8	10.0	17.0	5.2				
JAN										
09...	1200	416	6.4	5.0	6.5	10.0				
FEB										
06...	1420	1000	6.4	2.0	4.5	11.4				
MAR										
13...	0900	698	5.9	17.0	14.5	7.7				
APR										
03...	0900	122	6.5	23.5	19.5	7.0				
MAY										
08...	0715	550	6.2	22.0	21.0	6.8				
JUN										
05...	1150	26	6.6	28.5	26.0	1.8				
JUL										
12...	1240	84	6.5	27.0	25.0	4.0				
AUG										
15...	1300	99	6.3	31.5	25.0	5.3				
SEP										
06...	1205	88	6.3	31.0	26.0	5.6				

DATE	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LINITY (MG/L AS CAC03)	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										
04...	421	50	8	9.0	2300	110	<.02	12	5.0	22
NOV										
15...	403	50	8	9.2	930	103	.02	12	4.4	15
DEC										
05...	163	160	60	7.6	3900	37	.16	3.0	1.6	9.0
JAN										
09...	81	130	20	1.8	930	8	.16	.14	.37	20
FEB										
06...	63	120	35	3.2	4300	7	.16	.18	.30	18
MAR										
13...	53	120	5	2.0	230	5	.08	.15	.21	17
APR										
03...	85	100	7	--	--	12	.20	.38	.44	17
MAY										
08...	51	160	19	3.2	15000	8	.10	.16	.56	17
JUN										
05...	165	70	7	6.8	23000	50	.07	4.1	2.1	9.3
JUL										
12...	115	100	32	7.0	93000	20	.08	.75	.82	15
AUG										
15...	86	80	11	2.2	430	11	.27	.53	.60	13
SEP										
06...	82	200	8	--	--	11	.20	.56	.58	22

SUWANNEE RIVER BASIN

02317800 LITTLE RIVER NEAR TIFTON, GA.

LOCATION.--Lat 31°26'21", long 83°33'38", Tift County, Hydrologic Unit 03110204, at bridge on U.S. Highway 82, 3 mi (4.8 km) west of Tifton.

DRAINAGE AREA.--145 mi² (376 km²), approximately.

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, Air Temperature, Water Temperature, pH, and Dissolved Oxygen by U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	PH (UNITS)	TEMPER- ATURE, AIR (DEG C)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)				
JUL 09...	1145	8.5	6.3	29.5	22.5	4.9				
AUG 13...	1000	2.5	6.4	26.5	23.5	2.7				
SEP 04...	1030	1.5	6.8	25.0	24.0	1.0				

DATE	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LINEITY (MG/L AS CAC03)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
JUL 09...	60	100	20	1.3	430	10	.14	.05	.04	11
AUG 13...	77	100	20	1.5	230	17	.10	.11	.03	12
SEP 04...	93	90	10	1.7	40	26	<.02	.08	.04	11

SUWANNEE RIVER BASIN

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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 (6.4 km) upstream from Piscola Creek, 6 mi (9.6 km) east of Quitman, and 9 mi (14.5 km) downstream from Little River.

DRAINAGE AREA.--1,480mi² (3,830 km²).

PERIOD OF RECORD.--July 1977 to current year.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	PH (UNITS)	TEMPER- ATURE, AIR (DEG C)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
OCT						
04...	1345	14	7.0	32.0	23.5	4.7
NOV						
15...	1300	19	7.2	28.0	16.0	10.3
DEC						
05...	1100	64	6.2	11.0	16.0	4.8
JAN						
09...	1040	919	6.2	1.5	6.0	10.4
FEB						
06...	1310	2530	6.0	7.0	4.0	11.9
MAR						
13...	0930	5860	6.1	18.5	15.0	7.6
APR						
03...	0825	541	6.4	20.5	19.5	6.5
MAY						
08...	0630	1420	6.2	21.0	21.0	6.0
JUN						
05...	1300	335	6.4	32.0	28.0	4.7
JUL						
12...	1100	604	6.2	28.0	25.0	4.8
AUG						
15...	1130	302	6.1	31.0	26.0	5.5
SEP						
06...	1100	170	6.1	30.0	26.5	5.0

DATE	SPF- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LINITY (MG/L AS CAC03)	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										
04...	177	40	5	1.7	40	30	2.0	1.3	1.4	8.0
NOV										
15...	227	40	8	14	90	45	1.5	2.8	2.0	26
DEC										
05...	92	100	21	2.4	1400	18	.38	.79	.79	9.0
JAN										
09...	74	100	11	2.1	390	6	.17	.06	.23	15
FEB										
06...	58	80	7	1.2	90	5	.21	.05	.12	13
MAR										
13...	51	100	8	1.0	230	5	.30	.10	.10	13
APR										
03...	70	100	10	--	--	11	.18	.12	.22	13
MAY										
08...	40	140	41	3.0	150000	8	.13	.10	.30	16
JUN										
05...	74	80	8	1.8	230	10	.34	.15	.26	6.5
JUL										
12...	62	180	21	1.2	93000	7	.30	.24	.36	12
AUG										
15...	54	100	13	1.0	230	5	.18	.19	.25	11
SEP										
06...	73	150	6	--	--	9	.60	.22	.31	19

SUWANNEE RIVER BASIN

02318725 OKAPILCO CREEK NEAR 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 (2.9 km) east of Quitman.

DRAINAGE AREA.--278 mi² (720 km²), 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, Air Temperature, Water Temperature, pH, and Dissolved Oxygen by U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	PH (UNITS)	TEMPER- ATURE, AIR (DEG C)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
OCT 04...	1300	.40	7.6	30.0	25.0	5.4
NOV 15...	1400	1.6	7.7	28.0	18.0	5.9
DEC 05...	1145	2.0	7.3	11.0	17.5	6.6
JAN 09...	1110	227	6.3	3.0	6.0	9.9
FEB 06...	1340	490	6.2	6.0	4.5	11.8
MAR 13...	1000	294	6.0	19.0	15.5	7.1
APR 03...	0745	79	6.4	20.5	18.5	6.3
MAY 08...	0600	236	6.1	20.5	21.0	5.3
JUN 05...	1320	46	6.0	29.5	25.0	4.3
JUL 12...	1130	222	6.0	28.0	24.5	5.0
AUG 15...	1200	42	6.1	32.5	25.0	4.4
SEP 06...	1130	82	6.3	31.5	25.5	5.0

DATE	SPF- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LINITY (MG/L AS CAC03)	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 04...	464	50	17	12	160	178	.10	8.2	6.2	21
NOV 15...	474	40	7	7.6	230	174	.28	6.5	6.0	9.0
DEC 05...	330	40	5	7.6	150	104	1.8	9.3	3.6	10
JAN 09...	94	100	10	2.6	7500	6	.52	.11	.22	14
FEB 06...	75	80	12	1.4	1500	6	.88	.36	.22	11
MAR 13...	55	100	11	2.0	230	5	.24	.06	.13	12
APR 03...	92	90	8	--	--	8	.54	.22	.22	13
MAY 08...	70	120	21	--	43000	7	.95	1.0	.49	14
JUN 05...	90	100	10	1.6	930	8	.51	.07	.27	10
JUL 12...	62	200	40	2.6	23000	7	.65	.40	.34	10
AUG 15...	79	120	16	1.6	4300	11	.27	.19	.27	13
SEP 06...	--	180	22	--	--	10	.34	.18	.31	12

02318960 WITHLACOCHEE 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 (6.9 km) south of Clyattville.

DRAINAGE AREA.--2,030 mi² (5,260 km²), 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, Air Temperature, Water Temperature, pH, and Dissolved Oxygen by U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	PH (UNITS)	TEMPER- ATURE, AIR (DEG C)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
OCT						
04...	1200	137	7.8	27.5	21.0	5.5
NOV						
15...	1215	110	7.8	25.0	18.5	7.5
DEC						
05...	1015	143	7.4	10.0	17.0	5.5
JAN						
09...	1000	1540	6.4	.0	7.0	9.9
FEB						
06...	1225	3520	6.4	8.0	4.5	11.7
MAR						
06...	1310	15500	5.2	18.5	15.5	--
APR						
03...	1100	904	7.1	24.0	20.0	6.2
MAY						
08...	0900	1680	6.7	24.0	21.5	5.8
JUN						
05...	1150	462	7.3	32.0	27.0	4.3
JUL						
12...	1020	612	7.1	26.0	25.0	4.9
AUG						
15...	1100	580	7.0	29.0	26.0	4.6
SEP						
06...	1030	342	6.9	30.0	25.0	4.9

DATE	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	OXYGEN DEMAND, CHEM- ICAL (LOW LEVEL) (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)
OCT						
04...	218	30	5	--	.4	<30
NOV						
15...	240	20	8	--	.6	90
DEC						
05...	226	30	3	--	.6	<30
JAN						
09...	81	120	15	--	2.6	43000
FEB						
06...	60	60	6	--	.8	<30
MAR						
06...	38	150	16	--	1.4	70
APR						
03...	100	80	7	--	--	--
MAY						
08...	62	120	10	--	1.0	430
JUN						
05...	130	80	5	--	1.4	<30
JUL						
12...	108	120	10	26	.8	90
AUG						
15...	99	90	10	35	1.0	<30
SEP						
06...	108	160	5	33	--	--

SUWANNEE RIVER BASIN

02318960 WITHLACOCHEE RIVER NEAR CLYATTVILLE, GA.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	ALKA- LITY (MG/L AS CAC03)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDE (MG/L)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT							
04...	102	<1	.25	<.02	--	.14	1.0
NOV							
15...	107	3	.34	.02	--	.16	1.0
DEC							
05...	83	<1	.55	1.3	--	.84	4.0
JAN							
09...	9	15	.32	.11	--	.30	15
FEB							
06...	5	3	.26	.04	--	.10	11
MAR							
06...	4	5	.02	<.02	--	.06	14
APR							
03...	31	<1	.28	.04	--	.15	9.0
MAY							
08...	15	15	.21	.04	--	.19	13
JUN							
05...	40	3	.52	.03	--	.19	6.3
JUL							
12...	32	5	.51	<.02	.50	.20	8.5
AUG							
15...	26	5	.44	.09	.61	.26	9.0
SEP							
06...	43	<1	.36	.04	.66	.18	12

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 (1.6 km) from U.S. Highway 314, and 3.0 mi (4.8 km) south of Moultrie.

DRAINAGE AREA.--103 mi² (267 km²).

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, Air Temperature, Water Temperature, pH, and Dissolved Oxygen by U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	PH (UNITS)	TEMPER- ATURE, AIR (DEG C)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)					
JUL 10...	1400	36	6.6	30.0	25.0	3.6					
AUG 14...	0815	3.3	7.1	23.5	24.5	.5					
SEP 04...	1215	16	6.8	26.0	24.5	2.0					

DATE	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- IDITY (JTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LINE- ITY (MG/L CAC03)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDE (MG/L)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
JUL 10...	160	90	11	3.5	930	24	8	.54	1.5	.54	9.0
AUG 14...	350	40	7	3.8	230	99	<1	.04	11	2.3	9.0
SEP 04...	170	90	7	2.3	4300	29	<1	.30	1.3	.77	10

OCHLOCKONEE RIVER BASIN

02327500 OCHLOCKONEE RIVER NEAR THOMASVILLE, GA.

LOCATION.--Lat 30°52'32", long 84°02'44", Thomas County, Hydrologic Unit 03120002, at bridge on U.S. Highway 84, 2 mi (3.2 km) upstream from Seaboard Coast Line Railroad bridge, 4 mi (6.4 km) upstream from Barnetts Creek, 5 mi (8.0 km) northwest of Thomasville, and 6 mi (9.6 km) downstream from Little Ochlockonee River.

DRAINAGE AREA.--550 mi² (1,420 km²), 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, Air Temperature, Water Temperature, pH, and Dissolved Oxygen by U.S. Geological Survey. Records of discharge for the water years 1937-1971 are published in reports of the Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	PH (UNITS)	TEMPER- ATURE, AIR (DEG C)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
OCT 05...	0600	14	7.2	18.0	17.0	3.1
NOV 16...	0915	16	7.1	20.0	17.0	4.5
DEC 05...	1300	110	7.1	12.0	16.0	6.1
JAN 08...	0800	690	7.2	9.5	8.0	9.4
FEB 05...	0800	904	6.1	6.0	5.0	10.4
MAR 13...	1100	770	6.5	20.0	16.5	7.5
APR 02...	1700	204	6.6	20.0	20.0	6.5
MAY 07...	1340	506	6.6	21.0	22.0	7.0
JUN 05...	1420	314	6.5	33.0	25.0	4.7
JUL 10...	1255	396	6.8	30.0	25.0	5.2
AUG 14...	0920	83	6.5	32.0	25.0	4.0
SEP 05...	1420	99	6.6	32.0	25.5	4.4

DATE	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	OXYGEN DEMAND, RIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LINITY (MG/L AS CAC03)	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 05...	374	50	7	1.8	40	78	3.1	3.1	2.3	5.0
NOV 16...	332	60	10	3.2	150	63	3.2	.45	1.9	6.0
DEC 05...	318	80	12	4.8	430	51	1.2	2.4	1.2	12
JAN 08...	88	150	25	3.2	4300	20	.36	.14	.30	13
FEB 05...	64	50	7	1.2	1200	8	.40	.10	.14	7.0
MAR 13...	65	80	10	1.2	430	9	.30	.06	.16	13
APR 02...	95	80	8	.4	90	17	.44	.24	.34	9.0
MAY 07...	69	100	10	1.9	9300	15	.35	.12	.28	--
JUN 05...	85	100	12	1.1	2300	16	.41	.13	.34	7.5
JUL 10...	98	140	28	3.1	23000	21	.42	.34	.32	9.0
AUG 14...	98	90	15	.9	90	22	.80	.24	.47	7.0
SEP 05...	170	--	16	2.3	3900	29	1.3	.20	.64	8.0

02328200 OCHLOCKNEE 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 (2.4 km) downstream from Tired Creek, and 6.5 mi (10.5 km) east of Calvary.

DRAINAGE AREA.--930 mi² (2,410 km²), 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, Air Temperature, Water Temperature, pH, and Dissolved Oxygen by U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	PH (UNITS)	TEMPER- ATURE, AIR (DEG C)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
OCT						
05...	0830	36	7.1	21.0	18.5	8.1
NOV						
16...	1045	30	7.3	22.0	16.5	8.9
DEC						
05...	1345	268	6.5	12.0	16.0	8.0
JAN						
08...	0850	1060	6.9	8.0	8.5	9.7
FEB						
05...	0840	1740	6.4	7.0	5.0	10.7
MAR						
13...	1240	1220	6.5	20.5	16.5	7.5
APR						
02...	1630	436	6.6	25.5	19.5	6.9
MAY						
07...	1230	730	6.7	22.0	21.5	7.7
JUN						
05...	1500	863	6.3	31.0	25.0	4.7
JUL						
10...	1215	167	6.8	31.0	25.5	6.2
AUG						
14...	1000	222	6.6	29.0	25.0	5.1
SEP						
05...	1350	242	6.8	30.0	26.0	5.7

DATE	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	OXYGEN DEMAND, CHEM- ICAL (LOW LEVEL) (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)
OCT						
05...	288	70	10	18	1.2	<30
NOV						
16...	300	80	10	18	.9	90
DEC						
05...	274	100	14	31	1.5	430
JAN						
08...	158	120	34	21	4.0	16000
FEB						
05...	101	60	8	25	1.0	430
MAR						
13...	72	100	11	28	1.4	930
APR						
02...	121	60	10	24	.2	40
MAY						
07...	120	120	19	30	2.1	7500
JUN						
05...	78	100	11	30	1.6	150
JUL						
10...	145	100	11	--	1.0	40
AUG						
14...	102	80	18	--	1.1	<30
SEP						
05...	131	120	20	--	1.7	40

OCHLOCKONEE RIVER BASIN

02328200 OCHLOCKONEE RIVER NEAR CALVARY, GA.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	ALKALINITY (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)	NITRO- GEN+AM- MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 05...	41	7	2.2	.04	.27	.59	6.0
NOV 16...	41	3	3.0	<.02	.80	.95	6.0
DEC 05...	20	5	.77	.08	1.2	.40	12
JAN 08...	11	28	.74	.61	.90	.60	14
FFH 05...	7	6	.40	.08	.40	.16	8.0
MAW 13...	10	4	.30	.10	.60	.16	10
APR 02...	15	<1	.60	.10	.72	.28	7.0
MAY 07...	10	35	.60	.15	.87	.34	13
JUN 05...	12	10	.40	.11	1.1	.24	7.5
JUL 10...	22	9	1.0	.07	--	.36	7.3
AUG 14...	20	10	1.0	.29	--	.41	6.0
SFP 05...	20	4	.98	.10	--	.36	6.5

02330453 CHATTAHOOCHEE RIVER AT NACOOCHEE, GA.

LOCATION.--Lat 34°41'13", long 83°42'37", White County, Hydrologic Unit 03130001, at highway bridge on State Highways 17 and 75 at Nacoochee, and 1.0 mi (1.6 km) upstream from Dukes Creek.

DRAINAGE AREA.--49.0 mi² (127 km²).

PERIOD OF RECORD.--July 1977 to June 1979 (discontinued).

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

WATER QUALITY DATA. WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	PH (UNITS)	TEMPER- ATURE, AIR (DEG C)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
NOV 21...	1415	35	6.7	18.0	12.0	10.4
JAN 10...	1215	200	6.5	9.0	4.0	11.6
MAR 05...	1155	--	6.4	16.5	11.0	10.4
MAY 01...	1430	255	6.6	27.0	16.0	8.8

DATE	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	TUR- BID- ITY (JTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LINEITY AS CAC03	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
NOV 21...	18	7	.6	90	7	.04	<.02	.02	2.0
JAN 10...	13	2	1.5	40	5	.04	<.02	.03	<1.0
MAR 05...	9	7	.9	40	3	.03	<.02	<.02	.9
MAY 01...	10	5	.3	140	5	<.02	<.02	<.02	<5.0

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 (1.6 km) downstream from Soquee River, 6 mi (9.7 km) northwest of Cornelia, and at mile 401.4 (645.9 km).
DRAINAGE AREA.--315 mi² (816 km²).

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 (343.976 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers).

REMARKS.--Records good. Some regulation at low flow from Habersham Mill powerplant.

AVERAGE DISCHARGE.--22 years, 874 ft³/s (27.8 m³/s), 37.68 in/yr (957 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 26,400 ft³/s (478 m³/s) Mar. 12, 1963, gage height, 20.55 ft (6.264 m), from rating curve extended above 13,000 ft³/s (368 m³/s) on basis of contracted-opening measurement of peak flow;
minimum daily, 91 ft³/s (2.58 m³/s) Sept. 7, 1957.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 6,200 ft³/s (176 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)	Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
Jan. 20	2300	11000 312	9.78 2.981	Mar. 23	2100	8820 250	8.35 2.545
Feb. 24	1300	8090 229	7.85 2.393	Apr. 3	1500	7500 212	7.43 2.265
Mar. 4	1500	14700 416	12.28 3.743	Apr. 13	1500	*17600 498	14.19 4.325

Minimum daily discharge, 198 ft³/s (5.61 m³/s) Oct. 29.DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	277	306	449	939	807	1300	1120	1330	1320	658	597	1000
2	414	285	368	1900	786	1190	1140	1280	1100	625	579	733
3	411	309	236	1110	768	1160	3990	1270	1480	612	563	749
4	372	310	1190	858	771	10200	3600	1280	1240	598	427	940
5	353	201	1460	740	763	5160	2320	1260	1060	590	480	687
6	332	271	785	665	737	2550	1850	1210	992	560	535	611
7	311	278	627	1690	885	2030	1660	1190	968	691	511	580
8	203	303	597	2790	798	1790	1590	1170	1000	699	458	448
9	335	296	869	1290	798	1620	2700	1180	976	854	473	497
10	317	316	917	1000	729	1500	1820	1340	912	991	507	524
11	320	328	707	888	741	1460	1630	1390	888	793	385	515
12	339	202	615	843	760	1380	1740	1510	864	954	457	466
13	331	261	565	921	755	1310	12900	1550	848	839	496	551
14	336	276	536	871	746	1320	4620	1410	824	701	478	685
15	199	316	489	794	732	1250	2890	1220	808	662	429	458
16	315	299	432	734	760	1190	2450	1120	784	640	439	493
17	297	317	327	709	725	1150	2160	1080	776	597	449	534
18	288	601	520	688	690	1140	1920	1040	768	585	295	537
19	293	274	470	668	655	1130	1790	1000	760	587	302	505
20	289	388	447	3320	920	1100	1700	1000	750	624	436	508
21	312	370	476	4800	1080	1100	1620	1400	740	793	430	1040
22	200	324	443	1770	1220	1120	1560	1180	732	769	400	1700
23	331	242	251	1350	2070	3100	1510	1150	720	753	638	932
24	322	285	330	1580	4760	3610	1460	1500	710	785	636	791
25	325	306	535	1260	3960	1770	1440	1300	697	1020	598	711
26	341	284	453	1100	2350	1470	1660	1120	676	1050	981	679
27	337	517	488	1020	1650	1330	1700	1060	669	844	1010	902
28	237	562	484	973	1410	1250	1520	1070	661	755	747	1530
29	198	501	454	925	---	1200	1420	1060	665	698	852	1280
30	323	529	388	878	---	1160	1370	1020	747	661	711	1190
31	321	---	1010	856	---	1130	---	1100	---	618	631	---
TOTAL	9579	10057	17918	39930	33826	59170	70850	37790	26135	22606	16930	22776
MEAN	309	335	578	1298	1208	1909	2362	1219	871	729	546	759
MAX	414	601	1460	4800	4760	10200	12900	1550	1480	1050	1010	1700
MIN	198	201	236	665	655	1100	1120	1000	661	560	295	448
CFSM	.98	1.06	1.84	4.09	3.84	6.06	7.50	3.87	2.77	2.31	1.73	2.41
IN.	1.13	1.19	2.12	4.72	3.99	6.99	8.37	4.46	3.09	2.67	2.00	2.69

CAL YR 1978	TOTAL	272686	MEAN	747	MAX	6980	MIN	162	CFSM	2.37	IN	32.20
WTR YR 1979	TOTAL	367567	MEAN	1007	MAX	12900	MIN	198	CFSM	3.20	IN	43.41

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, Air Temperature, Water Temperature, pH, and Dissolved Oxygen by U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	PH (UNITS)	TEMPER- ATURE, AIR (DEG C)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
NOV 21...	1515	352	7.2	16.0	12.0	11.0
JAN 10...	1320	992	6.7	8.0	4.5	12.6
MAR 05...	1245	4280	6.5	18.0	11.5	10.4
MAY 01...	1500	1320	7.0	26.0	16.5	10.0
JUL 10...	0700	1020	6.8	17.0	16.5	8.3
SEP 06...	1400	613	6.9	26.0	22.0	9.5

DATE	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	TUR- BID- ITY (JTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LINITY (MG/L AS CACO3)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
NOV 21...	27	10	.8	2300	10	.13	<.02	.03	2.0
JAN 10...	22	10	1.1	930	6	.26	<.02	.05	<1.0
MAR 05...	15	37	.6	2500	4	.18	<.02	.04	4.6
MAY 01...	15	6	.5	150	7	.11	<.02	<.02	<5.0
JUL 10...	20	13	.9	4300	7	.17	<.02	.06	1.0
SEP 06...	25	11	.6	430	8	.14	.02	.02	<1.0

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	TEMPER- ATURE (DEG C)	TUR- BID- ITY (NTU)	SEDI- MENT, SUS- PENDE (MG/L)	SEDI- MENT DIS- CHARGE, SUS- PENDE (T/DAY)
MAR 05...	1830	3460	--	30	161	1500
MAY 15...	1755	1220	--	7.0	17	56
SEP 18...	1605	557	19.0	--	10	15

APALACHICOLA RIVER BASIN

02333500 CHESTATEE RIVER NEAR DAHLONEGA, GA.

LOCATION.--Lat 34°31'41", long 83°56'23", Lumpkin County, Hydrologic Unit 03130001, on left bank 250 ft (76 m) upstream from Bearden Bridge on State Highway 52, 2 mi (3.2 km) downstream from Ballplay Creek, 2.5 mi (4.0 km) east of Dahlonega, and 3.5 mi (5.6 km) upstream from Yahoola Creek.

DRAINAGE AREA.--153 mi² (396 km²).

PERIOD OF RECORD.--June 1929 to January 1932, April 1940 to current year. Monthly discharge only for some periods, published in WSP 1304.

GAGE.--Water-stage recorder. Datum of gage is 1,128.6 ft (343.997 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers).

REMARKS.--Records good.

AVERAGE DISCHARGE.--41 years (1929-31, 1940-79), 373 ft³/s (10.6 m³/s), 33.11 in/yr (841 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 22,700 ft³/s (643 m³/s) Aug. 23, 1967, gage height, 25.17 ft (7.672 m); minimum daily, 49 ft³/s (1.39 m³/s) Oct. 4, 1931, Oct. 26, 1941.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Aug. 12, 1907 reached a stage of about 25 ft (7.6 m), from information by local resident. Flow increased by failure of dam above station.

EXTREMES FOR CURRENT YEAR.--Peak discharge above base of 2,600 ft³/s (73.6 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)	Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
Jan. 8	0245	2760 83.8	6.96 2.121	Mar. 4	1400	7510 213	12.66 3.859
Jan. 20	2245	4830 137	9.51 2.899	Apr. 3	1345	4680 133	9.32 2.841
Feb. 24	1315	3230 91.5	7.37 2.246	Apr. 13	1615	*8440 239	13.69 4.173

Minimum discharge, 112 ft³/s (3.17 m³/s) Oct. 21-23.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	168	121	166	468	349	632	424	600	1120	276	270	414
2	136	119	152	975	340	564	492	576	624	256	255	316
3	128	119	167	576	337	544	2980	608	640	245	246	391
4	126	118	588	391	334	5270	1950	596	556	240	237	378
5	122	118	596	335	319	2500	1330	568	488	244	228	296
6	118	118	305	308	322	1440	960	536	456	249	220	262
7	117	121	234	830	370	1150	798	520	440	261	212	240
8	116	128	221	1820	346	975	728	508	428	286	208	224
9	118	123	548	744	349	840	1540	524	401	358	202	215
10	118	123	464	528	322	744	955	616	385	394	200	205
11	118	124	305	421	319	708	786	568	371	337	251	199
12	116	120	254	385	319	640	905	532	356	391	256	193
13	118	120	224	408	328	600	6090	532	345	350	208	240
14	124	119	206	382	322	616	2290	512	334	302	201	305
15	115	127	196	340	319	564	1460	460	327	275	195	229
16	115	125	196	319	325	528	1200	440	324	251	189	209
17	114	138	211	307	307	504	1060	424	322	238	183	199
18	115	286	188	298	337	492	970	405	314	232	181	221
19	115	147	183	286	322	472	900	396	304	242	178	212
20	114	130	180	1700	340	460	840	399	297	287	171	197
21	112	125	192	2370	500	448	778	552	303	516	167	448
22	112	128	180	1060	600	436	732	500	309	488	166	656
23	112	153	171	728	975	1080	700	544	285	468	204	357
24	122	153	178	870	2200	1060	684	985	280	468	215	301
25	118	132	235	640	1860	704	696	680	285	782	277	271
26	128	127	197	540	1280	588	945	556	282	628	411	256
27	130	184	185	488	895	536	830	496	265	448	435	361
28	121	216	177	448	704	492	696	488	262	375	411	696
29	119	175	172	404	---	468	648	552	256	342	496	556
30	118	208	212	385	---	456	628	548	357	306	342	544
31	124	---	632	373	---	440	---	656	---	287	273	---
TOTAL	3747	4245	8115	20127	15640	26951	35995	16877	11716	10822	7688	9591
MEAN	121	142	262	649	559	869	1200	544	391	349	248	320
MAX	168	286	632	2370	2200	5270	6090	985	1120	782	496	696
MIN	112	118	152	286	307	436	424	396	256	232	166	193
CFSM	.79	.93	1.71	4.24	3.65	5.68	7.84	3.56	2.56	2.28	1.62	2.09
IN.	.91	1.03	1.97	4.89	3.80	6.55	8.75	4.10	2.85	2.63	1.87	2.33
CAL YR 1978	TOTAL	119637	MEAN 328	MAX 3240	MIN 112	CFSM 2.14	IN 29.09					
WTR YR 1979	TOTAL	171514	MEAN 470	MAX 6090	MIN 112	CFSM 3.07	IN 41.70					

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 (366 m) downstream from Buford Dam, 2.4 mi (3.9 km) upstream from bridge on State Highway 20, 4 mi (6.4 km) northwest of Buford, and at mile 348.1 (560.0 km).

DRAINAGE AREA.--1,040 mi² (2,690 km²), approximately.

PERIOD OF RECORD.--June 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. Monthly discharge only for some periods, published in WSP 1304.

REVISED RECORDS.--See period of record.

GAGE.--Water-stage recorder. Datum of gage is 912.04 ft (277.990 m) National Geodetic Vertical Datum of 1929 (levels by 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 (4.0 km) downstream, and Jan. 1, 1948, to Sept. 30, 1971, water-stage recorder at site 2.4 mi (3.9 km) downstream, all at different datum.

REMARKS.--Records good. Flow regulated by Lake Sidney Lanier beginning January 1956 (See "Lakes and Reservoirs in Apalachicola River basin", station 02334400.)

AVERAGE DISCHARGE.--38 years, 2,178 ft³/s (61.7 m³/s), 28.44 in/yr (722 mm/yr), adjusted for storage since 1956.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 55,000 ft³/s (1,560 m³/s) Jan. 8, 1946, gage height, 32.6 ft (9.94 m), from floodmark, from rating curve extended above 13,000 ft³/s (368 m³/s) on basis of peak flows passing upstream and downstream stations; minimum daily, 262 ft³/s (7.42 m³/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, 11,000 ft³/s (312 m³/s) Nov. 2, gage height, 7.41 ft (2.259 m); minimum daily, 594 ft³/s (16.8 m³/s) Apr. 8.

REVISIONS.--The maximum gage heights for some water years have been revised, as shown in the following table. They supersede figures published in the reports for water years 1972-78.

Date	Gage height (ft) (m)	Date	Gage height (ft) (m)
Oct. 22, 1971	7.88 2.402	June 29, 1976	7.30 2.225
Oct. 10, 1972	7.76 2.365	July 21, 1977	7.13 2.173
Oct. 25, 1973	7.05 2.149	Feb. 8, 1978	7.02 2.140
Sept. 4, 1975	7.30 2.225		

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1190	4530	1100	977	1250	1330	598	6790	2200	945	1860	628
2	3170	5960	660	1330	1250	1210	2880	6750	617	1950	1870	949
3	3150	7160	1000	1320	620	607	2700	6760	947	2650	1870	632
4	3170	667	1400	1310	959	643	2200	6810	4330	1960	612	2220
5	3150	984	1350	1320	1240	1010	6040	6820	4320	1930	930	2620
6	3160	3550	1350	636	1250	735	6030	6800	4320	1940	1500	2210
7	660	3530	1300	975	1250	608	3850	6850	4340	618	3260	2200
8	918	3600	1300	1230	1270	677	594	6850	4340	941	3290	808
9	3630	3560	656	1310	1250	601	6730	6870	616	2210	3240	945
10	3630	3540	910	1240	622	609	6700	6870	926	2210	4440	2250
11	3300	660	1260	1230	951	606	6680	6900	4180	2200	605	2600
12	3300	913	1250	1230	1250	1720	3620	620	4230	2200	924	2600
13	3300	2320	1260	632	1270	2020	1000	632	4200	2180	1150	1610
14	660	2470	1260	969	1240	1250	748	4050	4290	614	1190	2590
15	913	2400	1260	1240	1250	1240	734	3280	4230	939	2770	626
16	3640	2500	652	1220	1260	1240	6260	3340	616	3290	1870	930
17	3620	2560	989	1240	613	599	6940	3340	940	2440	1850	2240
18	3620	660	1240	1230	938	919	6680	3460	2360	2190	614	2230
19	3480	913	1250	1230	1180	1170	8780	1340	2380	2210	1590	2410
20	3620	2140	1250	651	1100	1180	8230	629	2370	2210	2540	1530
21	660	2140	1270	986	1100	1170	6610	3780	2370	613	2320	1560
22	913	2140	1250	1270	1090	1170	6710	3750	2370	939	2320	626
23	3740	2140	641	1250	1110	1190	6670	3760	621	1480	2320	955
24	3740	2140	992	1490	688	606	6680	3770	943	1480	2350	946
25	4150	660	989	1260	660	603	6690	3760	1270	1480	943	1600
26	6550	913	1320	1270	1650	2990	6770	627	1260	1480	633	1600
27	6400	1600	1320	623	979	2980	6690	949	1270	1490	3330	1600
28	651	925	1310	958	765	2970	6710	2220	1260	611	3310	2670
29	991	1000	1320	1250	---	2960	6830	2210	1270	938	3300	622
30	5870	1920	638	1240	---	2960	6740	2210	626	1850	3320	935
31	5880	---	986	1250	---	597	---	2270	---	1870	3310	---
TOTAL	94826	70195	34733	35367	30055	40170	155094	125067	70012	52058	65431	47942
MEAN	3059	2340	1120	1141	1073	1296	5170	4034	2334	1679	2111	1598
MAX	6550	7160	1400	1490	1650	2990	8780	6900	4340	3290	4440	2670
MIN	651	660	638	623	613	597	594	620	616	611	605	622
MEAN+	2797	791	1486	3307	3342	4324	6780	2964	1993	1964	1303	1759
CFSM+	2.69	0.76	1.43	3.18	3.21	4.16	6.52	2.85	1.92	1.89	1.25	1.69
IN+	3.10	0.85	1.65	3.67	3.34	4.80	7.27	3.29	2.14	2.18	1.44	1.89
CAL YR 1978 TOTAL	890662			2440	8190	600	1874	1.80	24.43			
WTR YR 1979 TOTAL	820950			2249	8780	594	2527	2.43	32.99			

† ADJUSTED FOR CHANGE IN CONTENTS IN LAKE SIDNEY LANIER.

APALACHICOLA RIVER BASIN

02335000 CHATTAHOOCHEE RIVER NEAR NORCROSS, GA.

LOCATION.--Lat 33°59'50", long 84°12'07", Gwinnett-Fulton County line, hydrologic Unit 03130001, on downstream side of right bank pier of bridge on State Highway 141, 1.5 mi (2.4 km) upstream from John Creek, 4.5 mi (7.2 km) north of Norcross, 6.5 mi (10.5 km) downstream from Suwanee Creek, 18 mi (29 km) downstream from Buford Dam, and at mile 330.8 (532.3 km).

DRAINAGE AREA.--1,170 mi² (3,030 km²), approximately.

PERIOD OF RECORD.--October 1902 to September 1946, October 1956 to current year. Monthly discharge only for some periods, 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 (267.657 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to July 13, 1955, nonrecording gage at site 500 ft (152 m) downstream at same datum. July 14, 1955, to Mar. 11, 1957, nonrecording gage at present site and datum.

REMARKS.--Records good. Flow regulated by Lake Sidney Lanier since January 1956. (See "Lakes and Reservoirs in Apalachicola River Basin," station 02334400.) Diversion and return flow above station regulated by Gwinnett County.

AVERAGE DISCHARGE.--67 years, 2,324 ft³/s (65.8 m³/s), 26.97 in/yr (685 mm/yr), unadjusted.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 55,000 ft³/s (1,560 m³/s) Jan. 8, 1946, gage height, 27.7 ft (8.443 m), from rating curve extended above 36,000 ft³/s (1,020 m³/s) on basis of computation of peak flow over Morgan Falls Dam; minimum observed, 132 ft³/s (3.74 m³/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, 10,600 ft³/s (300 m³/s) Apr. 13, gage height, 11.66 ft (3.554 m); minimum daily, 735 ft³/s (20.8 m³/s) Nov. 26.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	874	4980	2090	1060	1410	908	804	7120	3230	850	2010	1800
2	2590	5800	1240	1210	1410	1360	2320	7100	1600	1500	2000	871
3	3500	6800	750	1520	1400	1350	3080	7100	1100	2620	1990	991
4	3510	3400	1200	1480	786	1700	3640	7120	4130	2180	1300	1880
5	3530	758	1760	1460	1070	1730	6290	7140	4600	2090	759	2830
6	3540	2130	1500	1440	1410	1460	6740	7460	4590	2150	1340	2450
7	1810	3700	1500	821	1590	1030	5300	7090	4610	1570	2460	2400
8	780	3700	1400	1230	1540	880	2420	7110	4710	798	3360	1400
9	2650	3790	1200	1490	1540	900	5180	7140	2000	1350	3330	1160
10	3660	3760	810	1430	1470	819	7350	7150	900	2820	4400	1870
11	3690	2640	1050	1410	823	832	7280	7110	3500	2380	2190	2570
12	3690	748	1240	1420	1130	1880	6270	2870	4400	2420	850	2740
13	3710	1420	1300	1480	1420	2330	7960	1100	4450	2650	1320	1720
14	2000	2720	1330	862	1430	1020	4600	3500	4400	1330	1150	2820
15	753	2730	1320	1190	1410	1510	1410	3440	4410	782	2470	1550
16	3260	2730	1250	1390	1420	1480	4290	3570	1800	2400	2280	1000
17	4170	2550	756	1360	1370	1470	7540	3610	850	3190	2000	1730
18	4130	2480	1050	1380	805	803	7170	3610	1900	2140	1240	2560
19	4140	770	1330	1370	1160	1070	9120	2520	2500	2390	1130	2510
20	4120	1800	1330	1510	1290	1370	9160	900	2500	2430	2200	2120
21	1790	2490	1370	1710	1380	1380	6430	2400	2500	1700	2490	1820
22	753	2500	1370	1410	1460	1370	7070	4280	2500	905	2490	1420
23	3480	2510	1320	1510	1740	1470	7080	4010	1500	1450	2520	1050
24	4340	2500	758	1840	2920	1690	7120	4050	850	1600	2500	858
25	4460	1710	1070	1880	2100	861	7110	4020	1200	1590	1910	1500
26	6220	735	1060	1550	1890	1870	7560	2100	1400	1590	838	1720
27	6680	1800	1430	1470	1750	3630	7470	800	1400	1580	2720	1890
28	2320	1190	1440	836	900	3400	7170	1800	1400	1150	3700	3200
29	742	1340	1420	1100	---	3410	7500	2300	1400	783	3700	1560
30	3960	1470	1420	1410	---	3420	7110	2400	1200	1660	3700	1030
31	5950	---	767	1430	---	2150	---	3150	---	1990	3580	---
TOTAL	100802	77651	38831	42659	40024	50553	179544	135070	77530	56038	69927	55020
MEAN	3252	2588	1253	1376	1429	1631	5985	4357	2584	1808	2256	1834
MAX	6680	6800	2090	1880	2920	3630	9160	7460	4710	3190	4400	3200
MIN	742	735	750	821	786	803	804	800	850	782	759	858

CAL YR 1978	TOTAL	976409	MEAN	2675	MAX	8570	MIN	710	MEAN†	2109	CFSM†	1.80	IN†	24.43
WTR YR 1979	TOTAL	923649	MEAN	2531	MAX	9160	MIN	735	MEAN†	2809	CFSM†	2.40	IN†	32.58

† ADJUSTED FOR CHANGE IN CONTENTS IN LAKE SIDNEY LANIER.

APALACHICOLA RIVER BASIN

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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 (5.3 km) upstream from Big Creek and bridge on U.S. Highway 19, and 3.6 mi (5.8 km) southeast of Roswell.

DRAINAGE AREA.—1,220 mi² (3,160 km²), approximately.

PERIOD OF RECORD.—October 1941 to May 1960 (published as "near Roswell"), July 1976 to current year.

GAGE.—Water-stage recorder. Datum of gage is 858.01 ft (261.521 m) National Geodetic Vertical Datum of 1929. Prior to July 7, 1976, at site 1.8 mi (2.9 km) downstream at datum 8.51 ft (2.594 m) lower.

REMARKS.—Records good. Flow regulated by Lake Sidney Lanier since January 1956. (See "Lakes and Reservoirs in Apalachicola River Basin," station 02334400.) Diversions above station by Gwinnett and DeKalb Counties; return flows above station by Gwinnett County.

AVERAGE DISCHARGE.—21 years, 2,122 ft³/s (60.1 m³/s), 23.62 in/yr (600 mm/yr), unadjusted.

EXTREMES FOR PERIOD OF RECORD.—Maximum discharge, 56,000 ft³/s (1.586 m³/s) Jan. 8, 1946 (gage height, 23.4 ft site and datum then in use, from floodmark), from rating curve extended above 30,000 ft³/s (850 m³/s) on basis of computation of peak flow over Morgan Falls Dam 6 miles downstream; minimum daily, 315 ft³/s (8.92 m³/s) Aug. 11, 1957.

EXTREMES FOR CURRENT YEAR.—Maximum discharge, 13,800 ft³/s (391 m³/s) Apr. 13, gage height, 9.75 ft (2.972 m); minimum daily, 618 ft³/s (17.5 m³/s) Oct. 8.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	667	5050	2060	1090	1350	898	729	6770	3300	683	1920	2920
2	1380	5390	1240	1170	1320	1270	1990	6750	2230	964	1920	788
3	3340	6650	656	1440	1330	1340	3100	6720	999	2250	1900	1060
4	3370	4420	1180	1430	703	1860	4360	6810	3140	2340	1720	1270
5	3350	693	1820	1350	1010	1950	5960	6840	4450	2010	641	2660
6	3350	1150	1480	1430	1440	1540	6590	7120	4390	2070	943	2430
7	3040	3580	1430	756	1580	1040	5470	6830	4400	2020	1840	2310
8	618	3560	1390	1210	1460	884	2750	6820	4510	732	3220	1980
9	1260	3630	1380	1380	1490	869	3990	6820	2810	1020	3210	1070
10	3470	3640	750	1420	1390	809	7180	6820	788	2520	4120	1220
11	3520	3370	1040	1340	782	815	7020	6750	2560	2300	3120	2360
12	3530	670	1300	1370	1040	1610	6870	3670	4150	2370	803	2620
13	3550	941	1280	1470	1330	2180	10300	966	4200	2620	1040	2170
14	3290	2570	1290	832	1370	1180	5740	2590	4140	1870	1150	2220
15	685	2630	1270	1060	1330	1420	1560	3260	4140	684	1840	2180
16	2470	2610	1300	1340	1310	1400	3150	3180	2680	1520	2370	876
17	3990	2660	683	1310	1330	1390	7260	3320	708	3250	1870	1100
18	4010	2780	993	1320	741	741	6860	3340	1310	2080	1640	2670
19	3980	722	1250	1300	1090	1000	8770	3040	2390	2320	676	2420
20	3970	1520	1280	1690	1270	1290	8810	795	2410	2490	1870	2300
21	2370	2380	1310	1950	1370	1300	6110	1340	2440	2360	2370	1860
22	631	2370	1330	1480	1460	1280	6680	4000	2420	909	2380	2040
23	2670	2400	1270	1510	1790	1430	6750	3760	2060	1120	2480	1050
24	4290	2410	713	1810	3410	1670	6720	3800	703	1590	2400	814
25	4290	1870	1080	1940	2500	832	6770	3760	1010	1580	2280	1110
26	5340	638	977	1450	1980	1460	7490	2850	1340	1540	909	1710
27	6550	1800	1350	1480	1820	3650	7230	697	1310	1520	1870	2090
28	3360	1190	1360	789	901	3270	6860	1300	1310	1420	3490	3080
29	650	1270	1370	1070	---	3270	7160	2320	1280	700	3500	2610
30	2680	1390	1360	1340	---	3300	6750	2320	1310	1140	3410	999
31	5770	---	695	1350	---	2190	---	3490	---	1890	3580	---
TOTAL	95441	75954	37887	41877	39897	49138	176979	128848	74888	53882	66482	55987
MEAN	3079	2532	1222	1351	1425	1585	5899	4156	2496	1738	2145	1866
MAX	6550	6650	2060	1950	3410	3650	10300	7120	4510	3250	4120	3080
MIN	618	638	656	756	703	741	729	697	703	683	641	788

CAL YR 1978 TOTAL 958711 MEAN 2627 MAX 8410 MIN 590 MEAN† 2061 CFSM† 1.69 IN† 22.94
WTR YR 1979 TOTAL 897260 MEAN 2458 MAX 10300 MIN 618 MEAN† 2736 CFSM† 2.24 IN† 30.41

† ADJUSTED FOR CHANGE IN CONTENTS IN LAKE SIDNEY LANIER.

APALACHICOLA RIVER BASIN

02335700 BIG CREEK NEAR ALPHARETTA, GA.

LOCATION.--Lat 34°03'02", long 84°16'10", Fulton County, Hydrologic Unit 03130001, on left bank at downstream side of county highway bridge, 2.6 mi (4.2 km) southeast of Alpharetta, and 9.4 mi (15.1 km) upstream from mouth.

DRAINAGE AREA.--72 mi² (186 km²), approximately.

PERIOD OF RECORD.--May 1960 to current year.

GAGE.--Water-stage recorder. Datum of gage is 960.80 ft (292.852 m) National Geodetic Vertical Datum of 1929 (levels by U.S. Soil Conservation Service).

REMARKS.--Records good.

AVERAGE DISCHARGE.--19 years, 118 ft³/s (3.34 m³/s), 22.26 in/yr (565 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 5,800 ft³/s (164 m³/s) Feb. 21, 1961, gage height, 12.54 ft (3.82 m); minimum daily, 10 ft³/s (0.28 m³/s) Oct. 6, 7, 1970.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 800 ft³/s (22.7 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)	Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
Feb. 25	1900	1180 23.4	8.90 2.713	Apr. 14	0300	*4220 120	11.65 3.551
Mar. 5	2100	887 25.1	8.19 2.496				

Minimum daily discharge, 17 ft³/s (0.48 m³/s) Oct. 6-12.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	25	21	37	57	68	150	79	124	386	47	43	205
2	23	21	32	126	66	134	80	116	266	47	43	88
3	20	21	33	92	68	129	241	112	246	42	42	67
4	19	21	99	67	68	510	568	122	205	42	40	65
5	18	21	192	60	64	751	703	134	127	39	38	54
6	17	21	85	60	72	573	324	115	111	49	36	51
7	17	21	58	89	176	205	164	118	122	44	34	46
8	17	23	50	139	154	160	138	134	109	50	34	43
9	17	23	90	89	148	143	259	131	96	59	34	40
10	17	23	99	72	115	134	393	119	86	67	36	38
11	17	24	63	67	103	144	207	108	78	60	66	38
12	17	25	52	69	93	123	197	182	71	66	80	36
13	20	23	47	107	88	112	2480	175	68	59	48	42
14	36	23	43	92	84	121	3120	145	65	49	42	50
15	22	23	41	74	82	126	857	112	63	45	39	42
16	21	23	41	67	80	106	306	100	62	42	36	38
17	21	27	48	65	74	101	204	92	62	39	35	38
18	20	63	41	61	81	98	171	86	59	37	34	92
19	20	35	40	57	99	95	156	82	56	39	34	76
20	19	28	39	204	106	92	148	83	54	65	34	55
21	19	26	52	439	191	91	139	82	57	167	31	68
22	19	25	50	357	233	87	134	109	57	186	37	102
23	19	30	41	150	311	113	132	110	54	136	49	69
24	19	30	42	251	653	156	129	151	52	115	49	60
25	20	26	47	179	987	117	139	110	57	92	54	55
26	21	25	40	125	867	100	275	94	56	76	110	54
27	21	41	39	107	440	90	266	86	52	66	136	101
28	22	51	42	94	188	89	167	87	49	59	69	128
29	21	43	35	82	---	85	139	93	47	55	90	109
30	20	51	42	77	---	82	129	100	49	50	60	83
31	20	---	68	74	---	80	---	286	---	46	55	---
TOTAL	624	858	1728	3649	5759	5097	12444	3698	2922	2035	1568	2033
MEAN	20.1	28.6	55.7	118	206	164	415	119	97.4	65.6	50.6	67.8
MAX	36	63	192	439	987	751	3120	286	386	186	136	205
MIN	17	21	32	57	64	80	79	82	47	37	31	36
CFSM	.28	.40	.77	1.64	2.86	2.28	5.76	1.65	1.35	.91	.70	.94
IN.	.32	.44	.89	1.89	2.98	2.63	6.43	1.91	1.51	1.05	.81	1.05
CAL YR 1978	TOTAL	34352	MEAN	94.1	MAX	1660	MIN	17	CFSM	1.31	IN	17.75
WTR YR 1979	TOTAL	42415	MEAN	116	MAX	3120	MIN	17	CFSM	1.61	IN	21.91

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 (6 m) upstream from Paces Ferry Bridge, at Atlanta, 1 mi (1.6 km) downstream from Rottenwood Creek, 2.5 mi (4.0 km) upstream from Peachtree Creek, and at mile 303.0 (487.5 km).

DRAINAGE AREA.--1,450 mi² (3,760 km²), approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--August 1928 to December 1931, October 1936 to current year. Monthly discharge only for some periods, published in WSP 1304. Prior to October 1951, published as "near Vinings".

REVISED RECORDS.--WSP 972: 1932.

GAGE.--Water-stage recorder. Datum of gage is 750.10 ft (228.630 m) 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 (1.3 km) upstream.

REMARKS.--Records good. Flow regulated by Lake Sidney Lanier since January 1956. (See "Lakes and Reservoirs in Apalachicola River Basin," station 02334400.) Diversions above station by Gwinnett, DeKalb, and Cobb Counties; return flows above station by Gwinnett and Cobb Counties. Considerable diurnal fluctuation caused by Morgan Falls hydroelectric plant 9.5 mi (15.3 km) above station.

AVERAGE DISCHARGE.--46 years, 2,614 ft³/s (74.0 m³/s), 24.48 in/yr (622 mm/yr), unadjusted.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 59,000 ft³/s (1,670 m³/s) Jan. 9, 1946, gage height, 28.0 ft (8.53 m); minimum daily, 296 ft³/s (8.38 m³/s) Sept. 2, 1957.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known since at least 1896, 29.0 ft (8.84 m) in December 1919, from floodmarks at site 2.6 mi (4.2 km) downstream and stage relation between the two sites.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 26,700 ft³/s (756 m³/s) Apr. 13, maximum gage height, 22.29 ft (6.794 m), backwater from Peachtree Creek; minimum daily discharge, 1,070 ft³/s (30.3 m³/s) Oct. 8.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1090	5400	2180	1240	1470	1350	1210	6800	5700	1080	2000	6610
2	1470	4420	1300	1730	1630	1780	1910	6880	2830	1530	2110	1240
3	3340	5580	1140	1680	1430	1670	5080	6770	1610	2010	2000	1310
4	3260	5830	1820	1840	1130	4960	7150	7070	2830	2700	1660	1600
5	3210	1280	2110	1620	1170	3700	5920	7010	4820	2000	1160	2410
6	3260	1300	2010	1380	1970	2680	7420	7210	4540	2250	1160	2750
7	2400	3200	1530	1390	2420	1650	6690	6880	4590	1850	1800	2510
8	1070	3790	1620	1690	1850	1400	3760	6980	4400	1160	2940	1770
9	1510	3550	1860	1500	1980	1330	3350	6960	3500	1400	3200	1100
10	3330	3470	1210	1790	1540	1360	7330	7030	1340	2520	3800	1610
11	3390	2640	1260	1550	1190	1390	7230	6860	1950	2720	3940	2540
12	3380	1080	1570	1710	1270	1680	7490	6190	4210	2440	1390	2530
13	3450	1430	1430	1470	1660	2440	17900	1590	4270	2560	1480	2920
14	2470	2740	1500	1150	1790	2080	15200	2230	4270	2000	1550	1880
15	1080	2650	1480	1320	1550	1950	5510	4240	4250	1110	1700	2150
16	2000	2330	1470	1570	1780	1580	3290	3250	3330	1460	2630	1110
17	3650	2650	1220	1620	1310	1770	6960	3410	1190	3260	2290	1520
18	3950	2430	1160	1570	1280	1320	6990	3460	1760	2630	1430	2790
19	3950	1100	1290	1360	1370	1370	8910	3510	2380	2440	1160	2700
20	3800	1780	1400	2350	1910	1590	9010	1200	2680	3160	1840	2650
21	2660	2490	1770	3460	2020	1660	6340	1520	2660	3020	2400	2010
22	1100	2640	1360	2450	2050	1660	6680	3950	2460	2030	2650	2230
23	1690	2290	1360	1680	2680	1760	6920	4200	2100	1740	2650	1150
24	3920	2250	1290	2810	6070	2140	6760	4390	1140	1770	2500	1340
25	4130	1880	1210	2340	4320	1360	7010	4070	1160	2100	2190	1440
26	4300	1100	1160	2000	3580	1630	8900	3180	1450	1680	1710	1910
27	6160	1610	1370	1520	3200	3730	8080	1140	1570	1810	1930	2820
28	4970	1770	1580	1160	1650	3420	7160	1590	1600	1710	3640	3680
29	1090	1610	1570	1480	---	3550	7220	2830	1370	1160	3820	4300
30	1610	1640	1580	1470	---	3450	6950	2760	1410	1430	3440	1610
31	5450	---	1170	1730	---	2600	---	5450	---	2110	3700	---
TOTAL	92140	77930	45980	53630	57270	66010	210330	140610	83370	62840	71870	68190
MEAN	2972	2598	1483	1730	2045	2129	7011	4536	2779	2027	2318	2273
MAX	6160	5830	2180	3460	6070	4960	17900	7210	5700	3260	3940	6610
MIN	1070	1080	1140	1150	1130	1320	1210	1140	1140	1080	1160	1100

CAL YR 1978 TOTAL 1066710 MEAN 2922 MAX 12900 MIN 1040 MEAN+ 2356 CFSM+ 1.62 IN+ 21.99
WTR YR 1979 TOTAL 1030170 MEAN 2822 MAX 17900 MIN 1070 MEAN+ 3100 CFSM+ 2.14 IN+ 29.05

+ ADJUSTED FOR CHANGE IN CONTENTS IN LAKE SIDNEY LANIER.

APALACHICOLA RIVER BASIN

02336000 CHATTAHOOCHEE RIVER AT ATLANTA, GA.--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--March 1974 to September 1979 (discontinued).

WATER QUALITY DATA. WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
OCT						
25...	0730	4080	34	6.1	14.0	9.5
31...	0800	8690	--	--	--	--
NOV						
14...	1000	1990	36	6.9	13.5	9.9
DEC						
06...	1000	1300	42	7.5	10.0	10.6
19...	0830	1180	47	7.1	9.0	10.8
JAN						
03...	0840	1320	46	6.8	6.0	11.2
17...	0930	1120	38	6.4	5.0	12.4
31...	0840	1190	56	7.0	9.0	12.0
FEB						
23...	0800	2600	51	6.5	7.0	11.4
MAR						
01...	0800	1300	45	6.1	7.5	11.0
13...	0845	1930	47	6.4	9.0	10.6
27...	0810	4240	46	6.3	8.5	10.8
APR						
05...	0820	5040	42	6.2	12.0	9.5
17...	0815	9250	33	6.5	--	--
MAY						
07...	0700	8210	35	6.0	11.0	10.2
18...	0720	4320	43	6.3	14.5	9.5
JUN						
05...	0730	7650	41	9.3	12.5	9.7
19...	1145	2980	44	6.4	18.0	9.2
26...	0900	1940	44	6.9	18.0	8.9
JUL						
18...	0700	3400	36	6.8	17.5	9.0
AUG						
06...	0800	1110	39	6.6	20.0	8.4
16...	0700	3260	40	6.6	17.5	8.7
25...	0500	2000	40	6.6	16.5	9.3
SEP						
01...	0830	14700	41	6.2	16.5	8.4
08...	0630	1340	45	6.5	18.0	8.2

APALACHICOLA RIVER BASIN

227

02336000 CHATTAHOOCHEE RIVER AT ATLANTA, GA.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TUR- BID- ITY (NTU)	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA)	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L AS MG)	SODIUM, TOTAL RECOV- ERABLE (MG/L AS NA)	POTAS- SIUM, TOTAL RECOV- ERABLE (MG/L AS K)	ALKA- LINITY (MG/L AS CAC03)	SULFATE DIS- SOLVED (MG/L AS S04)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SILICA, DIS- SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)
OCT												
25...	6.0	0	120	--	--	--	--	--	--	--	4.8	28
31...	15	4	93	--	--	--	--	--	--	--	3.5	20
NOV												
14...	5.0	0	106	--	--	--	--	--	--	--	6.8	30
DEC												
06...	32	16	1200	--	--	--	--	--	--	--	7.0	36
19...	5.0	21	250	3.0	1.1	3.2	1.5	--	--	--	7.8	38
JAN												
03...	25	10	210	--	--	--	--	--	--	--	5.8	33
17...	3.0	1	K23	--	--	--	--	--	--	--	5.5	24
31...	5.0	14	280	--	--	--	--	--	--	--	5.6	39
FEB												
23...	22	19	300	--	--	--	--	--	--	--	6.0	40
MAR												
01...	20	--	27	--	--	--	--	--	--	--	7.6	37
13...	15	--	130	3.1	1.1	3.3	1.5	19	2.6	2.9	6.4	34
27...	30	9	1300	--	--	--	--	--	--	--	6.4	36
APR												
05...	75	16	2700	--	--	--	--	--	--	--	5.5	38
17...	40	16	400	--	--	--	--	--	--	--	4.1	37
MAY												
07...	8.0	7	140	--	--	--	--	--	--	--	4.3	26
18...	15	23	78	3.3	1.4	3.1	1.6	16	2.3	2.4	6.1	32
JUN												
05...	6.0	16	800	--	--	--	--	--	--	--	5.3	30
19...	9.0	8	180	--	--	--	--	--	--	--	7.0	32
26...	7.0	7	420	--	--	--	--	--	--	--	7.4	33
JUL												
18...	15	6	140	--	--	--	--	--	--	--	6.0	37
AUG												
06...	5.0	13	--	1.7	1.4	3.2	1.2	8	2.6	2.4	6.3	44
16...	20	5	600	--	--	--	--	--	--	--	6.7	30
25...	10	21	190	--	--	--	--	--	--	--	6.2	31
SEP												
01...	100	10	2400	--	--	--	--	--	--	--	5.3	39
08...	10	4	120	2.3	.6	2.6	1.3	9	1.7	2.4	6.3	1

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	SOLIDS, RESIDUE AT 105 DEG. C. SUS- PENDE (MG/L)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	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)	OIL AND GREASE, TOTAL RECOV. GRAVI- METRIC (MG/L)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)
OCT												
25...	16	.29	.00	.07	.07	.36	.02	1.5	--	1.27	.000	790
31...	29	.19	.04	.32	.36	.55	.07	3.0	--	1.88	.000	1500
NOV												
14...	10	.24	.01	.45	.46	.70	.02	2.8	--	.000	.000	1300
DEC												
06...	16	.24	.09	.24	.33	.57	.06	3.1	1	.000	.000	1800
19...	0	.28	.11	.02	.13	.41	.02	1.9	0	.000	.000	650
JAN												
03...	13	.24	.08	.11	.19	.43	.05	2.8	0	.000	.000	1200
17...	9	.31	.02	.00	.02	.33	.03	4.7	0	.000	.000	470
31...	5	.23	.08	.00	.08	.31	.03	1.4	0	.000	.000	380
FEB												
23...	2	.32	.06	.20	.26	.58	.02	3.5	0	.000	.000	1300
MAR												
01...	7	.35	.07	.12	.19	.54	.04	2.1	0	.000	.000	1200
13...	10	.28	.07	.00	.07	.35	.03	1.4	0	3.32	.000	1000
27...	63	.28	.06	.14	.20	.48	.07	2.6	0	2.52	.000	3400
APR												
05...	106	.26	.08	.45	.53	.79	.15	5.0	0	.000	.000	6000
17...	213	.22	.05	.46	.51	.73	.09	2.9	1	2.58	.000	11000
MAY												
07...	65	.29	.01	.00	.01	.30	.03	1.2	0	.000	.000	2500
18...	44	.37	.01	.26	.27	.64	.02	6.0	0	.000	.000	1900
JUN												
05...	287	.34	.00	.57	.57	.91	.14	6.1	1	.000	.000	--
19...	19	.40	.03	.16	.19	.59	.01	1.8	0	.000	.000	1100
26...	10	.39	.03	.14	.17	.56	.03	1.4	1	.000	.000	800
JUL												
18...	34	.40	.05	.18	.23	.63	.04	1.7	0	.540	.000	1500
AUG												
06...	9	.36	.02	.17	.19	.55	.03	1.3	0	.000	.000	480
16...	51	.40	.00	.18	.18	.58	.07	1.9	0	.000	.000	2700
25...	10	.42	.11	.06	.17	.59	.03	1.3	0	.000	.000	720
SEP												
01...	361	.39	.05	.50	.55	.94	.17	5.6	2	.000	.000	16000
08...	16	.36	.03	.34	.37	.73	.03	1.6	6	.000	.000	870

DATE	C.O.D. TOTAL IN BOTTOM MA- TERIAL (MG/KG)	NITRO- GEN+NH4 + ORG. TOT IN BOT MAT (MG/KG AS N)	PHOS- PHORUS, TOTAL IN BOT. MAT. (MG/KG AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC IN BOT- TOM MA- TERIAL (UG/G AS AS)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CADMIUM RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)
DEC								
19...	--	--	--	0	--	4	--	10
MAR								
13...	--	--	--	3	--	0	--	30
MAY								
18...	--	--	--	0	--	0	--	30
AUG								
06...	1800	16	110	0	0	1	<10	20
SEP								
08...	--	--	--	0	--	0	--	10

DATE	CHRO- MIUM, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	LEAD, TOTAL RECOV- ERABLE (UG/PB) AS PB)	LEAD, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS PB)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY RECOV. FM BOT- TOM MA- TERIAL (UG/G AS HG)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	ZINC, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS ZN)	OIL AND GREASE, TOT. IN BOT MAT GRAVI- METRIC (MG/KG)
DEC								
19...	--	--	--	<.5	--	30	--	--
MAR								
13...	--	0	--	<.5	--	10	--	--
MAY								
18...	--	0	--	<.5	--	20	--	--
AUG								
06...	10	0	<10	<.5	.10	20	20	0
SEP								
08...	--	1	--	<.5	--	0	--	--

APALACHICOLA RIVER BASIN

229

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 (0.6 km) downstream from Tanyard Branch, and 4 mi (6.4 km) upstream from mouth.
DRAINAGE AREA.--86.8 mi² (225 km²).

WATER-DISCHARGE RECORDS

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

GAGE.--Water-stage recorder. Datum of gage is 763.96 ft (232.855 m) National Geodetic Vertical Datum of 1929, city of Atlanta bench mark. Prior to May 27, 1963, water-stage recorder at site 1,000 ft (305 m) downstream at same datum.

REMARKS.--Records fair except those for periods of doubtful or no gage-height record, June 10 to July 19, Aug. 11-14, and Aug. 20 to Sept. 4, which are poor.

AVERAGE DISCHARGE.--21 years, 137 ft³/s (3.88 m³/s), 21.43 in/yr (544 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 8,660 ft³/s (245 m³/s) Mar. 16, 1976, gage height, 20.30 ft (6.187 m); minimum daily, 8 ft³/s (0.227 m³/s) Aug. 10, 1959.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 8,070 ft³/s (229 m³/s) Apr. 13, gage height, 19.08 ft (5.816 m); minimum daily, 9.0 ft³/s (0.255 m³/s) Oct. 8, 10, 11, 18, 19, 21, 22.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	45	12	25	159	42	80	39	72	288	60	41	860
2	18	12	18	371	38	71	200	73	122	54	69	350
3	14	13	19	68	37	190	600	64	226	48	41	170
4	12	14	676	46	38	1240	2130	67	210	45	37	130
5	11	14	479	41	35	285	262	73	92	84	34	106
6	10	14	77	44	284	136	156	55	91	76	32	105
7	9.5	34	45	213	516	102	128	54	126	64	31	118
8	9.0	39	36	111	125	87	191	62	109	60	30	113
9	9.5	14	277	50	80	73	402	80	84	82	30	107
10	9.0	12	77	42	54	69	110	60	70	86	28	100
11	9.0	11	37	39	46	114	89	82	66	76	40	99
12	9.5	11	29	181	41	59	578	174	62	80	50	98
13	20	11	25	193	38	55	5990	268	58	78	30	193
14	55	11	23	83	36	87	879	130	54	60	23	186
15	15	12	21	52	35	58	253	55	55	56	19	72
16	10	12	26	47	35	49	181	47	65	50	18	64
17	9.5	160	38	44	32	48	167	43	60	45	18	131
18	9.0	181	22	41	46	47	149	40	56	43	15	500
19	9.0	25	21	37	106	47	135	38	52	42	14	112
20	9.5	14	21	684	266	46	126	104	50	548	14	93
21	9.0	12	112	494	308	45	117	82	48	909	13	324
22	9.0	11	32	122	213	47	110	91	47	505	100	194
23	9.5	30	20	116	290	429	105	89	47	139	250	79
24	9.5	17	107	504	1190	157	102	117	60	124	170	55
25	10	12	65	109	696	78	295	61	56	168	300	45
26	10	11	27	75	186	56	1320	47	52	92	400	43
27	11	163	22	64	114	49	188	42	49	66	200	201
28	12	85	21	57	88	45	90	44	47	58	300	810
29	12	64	20	48	---	42	70	498	46	72	130	1220
30	12	67	54	46	---	41	67	117	70	48	110	268
31	10	---	51	50	---	40	---	998	---	43	350	---
TOTAL	416.5	1098	2523	4231	5015	3972	15229	3827	2518	3961	2937	6946
MEAN	13.4	36.6	81.4	136	179	128	508	123	83.9	128	94.7	232
MAX	55	181	676	684	1190	1240	5990	998	288	909	400	1220
MIN	9.0	11	18	37	32	40	39	38	46	42	13	43
CFSM	1.15	1.42	1.94	1.57	2.06	1.48	5.85	1.42	1.97	1.48	1.09	2.67
IN.	1.18	1.47	1.08	1.81	2.15	1.70	6.53	1.64	1.98	1.70	1.26	2.98
CAL YR 1978	TOTAL	35644.5	MEAN	97.7	MAX	2620	MIN	9.0	CFSM	1.13	IN	15.28
WTR YR 1979	TOTAL	52673.5	MEAN	144	MAX	5990	MIN	9.0	CFSM	1.66	IN	22.57

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.49	3.27	3.37	3.99	3.43	3.69	3.47	3.96	4.71	---	3.45	---
2	3.32	3.27	3.32	4.99	3.42	3.65	---	3.97	3.95	---	3.61	---
3	3.28	3.28	3.32	3.58	3.41	4.15	---	3.91	4.43	---	3.45	---
4	3.27	3.29	5.93	3.46	3.42	7.90	9.56	3.93	4.34	---	3.42	4.05
5	3.25	3.29	5.36	3.42	3.40	4.73	4.65	3.91	3.78	---	3.40	3.86
6	3.24	3.29	3.68	3.44	4.45	4.03	4.15	3.79	3.77	---	3.39	3.85
7	3.23	3.42	3.48	4.29	5.53	3.84	3.99	3.78	3.95	---	3.39	3.93
8	3.22	3.46	3.43	3.82	3.93	3.75	4.28	3.85	3.87	---	3.38	3.90
9	3.23	3.29	4.59	3.47	3.67	3.66	5.08	3.90	3.73	---	3.38	3.86
10	3.22	3.27	3.68	3.42	3.52	3.64	3.87	3.78	---	---	3.37	3.82
11	3.22	3.26	3.43	3.41	3.48	3.90	3.76	3.89	---	---	3.36	3.82
12	3.23	3.26	3.39	4.10	3.45	3.58	5.49	4.26	---	---	---	3.81
13	3.34	3.26	3.36	4.23	3.43	3.56	16.19	4.81	---	---	---	4.30
14	3.53	3.26	3.34	3.65	3.42	3.75	6.80	4.06	---	---	3.33	4.26
15	3.30	3.26	3.33	3.47	3.41	3.58	4.87	3.66	---	---	3.30	3.66
16	3.25	3.27	3.36	3.44	3.41	3.52	4.52	3.61	---	---	3.29	3.61
17	3.23	3.99	3.43	3.42	3.40	3.52	4.44	3.59	---	---	3.29	3.92
18	3.22	4.19	3.32	3.41	3.48	3.51	4.36	3.57	---	---	3.27	5.58
19	3.22	3.37	3.32	3.39	3.82	3.51	4.29	3.56	---	3.54	3.26	3.89
20	3.23	3.29	3.32	5.88	4.57	3.51	4.24	3.94	---	5.51	---	3.78
21	3.22	3.26	3.86	5.43	4.80	3.50	4.20	3.77	---	6.55	---	4.72
22	3.22	3.26	3.39	3.90	4.36	3.51	4.16	3.82	---	5.49	---	4.28
23	3.23	3.41	3.31	3.82	4.74	5.12	4.14	3.81	---	4.03	---	3.75
24	3.23	3.32	3.81	5.48	7.57	4.12	4.12	3.97	---	3.93	---	3.66
25	3.24	3.26	3.58	3.81	6.19	3.69	4.97	3.64	---	4.17	---	3.61
26	3.25	3.25	3.35	3.63	4.29	3.56	8.09	3.56	---	3.76	---	3.60
27	3.26	4.14	3.32	3.56	3.89	3.52	4.55	3.53	---	3.60	---	4.24
28	3.27	3.73	3.31	3.52	3.75	3.50	4.06	3.54	---	3.56	---	6.48
29	3.26	3.60	3.29	3.47	---	3.48	3.95	5.47	---	3.64	---	7.41
30	3.26	3.62	3.50	3.45	---	3.47	3.93	3.97	---	3.50	---	4.70
31	3.25	---	3.49	3.48	---	3.47	---	6.64	---	3.47	---	---
MEAN	3.26	3.41	3.61	3.87	4.06	3.87	---	3.98	---	---	---	---
MAX	3.53	4.19	5.93	5.88	7.57	7.90	---	6.64	---	---	---	---
MIN	3.22	3.25	3.29	3.39	3.40	3.47	---	3.53	---	---	---	---

APALACHICOLA RIVER BASIN

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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, Air Temperature, Water Temperature, pH, and Dissolved Oxygen by U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	PH (UNITS)	TEMPER- ATURE, AIR (DEG C)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
OCT 19...	1330	9.4	7.3	24.0	17.5	9.4
NOV 15...	1500	12	7.4	25.0	20.0	8.8
DEC 14...	1340	22	7.3	9.0	6.0	10.8
JAN 16...	1500	45	7.1	8.5	5.0	8.8
FEB 15...	1240	35	7.5	18.5	11.0	9.6
MAR 15...	1300	54	7.2	13.5	12.0	9.4
APR 26...	1415	1360	6.9	21.5	17.5	8.3
MAY 15...	1120	54	7.2	23.5	20.0	8.8
JUN 21...	1125	48	7.5	28.5	22.5	8.7
JUL 19...	1320	36	7.3	25.0	25.0	6.2
AUG 17...	1215	16	7.4	23.5	23.0	8.2
SEP 19...	1130	108	7.2	22.0	21.5	7.7

DATE	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	TUR- BID- ITY (JTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LILITY (MG/L AS CAC03)	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 19...	160	9	1.3	230	56	.27	.12	.06	3.0
NOV 15...	152	11	1.9	2300	55	.05	.02	.07	6.0
DEC 14...	130	7	1.3	930	40	.36	.08	.03	1.0
JAN 16...	119	7	.3	750	37	.59	.11	.04	2.0
FEB 15...	142	15	1.3	150	40	.62	.09	.10	<1.0
MAR 15...	124	8	1.2	23000	35	.54	.03	.04	3.0
APR 26...	50	240	6.3	230000	16	.26	.13	.45	15
MAY 15...	134	18	>6.7	7500	41	.41	.04	.23	7.0
JUN 21...	146	7	2.0	2300	44	.57	.04	.07	2.5
JUL 19...	144	15	3.2	43000	42	.67	.08	.10	--
AUG 17...	134	11	1.5	15000	45	.26	.07	.66	2.0
SEP 19...	84	30	1.2	43000	26	.26	.04	.11	6.0

APALACHICOLA RIVER BASIN

02336502 CHATTAHOOCHEE RIVER AT I-285, AT ATLANTA, GA.

LOCATION.--Lat 33°48'32", long 84°29'43", Cobb-Fulton County line, Hydrologic Unit 03130002, at bridge on Interstate Highway 285, 0.3 mi (0.5 km) upstream from Proctor Creek, 0.5 mi (0.8 km) downstream from Southern Railway bridge, and at Atlanta city limits.

DRAINAGE AREA.--1,600 mi² (4,140 km²).

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, Air Temperature, Water Temperature, pH, and Dissolved Oxygen by U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	PH (UNITS)	TEMPER- ATURE, AIR (DEG C)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
OCT 18...	1140	4000	8.0	17.0	15.0	8.4
NOV 15...	1410	4800	6.8	26.0	16.5	9.0
DEC 14...	1255	1200	7.2	8.5	12.0	10.5
JAN 19...	0755	1400	7.2	4.5	8.0	10.0
FEB 14...	1340	1850	7.0	16.0	10.5	11.8
MAR 15...	1210	1300	7.1	14.0	13.0	9.1
APR 26...	1315	12500	6.9	17.0	14.0	9.2
MAY 15...	1000	4900	7.2	20.0	14.0	8.0
JUN 20...	1135	3700	6.7	27.0	19.5	8.0
JUL 18...	1400	2900	7.0	33.0	20.0	8.8
AUG 17...	1045	3250	6.9	24.0	19.5	8.2
SEP 19...	1235	4300	6.9	27.0	18.0	9.0

DATE	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	TUR- BID- ITY (JTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LITY (MG/L AS CAC03)	SOLIDS, RESIDUE AT 105 DEG. C. SUS- PENDE (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)
OCT 18...	71	6	4.0	--	33	--	--	<.02	<.02	.06	7.0
NOV 15...	51	10	2.2	<30	15	33	48	.19	.33	.09	2.0
DEC 14...	85	7	2.0	<30	22	10	60	.22	1.1	.28	2.0
JAN 19...	72	12	1.8	<30	19	11	54	.39	.03	.10	2.0
FEB 14...	88	6	1.2	<30	19	5	60	.30	1.1	.18	3.0
MAR 15...	82	10	3.0	9300	22	16	68	.28	.90	.23	3.5
APR 26...	38	140	4.0	23000	13	260	280	.22	.18	.25	8.0
MAY 15...	42	60	1.8	930	13	108	158	.31	.29	.16	<5.0
JUN 20...	53	11	2.6	150	14	32	66	.38	.35	.14	2.5
JUL 18...	54	16	2.8	430	11	28	66	.77	.36	.12	1.0
AUG 17...	48	16	2.2	90	14	26	36	.36	.35	.15	2.0
SEP 19...	57	38	2.4	9300	16	78	132	.36	.34	.19	11

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 (30 m) upstream from bridge on Interstate Highway 20, 400 ft (122 m) upstream from Blair Bridge, 3 mi (4.8 km) southeast of Austell, and 5.5 mi (8.8 km) upstream from mouth.
DRAINAGE AREA.--246 mi² (637 km²).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--May 1904 to December 1905, November to December 1913, March 1937 to current year. Monthly discharge only for some periods, published in WSP 1304.

REVISED RECORDS.--WSP 1724: 1949(M).

GAGE.--Water-stage recorder. Datum of gage is 857.01 ft (261.217 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). May 6, 1904, to Dec. 31, 1905, and Nov. 3 to Dec. 27, 1913, nonrecording gage at site 2.5 mi (4.0 km) upstream at different datum. Mar. 24 to Nov. 29, 1937, nonrecording gage at present site and datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--43 years (1904-5, 1937-79), 334 ft³/s (9.46 m³/s), 18.44 in/yr (468 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 10,400 ft³/s (295 m³/s) Nov. 29, 1948, gage height, 18.4 ft (5.608 m), maximum gage height, 18.73 ft (5.709 m) Mar. 14, 1975; minimum daily, 2.1 ft³/s (0.059 m³/s) Oct. 9, 1954.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of July 8, 1916 reached a stage of about 20.0 ft (6.10 m), from information by local resident; discharge, 12,600 ft³/s (357 m³/s), from rating extended above 6,500 ft³/s (184 m³/s) on basis of contracted-opening measurement at gage height, 18.2 ft (5.55 m).

EXTREMES FOR CURRENT YEAR.--Peak discharge above base of 1,800 ft³/s (51.0 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)	Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
Feb. 25	1000	2280 64.6	7.19 2.192	Apr. 14	1900	*7490 212	17.48 5.328
Mar. 6	0400	2930 83.0	8.82 2.688	June 1	2000	3180 90.1	9.34 2.846
Apr. 5	0800	3660 104	10.52 3.206				

Minimum discharge, 26 ft³/s (0.74 m³/s) Oct. 18, 21, 22, gage height, 0.51 ft (0.155 m).

REVISIONS.--The maximum discharge for the-1975 water year has been revised to 8,240 ft³/s (233 m³/s) for the 1975 water year, gage height, 18.73 ft (5.709 m), superseding figure published in the report for 1975.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	29	33	118	134	202	420	206	405	2960	163	103	276
2	30	34	104	352	185	373	212	372	2970	138	97	191
3	29	35	91	364	179	350	1470	347	1780	118	91	159
4	44	33	169	299	180	1570	3090	356	666	110	84	127
5	51	34	400	213	174	2780	3550	489	473	102	79	111
6	44	34	319	184	198	2780	2750	432	395	96	73	98
7	37	36	218	270	611	1540	1140	375	370	97	69	90
8	32	45	148	435	620	573	542	350	344	102	65	86
9	37	52	194	363	526	458	656	361	310	132	62	80
10	37	52	247	270	381	404	566	347	280	176	61	75
11	33	52	193	215	309	426	467	335	251	175	100	71
12	30	50	152	200	271	391	561	427	222	175	269	68
13	28	50	128	265	249	356	3790	563	202	152	198	75
14	35	51	115	294	229	341	6760	596	188	135	135	178
15	34	53	106	251	216	332	6350	459	179	116	105	134
16	28	55	103	207	204	302	3710	364	174	103	91	113
17	27	58	107	186	190	285	1200	312	169	92	82	99
18	26	100	103	179	206	277	576	280	163	85	77	224
19	32	90	100	166	251	275	510	261	154	83	75	284
20	29	81	99	329	286	267	454	253	147	103	71	217
21	27	70	115	810	464	250	419	257	143	163	67	169
22	27	64	122	838	567	241	388	298	146	519	63	185
23	28	67	116	613	763	278	363	343	143	400	110	178
24	28	68	113	778	1520	336	347	445	141	306	107	155
25	27	64	121	672	2200	319	375	378	148	286	147	131
26	29	60	116	530	1850	271	882	315	149	206	511	121
27	30	82	108	383	884	244	1300	270	145	174	391	271
28	31	105	102	318	515	230	1130	260	134	148	291	504
29	33	104	97	272	---	219	594	417	126	142	235	823
30	33	124	99	240	---	213	460	550	146	128	163	470
31	33	---	119	222	---	208	---	1330	---	112	129	---
TOTAL	998	1836	4442	10852	14430	17309	44818	12547	13818	5037	4201	5763
MEAN	32.2	61.2	143	350	515	558	1494	405	461	162	136	192
MAX	51	124	400	838	2200	2780	6760	1330	2970	519	511	823
MIN	26	33	91	134	174	208	206	253	126	83	61	68
CFSM	.13	.25	.58	1.42	2.09	2.27	6.07	1.65	1.87	.66	.55	.78
IN.	.15	.28	.67	1.64	2.18	2.62	6.78	1.90	2.09	.76	.64	.87

CAL YR 1978 TOTAL 99563 MEAN 273 MAX 4540 MIN 26 CFSM 1.11 IN 15.06
WTR YR 1979 TOTAL 136051 MEAN 373 MAX 6760 MIN 26 CFSM 1.52 IN 20.57

APALACHICOLA RIVER BASIN

02337000 SWEETWATER CREEK NEAR AUSTELL, GA.--Continued

WATER-QUALITY RECORDS

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	PH (UNITS)	TEMPER- ATURE, AIR (DEG C)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)			
OCT 18...	1020	26	7.7	15.5	10.0	8.2			
NOV 15...	1330	53	7.1	26.0	17.5	7.8			
DEC 04...	1330	198	6.7	14.5	14.0	8.5			
JAN 17...	0910	188	7.1	3.3	3.0	7.5			
FEB 14...	1255	227	7.1	15.0	7.0	11.2			
MAR 14...	1035	335	7.0	10.5	11.5	9.6			
APR 23...	1000	359	6.7	20.0	18.0	8.1			
MAY 17...	0950	314	7.2	25.0	19.0	8.2			
JUN 20...	1100	145	6.8	26.0	22.0	7.4			
JUL 17...	0730	92	7.1	20.0	24.0	7.7			
AUG 17...	0945	83	7.0	24.0	22.5	6.4			
SEP 18...	0830	178	7.0	18.0	20.0	5.4			

DATE	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	TUR- BID- ITY (JTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LINITY (MG/L AS CAC03)	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 18...	104	10	2.1	--	38	<.02	.07	.02	5.0
NOV 15...	89	12	1.1	90	31	<.02	<.02	.04	6.0
DEC 04...	68	54	2.0	9300	23	.14	.06	.12	10
JAN 17...	75	9	1.8	15000	20	.29	.06	.04	3.0
FEB 14...	64	9	1.1	930	17	1.0	.06	.08	2.0
MAR 14...	56	14	.9	930	17	.20	.02	<.02	4.0
APR 23...	56	17	1.1	2300	20	.21	.04	.07	2.0
MAY 17...	57	15	--	430	21	.25	<.02	.04	<5.0
JUN 20...	69	9	1.2	2300	24	.20	<.02	.02	2.5
JUL 17...	87	12	1.6	430	27	.22	<.02	.02	3.0
AUG 17...	77	25	2.1	930	25	.19	.04	.03	5.0
SEP 18...	72	28	1.6	2300	24	.24	<.02	.07	5.0

02337000 SWEETWATER CREEK NEAR AUSTELL, GA.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	TEMPER- ATURE (DEG C)	TUR- BID- ITY (NTU)	SEDI- MENT, SUS- PENDED (MG/L)	SEDI- MENT DIS- CHARGE, SUS- PENDED (T/DAY)
APR 10...	1030	573	--	18	38	59
SEP 25...	0945	131	18.0	--	38	13

APALACHICOLA RIVER BASIN

02337170 CHATTAHOOCHEE RIVER NEAR FAIRBURN, GA.

LOCATION.--Lat 33°39'24", long 84°40'25", Fulton-Douglas County line, Hydrologic Unit 03130002, at downstream end of pier of bridge on State Highways 74 and 92, 1.4 mi (2.3 km) downstream from Deep Creek, 8.5 mi (13.7 km) northwest of Fairburn, and at mile 281.8 (453.4 km).

DRAINAGE AREA.--2,060 mi² (5,340 km²).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--July 1965 to current year.

GAGE.--Water-stage recorder. Datum of gage is 719.07 ft (219.173 m) National Geodetic Vertical Datum of 1929 (levels by Georgia Department of Transportation).

REMARKS.--Records good. Flow regulated by Lake Sidney Lanier. (See "Lakes and Reservoirs in Apalachicola River Basin," station 02334400.) Diversions and return flows above station regulated by Gwinnett, DeKalb, and Cobb Counties, and by the city of Atlanta.

AVERAGE DISCHARGE.--14 years, 3,867 ft³/s (110 m³/s), 25.49 in/yr (647 mm/yr), unadjusted.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 37,500 ft³/s (1,060 m³/s) Apr. 14, 1979, gage height, 25.18 ft (7.675 m); minimum daily, 1,000 ft³/s (28.3 m³/s) July 1, 1970.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 37,500 ft³/s (1,060 m³/s) Apr. 14, gage height, 25.18 ft (7.675 m); minimum daily, 1,130 ft³/s (32.0 m³/s) Oct. 23.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1790	5810	1940	1440	2010	2220	1970	8250	12100	1590	2190	12500
2	1240	4810	2140	3120	1860	2100	1530	8080	7710	1390	2280	3900
3	2770	5860	1290	2380	1920	2400	7050	7980	4110	2080	2290	1950
4	3390	6790	2080	2140	1650	8830	13300	7990	4100	2670	2170	2470
5	3340	2240	5210	2160	1450	9570	13400	8530	5950	2410	1370	2990
6	3400	1200	2540	1850	1940	6530	11200	8230	5640	2570	1260	3030
7	3480	2520	2120	2050	5620	4840	9270	8050	5620	2490	1370	2960
8	1530	3960	1900	2490	3530	2410	6070	8190	5710	1480	2760	2500
9	1140	3840	2470	2260	2840	2250	4540	8300	5410	1620	3330	1550
10	2520	3760	2240	2110	2580	2110	8330	8110	2460	2480	3360	1480
11	3560	3450	1570	2130	1910	2200	8670	8050	1800	3040	4720	2570
12	3710	1580	1600	1890	1670	2040	8840	8860	4540	3050	3130	2680
13	3500	1190	1840	2720	1960	2870	24000	3860	4900	2870	1640	3550
14	3760	2070	1610	1970	2080	3090	36900	3550	4860	2790	1910	2520
15	1780	2910	1670	1710	2060	2300	25200	5540	4790	1560	1770	2980
16	1210	2630	1680	1870	2060	2340	11100	4360	4680	1350	2490	1590
17	3260	2670	1590	1890	2010	2170	9010	4340	2050	2830	2430	1460
18	3830	3960	1310	2040	1760	2060	9090	4220	1570	3150	1970	4460
19	4120	1900	1330	1910	1690	1680	9160	4400	2640	2570	1270	4120
20	4030	1270	1570	2840	2470	1940	10300	2590	2860	3400	1480	3170
21	3840	2360	1880	7620	3820	2030	9220	1910	2840	4820	2330	2740
22	1630	2750	1950	4650	3490	2070	7830	4300	2870	5070	2770	3680
23	1130	2540	1630	3160	4930	2210	8270	5140	2940	2950	3550	2050
24	3200	2620	1440	5060	10500	3210	8050	5530	1690	2160	3320	1780
25	4320	2360	1780	4080	10500	2230	8370	5130	1600	2850	3050	1630
26	4440	1490	1370	3100	7360	1740	11900	4610	1670	2380	3680	2060
27	6310	1550	1380	2400	5260	3400	12100	2220	1840	2130	3750	4480
28	6400	2370	1750	1990	3540	3900	9800	1750	1880	2130	4030	5070
29	1620	1690	1720	1700	---	3850	8650	4110	1780	1590	5340	9200
30	1150	2210	1780	2070	---	3820	8610	4390	1770	1420	4150	3150
31	4870	---	1710	2060	---	3800	---	6260	---	2130	3920	---
TOTAL	96270	86360	58090	80860	94470	98210	321730	176830	114380	77020	85080	100270
MEAN	3105	2879	1874	2608	3374	3168	10720	5704	3813	2485	2745	3342
MAX	6400	6790	5210	7620	10500	9570	36900	8860	12100	5070	5340	12500
MIN	1130	1190	1290	1440	1450	1680	1530	1750	1570	1350	1260	1460

CAL YR 1978 TOTAL 1293340 MEAN 3543 MAX 22800 MIN 1130 MEAN† 2977 CFSM† 1.45 IN† 19.68
WTR YR 1979 TOTAL 1389570 MEAN 3807 MAX 36900 MIN 1130 MEAN† 4085 CFSM† 1.98 IN† 26.88

† 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 TEMPERATURES: October 1975 to current year.

DISSOLVED OXYGEN: July 1976 to current year.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 192 micromhos Feb. 20, 1979; minimum, 33 micromhos July 7, 1976.

pH: Maximum, 7.0 units Feb. 1, 1977; minimum, 5.5 units Aug. 12, Sept. 13, 1978.

WATER TEMPERATURE: Maximum, 31.0°C Aug. 7, 1979; minimum, 3.0°C Jan. 18, 1977.

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, 192 micromhos Feb. 20; minimum, 37 micromhos Apr. 13.

pH: Maximum, 6.8 units Feb. 26, May 31, Sept. 29; minimum, 5.6 units Oct. 17.

WATER TEMPERATURE: Maximum, 31.0°C Aug. 7; minimum, 4.5°C Jan. 25, Feb. 7.

DISSOLVED OXYGEN: Maximum, 11.5 mg/L Jan. 26; minimum, 2.8 mg/L Aug. 7.

REMARKS.--Flow regulated by Lake Sidney Lanier. (See "Lakes and Reservoirs in Apalachicola River Basin," station 02334400.)

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE, AIR (DEG C)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
OCT							
18...	0930	3750	54	6.8	11.0	13.5	8.4
25...	0930	4710	52	6.2	--	15.0	8.5
31...	0900	4010	60	5.8	--	16.5	7.7
NOV							
14...	1230	2020	78	6.5	--	16.5	--
21...	1000	3130	73	6.9	11.0	14.5	8.1
DEC							
06...	1300	2990	72	6.7	--	11.0	9.1
19...	1000	1330	110	7.1	--	12.0	8.8
20...	1245	1700	101	7.0	18.5	12.0	9.0
JAN							
03...	1000	2450	82	7.0	--	8.5	10.1
17...	1020	1980	96	6.0	5.0	7.5	10.7
17...	1130	1930	92	6.5	--	7.5	10.8
31...	1045	2430	100	6.6	--	8.5	10.6
FEB							
22...	1100	3710	85	6.6	12.0	8.0	10.8
23...	0930	4960	84	6.6	--	9.0	9.9
MAR							
01...	0945	2310	99	6.3	--	9.0	9.6
13...	0945	3450	80	6.4	--	11.0	9.3
19...	1100	1650	98	6.5	16.5	13.0	8.4
27...	0920	3270	75	6.4	--	12.0	9.4
APR							
05...	0930	14200	49	6.1	--	14.0	8.4
17...	0930	9000	63	6.6	--	15.5	8.4
17...	1045	9400	62	6.4	20.0	15.5	8.4
MAY							
07...	0800	8830	47	6.1	--	13.0	9.4
14...	1000	3780	71	6.4	21.0	19.5	6.3
18...	0855	3770	68	6.5	--	16.5	7.8
JUN							
05...	0845	5860	67	6.5	--	20.5	6.6
12...	0900	4580	68	6.5	20.0	20.5	7.0
19...	1430	2330	74	6.4	--	23.5	6.3
26...	1100	1500	118	6.1	--	23.0	5.5
JUL							
10...	0930	2680	106	6.5	19.5	20.5	6.4
18...	0845	3270	58	6.9	--	20.0	8.0
AUG							
06...	0930	1250	98	6.8	--	27.0	5.0
14...	0945	1780	91	6.3	21.5	23.5	5.6
16...	0900	2030	94	6.5	--	24.0	5.9
25...	0645	3780	72	6.5	--	20.0	6.8
SEP							
01...	0950	13800	56	6.2	--	21.5	5.7
08...	0815	3090	73	6.6	--	20.0	7.1
18...	1050	4360	84	7.0	19.0	20.0	6.1

APALACHICOLA RIVER BASIN

02337170 CHATTAHOOCHEE RIVER NEAR FAIRBURN, GA.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TUR- BID- ITY (JTU)	TUR- BID- ITY (NTU)	OXYGEN DEMAND, CHEM- ICAL (LOW LEVEL) (MG/L)	OXYGEN DEMAND, CHEM- ICAL (HIGH 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)	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA)	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L AS MG)	SODIUM, TOTAL RECOV- ERABLE (MG/L AS NA)
OCT										
18...	8	--	18	--	2.8	70	--	--	--	--
25...	--	8.0	--	6	--	--	22	--	--	--
31...	--	17	--	6	--	--	870	--	--	--
NOV										
14...	--	15	--	8	--	--	400	--	--	--
21...	17	--	13	--	4.2	210	--	--	--	--
DEC										
06...	--	60	--	28	--	--	200	--	--	--
19...	--	2.0	--	37	--	--	47	--	--	--
20...	11	--	8	--	6.0	<30	--	--	--	--
JAN										
03...	--	30	--	11	--	--	320	5.3	1.4	6.1
17...	10	--	17	--	5.0	930	--	--	--	--
17...	--	7.0	--	6	--	--	K20	--	--	--
31...	--	12	--	31	--	--	K3	--	--	--
FEB										
22...	20	--	31	--	6.2	1500	--	--	--	--
23...	--	36	--	29	--	--	17000	--	--	--
MAR										
01...	--	30	--	--	--	--	100	--	--	--
13...	--	25	--	--	--	--	6700	4.5	1.6	6.3
19...	12	--	15	--	3.4	15000	--	--	--	--
27...	--	35	--	18	--	--	320	--	--	--
APR										
05...	--	150	--	25	--	--	7800	--	--	--
17...	--	55	--	24	--	--	7700	--	--	--
17...	80	--	18	--	2.5	23000	--	--	--	--
MAY										
07...	--	15	--	10	--	--	330	--	--	--
18...	--	20	--	34	--	--	7600	4.0	1.6	5.5
JUN										
05...	--	7.0	--	19	--	--	K6400	--	--	--
12...	24	--	12	--	3.2	4300	--	--	--	--
19...	--	15	--	18	--	--	2300	--	--	--
26...	--	20	--	24	--	--	1600	--	--	--
JUL										
10...	18	--	26	--	7.0	15000	--	--	--	--
18...	--	15	--	14	--	--	1300	--	--	--
AUG										
06...	--	15	--	16	--	--	--	3.6	1.8	8.0
14...	50	--	12	--	6.6	2300	--	--	--	--
16...	--	15	--	17	--	--	870	--	--	--
25...	--	30	--	38	--	--	K9300	--	--	--
SEP										
01...	--	150	--	43	--	--	7500	--	--	--
08...	--	20	--	0	--	--	1300	3.2	.8	5.6
18...	48	--	29	--	7.4	230000	--	--	--	--

02337170 CHATTAHOOCHEE RIVER NEAR FAIRBURN, GA.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	POTAS- SIUM, TOTAL RECOV- ERABLE (MG/L AS K)	ALKA- LINITY (MG/L AS CAC03)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SILICA, DIS- SOLVED (MG/L AS SI02)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER DAY)	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)
OCT										
18...	--	17	--	--	--	--	--	25	76	.60
25...	--	--	--	--	5.3	38	483	38	--	.46
31...	--	--	--	--	6.6	44	476	19	--	.55
NOV										
14...	--	--	--	--	6.4	52	284	30	--	.53
21...	--	17	--	--	--	--	--	38	86	.45
DEC										
06...	--	--	--	--	8.3	54	436	57	--	.48
19...	--	--	--	--	8.9	66	237	13	--	.61
20...	--	26	--	--	--	--	--	14	80	.50
JAN										
03...	2.4	--	--	--	8.0	52	344	44	--	1.4
17...	--	21	--	--	--	--	--	9	78	.50
17...	--	--	--	--	8.6	53	276	0	--	.50
31...	--	--	--	--	9.5	65	426	21	--	.48
FEB										
22...	--	21	--	--	--	--	--	30	92	.46
23...	--	--	--	--	--	62	830	54	--	.46
MAR										
01...	--	--	--	--	11	61	380	49	--	.60
13...	2.1	18	9.0	5.0	8.5	56	522	50	--	.44
19...	--	22	--	--	--	--	--	9	70	.60
27...	--	--	--	--	7.9	48	424	51	--	.48
APR										
05...	--	--	--	--	6.1	46	1760	130	--	.27
17...	--	--	--	--	8.6	52	1260	141	--	.38
17...	--	14	--	--	--	--	--	151	192	.36
MAY										
07...	--	--	--	--	5.7	31	739	80	--	.36
18...	1.9	8	6.9	4.4	7.5	50	509	50	--	.49
JUN										
05...	--	--	--	--	8.6	49	775	151	--	.50
12...	--	17	--	--	--	--	--	63	106	.64
19...	--	--	--	--	9.2	52	327	34	--	.69
26...	--	--	--	--	9.9	76	308	32	--	.96
JUL										
10...	--	23	--	--	--	--	--	55	110	.69
18...	--	--	--	--	6.8	36	318	48	--	.59
AUG										
06...	1.9	20	7.2	7.1	8.6	61	206	21	--	1.1
14...	--	19	--	--	--	--	--	73	132	.70
16...	--	--	--	--	8.6	58	318	49	--	.79
25...	--	--	--	--	7.5	49	500	78	--	.60
SEP										
01...	--	--	--	--	4.1	161	6000	640	--	.68
08...	1.9	10	4.6	4.3	8.0	48	400	56	--	.75
18...	--	20	--	--	--	--	--	129	200	.56

APALACHICOLA RIVER BASIN

02337170 CHATTAHOOCHEE RIVER NEAR FAIRBURN, GA.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	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)	OIL AND GREASE, TOTAL RECOV. GRAVI- METRIC (MG/L)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)
OCT										
18...	.40	.20	.60	1.2	.32	4.0	--	--	--	--
25...	.36	.48	.84	1.3	.23	1.6	--	.480	.000	1000
31...	.56	.84	1.4	2.0	.44	6.3	--	.000	.000	1400
NOV										
14...	.86	.84	1.7	2.2	.79	5.7	--	.000	.000	1200
21...	.65	.45	1.1	1.5	.43	3.0	--	--	--	--
DEC										
06...	.55	.55	1.1	1.6	.30	6.6	0	.530	.000	4200
19...	2.1	1.2	3.3	3.9	.99	8.9	0	.000	.000	1300
20...	1.6	.40	2.0	2.5	.63	4.0	--	--	--	--
JAN										
03...	--	--	--	--	.32	5.6	0	.000	.000	2300
17...	1.2	1.7	2.9	3.4	.48	3.0	--	--	--	--
17...	1.0	.60	1.6	2.1	.41	4.7	0	.000	.000	830
31...	1.5	.40	1.9	2.4	.59	6.0	0	.000	.000	30
FEB										
22...	.64	.76	1.4	1.9	.50	2.0	--	--	--	--
23...	.60	1.3	1.9	2.4	.47	9.7	0	.000	.000	3900
MAR										
01...	1.1	.90	2.0	2.6	.72	8.1	0	.000	.000	3200
13...	.67	.04	.71	1.2	.31	5.4	0	.000	.000	2300
19...	1.1	.50	1.6	2.2	.29	1.8	--	--	--	--
27...	.63	.77	1.4	1.9	.36	5.0	0	1.37	.000	2600
APP										
05...	.16	.66	.82	1.1	.21	6.9	0	2.13	.000	8500
17...	.41	.43	.84	1.2	.25	6.8	0	2.97	.000	7400
17...	.30	.72	1.0	1.4	.25	6.0	--	--	--	--
MAY										
07...	.18	.06	.24	.60	.12	1.7	1	.000	.000	3300
18...	.59	.61	1.2	1.7	.25	1.7	0	.000	.000	2000
JUN										
05...	.35	.75	1.1	1.6	.31	6.5	1	.000	.000	--
12...	.48	.42	.90	1.5	.35	2.0	--	--	--	--
19...	.62	.36	.98	1.7	.02	4.6	0	.000	.000	1600
26...	1.4	.80	2.2	3.2	.69	6.5	0	.000	.000	1700
JUL										
10...	1.1	.94	2.1	2.8	.86	2.0	--	--	--	--
18...	.49	.49	.98	1.6	.41	3.8	1	.000	.000	1800
AUG										
06...	.94	.76	1.7	2.8	.52	4.3	0	.000	.000	880
14...	1.0	.30	1.3	2.0	.36	3.0	--	--	--	--
16...	1.0	.80	1.8	2.6	.49	4.9	0	.000	.000	2000
25...	1.2	.70	1.9	2.5	.56	5.2	0	.000	.000	2300
SEP										
01...	.39	.91	1.3	2.0	.51	14	1	2.53	.000	20000
08...	.55	.65	1.2	2.0	.31	3.9	2	.000	.000	1800
18...	.58	.98	1.5	2.1	.51	11	--	--	--	--

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	114	61	55	40	108	81	97	86	108	84	102	87
2	111	96	54	47	150	70	96	75	113	89	108	100
3	106	56	57	41	150	98	91	76	104	87	107	87
4	80	55	54	38	150	84	99	90	106	93	99	70
5	77	55	82	52	83	63	103	80	102	95	56	55
6	78	54	102	84	150	73	110	85	118	94	65	56
7	71	54	110	58	103	84	111	107	100	67	82	63
8	103	62	73	50	150	100	---	---	91	71	101	84
9	104	96	72	51	149	88	99	83	97	77	105	94
10	109	56	63	54	93	81	101	88	100	74	111	98
11	76	52	68	53	101	92	95	81	100	90	107	92
12	75	52	105	61	123	99	104	93	98	93	93	85
13	77	53	101	92	112	98	113	79	105	93	100	78
14	82	54	100	74	125	99	94	85	99	87	94	73
15	97	58	82	57	113	100	95	87	105	83	112	88
16	103	92	84	54	121	98	112	93	110	86	100	76
17	95	54	81	59	117	94	101	96	118	86	109	83
18	60	49	98	60	106	94	103	83	112	92	103	84
19	58	48	99	60	116	98	116	89	105	92	99	91
20	64	54	102	92	118	100	117	74	192	102	107	91
21	64	54	100	73	111	100	77	58	129	97	113	84
22	100	62	91	57	100	80	78	60	100	77	111	84
23	104	98	79	61	111	82	86	67	98	77	112	84
24	106	57	77	51	103	81	92	69	86	55	121	73
25	67	53	78	54	101	74	77	68	67	56	99	78
26	63	53	81	72	86	78	82	71	66	57	102	89
27	57	41	109	90	108	86	95	80	76	66	107	63
28	60	39	101	71	98	85	106	89	86	69	72	58
29	99	59	111	88	97	88	98	90	---	---	68	57
30	106	92	119	77	98	86	96	87	---	---	71	58
31	108	40	---	---	97	85	108	87	---	---	72	57
MONTH	114	39	119	38	150	63	117	58	192	55	121	55
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	107	70	62	45	57	47	114	98	95	80	88	51
2	104	93	61	44	60	53	108	98	96	77	93	63
3	104	55	61	45	82	54	104	81	99	68	101	93
4	58	46	61	45	89	67	98	60	105	81	108	81
5	51	46	59	47	81	50	85	53	108	81	121	77
6	52	43	58	43	65	51	103	73	109	96	98	71
7	56	44	56	43	68	55	97	71	130	102	94	76
8	59	52	61	44	71	50	112	70	105	60	106	78
9	91	59	61	45	62	51	111	97	77	54	122	96
10	61	44	60	44	93	63	116	74	74	53	119	100
11	55	44	58	45	106	95	96	67	64	49	126	84
12	64	44	63	50	99	56	100	66	86	59	106	84
13	60	37	83	59	70	53	88	70	90	76	96	74
14	39	38	98	70	70	52	92	71	106	86	124	80
15	51	38	86	55	68	51	85	71	131	90	105	71
16	62	49	82	58	68	53	---	---	101	62	132	73
17	69	45	85	59	102	67	---	---	91	62	117	105
18	62	48	78	61	107	96	73	61	101	67	103	62
19	63	46	80	58	111	80	92	69	115	104	69	61
20	48	46	99	59	---	---	83	60	107	86	94	66
21	61	47	103	96	---	---	94	60	93	69	93	71
22	63	44	106	59	---	---	---	---	83	60	97	67
23	58	43	68	54	---	---	---	---	95	62	97	69
24	60	45	74	55	---	---	103	98	83	61	100	86
25	60	46	71	56	---	---	115	75	102	65	129	89
26	76	48	73	54	127	101	98	77	87	60	117	89
27	55	47	91	60	127	101	104	83	74	64	102	70
28	60	46	96	91	116	96	103	81	97	65	80	69
29	58	45	94	69	102	90	110	81	85	58	96	57
30	59	45	81	60	132	96	106	98	73	62	83	63
31	---	---	83	49	---	---	107	79	71	61	---	---
MONTH	107	37	106	43	132	47	116	53	131	49	132	51
YEAR	192	37										

02337170 CHATTAHOOCHEE RIVER NEAR FAIRBURN, GA.--Continued

PH (STANDARD UNITS), WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	6.0	5.7	5.8	5.8	6.1	6.0	6.0	5.9	6.6	6.5	6.6	6.5
2	6.0	5.7	5.9	5.8	6.1	5.9	6.0	5.7	6.6	6.5	6.6	6.5
3	6.0	5.9	5.8	5.7	6.0	6.0	6.0	5.7	6.6	6.5	6.6	6.6
4	5.9	5.8	5.8	5.7	6.0	5.9	6.0	6.0	6.6	6.5	6.6	6.5
5	5.9	5.8	5.9	5.8	6.0	5.8	6.0	6.0	6.7	6.6	6.4	6.4
6	5.9	5.8	6.0	5.9	5.9	5.9	6.1	6.0	6.7	6.6	6.4	6.4
7	5.9	5.8	6.0	5.8	6.0	6.0	6.1	6.1	6.6	6.5	6.5	6.4
8	5.9	5.9	5.8	5.8	6.1	6.0	---	---	6.6	6.5	6.6	6.5
9	5.9	5.8	5.8	5.8	6.1	6.0	6.0	6.0	6.7	6.6	6.6	6.6
10	5.9	5.7	5.8	5.8	6.0	6.0	6.1	6.0	6.7	6.6	6.6	6.6
11	5.8	5.7	5.8	5.8	6.1	6.0	6.1	6.0	6.7	6.6	6.6	6.6
12	5.8	5.7	5.8	5.8	6.1	6.0	6.1	6.0	6.7	6.6	6.6	6.6
13	5.9	5.7	5.8	5.7	6.1	6.0	6.1	6.0	6.7	6.6	6.6	6.5
14	5.9	5.8	5.9	5.7	6.1	6.0	6.0	6.0	6.7	6.6	6.6	6.6
15	5.8	5.8	5.9	5.8	6.0	6.0	6.0	6.0	6.6	6.5	6.6	6.5
16	5.9	5.8	5.9	5.8	6.0	6.0	6.0	5.9	6.6	6.6	6.6	6.5
17	5.8	5.6	5.9	5.8	6.0	5.9	6.1	5.9	6.7	6.6	6.6	6.5
18	5.8	5.7	5.9	5.7	5.9	5.9	6.1	6.1	6.7	6.6	6.6	6.5
19	5.9	5.8	5.8	5.7	5.9	5.8	6.2	6.1	6.7	6.6	6.7	6.5
20	5.9	5.8	5.8	5.7	6.1	5.8	6.2	6.0	6.7	6.6	6.7	6.6
21	5.9	5.8	5.9	5.7	6.1	6.0	6.2	6.0	6.6	6.6	6.6	6.5
22	6.0	5.9	5.9	5.8	6.0	6.0	6.3	6.2	6.6	6.4	6.5	6.5
23	6.0	5.9	5.9	5.8	6.0	5.9	6.4	6.2	6.6	6.4	6.5	6.5
24	5.9	5.7	5.9	5.8	6.0	5.9	6.5	6.2	6.5	6.3	6.4	6.3
25	5.8	5.7	5.9	5.8	6.0	5.9	6.5	6.3	6.4	6.3	6.5	6.4
26	5.8	5.8	5.9	5.8	5.9	5.9	6.6	6.5	6.8	6.3	6.5	6.4
27	5.9	5.7	6.0	5.8	6.1	5.9	6.5	6.5	6.5	6.4	6.4	6.3
28	5.8	5.7	6.0	6.0	6.1	6.0	6.5	6.4	6.5	6.5	6.5	6.3
29	5.9	5.8	6.0	6.0	6.1	6.0	6.5	6.5	---	---	6.6	6.6
30	5.9	5.9	6.1	6.0	6.1	6.0	6.5	6.4	---	---	6.7	6.6
31	5.9	5.7	---	---	6.1	6.0	6.6	6.4	---	---	6.6	6.6
MONTH	6.0	5.6	6.1	5.7	6.1	5.8	6.6	5.7	6.8	6.3	6.7	6.3
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	6.6	6.6	6.6	6.5	6.3	6.2	6.4	6.2	6.4	6.3	6.5	5.9
2	6.6	6.5	6.6	6.5	6.3	6.2	6.4	6.4	6.5	6.4	6.3	6.0
3	6.6	6.4	6.6	6.5	6.4	6.2	6.3	6.2	6.5	6.4	6.3	6.3
4	6.4	6.3	6.5	6.5	6.4	6.3	6.3	6.1	6.4	6.3	6.6	6.2
5	6.3	6.3	6.6	6.5	6.4	6.3	6.4	6.1	6.3	6.3	6.3	6.2
6	6.4	6.3	6.6	6.5	6.4	6.4	6.5	6.4	6.3	6.2	6.3	6.3
7	6.5	6.4	6.6	6.5	6.4	6.4	6.5	6.4	6.4	6.2	6.3	6.3
8	6.5	6.5	6.6	6.5	6.4	6.4	6.5	6.4	6.4	6.3	6.3	6.3
9	6.5	6.4	6.5	6.5	6.4	6.4	6.5	6.4	6.3	6.2	6.3	6.3
10	6.5	6.5	6.5	6.5	6.4	6.3	6.6	6.4	6.3	6.3	6.4	6.3
11	6.5	6.5	6.5	6.5	6.5	6.4	6.6	6.5	6.3	6.2	6.3	6.2
12	6.5	6.5	6.5	6.5	6.5	6.4	6.6	6.5	6.3	6.2	6.3	6.2
13	6.6	6.1	6.5	6.4	6.4	6.4	6.6	6.5	6.4	6.3	6.3	6.3
14	6.1	6.0	6.7	6.4	6.4	6.3	6.5	6.4	6.6	6.3	6.4	6.3
15	6.1	6.0	6.6	6.5	6.4	6.4	6.4	6.4	6.6	6.5	6.4	6.3
16	6.4	6.1	6.5	6.5	6.4	6.4	---	---	6.6	6.5	6.3	6.3
17	6.5	6.4	6.5	6.5	6.4	6.4	---	---	6.5	6.4	6.3	6.3
18	6.5	6.5	6.5	6.5	6.4	6.4	6.3	6.2	6.5	6.4	6.3	6.2
19	6.5	6.5	6.6	6.5	6.4	6.3	6.4	6.2	6.6	6.5	6.3	6.3
20	6.6	6.5	6.6	6.5	---	---	6.4	6.4	6.5	6.4	6.3	6.2
21	6.6	6.5	6.6	6.5	---	---	6.6	6.2	6.4	6.3	6.3	6.2
22	6.6	6.5	6.5	6.4	---	---	---	---	6.3	6.3	6.3	6.2
23	6.6	6.5	6.6	6.4	---	---	---	---	6.5	6.1	6.3	6.2
24	6.6	6.5	6.6	6.5	---	---	6.5	6.4	6.4	6.2	6.3	6.3
25	6.5	6.5	6.5	6.5	---	---	6.6	6.5	6.3	6.3	6.4	6.3
26	6.5	6.4	6.5	6.5	6.5	6.4	6.6	6.5	6.3	6.1	6.4	6.2
27	6.5	6.4	6.5	6.5	6.5	6.4	6.6	6.5	6.3	6.2	6.4	6.2
28	6.5	6.5	6.5	6.5	6.4	6.4	6.6	6.5	6.4	6.2	6.3	6.2
29	6.5	6.5	6.6	6.4	6.4	6.3	6.6	6.5	6.5	6.2	6.8	6.1
30	6.5	6.5	6.4	6.4	6.4	6.2	6.6	6.5	6.3	6.2	6.3	6.2
31	---	---	6.8	6.2	---	---	6.5	6.4	6.3	6.2	---	---
MONTH	6.6	6.0	6.8	6.2	6.5	6.2	6.6	6.1	6.6	6.1	6.8	5.9
YEAR	6.8	5.6										

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	19.0	15.5	16.5	16.0	15.0	13.5	12.5	11.0	7.5	6.5	11.5	9.0
2	21.5	18.5	17.0	15.0	14.0	12.5	12.5	9.5	7.0	6.5	13.0	10.5
3	21.5	17.0	16.5	15.5	15.0	14.0	9.5	8.0	7.0	6.5	13.5	12.5
4	18.5	16.0	16.0	14.5	15.5	15.0	9.0	6.5	9.0	7.5	13.5	13.5
5	18.5	16.0	17.0	15.5	15.0	12.5	8.0	7.0	8.5	8.0	13.5	13.0
6	18.0	15.0	18.5	15.5	12.5	11.5	9.0	7.5	8.0	6.0	13.0	12.5
7	16.5	14.5	18.5	13.0	13.0	12.0	9.0	9.0	6.5	4.5	12.5	11.5
8	17.5	15.0	15.5	13.5	15.0	13.0	---	---	6.5	5.0	11.5	11.5
9	19.0	16.0	16.0	14.0	15.5	12.5	9.5	7.5	7.0	6.0	12.0	10.0
10	19.0	14.5	16.5	14.5	12.5	10.5	9.5	7.5	7.5	5.5	12.0	11.0
11	17.0	14.5	17.0	15.0	11.0	10.0	9.5	7.5	8.0	6.0	11.5	10.0
12	17.0	14.5	17.5	14.5	11.0	9.0	10.0	8.0	9.0	7.0	12.0	9.5
13	17.5	15.5	18.0	16.0	10.0	8.0	9.0	7.5	9.0	8.0	12.5	11.0
14	17.5	15.0	17.5	16.0	10.0	9.5	9.0	7.5	10.5	8.5	13.0	11.5
15	16.5	14.5	17.5	14.0	10.5	9.0	8.0	6.5	12.5	10.0	13.0	12.0
16	17.0	15.0	18.0	15.0	11.0	10.0	8.0	7.0	13.0	11.5	12.5	11.5
17	17.0	12.5	18.5	15.5	10.5	9.5	9.5	7.0	12.0	9.0	12.5	12.0
18	14.5	13.0	18.0	16.5	10.5	8.5	10.5	9.5	9.0	5.0	13.5	12.5
19	15.0	13.5	16.0	15.5	12.5	10.5	11.0	9.5	7.5	4.5	16.0	12.5
20	16.5	14.0	17.0	15.5	13.0	11.5	10.0	7.5	7.0	6.0	17.0	15.0
21	16.0	14.5	16.5	14.5	14.0	13.0	7.5	7.0	8.0	6.5	18.5	17.0
22	18.0	14.5	16.0	13.0	13.0	11.5	7.0	6.5	9.0	8.0	18.5	16.0
23	19.0	16.5	16.5	14.0	11.5	10.5	9.0	7.0	10.0	9.0	17.5	16.0
24	19.0	14.5	16.5	14.5	11.0	10.5	9.5	5.5	11.0	10.5	17.5	13.5
25	16.5	15.5	16.0	14.0	10.5	9.5	6.5	4.5	11.0	10.5	13.5	12.5
26	16.5	15.0	15.0	14.0	10.5	9.0	6.5	5.5	10.5	8.0	14.0	11.0
27	17.0	15.5	16.0	15.0	10.5	9.0	7.5	6.5	8.0	7.5	13.5	11.5
28	16.5	15.0	16.0	14.0	10.0	9.0	8.0	7.0	9.0	7.0	13.0	11.0
29	18.5	16.0	14.5	13.5	9.5	9.0	8.0	6.5	---	---	14.0	12.0
30	19.5	17.5	14.5	13.5	9.5	8.5	9.5	7.5	---	---	14.5	13.0
31	19.0	14.0	---	---	11.0	9.0	8.5	7.0	---	---	14.5	13.0
MONTH	21.5	12.5	18.5	13.0	15.5	8.0	12.5	4.5	13.0	4.5	18.5	9.0
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	17.5	14.0	13.5	12.5	19.5	18.5	25.5	22.0	26.0	24.0	21.5	19.0
2	18.5	17.5	14.0	12.5	20.5	18.5	26.5	23.5	26.0	23.5	23.0	21.0
3	18.0	14.0	15.0	13.0	22.0	20.5	26.0	24.5	26.0	22.0	24.5	23.0
4	14.5	14.0	14.5	13.0	23.0	21.5	26.5	21.5	26.0	23.0	24.5	23.5
5	14.5	14.0	14.0	13.0	22.5	17.0	24.0	20.0	29.0	25.0	24.5	22.0
6	14.5	12.0	14.5	12.5	18.5	16.0	25.0	21.5	30.0	26.5	23.5	21.5
7	13.0	11.5	14.5	12.5	16.5	15.5	22.0	19.5	31.0	28.5	22.0	20.0
8	13.0	12.0	14.5	13.0	18.0	16.0	22.5	20.0	29.0	21.5	22.5	20.0
9	15.5	12.5	14.5	13.0	18.0	16.5	21.5	21.0	22.0	21.0	24.0	21.5
10	14.5	11.0	15.0	13.0	21.0	17.0	21.5	19.0	21.5	20.0	24.0	21.5
11	13.0	11.5	15.5	13.5	23.5	21.0	19.5	16.5	20.0	17.0	23.0	20.5
12	13.5	11.5	16.0	14.5	22.5	16.5	21.0	17.0	23.0	18.5	20.5	19.0
13	15.0	14.0	19.5	16.0	18.0	16.0	22.0	19.5	25.0	23.0	19.5	18.5
14	15.5	14.5	20.5	19.0	18.0	16.0	23.0	20.0	25.0	23.5	22.0	18.5
15	15.5	15.0	21.0	16.0	18.0	16.0	24.0	22.0	25.0	23.5	21.0	19.0
16	16.0	15.0	18.0	16.0	17.5	15.5	---	---	24.0	20.5	21.5	19.0
17	16.0	12.5	17.5	16.5	21.0	16.0	---	---	21.5	19.5	20.5	20.0
18	13.0	12.0	18.0	16.5	25.0	21.0	22.5	19.5	22.5	20.0	20.5	18.5
19	13.0	12.0	17.5	16.0	24.5	23.0	23.0	21.0	27.0	22.5	18.5	17.0
20	12.5	11.5	20.0	16.0	---	---	23.5	19.5	27.5	24.5	18.5	18.0
21	14.0	12.0	23.0	20.0	---	---	22.5	20.5	26.0	23.5	20.0	18.5
22	14.0	12.5	22.5	17.0	---	---	---	---	25.0	20.0	21.0	18.5
23	13.5	12.5	17.0	15.5	---	---	---	---	23.0	20.5	19.5	18.5
24	14.0	12.5	17.0	15.5	---	---	26.0	25.0	22.5	19.5	19.0	18.5
25	14.0	12.5	16.0	14.0	---	---	26.0	23.0	22.0	19.0	20.0	19.0
26	14.5	13.0	15.0	13.5	23.5	21.5	23.5	22.0	22.5	21.0	20.0	19.0
27	15.0	13.5	16.5	14.0	23.5	21.5	24.0	22.0	24.0	22.0	19.5	18.0
28	14.5	13.0	19.5	16.5	23.5	21.0	24.5	22.0	24.5	19.5	19.5	18.5
29	13.5	12.0	19.0	17.5	24.0	21.5	27.0	23.0	21.0	19.5	20.0	19.0
30	13.0	11.5	18.5	17.0	26.0	22.5	28.0	25.5	20.5	19.0	21.0	19.5
31	---	---	19.5	17.0	---	---	28.5	26.5	20.0	18.5	---	---
MONTH	18.5	11.0	23.0	12.5	26.0	15.5	28.5	16.5	31.0	17.0	24.5	17.0
YEAR	31.0	4.5										

02337170 CHATTAHOOCHEE RIVER NEAR FAIRBURN, GA.--Continued

OXYGEN, DISSOLVED (DO), MG/L, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	8.9	6.2	8.4	7.6	8.4	7.3	8.9	8.2	11.0	10.1	9.9	9.1
2	6.3	6.0	8.4	7.7	8.8	7.5	9.3	7.5	11.0	10.4	9.2	8.6
3	8.4	5.3	8.4	7.7	7.5	7.2	10.2	9.4	11.1	10.4	9.1	8.3
4	8.5	7.2	8.7	7.9	7.4	6.6	11.3	10.0	10.4	9.8	8.4	8.1
5	8.6	7.2	8.2	7.0	8.7	6.7	11.3	10.4	9.9	9.6	9.4	9.3
6	8.8	7.4	7.0	6.2	9.3	8.4	10.9	9.7	10.3	9.5	9.5	9.3
7	8.9	8.0	8.7	6.2	9.3	8.5	9.7	9.6	10.8	10.1	9.6	9.1
8	8.7	6.6	8.5	7.4	8.8	8.4	---	---	11.0	10.6	9.1	8.7
9	6.9	6.2	8.4	7.2	8.7	7.9	10.4	9.7	11.0	10.4	9.3	8.7
10	9.0	6.1	8.1	7.2	9.3	8.8	10.7	9.6	11.1	10.3	8.9	8.8
11	8.8	7.5	8.1	6.9	10.0	9.6	10.9	9.9	10.7	10.0	9.1	8.6
12	8.7	7.7	8.0	5.9	10.3	9.6	10.2	9.7	10.3	9.8	9.6	8.9
13	8.3	7.1	6.4	6.1	11.1	10.1	10.3	9.6	10.1	9.7	9.5	8.9
14	8.2	6.4	8.2	6.4	10.3	9.7	10.1	9.7	10.3	9.5	9.4	8.8
15	8.2	6.6	9.1	7.0	10.5	9.5	10.4	9.9	10.1	8.8	8.8	8.4
16	6.7	6.4	8.5	6.7	10.2	9.3	10.7	10.0	9.4	8.7	9.5	8.7
17	9.0	6.1	8.3	6.6	10.0	9.4	10.8	9.9	9.8	8.7	9.4	8.7
18	8.7	8.3	7.7	5.7	9.8	9.5	10.2	9.2	10.9	9.6	8.9	8.5
19	8.7	8.1	7.7	6.7	9.4	8.7	9.6	9.0	11.3	10.8	8.5	7.5
20	8.5	7.9	7.0	6.5	9.3	8.5	9.9	8.7	11.4	10.9	8.1	7.2
21	8.6	8.0	8.2	6.8	8.6	7.8	10.6	9.7	11.4	10.6	7.8	7.1
22	8.4	6.4	8.9	7.2	9.2	7.7	10.9	10.4	10.9	10.3	7.8	6.9
23	6.6	5.8	8.8	7.0	9.4	8.2	10.5	10.2	10.4	9.9	8.0	6.3
24	8.5	5.9	8.7	7.1	9.3	7.4	---	---	9.9	9.5	8.2	6.1
25	8.3	7.8	8.6	7.3	9.5	8.4	11.4	11.1	9.9	9.6	8.8	8.2
26	8.2	7.8	8.2	7.2	9.4	9.0	11.5	11.1	10.3	9.7	8.8	8.1
27	8.4	7.7	7.4	6.7	9.1	8.8	11.0	10.2	10.7	10.3	9.8	8.2
28	8.6	7.6	8.2	6.8	9.6	9.0	10.4	10.1	10.6	10.0	10.0	9.5
29	7.5	6.2	8.2	7.3	9.7	9.3	10.3	9.4	---	---	10.0	9.3
30	6.3	5.8	8.3	6.6	10.0	9.3	---	---	---	---	9.7	8.9
31	8.7	7.7	---	---	9.8	8.9	10.7	10.4	---	---	9.7	8.7
MONTH	9.0	5.3	9.1	5.7	11.1	6.6	11.5	7.5	11.4	8.7	10.0	6.1
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	9.1	7.1	10.0	9.1	7.8	6.6	5.7	5.2	6.1	5.4	7.4	5.7
2	7.4	6.9	10.0	9.2	7.6	7.2	5.5	5.2	6.2	5.5	6.1	5.6
3	8.6	6.9	9.8	9.1	7.3	6.3	6.3	4.8	6.8	5.1	5.6	5.4
4	8.8	8.3	9.8	9.0	6.3	5.8	7.3	5.1	6.3	5.1	5.8	5.1
5	9.0	8.5	9.8	9.0	8.4	6.3	8.0	6.1	6.0	4.3	6.4	5.3
6	10.0	9.0	9.8	9.0	8.5	7.6	6.9	5.7	4.7	3.8	6.6	5.7
7	10.2	9.3	9.9	9.2	8.8	8.0	7.3	6.5	3.9	2.8	7.2	6.0
8	9.6	9.2	9.7	9.0	8.6	7.4	7.3	5.6	7.0	3.9	7.1	5.6
9	9.3	7.2	9.7	8.9	8.6	7.8	6.1	5.9	7.5	6.7	6.2	5.1
10	10.1	8.7	9.7	8.9	8.1	6.3	7.0	5.8	7.5	6.6	5.6	5.2
11	10.1	9.4	9.6	8.8	6.3	5.6	7.9	6.7	7.8	7.3	6.9	5.3
12	10.1	8.6	9.1	8.1	8.3	5.8	8.0	6.2	7.5	5.0	7.5	6.5
13	8.6	8.3	8.4	5.9	8.5	7.9	7.5	6.5	5.8	5.4	7.3	6.9
14	8.5	8.3	6.7	5.3	8.5	7.9	7.2	6.2	5.7	5.2	7.0	5.0
15	8.3	8.1	8.7	6.4	8.6	8.0	6.6	6.1	5.6	5.1	7.0	5.5
16	8.5	8.0	8.4	7.5	8.6	8.1	---	---	7.1	5.5	7.0	5.3
17	10.0	8.1	8.4	7.7	8.3	6.1	---	---	7.4	6.4	6.0	5.6
18	10.0	9.4	8.2	7.7	6.2	5.0	7.5	6.6	7.4	5.7	7.2	5.8
19	10.1	9.3	8.4	7.7	6.5	5.1	7.0	5.7	5.7	4.7	7.5	6.9
20	10.1	9.9	8.5	6.2	---	---	7.6	6.4	5.4	4.7	7.4	6.8
21	9.9	9.3	6.3	5.6	---	---	6.8	5.5	6.4	4.9	7.1	6.4
22	10.0	9.0	8.2	5.7	---	---	---	---	7.1	5.5	7.0	4.7
23	10.1	9.3	8.5	7.8	---	---	---	---	6.8	5.4	7.0	6.0
24	9.9	9.1	8.5	7.4	---	---	5.2	4.7	7.0	5.7	6.5	6.1
25	9.8	9.2	8.5	7.8	---	---	6.4	4.1	6.8	5.4	6.4	5.6
26	9.1	8.2	9.0	8.4	5.9	5.5	6.4	5.7	6.5	5.3	6.6	6.0
27	9.4	8.4	8.8	7.0	6.2	5.5	6.5	5.8	6.1	4.7	6.9	5.7
28	9.7	8.9	7.1	6.4	6.4	6.0	6.5	5.8	7.0	5.2	6.9	6.1
29	10.0	9.2	7.5	6.4	6.5	5.6	6.4	4.9	7.0	5.2	7.1	6.4
30	10.1	9.5	7.7	6.5	6.0	4.1	5.1	4.5	7.3	6.5	6.9	6.2
31	---	---	7.6	6.5	---	---	5.5	4.4	7.4	6.7	---	---
MONTH	10.2	6.9	10.0	5.3	8.8	4.1	8.0	4.1	7.8	2.8	7.5	4.7
YEAR	11.5	2.8										

02337438 DOG RIVER NEAR FAIRPLAY, GA.

LOCATION.--Lat 33°37'20", long 84°47'35", Douglas County, Hydrologic Unit 03130002, at bridge on State Highway 166, 2.3 mi (3.7 km) upstream from mouth, and 4.2 mi (6.8 km) east of Fairplay.

PERIOD OF RECORD.--July 1974 to June 1979 (discontinued).

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	PH (UNITS)	TEMPER- ATURE, AIR (DEG C)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)				
OCT 18...	0730	17	7.5	6.0	9.0	9.4				
NOV 15...	1215	125	7.1	24.0	16.0	9.6				
DEC 04...	1215	47	6.8	14.5	14.0	9.8				
JAN 17...	1035	63	6.6	8.0	4.0	9.1				
FEB 14...	1130	47	7.0	11.0	6.5	12.0				
MAR 14...	0930	85	6.8	16.0	12.5	10.4				
APR 23...	1000	232	7.1	24.0	17.0	10.4				
MAY 17...	0900	125	7.1	22.5	17.5	9.4				

DATE	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	TUR- BID- ITY (JTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LINITY AS CAC03)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDEED (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 18...	34	10	1.2	40	16	4	.04	<.02	<.02	2.0
NOV 15...	34	11	.3	90	13	5	.02	<.02	<.02	1.0
DEC 04...	31	36	1.4	4300	11	12	.07	<.02	.04	7.0
JAN 17...	46	4	.4	<30	7	3	.17	.05	--	1.0
FEB 14...	38	5	.6	40	7	3	.20	<.02	<.02	<1.0
MAR 14...	32	9	.3	40	7	10	.18	<.02	<.02	1.5
APR 23...	26	14	.4	90	8	9	.12	<.02	<.02	<1.0
MAY 17...	27	5	.4	430	8	9	.16	<.02	<.02	<5.0

APALACHICOLA RIVER BASIN

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 (2.4 km) north of State Highway 16, 3 mi (4.8 km) northwest of Whitesburg, 4 mi (6.4 mi) downstream from Little Snake Creek, and 7 mi (11.3 km) upstream from mouth.

DRAINAGE AREA.--37 mi² (96 km²), approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--September 1954 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 850 ft (259 m), from topographic map.

REMARKS.--Records good except those for periods of no gage-height record, April 13 and July 30 to Sept. 11, which are poor.

AVERAGE DISCHARGE.--25 years, 58.2 ft³/s (1.65 m³/s), 21.36 in/yr (543 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 7,690 ft³/s (218 m³/s) Feb. 25, 1961, gage height, 14.40 ft (4.389 m); minimum, 2.3 ft³/s (0.065 m³/s) Oct. 7, 1954, gage height, 1.56 ft (0.475 m).

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 1,000 ft³/s (28.3 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)	Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
Mar. 4	0515	1580 44.7	6.58 2.006	Apr. 13	unknown	*unknown	unknown
Apr. 4	0930	1840 52.1	7.15 2.179				

Minimum discharge, 15 ft³/s (0.42 m³/s) Oct. 22-25.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	19	16	22	24	37	70	52	85	139	34	22	23
2	19	16	20	50	35	62	51	81	97	32	21	22
3	18	16	20	37	35	67	650	79	85	31	20	22
4	18	15	61	31	35	675	630	79	80	31	20	21
5	17	16	89	29	33	205	220	81	73	29	19	20
6	17	16	40	29	45	116	126	81	69	30	18	19
7	16	17	31	62	97	93	97	79	67	31	18	19
8	16	18	28	57	69	85	91	77	63	33	17	19
9	16	17	35	42	57	78	108	77	61	44	17	19
10	16	17	31	37	51	73	86	76	58	47	17	18
11	16	17	27	33	47	72	77	74	55	40	25	18
12	16	17	25	36	45	65	254	85	51	42	45	18
13	17	17	24	43	43	62	1800	84	49	36	30	26
14	17	17	23	39	41	62	380	79	47	34	24	33
15	16	17	23	34	40	59	232	73	45	31	22	22
16	16	17	23	32	38	57	148	69	45	29	21	20
17	15	18	23	31	36	55	123	67	45	28	19	33
18	15	25	22	31	46	55	112	67	42	27	18	67
19	15	19	22	29	41	54	106	65	40	28	17	43
20	15	18	22	165	48	53	99	64	39	29	17	31
21	15	18	25	147	88	53	92	63	40	39	16	33
22	15	18	23	76	85	52	88	62	40	52	17	39
23	15	18	22	61	92	68	86	67	38	37	17	31
24	15	18	24	130	316	65	83	74	43	32	16	29
25	15	17	24	76	159	57	128	64	45	32	18	28
26	16	17	22	61	105	54	216	61	41	32	35	27
27	16	25	22	54	86	52	143	59	38	30	60	69
28	16	23	22	48	75	51	108	62	37	27	45	99
29	15	22	21	44	---	50	97	75	37	26	35	107
30	16	26	23	41	---	50	92	71	36	25	29	63
31	15	---	24	40	---	51	---	127	---	23	25	---
TOTAL	499	548	863	1649	1925	2721	6575	2307	1645	1021	740	1038
MFAN	16.1	18.3	27.8	53.2	68.8	87.8	219	74.4	54.8	32.9	23.9	34.6
MAX	19	26	89	165	316	675	1800	127	139	52	60	107
MIN	15	15	20	24	33	50	51	59	36	23	16	18
CFSM	.44	.50	.75	1.44	1.86	2.37	5.92	2.01	1.48	.89	.65	.94
IN.	.50	.55	.87	1.66	1.94	2.74	6.61	2.32	1.65	1.03	.74	1.04
CAL YR 1978	TOTAL	17192	MEAN 47.1	MAX 1210	MIN 15	CFSM 1.27	IN 17.28					
WTR YR 1979	TOTAL	21531	MEAN 59.0	MAX 1800	MIN 15	CFSM 1.60	IN 21.65					

APALACHICOLA RIVER BASIN

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02337500 SNAKE CREEK NEAR WHITESBURG, GA.--Continued

WATER-QUALITY RECORDS

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
MAY 14...	0730	79	32	6.3	16.0	9.3
AUG 13...	0730	20	31	6.3	20.0	8.1

DATE	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	HARD- NESS (MG/L AS CAC03)	HARD- NESS, NONCAR- BONATE (MG/L CAC03)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LINITY AS CAC03)	CARBON DIOXIDE DIS- SOLVED (MG/L AS C02)
MAY 14...	20	6.0	7	0	1.5	.7	2.1	.7	8	--
AUG 13...	5	25	6	0	1.4	.6	2.3	1.1	13	13

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)	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,NH4 + ORG. SUSP. TOTAL (MG/L AS N)
MAY 14...	.7	2.3	.0	9.5	32	.14	.00	.15	.15	.01
AUG 13...	1.9	2.0	.1	9.2	38	.10	.00	.27	.27	.00

DATE	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- PHATE, TOTAL (MG/L AS PO4)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	ALUM- INUM, DIS- SOLVED (UG/L AS AL)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC DIS- SOLVED (UG/L AS AS)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)
MAY 14...	.14	.29	.02	.06	.00	30	2	1	0	20
AUG 13...	--	.37	.04	--	.04	60	1	1	1	<10

DATE	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)	CARBON, ORGANIC TOTAL (MG/L AS C)
MAY 14...	1	10	5	0	20	<.5	<.5	0	0	1.7
AUG 13...	3	180	2	2	20	<.5	<.5	0	8	5.1

APALACHICOLA RIVER BASIN

02338000 CHATTAHOOCHEE RIVER NEAR WHITESBURG, GA.

LOCATION.--Lat 33°28'37", long 84°54'04", Carroll-Coweta County line, Hydrologic Unit 03130002, at downstream end of right bank pier of bridge on State Highway 16, 0.5 mi (0.8 km) upstream from Central of Georgia Railroad bridge, 1.2 mi (1.9 km) south-east of Whitesburg, 1.5 mi (2.4 km) downstream from Cedar Creek, 2.0 mi (3.2 km) downstream from Snake Creek, and at mile 259.8 (418.0 km).

DRAINAGE AREA.--2,430 mi² (6,290 km²), 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 (207.892 m) National Geodetic Vertical Datum of 1929. Prior to May 1, 1949, nonrecording gage at site 1.0 mi (1.6 km) upstream at datum 2.00 ft (0.61 m) higher. May 1, 1949, to June 30, 1954, nonrecording gage at present site at datum 2.00 ft (0.61 m) higher.

REMARKS.--Records good except those for periods of doubtful gage-height record, Oct. 8-19, June 18, 19, June 24 to July 10, and July 13-16, which are fair. Flow regulated by Lake Sidney Lanier since January 1956. (See "Lakes and Reservoirs in Apalachicola River Basin," station 02334400.) Diversions and return flows above station regulated by Gwinnett, DeKalb, and Cobb Counties, and by the city of Atlanta.

AVERAGE DISCHARGE.--29 years, 4,065 ft³/s (115 m³/s), 22.72 in/yr (577 mm/yr), unadjusted.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 59,000 ft³/s (1,670 m³/s) Jan. 10, 1946, gage height, 25.1 ft (7.65 m), site and datum then in use, from graph based on gage readings, from rating extended above 30,000 ft³/s (850 m³/s) on basis of velocity-area and channel-capacity studies; minimum daily, 468 ft³/s (13.3 m³/s) Oct. 26, 1941.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 42,600 ft³/s (1,210 m³/s) Apr. 14, gage height, 23.79 ft (6.66 m); minimum daily, 1,280 ft³/s (36.2 m³/s) Oct. 9.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3010	5800	2140	1720	2450	3090	2910	8760	14600	1900	2550	10400
2	1410	5110	2490	2990	2160	2700	2000	8560	9260	1650	2470	8170
3	2020	5460	1650	3180	2320	3000	7810	8550	5610	1900	2700	2300
4	3360	6710	1660	2550	2080	11400	16900	8450	4550	2500	2320	2780
5	3440	4000	6010	2580	1850	14100	19500	9020	5720	3000	1880	2820
6	3440	1520	3370	2230	1940	8130	13000	8730	6030	2600	1450	3190
7	3610	1740	2610	2180	5780	6300	10800	8620	5970	2200	1430	3330
8	2200	3750	2100	3050	4900	3590	7430	8580	6130	1700	2370	3070
9	1280	4030	2220	2750	3370	3000	5790	8570	5920	1600	3440	2130
10	2100	3850	3180	2390	3150	2780	8030	8520	3830	2300	3530	1600
11	3500	3750	1920	2540	2450	2770	9420	8420	2000	3300	4680	2230
12	3900	2640	1790	2220	2110	2740	9250	9310	3850	3430	4440	2910
13	3700	1350	2030	3040	2240	3100	24800	5510	5150	3270	2130	3450
14	3900	1790	1870	2600	2440	3590	41800	4200	5150	3100	2040	3520
15	2300	2880	1900	2130	2510	3030	38300	5010	5060	1800	2030	2920
16	1350	2930	1880	2120	2420	2960	23300	5040	5070	1400	2340	2480
17	3000	2730	1850	2270	2360	2620	9760	4570	3580	2000	2760	1700
18	4200	3790	1600	2360	2190	2610	10300	4580	1800	3670	2620	4300
19	4200	2770	1540	2260	2120	2230	9560	4530	2600	3040	1560	4600
20	4080	1500	1720	2420	2650	2330	11100	3970	3000	3270	1440	4000
21	4050	2240	1880	8900	4500	2500	10800	2100	3240	4960	2350	3000
22	2450	2810	2420	6360	4500	2570	8330	3100	3100	6060	2890	4000
23	1290	2830	1820	4090	5880	2640	8700	5310	3220	3890	3420	3000
24	2360	2720	1780	5140	12800	3580	8560	6030	2100	2720	4170	2100
25	4230	2510	2040	5360	14900	2990	8820	5770	1700	3010	3410	1800
26	4330	2010	1730	3920	9290	2300	12400	5130	1700	3000	4380	2100
27	5880	1520	1600	3180	6520	2990	15400	3760	2050	2360	4840	4800
28	6570	2540	1850	2560	4740	4450	11300	2300	2050	2450	3880	6000
29	3130	2150	1980	2130	---	4210	9620	3000	2000	2100	5460	9800
30	1320	2310	2010	2420	---	4270	9270	5450	1950	1690	4760	6000
31	3150	---	2090	2380	---	4240	---	5500	---	2030	4280	---
TOTAL	98760	91740	66730	96020	116620	122810	384960	188950	127990	83900	94020	114500
MEAN	3186	3058	2153	3097	4165	3962	12830	6095	4266	2706	3033	3817
MAX	6570	6710	6010	8900	14900	14100	41800	9310	14600	6060	5460	10400
MIN	1280	1350	1540	1720	1850	2230	2000	2100	1700	1400	1430	1600

CAL YR 1978 TOTAL 1471590 MEAN 4032 MAX 30400 MIN 1280 MEAN† 3466 CFSM† 1.43 IN† 19.41
WTR YR 1979 TOTAL 1587000 MEAN 4348 MAX 41800 MIN 1280 MEAN† 4626 CFSM† 1.90 IN† 25.79

† 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 current year.

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

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURES: Maximum, 30.0°C Aug. 8, 1979; minimum, 4.5°C Feb. 8, 1979.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURES: Maximum, 30.0°C Aug. 8; minimum, 4.5°C Feb. 8.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	PH (UNITS)	TEMPER- ATURE, AIR (DEG C)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
OCT						
18...	0635	4190	7.2	5.0	12.0	7.5
NOV						
14...	0830	1480	6.6	17.0	16.5	7.6
DEC						
13...	1545	2250	6.7	16.0	11.0	8.2
JAN						
18...	1045	2410	6.9	12.0	8.0	10.8
FEB						
13...	0945	2170	6.9	2.5	7.0	10.0
MAR						
15...	1055	2980	6.8	14.0	12.0	7.9
APR						
24...	0800	7350	6.9	21.0	14.5	10.2
MAY						
17...	0805	4400	7.0	19.0	17.0	8.2
JUN						
20...	0745	3070	6.8	23.0	22.5	6.6
JUL						
17...	0910	1670	6.8	26.0	25.5	7.0
AUG						
22...	1520	3260	6.9	30.0	25.0	6.7
SEP						
18...	1415	4730	6.8	21.5	20.0	5.9

DATE	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	TUR- BID- ITY (JTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LINITY (MG/L AS CAC03)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDE (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)
OCT											
18...	64	7	3.2	4300	19	38	100	.87	.40	.42	4.0
NOV											
14...	86	8	2.8	840	18	9	54	1.0	.70	.29	5.0
DEC											
13...	98	12	5.0	430	23	21	88	.70	1.2	.79	2.0
JAN											
18...	81	10	3.2	230	18	17	64	.59	.83	.34	3.0
FEB											
13...	78	12	2.2	40	18	12	70	.76	.76	.22	3.0
MAR											
15...	66	11	2.0	930	15	33	68	.52	.31	.19	3.0
APR											
24...	42	14	2.0	7500	13	46	48	.39	.13	.14	<1.0
MAY											
17...	50	19	1.8	3900	14	73	76	.54	.13	.17	<5.0
JUN											
20...	75	15	2.4	2300	16	33	76	.94	.30	.35	3.0
JUL											
17...	79	13	2.4	230	18	22	79	1.0	.39	.32	1.0
AUG											
22...	56	26	3.6	1900	16	42	84	.90	.31	.43	<1.0
SEP											
18...	79	34	5.0	2300	18	132	172	1.0	.64	.48	13

02338000 CHATTAHOOCHEE RIVER NEAR WHITESBURG, GA.--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

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

02338500 CHATTAHOOCHEE RIVER AT FRANKLIN, GA.

LOCATION.--Lat 33°16'45", long 85°06'00", Heard County, Hydrologic Unit 03130002, at bridge on U.S. Highway 27 at Franklin.
DRAINAGE AREA.--2,680 mi² (6,940 km²), 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, Air Temperature, Water Temperature, pH, and Dissolved Oxygen by U.S. Geological Survey. Records of discharge for the calendar years 1928-31 and 1938-39 are published in reports of the Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	PH (UNITS)	TEMPER- ATURE, AIR (DEG C)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
OCT					
17...	1505	7.0	21.0	16.0	8.5
NOV					
14...	0930	6.7	20.0	17.0	9.1
DEC					
13...	1445	6.7	16.0	10.5	9.6
JAN					
18...	1200	6.2	13.5	9.5	11.0
FEB					
13...	1035	6.9	7.5	9.0	9.7
MAR					
13...	0840	6.9	7.0	11.0	9.2
APR					
24...	0915	6.8	21.5	15.0	10.0
MAY					
16...	0730	7.1	17.5	21.0	7.8
JUN					
19...	0700	6.8	21.0	22.0	7.7
JUL					
17...	1300	7.0	34.0	27.5	6.6
AUG					
22...	1400	6.9	32.0	28.5	6.2
SEP					
18...	1310	6.8	21.0	22.0	5.8

DATE	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	TUR- BID- ITY (JTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LINITY (MG/L AS CAC03)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDE (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)
OCT											
17...	77	8	1.4	<30	18	18	66	.96	.08	.18	2.0
NOV											
14...	63	9	.8	40	15	10	42	.80	.09	.17	2.0
DEC											
13...	88	11	2.1	430	18	12	72	.78	.62	.44	1.0
JAN											
18...	88	11	2.6	230	16	16	66	.80	.64	.30	2.0
FEB											
13...	81	13	1.8	150	15	15	68	.73	.42	.16	1.0
MAR											
13...	85	15	2.2	1500	18	21	78	.80	.33	.24	3.0
APR											
24...	40	15	.9	430	11	53	56	.43	.14	.16	<1.0
MAY											
16...	62	48	2.9	4300	15	112	200	.87	.20	.34	<5.0
JUN											
19...	90	12	.9	90	14	12	64	.82	.07	.11	3.0
JUL											
17...	76	11	.7	70	15	12	66	.98	.06	.22	1.0
AUG											
22...	64	16	1.5	150	16	17	60	1.3	.27	.29	<1.0
SEP											
18...	73	24	1.6	15000	19	41	96	1.1	.34	.19	5.0

APALACHICOLA RIVER BASIN

02338660 NEW RIVER NEAR CORINTH, GA.

LOCATION.--Lat 33°14'07", Long 84°59'16", Heard County, Hydrologic Unit 03130002, at bridge on State Highway 100, 1.7 mi (2.7 km) downstream of Caney Creek, 2.5 mi (4.0 km) west of Corinth, 3.9 mi (6.3 km) downstream of Mountain Creek, and 8.1 mi (13.0 km) upstream of Chattahoochee River.

DRAINAGE AREA.--127 mi² (329 km²).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1978 to current year.

GAGE.--Water-stage recorder. Datum of gage is 634.68 ft (193,450 m) National Geodetic Vertical Datum of 1929.

REMARKS.--Records good.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 13.92 ft (4.243 m) April 14, 1979 (discharge not determined); minimum discharge, 10 ft³/s (0.28 m³/s) Oct. 11-13, 1978.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 1,800 ft³/s (51.0 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)	Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
Feb. 25	0200	4010 114	11.10 3.383	Apr. 9	2000	3430 97.1	10.62 3.237
Mar. 5	0500	2240 63.4	9.55 2.911	Apr. 14	0700	*unknown	13.92 4.243
Apr. 5	0500	2620 74.2	9.93 3.027				

Minimum discharge, 10 ft³/s (0.28 m³/s) Oct. 11-13.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15	16	59	79	107	329	105	209	122	49	46	48
2	16	16	48	254	98	272	102	180	135	42	47	42
3	15	17	42	288	98	258	249	170	109	38	48	38
4	14	17	85	146	113	916	928	160	170	36	42	37
5	13	17	503	112	103	1730	1790	155	120	33	37	34
6	12	17	449	101	123	625	554	155	98	34	35	31
7	11	19	154	112	519	403	361	150	98	37	32	29
8	11	25	101	139	603	326	293	140	88	36	30	27
9	11	29	102	101	331	281	1900	150	79	48	28	26
10	11	26	137	85	217	248	1290	170	72	97	27	24
11	10	24	100	81	169	278	490	156	67	84	26	22
12	10	23	79	88	148	251	391	181	59	66	26	22
13	11	23	69	194	135	214	2780	154	57	72	25	24
14	19	23	63	178	122	202	5960	156	52	59	24	43
15	21	23	59	120	117	209	1100	127	51	48	22	43
16	17	24	57	100	111	164	547	111	49	43	22	32
17	15	26	59	93	104	145	410	102	50	38	21	146
18	14	67	55	89	127	143	346	95	47	35	20	600
19	14	70	53	85	166	139	312	92	45	154	20	742
20	15	44	53	160	204	133	287	91	43	192	19	286
21	15	34	72	649	585	129	263	88	43	194	18	158
22	16	30	89	596	824	128	210	83	45	226	18	155
23	16	29	67	282	1300	156	187	97	42	157	25	118
24	14	29	78	415	2210	183	170	194	52	97	63	92
25	15	28	147	441	2630	140	233	145	95	88	68	82
26	17	27	108	257	935	120	643	106	67	81	194	77
27	17	62	82	189	546	114	695	94	54	90	312	110
28	17	128	70	157	403	112	446	90	48	77	146	226
29	17	79	63	130	---	108	306	105	43	60	78	192
30	16	67	65	116	---	105	245	152	49	52	61	148
31	16	---	78	115	---	105	---	116	---	50	64	---
TOTAL	451	1059	3246	5952	13148	8666	23593	4174	2149	2413	1644	3654
MEAN	14.5	35.3	105	192	470	280	786	135	71.6	77.8	53.0	122
MAX	21	128	503	649	2630	1730	5960	209	170	226	312	742
MIN	10	16	42	79	98	105	102	83	42	33	18	22
CFSM	.11	.28	.83	1.51	3.70	2.21	6.19	1.06	.56	.61	.42	.96
IN.	.13	.31	.95	1.74	3.85	2.54	6.91	1.22	.63	.71	.48	1.07

WTR YR 1979 TOTAL 70149 MEAN 192 MAX 5960 MIN 10 CFM 1.51 IN 20.55

02338660 NEW RIVER NEAR CORINTH, GA.--Continued

WATER-QUALITY RECORDS

PERIOD OF DAILY RECORD.--

WATER TEMPERATURES: October 1978 to current year.

EXTREMES FOR PERIOD OF DAILY RECORDS.--

WATER TEMPERATURES: Maximum, 29.5°C Aug. 8, 1979; minimum, 1.0°C Feb. 18, 1979.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURES: Maximum, 29.5°C Aug. 8; minimum, 1.0°C Feb. 18.

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	21.0	19.5	18.5	14.5	13.5	12.0	12.0	10.0	5.0	3.0	13.5	11.0
2	22.5	17.0	18.0	13.5	12.0	11.0	12.0	6.0	4.0	2.0	13.5	11.0
3	22.0	17.5	17.0	13.0	14.0	11.5	5.5	3.0	5.0	4.0	14.0	13.5
4	23.0	17.5	16.0	11.5	15.5	14.0	3.0	2.0	8.0	5.0	15.5	14.5
5	22.5	17.0	16.0	11.0	14.0	11.5	5.0	3.0	7.5	6.0	15.0	13.5
6	21.5	16.5	16.0	11.5	11.5	9.5	7.0	5.0	6.0	4.5	13.5	11.5
7	19.5	14.0	13.5	12.0	12.0	9.5	10.0	7.0	5.0	4.0	12.0	10.0
8	18.5	13.0	15.5	13.0	15.0	12.0	10.0	6.5	6.5	4.0	11.5	10.5
9	17.0	12.0	13.5	12.0	16.0	11.0	6.0	3.5	6.5	5.5	12.0	8.0
10	18.5	13.5	16.5	13.5	11.0	7.0	3.5	2.0	5.0	3.0	11.5	10.5
11	20.5	14.5	16.0	12.5	7.0	6.0	4.5	2.5	6.0	3.5	12.0	10.0
12	21.0	15.0	15.5	11.5	6.0	4.5	5.5	4.5	8.0	4.5	12.5	9.0
13	21.5	16.0	15.5	12.0	6.5	4.5	6.0	5.5	8.5	7.0	13.5	10.5
14	20.5	16.0	17.0	14.0	6.5	5.5	6.5	5.0	10.0	7.0	15.5	13.5
15	16.5	13.0	18.0	15.0	5.5	4.0	4.5	2.5	13.0	10.0	14.0	12.0
16	16.0	11.0	18.0	15.5	8.0	5.5	4.0	2.5	13.5	12.0	12.5	10.5
17	16.5	11.0	18.0	16.5	8.5	7.5	7.0	3.5	11.5	7.5	13.5	11.0
18	16.0	10.0	18.0	15.5	7.0	5.0	9.5	7.0	7.0	1.0	16.0	13.0
19	15.5	10.0	15.5	13.0	10.0	6.5	9.0	7.5	4.5	1.5	17.5	14.0
20	16.5	11.0	15.0	13.0	14.0	10.5	7.5	7.0	5.0	3.5	19.0	16.0
21	16.5	11.0	13.5	11.5	14.0	12.0	8.0	6.0	5.5	4.0	19.0	17.5
22	17.5	12.0	13.0	11.0	11.5	8.0	6.0	5.0	9.5	5.5	18.5	17.5
23	18.5	13.0	15.0	13.0	8.0	6.5	7.0	4.5	11.0	9.5	18.5	16.5
24	19.0	13.5	16.5	14.0	8.5	8.0	7.0	4.5	13.0	11.0	17.5	13.5
25	19.0	14.5	14.5	12.0	8.5	7.5	4.0	2.5	13.0	10.5	13.0	11.0
26	19.0	15.5	12.5	10.5	7.5	6.0	5.0	3.0	10.0	7.0	13.5	10.5
27	20.0	15.5	14.0	12.5	7.0	6.0	6.5	5.0	9.5	6.0	14.5	11.0
28	20.0	15.5	15.0	14.0	6.0	5.0	6.5	5.0	11.5	7.5	17.0	13.0
29	19.0	16.0	14.5	12.5	6.5	5.5	5.0	4.0	---	---	18.0	15.0
30	19.5	15.5	12.5	12.5	7.0	6.0	6.0	3.5	---	---	19.0	16.0
31	19.0	15.5	---	---	10.0	7.0	6.5	5.0	---	---	18.5	17.0
MONTH	23.0	10.0	18.5	10.5	16.0	4.0	12.0	2.0	13.5	1.0	19.0	8.0

02338660 NEW RIVER NEAR CORINTH, GA.--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

[illegible]

02338720 CHATTAHOOCHEE RIVER NEAR LA GRANGE, GA.

LOCATION.--Lat 33°04'42", long 85°06'39", Troup County, Hydrologic Unit 03130002, at La Grange waterworks intake, 1.2 mi (1.9 km) upstream from Yellowjacket Creek, and 5.3 mi (8.5 km) northwest of La Grange.

DRAINAGE AREA.--3,010 mi² (7,800 km²), 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, Air Temperature, Water Temperature, pH, and Dissolved Oxygen by U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	PH (UNITS)	TEMPER- ATURE, AIR (DEG C)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
OCT					
17...	1355	7.0	21.0	19.0	7.3
NOV					
14...	1040	6.8	23.0	18.0	9.6
DEC					
13...	1330	7.0	14.0	13.0	8.6
JAN					
18...	1335	7.0	15.0	8.0	11.6
FEB					
13...	1410	6.7	14.5	10.0	9.8
MAR					
13...	1500	6.7	22.0	14.0	8.8
APR					
24...	1010	6.7	20.5	16.5	8.9
MAY					
16...	1500	7.3	27.0	22.0	10.2
JUN					
19...	1500	9.1	35.5	30.5	10.4
JUL					
18...	1015	8.9	24.0	27.0	10.0
AUG					
22...	1300	--	30.0	31.0	9.6
SEP					
20...	1300	6.9	22.0	23.0	6.4

DATE	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	TUR- BID- ITY (JTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, CON- FIRMED (MPN)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LINITY (MG/L AS CAC03)	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											
17...	67	12	2.2	90	<30	17	27	1.0	.22	.16	1.0
NOV											
14...	61	14	1.3	930	<30	13	34	.80	.19	.23	5.0
DEC											
13...	71	26	1.9	--	210	15	25	.54	.28	.17	6.0
JAN											
18...	76	14	2.0	4300	40	16	20	.68	.42	.18	3.0
FEB											
13...	64	30	1.7	4300	140	13	13	.50	.30	.16	3.0
MAR											
13...	51	50	1.4	230	--	10	54	.44	.11	.21	4.0
APR											
24...	42	27	1.3	2300	230	13	21	.34	.10	.09	<1.0
MAY											
16...	43	8	2.8	1500	70	12	12	.36	<.02	.08	<5.0
JUN											
19...	81	7	3.2	1500	<30	15	7	.20	<.02	.05	5.0
JUL											
18...	71	8	3.2	--	<30	17	4	.53	<.02	.04	1.0
AUG											
22...	57	9	3.3	230	<30	19	31	.15	.04	.14	3.0
SEP											
20...	78	5	1.5	930	40	17	<1	1.1	.12	.09	3.0

APALACHICOLA RIVER BASIN

02338720 CHATTAHOOCHEE RIVER NEAR LAGRANGE, GA.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	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
AUG 29...	79	89	96	99	99	99	100

APALACHICOLA RIVER BASIN

257

02338840 YELLOWJACKET CREEK NEAR HOGANSVILLE, GA.

LOCATION.--Lat 33°08'22", long 84°58'31", Troup County, Hydrologic Unit 03130002, at bridge on Hammett Road, 0.7 mi (1.1 km) downstream of Flat Creek, 5.8 mi (9.3 km) southwest of Hogansville, and 6.9 mi (11.1 km) upstream of Beech Creek.
DRAINAGE AREA.--91.0 mi² (236 km²).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1978 to current year.

GAGE.--Water-stage recorder. Datum of gage is 640.93 ft (195.355 m) National Geodetic Vertical Datum of 1929.

REMARKS.--Records good. Some diurnal fluctuation at low flow.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,070 ft³/s (58.6 m³/s) Apr. 5, 1979, gage height, 8.31 ft (2.533 m);minimum daily discharge, 9.2 ft³/s (0.26 m³/s) Oct. 9, 10, 12, 13, 16, 1978.EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 1,200 ft³/s (51.0 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)	Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
Feb. 25	0700	1970 55.8	8.27 2.521	Apr. 13	2100	1920 54.4	8.16 2.487
Apr. 5	0600	*2070 58.6	8.31 2.533				

Minimum daily discharge, 9.2 ft³/s (0.26 m³/s) Oct. 9, 10, 12, 13, 16.DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12	12	40	60	80	227	80	143	90	36	37	62
2	12	12	34	232	73	190	79	124	93	32	36	47
3	12	14	30	243	72	187	196	112	78	31	33	41
4	12	14	121	125	90	594	965	122	95	29	34	37
5	11	14	438	93	85	752	1460	147	80	27	30	34
6	9.8	13	250	82	124	405	498	211	67	33	28	31
7	9.6	15	111	86	520	270	279	180	65	44	27	29
8	9.4	20	77	95	496	217	216	147	60	37	26	27
9	9.2	20	74	75	265	184	494	142	58	57	24	26
10	9.2	18	77	64	181	166	492	129	52	77	24	25
11	9.4	17	62	60	144	201	243	118	47	62	23	24
12	9.2	16	52	69	122	181	202	137	43	53	22	23
13	9.2	16	47	140	110	152	920	158	40	51	21	25
14	9.4	16	44	117	102	138	1690	135	41	46	20	43
15	9.8	16	41	88	97	128	697	109	39	42	20	42
16	9.2	17	39	76	92	116	366	94	39	38	19	34
17	10	22	42	73	86	112	261	85	40	35	18	120
18	10	57	41	72	106	109	209	79	38	45	18	380
19	10	45	38	67	122	106	179	76	36	84	18	502
20	11	31	38	144	160	102	154	74	35	75	17	202
21	11	26	46	461	514	98	135	71	34	158	17	124
22	10	23	50	337	650	97	123	67	37	215	16	285
23	11	22	44	189	870	111	118	82	36	108	22	198
24	11	21	70	338	1430	130	112	91	35	66	43	109
25	11	21	135	324	1540	106	186	86	43	63	40	88
26	12	20	94	187	691	92	466	75	46	57	94	79
27	12	37	71	142	414	87	531	66	42	56	401	99
28	12	61	60	117	289	84	322	65	38	48	136	175
29	12	48	54	99	---	82	215	77	36	42	64	470
30	12	44	53	89	---	80	173	100	38	39	129	316
31	12	---	55	87	---	80	---	86	---	38	87	---
TOTAL	329.4	728	2428	4431	9525	5584	12061	3388	1521	1824	1544	3697
MEAN	10.6	24.3	78.3	143	340	180	402	109	50.7	58.8	49.8	123
MAX	12	61	438	461	1540	752	1690	211	95	215	401	502
MIN	9.2	12	30	60	72	80	79	65	34	27	16	23
CFSM	.12	.27	.86	1.57	3.74	1.98	4.42	1.20	.56	.65	.55	1.35
IN.	.13	.30	.99	1.81	3.89	2.28	4.93	1.38	.62	.75	.63	1.51

WTR YR 1979 TOTAL 47060.4 MEAN 129 MAX 1690 MIN 9.2 CFSM 1.42 IN 19.24

APALACHICOLA RIVER BASIN

02338840 YELLOWJACKET CREEK NEAR HOGANSVILLE, GA.--Continued

WATER-QUALITY RECORDS

PERIOD OF DAILY RECORD.--

WATER TEMPERATURES: November 1978 to current year.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURES: Maximum, 32.5°C July 5, 30, Aug. 7, 8, 1979; minimum, 0.5°C Feb. 18, 1979.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURES: Maximum, 32.5°C July 5, 30, Aug. 7, 8; minimum, 0.5°C Feb. 18.

TEMPERATURE, WATER (DEG. C) • WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1			19.5	12.0	14.0	10.5	13.0	10.0	6.0	3.0	14.5	10.0
2			18.5	11.5	12.0	9.5	12.0	6.0	6.5	2.0	15.0	10.5
3			18.0	11.0	14.5	11.0	5.5	4.0	6.0	4.5	14.0	13.0
4			17.0	9.5	15.5	13.5	6.0	3.0	9.0	6.0	15.5	13.5
5			16.5	4.0	13.5	11.0	7.5	3.5	7.5	6.0	15.0	13.0
6			16.5	9.5	11.0	9.0	8.5	6.0	7.5	5.5	14.5	11.0
7			13.5	11.0	12.0	9.0	11.0	8.0	7.5	5.5	12.5	9.5
8			16.0	12.0	15.0	11.5	10.5	6.0	7.5	4.5	12.0	10.0
9			14.0	10.5	16.0	9.5	6.0	3.5	7.5	5.0	13.5	8.0
10			17.0	12.5	9.5	7.0	6.0	2.5	7.0	3.5	13.0	9.5
11			16.5	10.5	7.5	5.5	6.5	3.0	8.0	3.0	13.5	9.5
12			16.5	10.0	7.5	4.0	6.0	5.5	9.0	4.5	14.5	8.5
13			16.0	10.5	7.5	4.0	7.0	6.0	10.0	6.5	15.0	9.5
14			18.0	13.5	7.5	4.5	7.0	4.5	11.0	7.0	17.0	13.0
15			18.0	14.0	6.5	3.0	6.0	3.0	13.5	10.0	15.5	10.5
16			18.5	13.5	9.0	6.0	7.5	3.0	13.5	10.5	14.0	9.5
17			17.0	15.5	9.0	7.0	8.5	4.5	10.0	7.0	14.5	10.0
18			17.0	15.5	7.5	4.0	11.0	8.5	6.0	.5	17.5	12.0
19			16.0	11.0	11.5	7.5	10.0	8.5	7.5	2.5	19.0	12.5
20			15.5	12.0	15.0	10.5	10.0	9.0	7.0	3.0	20.5	14.5
21			14.5	9.5	14.0	11.5	10.0	9.5	6.0	5.0	20.0	16.5
22			14.0	9.5	11.0	7.0	9.5	9.0	9.0	6.0	18.0	17.0
23			16.5	12.0	9.0	5.5	9.5	9.0	11.0	9.0	19.5	16.0
24			17.0	13.0	9.0	8.0	9.5	9.0	12.5	11.0	17.0	13.0
25			16.5	9.5	9.5	7.5	9.0	8.0	12.5	10.0	16.0	11.0
26			13.5	8.5	9.0	6.0	8.5	7.5	10.0	7.5	16.0	9.5
27			13.5	12.5	8.0	6.0	7.5	7.0	10.0	6.5	17.0	10.0
28			15.0	13.5	7.0	5.0	7.0	6.5	12.0	7.0	19.0	12.0
29			13.0	12.0	7.0	5.0	7.0	6.5	---	---	19.5	13.5
30			12.5	11.5	8.0	6.5	7.5	6.0	---	---	20.5	15.0
31			---	---	11.0	8.0	7.0	4.5	---	---	18.5	16.0
MONTH			19.5	8.5	16.0	3.0	13.0	2.5	13.5	.5	20.5	8.0

02338840 YELLOWJACKET CREEK NEAR HOGANSVILLE, GA.--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	19.5	15.5	21.0	15.0	24.0	20.0	29.0	21.0	30.5	25.5	27.0	23.5
2	18.5	17.0	22.0	16.0	25.0	20.5	30.0	22.0	30.0	26.5	28.5	23.0
3	18.5	17.5	22.0	18.0	23.5	21.5	29.5	23.5	31.0	26.0	27.5	24.0
4	17.5	16.0	22.5	19.0	24.0	21.0	32.0	24.0	30.5	26.0	26.5	23.5
5	18.5	16.0	22.0	19.0	25.0	21.0	32.5	25.0	30.5	26.5	28.5	23.5
6	19.0	14.0	22.5	19.0	24.0	21.5	29.0	24.5	31.5	25.0	27.5	24.0
7	20.0	14.5	22.0	18.5	25.5	21.0	26.0	24.0	32.5	25.5	28.0	23.5
8	17.0	16.0	21.0	19.5	27.0	22.0	24.5	22.5	32.5	26.0	27.5	23.0
9	19.0	16.5	22.0	19.5	29.0	22.0	22.5	22.0	32.0	26.0	28.0	23.0
10	19.0	15.5	26.0	20.0	29.5	21.5	24.0	22.0	32.5	26.0	27.5	21.0
11	20.5	17.0	24.0	21.5	28.0	21.5	24.0	23.0	32.0	26.0	28.0	20.0
12	20.0	18.5	26.0	20.5	28.0	18.5	26.0	23.5	29.0	25.5	25.0	22.5
13	18.5	17.5	23.0	20.5	27.5	18.5	27.5	24.0	27.5	22.5	26.5	23.5
14	19.0	16.5	24.5	18.5	25.5	18.5	28.5	24.5	25.5	22.5	25.5	22.5
15	19.5	16.0	24.5	17.5	24.5	19.0	30.0	25.0	27.0	21.0	25.0	21.0
16	20.0	15.0	25.0	18.5	26.0	19.0	28.0	25.0	25.0	22.5	23.5	21.5
17	21.0	15.5	25.5	18.0	28.0	19.5	30.0	25.0	23.5	22.0	21.5	20.0
18	20.5	16.0	24.5	17.5	29.0	20.0	30.0	25.5	24.5	21.5	20.5	20.0
19	20.5	15.5	24.0	18.0	29.5	21.0	25.5	24.0	24.0	22.0	22.0	20.5
20	21.5	15.5	25.0	18.5	29.0	22.0	26.5	24.5	24.5	23.0	22.0	21.0
21	22.0	16.5	26.0	19.5	27.0	22.5	25.5	24.0	25.5	23.5	23.0	21.5
22	20.0	18.0	26.0	20.5	30.0	22.0	26.0	24.0	26.5	24.0	22.0	21.0
23	21.5	18.0	21.5	20.5	29.0	22.0	27.0	25.5	26.0	24.0	21.0	19.5
24	20.5	18.5	24.5	19.5	27.5	22.5	27.0	25.5	27.0	23.5	20.0	19.0
25	19.0	17.5	22.0	17.0	24.0	22.0	26.5	25.5	26.5	23.0	19.5	18.5
26	19.5	17.5	23.0	14.5	25.0	21.0	26.0	25.0	24.0	23.0	20.0	19.0
27	20.5	17.5	20.5	15.5	24.5	19.5	27.5	25.0	25.5	23.0	20.5	19.5
28	20.5	16.5	23.0	17.0	25.0	20.0	28.5	25.0	28.0	23.5	21.5	20.5
29	18.5	14.5	21.5	18.5	26.0	20.5	32.0	26.0	29.5	23.5	21.5	21.0
30	20.0	14.5	23.0	19.0	29.5	21.5	32.5	26.0	26.5	23.0	23.0	21.0
31	---	---	22.0	20.5	---	---	29.5	26.0	27.5	23.0	---	---
MONTH	22.0	14.0	26.0	14.5	30.0	18.5	32.5	21.0	32.5	21.0	28.5	18.5

APALACHICOLA RIVER BASIN

02339225 WEHADKEE CREEK BELOW ROCK MILLS, ALA.

LOCATION.--Lat 33°07'20", long 85°14'57", Randolph County, Hydrologic Unit 03130002, on left bank 50 ft (15 m) downstream of bridge on county road, 0.7 mi (1.1 km) downstream from Little Wehadkee Creek, 2.1 mi (3.4 km) upstream from Guss Creek, and 3.5 mi (5.6 km) southeast of Rock Mills.

DRAINAGE AREA.--60.2 mi² (156 km²).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1978 to current year.

GAGE.--Water-stage recorder. Datum of gage is 647.21 ft (197.270 m) National Geodetic Vertical Datum of 1929.

REMARKS.--Records good except those of no gage-height record, Jan. 21 to Feb. 7, Apr. 14-30, and Aug. 20 to Sept. 10, which are fair. Some diurnal fluctuation at low flow.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,400 ft³/s (125 m³/s) Apr. 13, 1979, gage height, 12.45 ft (3.795 m); minimum daily discharge, 7.2 ft³/s (0.20 m³/s) Oct. 13, 14, 18, 19, 1978.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 1,000 ft³/s (28.3 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)	Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
Feb. 24	1545	1150 32.6	9.15 2.789	Apr. 4	1745	1650 46.7	10.19 3.106
Mar. 4	1645	1940 54.9	10.52 3.106	Apr. 13	2315	*4400 125	12.45 3.795

Minimum daily discharge, 7.2 ft³/s (0.20 m³/s) Oct. 13, 14, 18, 19.

DISCHARGE, IN CURIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10	9.0	28	40	52	112	67	160	76	30	31	35
2	10	9.0	23	111	48	100	65	141	66	27	31	31
3	10	9.0	21	73	47	118	425	130	62	27	30	28
4	10	9.0	87	55	68	1270	1120	128	69	26	27	26
5	9.4	10	303	47	55	618	524	126	57	24	28	23
6	8.0	11	66	44	170	274	230	125	54	32	29	21
7	7.7	11	45	64	440	199	173	109	54	32	28	19
8	7.6	12	38	79	168	163	150	104	51	31	24	18
9	7.8	13	48	55	111	136	407	106	49	40	24	16
10	7.9	13	53	48	87	122	205	101	46	55	23	15
11	8.2	13	40	44	77	127	155	96	43	38	24	13
12	8.0	13	36	47	70	108	152	114	40	65	23	13
13	7.2	13	33	61	65	101	1900	100	39	50	23	15
14	7.2	13	32	53	60	99	1550	95	38	34	21	29
15	7.6	13	30	46	58	91	450	82	37	31	19	20
16	7.5	13	30	43	55	84	260	78	36	29	19	17
17	7.3	17	31	42	51	82	200	73	36	27	18	167
18	7.2	41	29	41	75	81	170	71	35	28	18	446
19	7.2	24	29	39	76	78	140	70	34	47	17	151
20	7.5	18	29	195	113	76	125	71	33	73	16	69
21	7.5	17	39	550	504	75	115	67	33	72	17	61
22	7.5	16	38	290	230	73	105	64	35	78	23	73
23	7.5	16	32	160	291	158	100	64	32	48	30	49
24	7.5	16	38	250	815	145	95	77	33	42	115	43
25	7.8	15	51	185	445	98	160	66	36	40	65	41
26	8.4	15	40	135	237	84	450	60	35	42	250	40
27	8.4	40	35	95	167	79	400	58	33	48	140	128
28	8.4	39	33	75	130	75	300	59	31	37	65	368
29	8.8	27	31	65	---	71	200	78	29	33	48	143
30	9.0	33	34	58	---	69	175	76	30	34	58	90
31	9.0	---	39	54	---	68	---	72	---	35	45	---
TOTAL	253.1	518.0	1441	3144	4765	5034	10568	2821	1282	1255	1329	2208
MEAN	8.16	17.3	46.5	101	170	162	352	91.0	42.7	40.5	42.9	73.6
MAX	10	41	303	550	815	1270	1900	160	76	78	250	446
MTN	7.2	9.0	21	39	47	68	65	58	29	24	16	13
CFSM	.14	.29	.77	1.68	2.82	2.69	5.85	1.51	.71	.67	.71	1.22
IN.	.16	.32	.89	1.94	2.94	3.11	6.53	1.74	.79	.78	.82	1.36

WTR YR 1979 TOTAL 34618.1 MEAN 94.8 MAX 1900 MIN 7.2 CFSM 1.58 IN 21.39

02339225 WEHADKEE CREEK BELOW ROCK MILLS, ALA.--Continued

WATER-QUALITY RECORDS

PERIOD OF DAILY RECORD.--

WATER TEMPERATURES: December 1978 to current year.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURES: Maximum, 26.0°C July 5, 29, 30, Aug. 2-4, 7-10, 1979; minimum, 1.0°C Feb. 2, 1979.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURES: Maximum, 26.0°C July 5, 29, 30, Aug. 2-4, 7-10; minimum, 1.0°C Feb. 2.

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1					---	---	11.5	9.5	4.0	2.5	13.5	10.5
2					---	---	11.5	8.5	4.5	1.0	14.0	10.5
3					---	---	8.0	3.0	5.5	3.5	14.0	13.0
4					---	---	4.0	2.5	8.5	5.5	15.0	13.5
5					---	---	6.5	2.5	7.5	6.0	14.5	11.5
6					10.5	7.0	8.0	5.0	6.0	5.0	13.0	10.5
7					11.0	7.5	9.5	7.0	5.5	4.5	11.0	9.0
8					13.0	11.0	9.5	7.5	7.0	4.5	10.5	9.0
9					13.5	9.0	8.0	5.0	7.0	6.0	11.5	7.5
10					9.0	5.5	7.0	6.0	6.5	3.5	11.5	9.0
11					6.0	3.5	6.5	5.5	7.0	3.5	12.0	9.0
12					5.5	2.5	6.5	4.5	8.0	5.0	12.0	8.0
13					5.5	2.5	7.5	5.5	9.0	6.5	12.5	9.5
14					5.5	3.5	7.5	6.0	10.5	7.0	13.5	12.5
15					5.0	2.0	7.0	6.0	13.0	10.0	13.5	10.5
16					7.5	5.0	6.5	5.0	12.5	11.0	12.5	9.5
17					7.5	6.0	7.0	5.5	10.5	7.5	13.0	10.0
18					6.5	3.5	8.5	7.5	7.0	1.5	13.5	11.5
19					9.5	6.5	8.5	7.5	6.0	3.0	14.5	12.5
20					13.0	9.5	8.5	7.0	6.5	4.5	15.5	14.0
21					13.0	10.5	8.0	7.0	7.5	4.5	16.0	15.0
22					11.0	6.5	7.0	6.0	10.0	7.5	16.0	15.5
23					8.5	6.5	8.0	6.0	11.5	10.0	18.5	15.0
24					9.5	7.5	7.5	6.0	13.0	10.5	16.0	13.0
25					8.0	6.5	5.5	5.0	12.5	10.0	13.5	10.0
26					8.5	5.0	6.0	5.0	10.0	7.0	13.5	9.0
27					8.5	7.0	6.5	5.0	9.5	6.0	14.0	10.0
28					7.0	6.0	6.5	5.5	11.0	7.5	14.5	12.0
29					7.0	4.5	6.0	4.0	---	---	16.0	13.5
30					8.0	6.0	6.0	3.0	---	---	16.5	14.5
31					9.5	7.0	6.0	4.5	---	---	16.0	15.0
MONTH					13.5	2.0	11.5	2.5	13.0	1.0	18.5	7.5

02339225 WEHADKEE CREEK BELOW ROCK MILLS, ALA.--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	16.5	14.5	18.5	15.0	22.0	19.5	23.0	20.0	25.5	23.5	---	---
2	16.5	16.0	19.0	16.0	23.0	20.0	23.5	20.5	26.0	23.5	---	---
3	16.5	15.5	20.0	18.0	23.0	21.0	24.0	22.0	26.0	24.0	---	---
4	17.5	15.5	20.0	18.5	22.5	21.0	25.0	22.5	26.0	24.0	---	---
5	17.0	14.0	20.0	18.5	22.5	19.5	26.0	23.5	25.5	24.5	---	---
6	17.0	12.5	20.5	18.0	22.0	20.5	25.5	24.0	25.5	23.0	---	---
7	18.0	13.5	20.5	18.0	23.0	20.5	24.0	23.0	26.0	24.0	---	---
8	16.5	15.5	20.0	19.5	23.5	21.0	23.0	21.5	26.0	24.5	---	---
9	18.5	15.5	21.0	19.5	24.0	22.0	---	---	26.0	24.5	---	---
10	17.0	13.5	22.5	19.5	24.0	21.0	---	---	26.0	25.0	---	---
11	19.5	16.0	22.0	20.5	23.5	21.5	---	---	25.5	24.5	22.0	20.5
12	19.0	18.0	22.0	20.0	22.5	19.0	---	---	25.5	23.5	22.0	22.0
13	17.5	16.5	20.5	19.0	22.0	19.0	---	---	23.5	21.0	23.0	22.0
14	18.0	15.5	20.5	17.5	21.5	18.5	---	---	23.0	20.5	23.0	22.0
15	18.0	14.5	21.0	16.5	21.0	19.0	---	---	---	---	22.5	20.5
16	18.0	14.5	21.5	17.5	21.0	18.5	---	---	---	---	22.0	20.5
17	19.0	15.0	21.0	17.5	22.0	18.5	---	---	---	---	20.5	19.0
18	18.5	16.0	21.0	17.0	23.0	19.5	---	---	---	---	19.5	19.0
19	18.5	15.5	20.0	17.5	23.5	20.5	---	---	---	---	20.5	19.5
20	19.0	15.0	21.5	18.0	24.0	21.5	---	---	---	---	20.5	20.0
21	19.5	16.0	22.5	19.5	23.5	22.0	---	---	---	---	21.5	20.5
22	19.0	17.5	22.5	20.0	23.5	21.5	---	---	---	---	21.5	20.5
23	19.5	17.5	21.5	20.5	23.5	21.5	---	---	---	---	20.5	19.0
24	19.0	18.5	21.5	19.0	23.0	21.5	---	---	---	---	19.5	19.0
25	18.5	17.5	19.0	16.5	22.5	21.5	---	---	---	---	19.0	18.5
26	18.5	17.0	18.5	14.0	21.5	20.5	24.0	23.0	---	---	19.0	18.5
27	18.5	17.0	18.0	15.0	21.5	19.0	25.5	23.0	---	---	19.5	19.0
28	17.5	15.5	19.0	16.5	21.5	19.0	25.5	23.0	---	---	21.0	19.5
29	16.0	14.0	19.5	18.0	21.5	19.5	26.0	24.0	---	---	21.0	20.5
30	17.5	14.5	20.5	18.5	23.5	20.5	26.0	24.5	---	---	21.0	20.0
31	---	---	20.0	19.5	---	---	25.5	24.0	---	---	---	---
MONTH	19.5	12.5	22.5	14.0	24.0	18.5	26.0	20.0	26.0	20.5	23.0	18.5

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 (1.6 km) upstream from bridge on U.S. Highway 29, 2.5 mi (4.0 km) downstream from West Point Dam and at mile 198.9 (320.0 km).

DRAINAGE AREA.--3,550 mi² (9,190 km²), approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--July 1896 to current year. Monthly discharge only for some periods, published in WSP 1304. Gage-height records collected at site 0.8 mi (1.3 km) 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 (168.149 m) National Geodetic Vertical Datum of 1929. Prior to Oct. 20, 1912, nonrecording gage at site 0.8 mi (1.3 km) downstream at datum 2.83 ft (0.863 m) lower. Oct. 20, 1912, to Jan. 25, 1925, nonrecording gage at site 500 ft (152 m) upstream at present datum.

REMARKS.--Records good. Flow regulated by Lake Sidney Lanier since January 1956 and by West Point Lake since October 1974. (See "Lakes and Reservoirs in Apalachicola River Basin", stations 02334400 and 02339400.)

AVERAGE DISCHARGE.--83 years, 5,650 ft³/s (160 m³/s), 21.61 in/yr (549 mm/yr), unadjusted.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 134,000 ft³/s (3,790 m³/s) Dec. 10, 1919, gage height, 30.0 ft (9.14 m) at site then in use; 29.25 ft (8.92 m) at present site, from floodmarks, from rating curve extended above 80,000 ft³/s (2,270 m³/s) on basis of computation of peak flow over Langdale Dam; minimum, 224 ft³/s (6.34 m³/s) Sept. 12, 1925, gage height, 1.64 ft (0.500 m).

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 (7.80 m) at former site and datum, from floodmark, by National Weather Service, discharge, 92,800 ft³/s (2,620 m³/s).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 41,800 ft³/s (1,180 m³/s) Apr. 16, gage height, 17.37 ft (5.294 m); minimum daily, 731 ft³/s (20.7 m³/s) Oct. 15.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	760	6700	2760	858	7830	12400	820	10300	11300	794	4160	1840
2	5390	6620	817	5580	7810	9490	4040	9810	16800	1520	4100	1830
3	5440	6840	800	4660	1100	9010	5970	9860	5010	817	4090	1870
4	5440	770	3500	4590	908	10200	10700	11000	6650	816	794	5910
5	5420	750	3920	4540	3760	16000	13200	13200	8600	3820	784	5930
6	5560	4320	2330	939	4020	16500	16300	5630	8510	3960	4610	5880
7	750	4580	3290	873	4410	12300	16500	7170	8470	777	4120	5920
8	740	4640	3370	4060	6900	8420	16600	8890	8440	797	4180	756
9	5540	4500	966	5670	6580	8490	16600	8820	901	5240	4620	750
10	5640	4700	847	5560	1090	9150	9260	8790	847	5380	5360	3380
11	5660	972	6320	5580	934	8660	9980	8770	8280	10800	793	4690
12	5720	770	6520	5590	6050	8770	9470	8830	8300	5740	790	4630
13	5600	3560	6590	1020	6190	8890	18100	6880	8380	5330	2990	4670
14	760	3660	6630	928	6210	8890	35100	8800	8410	795	1630	4690
15	731	3780	6700	2250	6200	9020	37600	8750	8460	791	6580	1790
16	4660	3800	970	2230	6260	9280	40700	6780	861	4500	5780	777
17	4800	3780	812	4840	967	1100	23300	6350	814	3300	5820	4850
18	4880	847	2820	4890	878	888	17000	6570	5390	3350	776	5270
19	4880	802	2810	4980	3370	8610	17000	4890	5480	3500	4320	6940
20	4800	2660	2800	1180	3490	8920	17100	882	4710	3720	8020	4230
21	830	2910	2800	2080	6040	9020	17100	7250	4720	988	8370	12000
22	750	3290	2810	6620	6190	9320	17100	7280	6030	4750	8690	937
23	4720	2810	855	7570	6020	9710	17200	7300	831	5540	8510	773
24	3580	2820	837	8890	9070	1260	12700	7290	804	5550	8510	4720
25	3560	794	894	6840	9790	911	11900	7270	3660	5620	810	4650
26	5820	780	2730	6990	10400	4070	18400	874	3060	5440	769	4680
27	4820	3350	2700	4810	11700	4090	18100	847	3110	5440	6970	4740
28	770	2760	3470	4830	12300	4100	17600	4160	3100	825	7060	6150
29	760	2780	2830	7410	---	4010	17400	4220	3100	804	7060	1000
30	6720	2760	841	7630	---	4030	11600	5820	799	4100	6970	867
31	6800	---	844	7610	---	856	---	5840	---	4130	7020	---
TOTAL	122301	94105	87183	142098	156467	236365	494440	219123	163827	108934	145056	117120
MEAN	3945	3137	2812	4584	5588	7625	16480	7068	5461	3514	4679	3904
MAX	6800	6840	6700	8890	12300	16500	40700	13200	16800	10800	8690	12000
MIN	731	750	800	858	878	856	820	847	799	777	769	750

CAL YR 1978 TOTAL 1738826 MEAN 4764 MAX 19200 MIN 698 MEAN† 4160 CFSM† 1.17 IN† 15.88
WTR YR 1979 TOTAL 2087019 MEAN 5718 MAX 40700 MIN 731 MEAN† 6287 CFSM† 1.77 IN† 24.03

† ADJUSTED FOR CHANGE IN CONTENTS IN LAKE SIDNEY LANIER AND WEST POINT LAKE.

APALACHICOLA RIVER BASIN

02339500 CHATTAHOOCHEE RIVER AT WEST POINT, GA.--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.02	5.27	3.15	2.11	5.85	8.26	2.08	6.49	7.09	2.02	3.74	2.64
2	4.46	5.24	2.08	4.65	5.83	6.76	3.93	6.44	9.72	2.49	3.70	2.63
3	4.49	5.33	2.06	4.18	2.27	6.48	4.96	6.47	4.16	2.04	3.70	2.65
4	4.55	2.03	3.52	4.13	2.16	7.03	7.46	6.98	4.96	2.04	2.02	4.62
5	4.59	2.01	3.84	4.10	3.74	9.95	8.67	8.14	5.84	3.60	2.01	4.62
6	4.61	3.96	3.01	2.17	3.90	10.23	10.14	4.54	5.82	3.68	4.00	4.60
7	2.01	4.13	3.44	2.13	4.20	8.19	10.22	5.43	5.80	2.01	3.72	4.62
8	2.00	4.15	3.49	3.82	5.41	6.31	10.28	6.31	5.78	2.02	3.74	1.99
9	4.59	4.10	2.19	4.76	5.23	6.34	10.24	6.28	2.11	4.30	4.01	1.98
10	4.63	4.19	2.11	4.67	2.29	6.59	6.73	6.27	2.07	4.38	4.36	3.39
11	4.65	2.18	4.94	4.69	2.18	6.32	7.00	6.26	5.70	6.91	2.02	4.02
12	4.68	2.03	5.07	4.69	5.00	6.37	6.72	6.28	5.74	4.59	2.02	4.00
13	4.65	3.57	5.10	2.24	5.10	6.43	10.31	5.30	5.75	4.35	3.19	4.01
14	2.02	3.65	5.12	2.17	5.10	6.41	15.97	6.27	5.75	2.02	2.52	4.02
15	1.99	3.72	5.15	2.92	5.10	6.46	16.46	6.25	5.79	2.02	4.94	2.55
16	4.20	3.66	2.14	2.91	5.12	6.58	17.13	5.04	2.08	3.94	4.54	2.00
17	4.29	3.66	2.07	4.30	2.19	2.28	11.92	4.80	2.04	3.36	4.56	4.12
18	4.34	2.10	3.17	4.33	2.13	2.14	9.82	4.90	4.35	3.39	2.01	4.40
19	4.34	2.06	3.17	4.38	3.57	6.26	9.81	4.10	4.40	3.48	3.79	5.15
20	4.30	3.04	3.17	2.35	3.65	6.41	9.83	2.10	4.02	3.64	5.61	3.78
21	2.08	3.26	3.17	2.98	5.05	6.49	9.83	5.22	4.06	2.19	5.79	7.58
22	2.01	3.43	3.18	5.35	5.15	6.62	9.84	5.24	4.71	4.07	5.94	2.12
23	4.24	3.17	2.11	5.85	5.05	6.78	9.88	5.24	2.05	4.44	5.85	2.00
24	3.66	3.18	2.10	6.55	6.57	2.40	7.93	5.24	2.03	4.42	5.85	4.04
25	3.64	2.05	2.14	5.46	7.00	2.16	7.45	5.24	3.58	4.41	2.03	4.01
26	4.79	2.04	3.15	5.55	7.28	3.95	10.38	2.09	3.26	4.36	2.00	4.02
27	4.30	3.50	3.13	4.25	7.93	3.97	10.26	2.07	3.28	4.36	5.11	4.06
28	2.03	3.18	3.58	4.26	8.21	3.97	10.04	3.74	3.28	2.05	5.16	4.77
29	2.02	3.17	3.22	5.64	---	3.93	9.95	3.77	3.28	2.03	5.15	2.20
30	5.27	3.16	2.10	5.77	---	3.93	7.43	4.53	2.03	3.70	5.11	2.09
31	5.32	---	2.10	5.74	---	2.11	---	4.55	---	3.72	5.14	---
MEAN	3.77	3.34	3.16	4.16	4.72	5.75	9.42	5.21	4.35	3.42	3.98	3.62
MAX	5.32	5.33	5.15	6.55	8.21	10.23	17.13	8.14	9.72	6.91	5.94	7.58
MIN	1.99	2.01	2.06	2.11	2.13	2.11	2.08	2.07	2.03	2.01	2.00	1.98

WTR YR 1979 MEAN 4.57 MAX 17.13 MIN 1.98

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, Air Temperature, Water Temperature, pH, and Dissolved Oxygen by U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	PH (UNITS)	TEMPER- ATURE, AIR (DEG C)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
OCT						
17...	0950	14400	7.4	12.5	18.0	6.5
NOV						
14...	1215	996	6.8	23.0	18.5	8.0
DEC						
13...	1140	820	6.7	13.0	11.5	9.4
JAN						
18...	1450	888	7.0	14.5	8.0	12.2
FEB						
13...	1325	8920	6.5	6.0	11.0	10.2
MAR						
13...	1030	15600	6.7	17.0	11.5	9.0
APR						
24...	1145	10900	6.7	23.0	18.5	7.4
MAY						
16...	0845	892	7.2	22.0	19.5	7.9
JUN						
19...	0820	803	6.5	26.0	23.0	6.6
JUL						
18...	0830	6060	6.8	22.5	25.0	5.2
AUG						
22...	0955	1520	6.8	29.5	25.5	4.0
SEP						
20...	0945	4400	6.9	20.5	23.0	5.6

DATE	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	TUR- BID- ITY (JTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LINITY (MG/L AS CAC03)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT											
17...	68	5	1.4	<30	22	.47	.12	.220	350	90	4.0
NOV											
14...	64	9	.8	40	16	.57	.08	.020	580	90	3.0
DEC											
13...	59	6	.7	40	15	.44	.14	.070	450	90	1.0
JAN											
18...	56	7	1.1	230	18	.29	.08	.020	800	140	3.0
FEB											
13...	61	17	.6	<30	12	.61	.17	.080	620	100	1.0
MAR											
13...	53	28	.8	<35	10	.11	<.02	.060	1100	110	4.5
APR											
24...	44	54	.8	140	14	.19	.07	.070	2400	190	3.0
MAY											
16...	48	10	.7	90	20	.18	.04	<.020	900	110	<5.0
JUN											
19...	75	8	1.4	40	19	.19	.02	<.020	--	--	5.0
JUL											
18...	51	10	1.2	<30	17	.09	.13	.040	780	340	1.0
AUG											
22...	56	9	1.8	<30	23	.06	.39	.050	1360	650	<1.0
SEP											
20...	63	10	.9	190	17	.08	.10	.030	1200	200	2.0

02339500 CHATTAHOOCHEE RIVER AT WEST POINT, GA.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	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
AUG 28...	20	42	79	92	98	100	100

02339550 CHATTAHOOCHEE RIVER AT LANETT, ALA.

LOCATION.--Lat 32°51'48", long 85°11'04", Chambers County, Ala.--Harris County, Ga., Hydrologic Unit 03130002, at city of Lanett
water intake, 0.5 mi (0.8 km) south of Lanett, and 2.4 mi (3.9 km) upstream of Long Cane Creek.

DRAINAGE AREA.--3,550 mi² (9,190 km²), approximately.

PERIOD OF DAILY RECORD.--

WATER TEMPERATURES: December 1978 to current year.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURES: Maximum, 29.5°C Aug. 4, 5, 7, 8, 1979; minimum, 4.5°C Feb. 2, 11, 18, 1979.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURES: Maximum, 29.5°C Aug. 4, 5, 7, 8; minimum, 4.5°C Feb. 2, 11, 18.

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

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

APALACHICOLA RIVER BASIN

02339550 CHATTAHOOCHEE RIVER AT LANETT, ALA.--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	17.5	14.5	19.0	17.0	20.5	19.5	26.5	23.5	28.5	25.0	27.5	25.5
2	17.0	13.5	18.5	17.5	21.0	20.0	25.5	22.5	28.5	25.0	27.5	25.5
3	16.0	14.5	18.5	18.0	23.5	20.0	23.5	22.0	28.5	25.0	27.5	25.5
4	16.5	15.5	19.0	18.0	22.0	20.5	24.0	22.0	29.5	25.0	27.5	25.0
5	16.5	16.0	19.0	18.0	23.0	20.5	24.5	22.5	29.5	27.5	27.5	26.0
6	16.5	15.5	20.0	18.0	21.5	21.0	24.5	23.0	28.5	25.5	27.0	26.0
7	16.5	16.0	19.0	18.0	22.5	21.0	26.0	23.0	29.5	25.0	27.5	26.0
8	16.5	16.0	18.5	18.0	23.0	21.5	25.5	24.5	29.5	25.0	28.5	26.0
9	17.5	16.0	18.5	18.5	25.5	21.5	24.5	22.0	27.0	25.0	28.5	26.5
10	17.5	16.5	19.0	18.0	26.0	23.5	23.5	22.5	27.0	25.0	27.0	25.5
11	17.0	16.5	19.0	18.5	25.0	23.0	24.0	22.5	29.0	25.5	27.0	24.5
12	18.0	17.0	19.5	18.5	23.5	22.0	24.0	23.0	28.0	26.5	26.5	25.5
13	18.0	17.0	19.5	18.5	23.0	21.5	24.5	23.0	27.5	25.5	26.0	25.5
14	17.5	17.0	20.0	19.0	23.0	21.5	27.5	23.0	27.5	25.0	26.5	24.5
15	17.5	17.5	19.5	19.0	23.0	21.5	27.5	25.5	27.0	24.0	26.5	24.0
16	18.0	17.0	20.5	18.5	25.0	21.5	26.5	23.5	27.5	25.0	25.5	24.5
17	17.5	17.0	21.5	19.5	25.5	23.0	25.5	24.0	26.5	25.0	25.0	23.5
18	18.0	17.5	21.0	19.0	25.5	22.0	25.5	23.5	29.0	25.0	24.5	22.0
19	18.0	17.5	22.0	19.0	25.5	22.0	25.0	23.5	28.0	26.0	25.5	22.5
20	18.0	17.5	23.5	19.0	25.0	22.0	24.5	23.0	27.0	25.0	25.0	23.5
21	18.0	17.5	22.5	19.5	23.5	22.0	27.0	23.5	26.5	25.0	24.5	24.0
22	18.0	17.5	22.0	19.0	23.0	22.0	26.5	24.0	26.5	25.5	24.0	23.0
23	18.0	17.5	21.0	19.0	26.0	22.0	26.5	23.5	26.5	24.5	23.5	22.5
24	18.0	17.5	21.5	19.0	26.0	24.0	26.0	23.5	26.5	25.5	24.0	22.5
25	18.5	17.5	21.5	19.0	25.0	21.5	25.5	23.5	27.5	25.5	23.5	22.0
26	18.5	18.0	22.5	18.5	23.5	22.0	26.0	24.0	27.5	26.0	23.5	22.5
27	19.0	18.5	22.0	20.0	23.5	21.5	27.0	24.0	27.0	26.0	23.0	22.0
28	19.0	18.0	21.5	19.5	24.0	22.0	28.0	24.0	26.5	25.5	23.5	22.0
29	18.5	18.0	21.5	19.0	23.5	22.0	28.0	26.0	27.0	25.5	23.5	22.5
30	18.5	17.5	22.5	19.0	26.5	22.0	28.0	25.0	27.5	25.5	24.5	22.5
31	---	---	21.5	19.0	---	---	28.0	24.5	27.0	25.5	---	---
MONTH	19.0	13.5	23.5	17.0	26.5	19.5	28.0	22.0	29.5	24.0	28.5	22.0

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 (4.0 km) north-east of West Point.

DRAINAGE AREA.--74.8 mi² (194 km²), 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, Air Temperature, Water Temperature, pH, and Dissolved Oxygen by U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	PH (UNITS)	TEMPER- ATURE, AIR (DEG C)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
OCT						
17...	0910	16	7.2	13.0	12.0	2.4
NOV						
14...	1300	8.0	6.7	24.0	17.0	3.2
DEC						
13...	1215	36	6.9	15.0	7.5	7.3
JAN						
18...	1545	83	6.8	15.0	10.0	9.7
FEB						
13...	1145	91	6.7	7.0	8.0	8.2
MAR						
13...	0945	165	6.7	10.0	11.0	7.9
APR						
24...	1110	105	6.8	21.0	20.0	4.9
MAY						
16...	0915	65	7.0	23.0	19.5	2.5
JUN						
19...	0845	21	7.0	28.0	22.0	1.8
JUL						
18...	0915	22	7.1	23.0	25.0	3.1
AUG						
22...	1100	17	7.2	29.5	26.0	1.7
SEP						
20...	1105	98	6.8	23.0	22.0	3.6

DATE	SPF- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	TUR- BID- ITY (JTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LINITY (MG/L AS CACO3)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT									
17...	398	15	9.6	90	56	.06	4.5	4.4	30
NOV									
14...	469	19	8.8	430	69	<.02	5.7	5.0	24
DEC									
13...	200	10	1.3	2100	38	<.02	.48	.99	16
JAN									
18...	151	14	5.6	230	28	.25	1.1	1.3	9.0
FEB									
13...	89	15	2.0	430	18	.36	.38	.44	4.0
MAR									
13...	73	15	2.8	90	17	.46	.13	.29	6.0
APR									
24...	122	15	2.4	26000	27	.31	.39	1.2	7.0
MAY									
16...	146	9	6.0	2300	41	.05	1.4	1.0	10
JUN									
19...	430	19	11	750	63	<.02	2.6	3.0	24
JUL									
18...	410	15	9.4	510000	68	<.02	4.4	2.4	17
AUG									
22...	240	8	5.2	2300	76	.07	2.6	1.7	13
SEP									
20...	130	20	2.6	2300	26	.24	.26	.56	10

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 (0.8 km) downstream from Eagle and Phenix Dam, 1.2 mi (1.9 km) downstream from City Mills Dam, 2.6 mi (4.2 km) downstream from North Highlands Dam, 3.3 mi (5.3 km) downstream from Oliver Dam, 17.5 mi (28.2 km) downstream from Bartletts Ferry Dam, and at mile 159.9 (257.3 km).

DRAINAGE AREA.--4,670 mi² (12,100 km²), 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 (55.821 m) National Geodetic Vertical Datum of 1929. Dec. 1-31, 1912, nonrecording gage at site 800 ft (243 m) upstream at datum 2.0 ft (0.61 m) higher, and Aug. 23, 1929, to Sept. 30, 1975, recording gage at present site, at datum 2.0 ft (0.61 m) higher. Oct. 1, 1963, to Sept. 30, 1966, water-stage recorder at Walter F. George Reservoir, and since Oct. 1, 1966, water-stage recorder at Alabama State Docks used as auxiliary gage for this station.

REMARKS.--Records good except those below 1,500 cfs, 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 Geological Survey.

AVERAGE DISCHARGE.--50 years, 6,785 ft³/s (192 m³/s), 19.73 in/yr (501 mm/yr), unadjusted.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 145,000 ft³/s (4,110 m³/s) Feb. 26, 1961; maximum gage height, 47.8 ft (14.57 m) Feb. 25, 1961; minimum discharge, 294 ft³/s (8.33 m³/s) Oct. 23, Nov. 14, 1931; minimum daily, 480 ft³/s (13.6 m³/s) Oct. 31, 1931.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum discharge known since at least 1827, 198,000 ft³/s (5,610 m³/s) Mar. 15, 1929, computation of flow at North Highlands Dam before redevelopment; maximum stage known, 53.2 ft (16.22 m) Mar. 16, 1929.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 72,900 ft³/s (2,060 m³/s) Apr. 14, gage height, 30.91 ft (9.421 m); minimum daily, 950 ft³/s (26.9 m³/s) Aug. 14.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2410	6940	2840	1850	8370	14000	2010	11800	8150	1530	4600	2380
2	5650	6940	2780	6920	8940	12700	4850	10600	12600	2660	5000	2170
3	5690	7480	1670	7160	4330	12800	6400	10400	11700	2710	3500	3980
4	4970	2500	4680	6230	2380	19500	27200	9930	7510	4450	2200	5860
5	5510	1360	5930	6520	5030	27700	37500	16800	7220	4280	1700	5650
6	5760	3900	5220	5150	8330	26000	26900	10900	8410	3770	5000	5340
7	2970	5780	4800	5960	10800	17700	17200	6830	9320	3000	5800	6120
8	2330	5410	4700	4000	9640	12800	20700	9570	8480	1500	5200	2110
9	4870	5260	2370	4710	11000	12000	21100	9550	4130	5400	5200	1300
10	5150	5650	2310	4820	4870	12000	16200	10000	2680	6200	4500	1700
11	5980	1600	4910	5440	5830	12200	12700	10100	5180	6400	1200	3700
12	5980	1610	4660	5560	7020	12200	12700	9620	8900	8500	1100	6000
13	5900	3870	7680	5930	6540	11100	20200	10600	8930	6300	3000	9000
14	2040	4720	5760	2960	7350	12200	68300	10300	8460	15500	950	3450
15	2010	4700	6730	4650	7800	10200	51400	10100	6980	2000	3600	3600
16	4660	4590	4710	5010	6780	9800	45000	7660	1890	4100	5000	3040
17	5470	4680	1220	5270	4830	10100	34800	4140	1540	4100	4700	4820
18	5860	1670	3090	4890	5390	1640	14000	5730	4240	4000	1500	4670
19	5400	1260	3470	5550	6140	6720	17700	6640	5910	3600	3700	6290
20	4830	4010	3910	6990	6490	9680	20600	5150	6420	5100	7000	8990
21	1410	3530	4200	9940	10700	9250	15200	7620	5430	3500	8000	12300
22	1560	3460	2720	7590	13500	8840	17400	4760	2130	6800	10400	6350
23	4260	3040	1490	10100	11400	10100	18600	5660	1320	6200	7970	2320
24	2920	2090	1280	11900	26900	10800	15600	5950	1230	6400	9750	4760
25	2930	1510	1890	10500	32300	3250	15500	6240	2750	6900	3530	5600
26	5760	1700	4850	10100	21100	5670	25000	2810	2960	6100	4740	4390
27	6380	4340	4320	9440	18700	4990	26200	1640	4090	3700	6240	6080
28	4180	2600	6320	8960	17000	4270	21100	5340	3680	2000	7030	5910
29	1640	4280	4910	8310	---	5550	17800	5120	3120	1600	6850	3190
30	4980	4010	2590	9290	---	5070	18100	7090	2690	5400	6010	2140
31	6620	---	1350	9010	---	1740	---	6150	---	4800	6260	---
TOTAL	136480	114490	119360	210710	289460	332570	667960	244800	168050	148500	151230	143210
MEAN	4403	3816	3850	6797	10340	10730	22270	7897	5602	4790	4878	4774
MAX	6620	7490	7680	11900	32300	27700	68300	16800	12600	15500	10400	12300
MIN	1560	1260	1220	1850	2380	1640	2010	1640	1230	1500	950	1300
CAL YR 1978 TOTAL	2402710			6583		55000	MIN 950	MEAN† 5980	CFSM† 1.28	IN† 17.38		
WTP YR 1979 TOTAL	2726820			7471		68300	MIN 950	MEAN† 8046	CFSM† 1.72	IN† 23.35		

† 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 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.06	5.55	4.22	5.06	7.75	11.57	5.75	10.35	8.46	5.06	7.19	5.26
2	5.62	5.62	4.34	7.48	7.84	10.82	6.81	9.71	10.27	5.43	7.33	5.26
3	5.56	6.07	4.08	7.44	5.84	10.52	7.60	9.79	10.34	5.01	7.37	6.01
4	5.13	3.56	5.41	6.80	5.65	13.47	17.02	9.42	8.81	5.86	6.26	6.55
5	5.36	3.10	6.08	6.98	6.64	17.71	23.03	12.59	8.49	5.70	6.31	6.46
6	5.32	4.39	5.85	6.21	8.08	17.52	18.40	10.11	8.74	5.38	7.06	6.14
7	3.91	5.21	5.85	6.87	9.82	13.54	13.63	8.35	8.94	4.74	7.17	6.41
8	3.61	4.90	5.99	6.23	9.32	11.00	14.81	9.21	8.74	4.56	7.03	4.52
9	4.87	4.89	5.28	6.42	9.59	9.81	15.10	9.12	7.00	6.34	7.04	---
10	4.80	5.12	5.24	6.43	6.80	9.73	13.02	9.19	6.78	6.55	6.86	---
11	5.33	3.22	6.14	6.45	6.81	10.06	10.84	9.20	7.47	6.65	5.69	---
12	5.19	3.33	6.07	6.61	7.37	10.30	10.64	8.92	8.75	7.94	5.79	---
13	5.20	4.46	7.23	6.60	6.97	9.68	13.64	9.78	8.76	6.93	6.24	---
14	3.12	4.76	6.37	5.93	7.24	10.11	29.78	9.73	8.60	5.27	5.47	4.83
15	3.09	4.66	6.81	6.60	7.44	9.30	27.15	9.55	7.98	5.73	5.96	4.78
16	4.46	4.60	6.06	6.75	6.84	8.84	24.49	8.66	6.12	6.40	6.20	4.78
17	4.80	4.66	5.02	6.72	5.93	9.05	21.85	7.01	6.14	6.54	5.95	5.99
18	4.86	3.32	5.67	6.53	6.41	5.70	12.25	7.22	7.01	6.59	4.68	6.00
19	4.68	3.26	5.73	6.68	7.09	7.40	13.03	7.56	7.33	6.43	5.60	6.74
20	4.16	4.44	5.74	7.47	7.43	8.48	14.58	7.31	7.37	7.04	6.70	8.12
21	2.35	4.20	5.77	9.66	9.84	8.31	12.16	8.24	7.02	6.67	6.68	9.72
22	2.28	4.10	5.10	7.92	11.58	8.44	12.59	7.59	5.77	7.80	8.05	7.72
23	3.83	3.87	4.61	8.70	10.37	8.92	13.34	7.29	5.40	8.78	7.50	6.04
24	2.98	3.37	4.77	9.86	17.45	9.42	12.10	7.38	5.48	8.00	8.06	6.69
25	2.97	3.06	5.13	8.98	21.36	6.71	11.84	7.40	5.94	8.30	5.46	6.65
26	4.54	3.29	6.22	8.62	16.29	7.56	16.91	5.98	5.79	7.75	6.01	6.96
27	4.87	4.72	5.69	8.26	14.27	7.16	17.81	5.71	6.01	7.58	6.86	7.84
28	3.68	3.95	6.54	8.09	13.61	6.70	15.34	7.07	5.79	6.33	7.24	7.83
29	2.26	4.34	5.95	8.07	---	7.15	13.58	6.92	5.43	6.30	7.14	6.80
30	4.12	4.62	4.99	8.40	---	6.81	13.48	7.61	5.36	7.51	6.67	6.25
31	5.24	---	4.74	8.22	---	5.48	---	7.89	---	7.20	6.64	---
MEAN	4.27	4.29	5.57	7.32	9.34	9.59	15.09	8.45	7.34	6.53	6.59	---
MAX	5.62	6.07	7.23	9.86	21.36	17.71	29.78	12.59	10.34	8.78	8.06	---
MIN	2.26	3.06	4.08	5.06	5.65	5.48	5.75	5.71	5.36	4.56	4.68	---

APALACHICOLA RIVER BASIN

02341800 UPATOI CREEK NEAR COLUMBUS, GA.

LOCATION.--Lat 32°24'48", long 84°49'12", Muscogee-Chattahoochee County line, Hydrologic Unit 03130003, at downstream side of pier near left end of bridge on Red Arrow Road at Fort Benning, 2 mi (3.2 km) downstream from Randall Creek, 2 mi (3.2 km) upstream from Ochiltee Creek, 8 mi (12.9 km) southeast of Columbus, and 12 mi (19 km) upstream from mouth.

DRAINAGE AREA.--342 mi² (886 km²).

WATER-DISCHARGE RECORDS

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

GAGE.--Water-stage recorder. Altitude of gage is 230 ft (70 m), from topographic map.

REMARKS.--Records good except those for period of no gage-height record, Dec. 11 to Jan. 30, which are poor.

AVERAGE DISCHARGE.--11 years, 506 ft³/s (14.3 m³/s), 20.09 in/yr (510 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 10,200 ft³/s (289 m³/s) Apr. 15, 1975, gage height, 15.76 ft (4.804 m); minimum, 106 ft³/s (3.00 m³/s) Oct. 5, 6, 7, 1970.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 2,500 ft³/s (70.8 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)	Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
Feb. 21	1830	3100 87.8	9.44 2.877	Apr. 14	0045	6540 185	13.34 4.066
Feb. 24	2130	*7770 220	14.52 4.426	Apr. 26	1630	3450 97.7	9.78 2.981
Apr. 4	1445	7730 219	14.48 4.414				

Minimum discharge, 135 ft³/s (3.82 m³/s) Aug. 22.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	173	157	320	260	403	1120	407	677	656	189	176	287
2	179	155	266	260	376	992	393	603	521	185	172	253
3	175	159	236	280	372	932	623	557	382	172	166	224
4	169	161	246	460	511	1500	4690	540	366	167	160	198
5	165	153	372	390	528	1350	3680	620	350	163	153	188
6	159	154	362	340	549	1020	1590	590	299	174	149	179
7	153	156	294	300	2080	861	1060	503	274	211	147	173
8	153	166	258	440	1300	775	884	501	272	221	147	168
9	155	171	260	720	819	725	996	517	268	204	147	164
10	157	172	270	600	618	682	905	467	248	203	143	161
11	157	170	240	500	536	1080	743	422	229	231	148	159
12	157	170	228	420	490	1020	656	408	210	288	178	156
13	156	165	230	400	457	811	1550	436	205	261	174	162
14	157	165	230	420	430	707	4810	408	201	216	161	197
15	154	167	230	400	415	637	2100	365	197	193	151	193
16	151	169	230	380	402	586	1230	349	195	187	145	195
17	151	169	240	360	381	563	940	341	195	188	143	391
18	153	174	240	340	430	548	790	290	193	182	144	411
19	155	175	240	340	542	529	699	280	186	309	144	328
20	157	175	240	320	746	505	622	321	183	281	139	261
21	155	175	240	640	2250	484	569	370	185	269	137	266
22	153	175	240	1600	2070	469	532	342	204	278	158	727
23	153	175	240	2000	2080	762	525	306	218	223	171	461
24	153	175	240	960	5970	1030	487	387	200	205	265	342
25	157	175	460	1100	5830	718	1240	394	209	195	318	324
26	157	175	480	860	2720	579	2840	336	214	193	466	348
27	157	270	400	600	1670	506	2330	292	212	194	453	444
28	159	319	340	460	1310	466	1400	273	201	187	293	501
29	159	309	300	380	---	440	950	272	186	179	231	389
30	159	327	280	420	---	428	777	323	179	180	211	367
31	157	---	260	419	---	416	---	375	---	181	284	---
TOTAL	4905	5578	8712	17369	36285	23241	41018	12865	7638	6509	6074	8617
MEAN	158	186	281	560	1296	750	1367	415	255	210	196	287
MAX	179	327	480	2000	5970	1500	4810	677	656	309	466	727
MIN	151	153	228	260	372	416	393	272	179	163	137	156
CFSM	.46	.54	.82	1.64	3.79	2.19	4.00	1.21	.75	.61	.57	.84
IN.	.53	.61	.95	1.89	3.95	2.53	4.46	1.40	.83	.71	.66	.94

CAL YR 1978	TOTAL	176164	MEAN 483	MAX 5260	MIN 151	CFSM 1.41	IN 19.16
WTR YR 1979	TOTAL	178811	MEAN 490	MAX 5970	MIN 137	CFSM 1.43	IN 19.45

APALACHICOLA RIVER BASIN

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02341800 UPATOI CREEK NEAR COLUMBUS, GA.--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--November 1977 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	TEMPER- ATURE (DEG C)	SEDI- MENT, SUS- PENDED (MG/L)	SEDI- MENT DIS- CHARGE, SUS- PENDED (T/DAY)
DEC					
06...	0930	372	--	31	31
JAN					
30...	1200	420	--	31	35
FEB					
12...	1720	484	--	43	56
25...	1730	5140	--	370	5140
MAR					
08...	1010	798	10.0	51	110
APR					
04...	1630	7480	17.5	990	20000
25...	1735	1840	19.0	380	1890
JUN					
12...	0850	213	23.0	29	17
JUL					
03...	0930	172	26.0	15	7.0
20...	0830	300	25.5	43	35
AUG					
20...	1130	137	27.0	8	3.0

APALACHICOLA RIVER BASIN

02344040 CHATTAHOOCHEE RIVER NEAR STEAM MILL, GA.

LOCATION.--Lat 30°58'39", long 85°00'19", Seminole County, Ga.--Jackson County, Fla., Hydrologic Unit 03130004, at Herman E. Tadmage Bridge on State Highway 91, 2 mi (3 km) northwest of Steam Mill.

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 Air Temperature, Water Temperature, pH, and Dissolved Oxygen by 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 1978 TO SEPTEMBER 1979

DATE	TIME	PH (UNITS)	TEMPER- ATURE, AIR (DEG C)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
OCT					
05...	1130	7.3	25.0	24.5	8.0
NOV					
16...	1415	7.3	27.0	18.0	8.3
DEC					
06...	0915	7.3	4.0	15.0	8.5
JAN					
09...	1100	7.3	5.5	8.5	10.6
FEB					
05...	1045	6.9	5.5	5.5	11.5
MAR					
05...	1200	6.8	18.0	11.5	--
APR					
02...	1345	7.3	30.0	18.0	8.9
MAY					
07...	1015	7.2	22.0	21.5	8.8
JUN					
06...	0800	7.4	27.0	25.0	6.1
JUL					
10...	0935	6.8	26.0	26.0	6.1
AUG					
14...	1240	7.1	31.0	29.5	6.4
SEP					
05...	1125	7.4	33.0	28.0	6.2

DATE	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	OXYGEN DEMAND, CHEM- ICAL (LOW LEVEL) (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)
OCT						
05...	82	30	7	12	1.5	90
NOV						
16...	105	20	10	7	1.2	90
DEC						
06...	121	50	7	14	1.3	260
JAN						
08...	78	25	11	<5	1.2	230
FEB						
05...	89	20	8	15	1.9	230
MAR						
05...	47	90	25	14	.9	930
APR						
02...	92	30	15	11	1.0	120
MAY						
07...	55	40	11	10	1.8	40
JUN						
06...	67	40	13	16	<.1	230
JUL						
10...	78	80	20	--	1.1	430
AUG						
14...	64	15	8	--	1.6	90
SEP						
05...	76	20	10	--	1.8	200

02344040 CHATTAHOOCHEE RIVER NEAR STEAM MILL, GA.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	ALKA- LINIT (MG/L AS CAC03)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDE (MG/L)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 05...	27	10	.11	<.02	.28	.03	3.0
NOV 16...	37	5	.55	<.02	.40	.03	5.0
DEC 06...	40	1	.42	<.02	.38	.04	3.0
JAN 08...	23	6	.58	.07	.20	.06	2.0
FEB 05...	27	6	.63	.03	.30	.08	2.0
MAR 05...	11	25	.28	.06	.36	.03	4.6
APR 02...	30	15	.40	<.02	.40	.05	3.0
MAY 07...	18	15	.32	<.02	.40	.04	<5.0
JUN 06...	21	9	.26	<.02	.60	.05	2.8
JUL 10...	21	12	.37	.16	--	.10	2.0
AUG 14...	26	8	.23	<.02	--	<.02	1.0
SEP 05...	24	6	.12	<.02	--	.02	3.0

APALACHICOLA RIVER BASIN

02344180 FLINT RIVER NEAR JONESBORO, GA.

LOCATION.--Lat 33°32'14", long 84°22'35", Clayton County, Hydrologic Unit 03130005, at bridge on State Highway 138, 0.8 mi (1.3 km) west of U.S. Highway 41, and 1.5 mi (2.4 km) northwest of Jonesboro.

DRAINAGE AREA.--39.1 mi² (62.9 km²).

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, Air Temperature, Water Temperature, pH, and Dissolved Oxygen by U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	PH (UNITS)	TEMPER- ATURE, AIR (DEG C)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
OCT						
10...	0955	19	6.9	19.5	15.5	5.9
NOV						
13...	0950	21	7.1	18.5	15.0	4.3
DEC						
05...	0915	445	6.4	5.0	12.0	6.7
JAN						
08...	0945	120	7.0	-1.0	8.5	7.0
FEB						
06...	0850	28	6.6	1.0	6.0	7.2
MAR						
07...	0940	61	6.9	11.0	9.0	8.3
APR						
11...	1000	49	7.0	15.5	16.0	6.5
MAY						
03...	1430	34	7.2	25.5	19.5	6.3
JUN						
07...	1340	21	7.0	29.0	23.0	3.7
JUL						
12...	0845	28	7.3	25.0	22.0	5.7
AUG						
15...	1215	15	6.6	27.0	23.0	4.9
SEP						
04...	1030	20	7.1	23.0	24.0	4.0

DATE	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	TUR- BID- ITY (JTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LINITY (MG/L AS CAC03)	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)
OCT											
10...	242	18	4.4	930	59	11	176	1.7	3.7	.62	5.0
NOV											
13...	224	15	4.0	430	53	2	148	1.6	.60	1.0	5.0
DEC											
05...	68	190	1.5	4300	18	80	164	.30	.06	.26	6.0
JAN											
08...	117	48	5.6	9300	27	155	166	.82	.31	.41	7.0
FEB											
06...	150	12	2.5	230	32	6	110	2.1	.60	.68	1.0
MAR											
07...	140	23	3.4	23000	27	13	104	1.8	.14	.32	4.0
APR											
11...	150	20	1.8	430	36	15	104	.66	.98	.35	4.0
MAY											
03...	146	18	3.0	4300	34	15	130	1.8	.32	.43	5.0
JUN											
07...	160	21	3.0	9300	35	10	112	1.7	.18	.70	3.8
JUL											
12...	205	18	2.8	9300	36	21	180	3.8	.21	.92	3.0
AUG											
15...	240	25	2.6	1500	42	20	184	2.7	.24	1.1	4.0
SEP											
04...	179	33	2.4	58000	39	24	148	2.4	.90	.76	2.5

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 (60 m) east of Thomas Road, 0.2 mi (0.3 km) upstream from Camp Creek, and 4.4 mi (7.1 km) northeast of Fayetteville.

DRAINAGE AREA.--49 mi² (79 km²).

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, Air Temperature, Water Temperature, pH, and Dissolved Oxygen by U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	PH (UNITS)	TEMPER- ATURE, AIR (DEG C)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
OCT						
10...	1030	21	7.2	22.0	16.5	4.5
NOV						
13...	1020	20	7.1	20.5	16.0	1.8
DEC						
05...	1000	750	6.4	5.0	12.5	4.2
JAN						
08...	1025	140	6.7	.0	8.0	4.5
FEB						
06...	0930	36	6.8	1.0	6.0	4.7
MAR						
07...	1015	106	7.0	13.0	10.0	3.5
APR						
11...	1045	81	7.0	15.5	13.5	1.8
MAY						
03...	1400	65	7.1	24.0	19.5	2.5
JUN						
07...	1320	57	7.3	30.0	23.0	2.5
JUL						
12...	0815	132	7.6	25.0	21.5	3.5
AUG						
16...	1445	24	7.3	27.0	24.5	1.5
SEP						
04...	1145	42	7.1	24.0	24.0	1.8

DATE	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	TUR- BID- ITY (JTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LINITY (MG/L AS CAC03)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDE (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)
OCT											
10...	366	18	6.2	90	98	14	264	.76	8.8	3.8	12
NOV											
13...	378	13	6.0	40	102	1	284	.90	8.0	2.6	12
DEC											
05...	84	135	3.0	15000	18	82	160	.39	.40	.60	8.0
JAN											
08...	155	23	4.0	2300	36	11	136	.71	2.0	.80	7.0
FEB											
06...	223	11	4.6	40	61	11	154	.46	5.9	2.0	9.0
MAR											
07...	175	20	4.0	9300	40	10	120	.44	2.5	1.0	3.0
APR											
11...	155	18	5.0	43000	50	6	88	.14	3.8	1.3	6.0
MAY											
03...	205	19	4.4	9300	57	20	158	.40	4.0	1.3	8.0
JUN											
07...	260	14	4.0	140	60	9	154	1.2	13	2.0	3.8
JUL											
12...	290	10	5.8	2300	86	6	218	.20	6.5	1.5	7.5
AUG											
16...	330	13	5.6	430	81	11	200	.46	7.5	3.5	10
SEP											
04...	263	16	6.2	930	74	6	176	.46	6.9	1.8	4.5

APALACHICOLA RIVER BASIN

02344380 FLINT RIVER NEAR INMAN, GA.

LOCATION.--Lat 33°23'08", long 84°23'24", Fayette-Clayton County line, Hydrologic Unit 03130005, at bridge on Ackert Road, 0.6 mi (1.0 km) downstream from Gay Creek, and 1.4 mi (2.2 km) east of State Highway 92 at Inman.

DRAINAGE AREA.--158 mi² (254 km²).

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, Air Temperature, Water Temperature, pH, and Dissolved Oxygen by U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	STEAM- FLOW, INSTAN- TANEOUS (CFS)	PH (UNITS)	TEMPER- ATURE, AIR (DEG C)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
OCT						
10...	1140	31	7.0	21.5	15.0	5.9
NOV						
13...	1130	42	7.0	21.0	15.0	4.3
DEC						
05...	1045	294	6.6	6.0	12.5	6.1
JAN						
08...	1125	159	6.6	-1.5	7.0	6.6
FEB						
06...	1020	36	6.4	1.0	6.0	8.0
MAR						
07...	1100	422	6.8	13.5	11.0	7.6
APR						
11...	1115	398	6.8	17.0	16.0	6.0
MAY						
03...	1330	171	7.0	22.0	19.0	6.3
JUN						
07...	1230	107	7.0	29.0	22.5	5.5
JUL						
12...	0745	89	7.3	24.0	21.0	5.2
AUG						
16...	1415	56	7.0	27.0	24.5	3.8
SEP						
04...	1230	119	6.8	23.0	24.0	4.4

DATE	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	TUR- BID- ITY (JTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LINITY (MG/L AS CAC03)	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)
OCT											
10...	273	15	4.8	90	53	3	202	3.0	2.1	.64	6.0
NOV											
13...	252	10	9.6	90	64	<1	166	1.0	3.5	1.0	7.0
DEC											
05...	114	31	1.0	930	22	23	107	.78	.56	.62	6.0
JAN											
08...	121	8	2.8	150	24	5	110	1.3	2.0	.50	5.0
FEB											
06...	118	9	1.2	<30	27	5	90	1.2	.80	.70	2.0
MAR											
07...	75	26	2.0	230	14	10	64	.48	.05	.23	2.0
APR											
11...	70	25	1.8	150	16	12	48	.56	.04	.28	7.0
MAY											
03...	98	11	1.6	70	25	9	92	1.4	.14	.39	<5.0
JUN											
07...	132	12	1.4	90	31	4	92	1.7	.06	.55	2.8
JUL											
12...	190	10	5.2	2300	38	7	144	2.5	.99	.88	4.5
AUG											
16...	170	11	3.0	430	29	8	116	1.8	.53	.94	6.0
SEP											
04...	120	14	1.5	230	29	<1	100	.98	.12	.48	4.5

APALACHICOLA RIVER BASIN

279

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 (5.5 km) upstream from Central of Georgia Railroad bridge, and 8.5 mi (13.7 km) northwest of Griffin.

DRAINAGE AREA.--194 mi² (502 km²).

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, Air Temperature, Water Temperature, pH, and Dissolved Oxygen by U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	STREAM- FLOW. INSTAN- TANEOUS (CFS)	PH (UNITS)	TEMPER- ATURE, AIR (DEG C)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
OCT						
10...	1205	52	7.0	22.5	16.0	6.0
NOV						
13...	1200	61	6.6	21.0	15.0	5.9
DEC						
05...	1115	308	6.5	9.0	12.0	6.2
JAN						
08...	1150	154	6.6	-1.0	7.0	6.5
FEB						
06...	1050	130	6.6	1.0	5.5	8.4
MAR						
07...	1135	880	6.8	15.5	11.5	7.5
APR						
11...	1215	815	6.8	22.0	16.5	7.1
MAY						
03...	1300	190	7.0	24.5	19.0	7.0
JUN						
07...	1200	122	7.1	30.0	23.0	6.3
JUL						
12...	0715	87	7.3	24.0	21.0	6.0
AUG						
16...	1345	59	6.9	27.0	24.0	6.0
SEP						
04...	1410	169	6.9	24.0	24.0	5.2

DATE	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	TUR- BID- ITY (JTU)	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- LITY (MG/L AS CAC03)
OCT							
10...	--	15	14	1.0	1200	<50	41
NOV							
13...	233	10	24	4.0	2300	230	46
DEC							
05...	107	27	20	.8	4300	2300	20
JAN							
08...	103	10	6	2.2	2300	230	19
FEB							
06...	108	8	15	1.0	2900	65	22
MAR							
07...	61	32	17	1.0	930	70	11
APR							
11...	61	27	18	1.1	930	430	14
MAY							
03...	86	12	16	1.0	930	95	22
JUN							
07...	117	12	13	1.0	430	<30	29
JUL							
12...	200	10	12	2.1	--	930	33
AUG							
16...	150	11	18	1.0	--	90	21
SEP							
04...	109	15	18	1.8	--	150	26

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDE (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)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT							
10...	5	190	3.1	.35	.62	.39	6.0
NOV							
13...	1	158	2.0	1.1	1.8	.85	7.0
DEC							
05...	25	112	.87	.22	.60	.53	8.0
JAN							
08...	3	94	1.2	.39	.60	.39	4.0
FEB							
06...	3	86	1.2	.44	.60	.52	3.0
MAR							
07...	9	66	.27	<.02	.30	.16	3.0
APR							
11...	2	28	.44	<.02	.38	.20	7.0
MAY							
03...	8	38	1.1	.04	1.0	.28	--
JUN							
07...	4	78	1.3	<.02	1.0	.31	2.8
JUL							
12...	5	154	2.5	.38	.84	.88	3.0
AUG							
16...	7	108	1.4	.12	.60	.57	3.0
SEP							
04...	2	92	.66	.04	.40	.39	4.5

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 (2.4 km) downstream from Shoal Creek, 5.5 mi (8.8 km) upstream from Line Creek, 10 mi (16 km) west of Griffin, and at mile 304.4 (489.8 km).

DRAINAGE AREA.--272 mi² (704 km²).

PERIOD OF RECORD.--March 1937 to current year. Monthly discharge only for some periods, published in WSP 1304.

GAGE.--Water-stage recorder. Datum of gage is 711.44 ft (216.847 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to Aug. 25, 1938, nonrecording gage at present site at datum 3.00 ft (0.91 m) higher. Aug. 25, 1938, to May 5, 1941, nonrecording gage, May 6, 1941, to Aug. 20, 1959, water-stage recorder, and Aug. 21, 1959 to Sept. 13, 1960, nonrecording gage, all at present site and datum.

REMARKS.--Records good except those for period of no gage-height record, Sept. 20-30, which are fair. Some diurnal fluctuation at low flow. City of Griffin diverted an average of about 8 ft³/s (0.23 m³/s) for municipal supply at pumping plant 6 mi (9.7 km) above station. An average of about 1 ft³/s (0.03 m³/s) of the diversion was discharged as sewage effluent into tributaries of Towaliga River, and an average of about 3 ft³/s (0.08 m³/s) was returned as sewage effluent to Flint River about 49 mi (79 km) downstream. Records of chemical analyses for the water years 1968-69, 1971-72, are published in reports of the Geological Survey.

AVERAGE DISCHARGE.--42 years, 357 ft³/s (10.1 m³/s), 17.82 in/yr (453 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 13,200 ft³/s (374 m³/s) Nov. 27, 1948, gage height, 18.0 ft (5.49 m); minimum daily, 2.5 ft³/s (0.071 m³/s) Oct. 20, 1954.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Mar. 14 or 15, 1929, reached a stage of 17.9 ft (5.46 m), present datum, from floodmark located by local resident, discharge, 15,300 ft³/s (433 m³/s).

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 2,000 ft³/s (56.6 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s) (m ³ /s)		Gage height (ft) (m)		Date	Time	Discharge (ft ³ /s) (m ³ /s)		Gage height (ft) (m)	
Feb. 26	1000	3250	92.0	11.85	3.612	Apr. 9	1400	3890	110	12.44	3.792
Apr. 5	0100	2640	74.8	11.39	3.472	Apr. 15	0700	*6380	181	13.87	4.228

Minimum daily discharge, 38 ft³/s (1.08 m³/s) Oct. 11, 13.

DISCHARGE* IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	58	50	229	190	256	751	205	338	233	75	85	311
2	59	50	193	440	242	527	201	278	200	74	78	238
3	57	52	176	543	235	431	273	247	201	80	72	180
4	60	52	300	592	244	712	1340	241	293	74	70	195
5	54	56	425	573	243	1160	2450	257	263	72	73	160
6	50	57	478	316	275	1530	2450	413	195	99	64	122
7	45	57	645	267	915	1240	1430	326	175	80	60	102
8	44	68	754	281	1190	716	750	331	158	74	56	91
9	41	79	362	271	1270	475	2930	285	151	79	53	83
10	39	90	239	302	1020	389	2160	262	173	88	53	77
11	38	89	217	249	573	449	1080	280	174	102	49	65
12	39	75	244	233	379	437	735	279	138	122	58	60
13	38	67	207	397	315	389	683	263	113	128	79	67
14	39	63	175	444	285	348	2970	245	101	126	121	87
15	40	61	160	497	266	311	5610	236	95	123	138	108
16	57	61	152	432	255	282	2410	219	95	101	99	141
17	65	63	154	297	241	270	1030	188	93	84	73	172
18	54	96	150	253	263	257	635	167	87	77	64	233
19	46	129	144	229	295	247	460	155	86	84	61	350
20	46	149	141	261	345	237	379	151	83	109	58	500
21	46	189	149	833	830	230	332	149	88	135	56	450
22	47	141	163	1010	1270	226	297	145	111	280	65	320
23	46	110	177	1150	1390	247	271	143	102	289	63	350
24	44	102	204	1070	2260	334	250	150	95	236	92	330
25	43	93	251	795	3060	393	286	153	97	192	162	290
26	44	90	274	779	3110	486	558	155	91	191	272	250
27	47	106	313	776	2110	307	744	158	98	184	273	220
28	50	148	229	465	1220	245	1070	147	94	165	282	300
29	51	186	184	342	---	224	963	145	88	136	381	450
30	51	267	170	288	---	214	544	163	80	115	311	700
31	51	---	176	266	---	209	---	175	---	100	232	---
TOTAL	1489	2896	7835	14841	24357	14273	35496	6844	4051	3874	3653	7002
MEAN	48.0	96.5	253	479	870	460	1183	221	135	125	118	233
MAX	65	267	754	1150	3110	1530	5610	413	293	289	381	700
MIN	38	50	141	190	235	209	201	143	80	72	49	60
CFSM	.18	.36	.93	1.76	3.20	1.69	4.35	.81	.50	.46	.43	.86
IN.	.20	.40	1.07	2.03	3.33	1.95	4.85	.94	.55	.53	.50	.96

CAL YR 1978	TOTAL	117464	MEAN 322	MAX 4730	MIN 38	CFSM 1.18	IN 16.06
WTR YR 1979	TOTAL	126611	MEAN 347	MAX 5610	MIN 38	CFSM 1.28	IN 17.32

APALACHICOLA RIVER BASIN

02344700 LINE CREEK NEAR SENOIA, GA.

LOCATION.--Lat 33°19'10", long 84°31'25", Coweta-Fayette County line, Hydrologic Unit 03130005, on downstream side of bridge on State Highway 85, 2.2 mi (3.5 km) northeast of Senoia, 4.1 mi (6.6 km) upstream from Whitewater Creek, and 11.2 mi (18.0 km) upstream from mouth.

DRAINAGE AREA.--101 mi² (262 km²), approximately.

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

GAGE.--Water-stage recorder. Altitude of gage is 740 ft (226 m), from topographic map.

REMARKS.--Records fair. Low flow affected by withdrawals and return flow by several municipalities.

AVERAGE DISCHARGE.--15 years, 139 ft³/s (3.94 m³/s), 18.69 in/yr (475 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 9,580 ft³/s (271 m³/s) Nov. 5, 1977, gage height, 14.88 ft (4.535 m); minimum daily, 3.1 ft³/s (0.088 m³/s) Oct. 14, 1978.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 1,000 ft³/s (28.3 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)	Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
Feb. 25	0700	2290 64.9	10.52 3.206	Apr. 9	1800	1460 41.3	9.48 2.890
Apr. 5	1200	1530 43.3	9.61 2.929	Apr. 14	0800	*4910 139	12.65 3.856

Minimum daily discharge, 3.1 ft³/s (0.088 m³/s) Oct. 14.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.4	4.6	44	64	100	231	75	125	60	14	14	43
2	6.2	4.8	39	147	91	188	74	112	56	13	12	36
3	5.8	4.8	34	217	88	160	96	103	56	12	13	30
4	5.4	4.8	48	159	92	329	461	99	69	10	12	27
5	5.2	5.6	214	128	89	871	1410	101	69	9.3	10	24
6	4.8	5.8	318	115	104	605	690	108	54	8.1	8.1	20
7	4.2	7.0	191	111	314	318	306	102	49	8.0	6.9	17
8	3.5	10	100	113	429	220	197	95	51	8.1	6.2	15
9	3.4	8.5	79	103	356	179	961	94	45	11	5.7	14
10	3.4	7.9	84	91	205	153	766	96	41	18	5.2	12
11	3.3	7.9	81	82	145	168	358	90	36	25	5.1	10
12	3.3	7.6	67	82	126	165	219	92	31	28	5.6	9.4
13	3.2	7.4	58	128	115	138	945	107	25	27	5.4	12
14	3.1	7.0	52	134	109	124	4010	106	23	26	4.7	30
15	3.2	7.6	48	116	109	121	1280	94	22	22	4.4	37
16	3.8	7.6	46	103	113	111	527	75	21	18	4.3	31
17	5.0	9.7	47	95	105	101	314	65	20	14	4.0	52
18	4.0	26	46	84	110	99	226	57	20	13	4.0	180
19	3.8	30	42	77	128	97	180	52	18	24	66	380
20	3.6	34	41	100	135	94	156	51	17	15	36	324
21	4.0	25	46	307	282	91	142	50	18	21	11	135
22	4.2	21	55	340	437	90	130	49	20	62	4.8	292
23	3.4	18	55	250	639	108	119	47	18	83	87	168
24	3.2	16	67	264	1380	175	112	56	17	50	60	95
25	3.4	14	102	367	2000	129	122	79	18	36	51	71
26	3.8	13	94	263	1110	101	278	63	20	29	111	61
27	4.2	20	75	162	602	87	418	51	21	26	168	98
28	4.4	44	62	133	343	82	352	47	20	23	123	203
29	4.4	55	55	116	---	78	194	52	19	20	89	248
30	4.4	50	53	105	---	77	141	67	16	17	67	321
31	4.8	---	59	104	---	76	---	69	---	15	55	---
TOTAL	127.8	484.6	2402	4660	9856	5566	15259	2454	970	705.5	1059.4	2995.4
MEAN	4.12	16.2	77.5	150	352	180	509	79.2	32.3	22.8	34.2	99.8
MAX	6.2	55	318	367	2000	871	4010	125	69	83	168	380
MIN	3.1	4.6	34	64	88	76	74	47	16	8.0	4.0	9.4
CFSM	.04	.16	.77	1.49	3.49	1.78	5.04	.78	.32	.23	.34	.99
IN.	.05	.18	.88	1.72	3.63	2.05	5.62	.90	.36	.26	.39	1.10
CAL YR 1978	TOTAL	40023.5	MEAN 110	MAX 2780	MIN 3.1	CFSM 1.09	IN 14.74					
WTR YR 1979	TOTAL	46539.7	MEAN 128	MAX 4010	MIN 3.1	CFSM 1.27	IN 17.14					

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 (4.0 km) upstream from Lazar Creek, and 7.8 mi (12.6 km) west of Thomaston.
 DRAINAGE AREA.--1,220 mi² (3,160 km²), approximately.
 PERIOD OF RECORD.--May 1966 to current year.
 GAGE.--Water-stage recorder. Datum of gage is 490.00 ft (149.352 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers).
 REMARKS.--Records fair.
 AVERAGE DISCHARGE.--13 years, 1,767 ft³/s (50.0 m³/s), 19.67 in/yr (500 mm/yr).
 EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 34,400 ft³/s (974 m³/s) Mar. 3, 1971, gage height, 18.4 ft (5.61 m), from floodmarks; minimum daily, 110 ft³/s (3.12 m³/s) Oct. 2, 1970.
 EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Nov. 28, 1948 reached a stage of 19.3 ft (5.88 m), from floodmarks.
 EXTREMES FOR CURRENT YEAR.--Maximum discharge, 15,400 ft³/s (436 m³/s) Feb. 25, gage height, 14.19 ft (4.325 m); minimum daily, 148 ft³/s (4.19 m³/s) Oct. 17.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	220	174	769	705	1160	4520	1130	1850	1160	359	353	1070
2	219	176	670	1500	1090	2730	1120	1510	1060	336	322	1110
3	220	180	576	2270	1030	2170	1350	1360	908	316	295	855
4	221	184	564	2060	1140	3040	6710	1260	1050	307	277	661
5	214	188	1280	1750	1180	5160	11900	1340	1090	289	259	561
6	204	196	1880	1470	1250	5280	9360	1490	961	289	253	487
7	188	204	1770	1200	3890	4640	7040	1760	807	316	237	407
8	180	225	1630	1180	5000	3680	4840	1610	733	331	222	360
9	172	225	1390	1140	4240	2490	3840	1460	692	326	218	327
10	168	238	978	1050	3470	1980	7230	1340	658	353	200	300
11	167	234	808	998	2660	2110	8440	1280	622	398	187	277
12	164	238	742	940	1870	2240	5020	1380	581	473	200	259
13	160	236	720	1260	1540	1980	3600	1490	508	526	185	260
14	162	230	657	1680	1390	1780	8180	1460	451	475	180	340
15	160	228	608	1570	1300	1640	11600	1250	422	447	197	361
16	152	229	568	1430	1250	1510	13100	1120	404	427	229	385
17	148	232	560	1250	1190	1420	10600	1010	393	373	218	520
18	156	260	566	1080	1240	1370	4800	901	384	328	189	706
19	172	318	556	983	1360	1340	2350	832	367	381	171	1210
20	168	409	537	1090	1570	1300	1870	797	356	628	158	1770
21	164	422	550	3270	4000	1260	1640	779	363	779	188	1780
22	164	432	577	3970	5940	1240	1480	745	379	1150	239	1540
23	166	391	609	3310	5770	1480	1380	719	409	1260	337	1790
24	165	344	728	3500	10200	1880	1310	742	418	1040	331	1560
25	165	321	992	3350	14500	1910	1600	767	522	814	701	1150
26	166	307	1130	2820	13500	1720	2830	791	455	697	936	947
27	167	386	1040	2480	10800	1580	3650	746	422	631	1290	872
28	168	539	938	2040	7560	1330	3580	701	393	570	1580	1210
29	169	649	776	1550	---	1220	3200	676	375	505	1240	1610
30	172	730	688	1330	---	1170	2600	745	365	443	997	2030
31	180	---	670	1230	---	1150	---	889	---	390	1110	---
TOTAL	5461	9125	26527	55456	111090	68320	147350	34800	17708	15957	13499	26715
MEAN	176	304	856	1789	3968	2204	4912	1123	590	515	435	891
MAX	221	730	1880	3970	14500	5280	13100	1850	1160	1260	1580	2030
MIN	148	174	537	705	1030	1150	1120	676	356	289	158	259
CFSM	.14	.25	.70	1.47	3.25	1.81	4.03	.92	.48	.42	.36	.73
IN.	.17	.28	.81	1.69	3.39	2.08	4.49	1.06	.54	.49	.41	.81
CAL YR 1978	TOTAL	493003	MEAN	1351	MAX	18200	MIN	148	CFSM	1.11	IN	15.03
WTR YR 1979	TOTAL	532008	MEAN	1458	MAX	14500	MIN	148	CFSM	1.20	IN	16.22

APALACHICOLA RIVER BASIN

02347500 FLINT RIVER NEAR CULLODEN, GA.

LOCATION.--Lat 32°43'17", long 84°13'57", Taylor-Upson County line, Hydrologic Unit 03130005, on left bank underneath bridge on U.S. Highway 19, 4 mi (6.4 km) upstream from Auchumpkee Creek, 5 mi (8.0 km) downstream from Swift Creek, 13 mi (20.9 km) southwest of Culloden, and at mile 238.4 (383.6 km).
DRAINAGE AREA.--1,850 mi² (4,790 km²), approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--July 1911 to May 1923, July 1928 to December 1931, March 1937 to current year.

REVISED RECORDS.--WSP 697: 1911-23. WSP 1002: 1943. WSP 1504: 1913, 1916-17, 1918(M), 1919-22, 1923(M), drainage area.

GAGE.--Water-stage recorder. Datum of gage is 334.54 ft (101.968 m) 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 (4.0 km) downstream at different datum. July 21, 1928, to Dec. 31, 1931, and Mar. 18, 1937, to May 3, 1939, nonrecording gage at present site and datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--56 years (1911-22, 1928-31, 1937-79), 2,421 ft³/s (68.6 m³/s), 17.77 in/yr (451 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 92,000 ft³/s (2,610 m³/s) Mar. 15, 1929, gage height, 38.4 ft (11.70 m), from graph based on gage readings; minimum observed, 92 ft³/s (2.61 m³/s) Oct. 4, 6, 7, 1931.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known since at least 1912, that of Mar. 15, 1929.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 11,000 ft³/s (312 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)	Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
Feb. 24	2330	*31100 881	24.62 7.504	Apr. 15	0200	16000 453	16.56 5.047
Apr. 4	2200	20600 583	19.42 5.919				

Minimum discharge, 214 ft³/s (6.06 m³/s) Oct. 17.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	335	242	1090	973	1810	7330	1760	3120	1620	590	539	1190
2	335	234	1000	2780	1690	4790	1720	2520	1660	561	496	1220
3	330	238	860	3930	1600	3720	1820	2240	1360	528	453	1060
4	330	246	809	3180	1760	4550	11400	2070	1310	496	421	881
5	322	250	1260	2540	1930	7300	20100	2070	1430	474	390	732
6	304	258	2390	2170	2050	7460	13900	2140	1340	458	370	666
7	282	274	2250	1820	7860	6450	9690	2450	1160	501	355	572
8	262	304	2060	1850	8520	5480	7360	2470	1130	545	335	501
9	250	345	1830	1770	6640	4060	5630	2260	1020	556	322	453
10	246	365	1450	1570	5140	3210	8530	2080	969	578	326	410
11	251	410	1130	1480	4110	3420	10500	1930	904	625	355	375
12	250	400	1020	1400	3020	3700	7820	1950	863	702	313	355
13	242	400	979	1630	2460	3270	5830	2060	791	803	326	355
14	238	390	937	2310	2190	2890	15400	2090	726	755	295	400
15	234	395	878	2250	2050	2700	15300	1840	666	672	295	507
16	222	400	834	2030	1930	2510	14800	1620	636	648	317	490
17	218	400	818	1840	1840	2330	13100	1470	619	590	335	732
18	222	416	819	1610	1870	2230	7700	1310	607	550	313	927
19	242	463	816	1480	2080	2160	4050	1210	584	517	282	1150
20	254	561	800	2010	2390	2090	3110	1170	561	767	258	1690
21	250	613	801	7880	6760	2030	2690	1170	556	1200	242	1950
22	238	619	828	6740	11100	1970	2420	1110	625	1440	295	1720
23	234	616	852	5060	11100	2140	2240	1060	619	1740	421	1810
24	238	557	941	5640	22200	3360	2120	1150	613	1460	507	1860
25	238	517	1360	5420	28700	3080	2850	1170	785	1210	785	1400
26	238	495	1570	4300	21800	2680	6240	1120	803	1010	1070	1200
27	234	552	1450	3670	14900	2450	6890	1080	714	892	1310	1100
28	238	835	1300	3120	10900	2190	5940	1020	660	822	1660	1360
29	234	934	1140	2450	---	1960	4880	974	625	737	1480	1720
30	234	1040	1000	2080	---	1860	4210	1010	590	666	1220	2280
31	230	---	954	1920	---	1800	---	1190	---	601	1200	---
TOTAL	7975	13769	36226	88903	190400	107170	220000	52124	26546	23694	17286	31066
MEAN	257	459	1169	2868	6800	3457	7333	1681	885	764	558	1036
MAX	335	1040	2390	7880	28700	7460	20100	3120	1660	1740	1660	2280
MIN	218	234	800	973	1600	1800	1720	974	556	458	242	355
CFSM	.14	.25	.63	1.55	3.68	1.87	3.96	.91	.48	.41	.30	.56
IN.	.16	.28	.73	1.79	3.83	2.15	4.42	1.05	.53	.48	.35	.62
CAL YR 1978 TOTAL	740377			MEAN 2028	MAX 36400	MIN 218	CFSM 1.10	IN 14.89				
WTR YR 1979 TOTAL	815159			MEAN 2233	MAX 28700	MIN 218	CFSM 1.21	IN 16.39				

02347500 FLINT RIVER NEAR CULLODEN, GA.--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--March 1968 to June 1979 (discontinued).

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	PH (UNITS)	TEMPER- ATURE, AIR (DEG C)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)				
OCT										
10...	1350	250	7.6	24.0	19.5	9.4				
NOV										
13...	1345	405	7.3	22.0	17.0	10.1				
DEC										
05...	1300	1250	7.1	12.0	13.5	9.6				
JAN										
08...	1315	1860	6.8	4.0	8.0	10.4				
FEB										
06...	1225	1820	6.7	2.0	6.0	11.2				
MAR										
07...	1305	6460	7.2	21.0	14.0	9.8				
APR										
11...	1345	10800	6.8	25.5	17.0	9.4				
MAY										
03...	1025	2240	7.2	25.5	19.5	9.0				
JUN										
07...	0825	1150	7.4	26.0	24.0	7.6				

DATE	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	TUR- BID- ITY (JTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LINITY (MG/L AS CAC03)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT									
10...	101	14	<.1	30	33	.20	.38	.08	3.0
NOV									
13...	107	8	.4	<30	33	.21	.03	.08	3.0
DEC									
05...	83	17	1.0	930	23	.36	<.02	.13	3.0
JAN									
08...	58	18	1.5	150	15	.32	.03	.10	4.0
FEB									
06...	50	12	.6	40	18	.31	<.02	.10	<1.0
MAR									
07...	39	45	1.3	90	9	.13	<.02	.09	4.0
APR									
11...	30	68	1.4	430	8	.10	<.02	.10	8.0
MAY									
03...	44	14	1.1	150	16	1.2	.05	.28	<5.0
JUN									
07...	66	13	.3	110	23	.24	.03	.06	2.3

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 Highways 26 and 49, 1,000 ft (305 m) upstream from Central of Georgia Railway bridge, 1,400 ft (427 m) upstream from Seaboard Coast Line Railroad (formerly Atlanta, Birmingham and Coast) bridge, just upstream from Buck Creek, 1 mi (1.6 km) west of Montezuma, and at mile 180.6 (290.6 km).
DRAINAGE AREA.--2,900 mi² (7,500 km²), 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 some periods, 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 to 1912).

GAGE.--Water-stage recorder. Datum of gage is 255.83 ft (77.977 m) National Geodetic Vertical Datum of 1929. January 1905 to December 1909, and January 1911 to December 1912, nonrecording gage at site 1.5 mi (2.4 km) 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 (152 m) downstream at same datum.

REMARKS.--Records good. Records include flow of Buck Creek. Prior to Dec. 31, 1963, when operation was discontinued, moderate diurnal fluctuation at low flow caused by powerplant above station.

AVERAGE DISCHARGE.--57 years, 3,612 ft³/s (102 m³/s), 16.91 in/yr (430 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 68,900 ft³/s (1,950 m³/s) Nov. 30, 1948, gage height, 25.2 ft (7.68 m); minimum daily, 585 ft³/s (16.6 m³/s) Oct. 26, 1941, Sept. 23, 1956.

FLOODS OUTSIDE PERIOD OF RECORD.--Flood on Mar. 2, 1897, reached a stage of 26.0 ft (7.92 m) at former site, from National Weather Service, discharge, 97,000 ft³/s (2,750 m³/s), from rating curve extended above 10,000 ft³/s (283 m³/s) on basis of peak flows passing upstream and downstream stations.

Flood on Mar. 17, 1929, reached a stage of 27.4 ft (8.35 m), at present site, from National Weather Service, discharge, 92,300 ft³/s (2,610 m³/s), from rating curve extended above 65,000 ft³/s (1,840 m³/s).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 36,400 ft³/s (1,031 m³/s) Feb. 27, gage height, 20.72 ft (6.315 m); minimum daily discharge, 770 ft³/s (21.8 m³/s) Oct. 19.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	961	811	2100	1700	3210	22300	3100	7720	2110	1270	1490	2180
2	963	813	2100	1960	3020	17100	3020	5830	2460	1230	1360	2290
3	956	821	1960	3140	2840	13300	2950	4340	2740	1200	1240	2120
4	937	822	1770	4680	2800	10600	3540	3720	2540	1160	1170	1970
5	921	826	1660	4630	2960	7680	5990	3480	2280	1110	1130	1710
6	902	835	1750	3850	3230	7050	8240	3390	2300	1260	1110	1500
7	881	843	2560	3260	4030	7730	13700	3530	2240	1520	1060	1360
8	860	854	2840	3160	6090	8290	18000	4160	2100	1490	1020	1260
9	840	881	2710	3160	7590	8430	15800	4320	2040	1390	995	1160
10	833	906	2560	3010	8520	7930	12700	4180	2040	1410	960	1080
11	826	936	2320	2760	9080	6550	10500	4130	1910	1390	945	1030
12	812	963	2000	2580	8590	5910	9230	4220	1770	1580	995	990
13	809	984	1810	2550	6220	6020	9520	3980	1680	1660	1040	995
14	811	990	1710	2600	4270	5720	11000	3880	1600	1610	1010	1020
15	804	986	1660	2960	3650	5050	11100	3610	1520	1560	940	1020
16	790	982	1600	3020	3390	4530	12400	3260	1450	1480	900	1050
17	782	989	1550	2860	3200	4190	16200	2910	1400	1430	912	1230
18	771	988	1530	2680	3080	3940	16700	2640	1370	1460	955	1550
19	770	990	1510	2470	3150	3700	15500	2420	1340	1760	925	1860
20	782	997	1510	2360	3410	3610	12900	2370	1300	1790	896	1950
21	799	1030	1510	3360	4290	3540	9400	2300	1320	1850	860	2210
22	805	1100	1510	5840	6560	3460	5250	2270	1360	1930	825	2570
23	802	1140	1520	7180	8220	3570	3870	2210	1430	2090	840	2580
24	801	1160	1630	7950	10300	4180	3430	2200	1460	2310	1200	2490
25	802	1150	1890	8070	15400	4930	3740	2200	1420	2310	1540	2660
26	808	1110	2140	7620	25700	5090	6590	2210	1440	2110	1590	2660
27	818	1190	2330	7210	35700	4520	8230	2120	1560	1920	1850	2870
28	823	1450	2240	6010	30600	3990	8870	2050	1500	1790	2020	2830
29	823	1650	2070	4830	---	3590	9180	1990	1390	1630	2180	2710
30	825	1930	1930	4010	---	3340	8950	1930	1320	1540	2180	2970
31	819	---	1790	3460	---	3190	---	1920	---	1530	2070	---
TOTAL	25936	31127	59770	124930	229100	203030	279600	101490	52390	49770	38208	55875
MEAN	837	1038	1928	4030	8182	6549	9320	3274	1746	1605	1233	1863
MAX	963	1930	2840	8070	35700	22300	18000	7720	2740	2310	2180	2970
MIN	770	811	1510	1700	2800	3190	2950	1920	1300	1110	825	990
CFSM	.29	.36	.67	1.39	2.82	2.26	3.21	1.13	.60	.55	.43	.64
IN.	.33	.40	.77	1.60	2.94	2.60	3.59	1.30	.67	.64	.49	.72
CAL YR 1978	TOTAL	1181894	MEAN	3238	MAX	35900	MIN	770	CFSM	1.12	IN	15.16
WTR YR 1979	TOTAL	1251226	MEAN	3428	MAX	35700	MIN	770	CFSM	1.18	IN	16.05

APALACHICOLA RIVER BASIN

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02349500 FLINT RIVER AT MONTEZUMA, GA.--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.38	1.06	3.56	2.84	5.30	17.71	5.14	10.70	3.74	2.22	2.65	3.86
2	1.39	1.07	3.56	3.32	5.03	15.91	5.02	8.87	4.33	2.14	2.41	4.06
3	1.37	1.08	3.32	5.17	4.77	14.28	4.93	7.21	4.78	2.09	2.17	3.76
4	1.33	1.08	2.96	7.20	4.72	12.57	5.75	6.44	4.44	2.00	2.02	3.49
5	1.30	1.09	2.76	7.14	4.94	10.21	8.57	6.07	4.02	1.92	1.94	3.02
6	1.26	1.11	2.93	6.18	5.32	9.64	10.72	5.94	4.05	2.20	1.90	2.63
7	1.20	1.13	4.33	5.37	6.40	10.26	14.31	6.11	3.96	2.70	1.79	2.37
8	1.16	1.15	4.77	5.23	8.69	10.77	16.27	6.91	3.70	2.66	1.69	2.17
9	1.12	1.20	4.59	5.23	10.13	10.90	15.41	7.11	3.59	2.49	1.63	1.97
10	1.11	1.27	4.36	5.02	10.97	10.44	13.96	6.91	3.58	2.51	1.56	1.81
11	1.09	1.33	3.95	4.66	11.48	9.14	12.56	6.84	3.34	2.49	1.53	1.69
12	1.06	1.39	3.37	4.38	11.04	8.51	11.60	6.93	3.09	2.84	1.63	1.60
13	1.06	1.43	3.02	4.34	8.80	8.62	11.83	6.61	2.92	2.98	1.74	1.61
14	1.06	1.44	2.86	4.41	6.70	8.32	12.90	6.48	2.78	2.90	1.65	1.66
15	1.05	1.43	2.76	4.95	5.92	7.61	12.96	6.10	2.63	2.81	1.51	1.67
16	1.02	1.42	2.65	5.03	5.55	7.03	13.75	5.59	2.51	2.66	1.42	1.73
17	1.00	1.44	2.57	4.80	5.28	6.62	15.57	5.07	2.43	2.59	1.45	2.12
18	.98	1.44	2.52	4.55	5.12	6.30	15.77	4.69	2.38	2.63	1.54	2.72
19	.98	1.44	2.49	4.20	5.21	5.99	15.36	4.30	2.32	3.19	1.48	3.27
20	1.00	1.45	2.48	4.02	5.59	5.87	14.22	4.22	2.25	3.23	1.41	3.41
21	1.04	1.52	2.49	5.52	6.71	5.77	11.88	4.11	2.28	3.33	1.33	3.85
22	1.05	1.69	2.49	8.44	9.15	5.65	8.11	4.04	2.36	3.49	1.26	4.44
23	1.04	1.79	2.50	9.75	10.70	5.81	6.60	3.94	2.50	3.77	1.28	4.44
24	1.04	1.83	2.70	10.45	12.37	6.60	6.08	3.92	2.56	4.16	2.04	4.27
25	1.04	1.81	3.18	10.57	15.21	7.48	6.57	3.93	2.48	4.16	2.70	4.53
26	1.06	1.72	3.63	10.15	18.48	7.65	9.69	3.94	2.53	3.80	2.79	4.52
27	1.08	1.87	3.97	9.78	20.60	7.01	11.23	3.77	2.76	3.46	3.25	4.81
28	1.09	2.39	3.82	8.61	19.63	6.37	11.79	3.65	2.64	3.21	3.57	4.76
29	1.09	2.75	3.51	7.36	---	5.84	12.06	3.52	2.45	2.92	3.86	4.59
30	1.09	3.25	3.25	6.38	---	5.48	11.83	3.42	2.32	2.76	3.87	4.96
31	1.08	---	2.99	5.66	---	5.28	---	3.40	---	2.73	3.66	---
MEAN	1.12	1.54	3.24	6.15	8.92	8.57	11.08	5.51	3.06	2.87	2.09	3.19
MAX	1.39	3.25	4.77	10.57	20.60	17.71	16.27	10.70	4.78	4.16	3.87	4.96
MIN	.98	1.06	2.48	2.84	4.72	5.28	4.93	3.40	2.25	1.92	1.26	1.60

WTR YR 1979 MEAN 4.74 MAX 20.60 MIN .98

APALACHICOLA RIVER BASIN

02349500 FLINT RIVER AT MONTEZUMA, GA.--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--February 1968 to July 1974, August 1976 to current year.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	PH (UNITS)	TEMPER- ATURE, AIR (DEG C)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
OCT 05...	1545	920	6.9	28.0	22.0	8.4
NOV 13...	0830	985	7.1	7.0	13.0	9.1
DEC 06...	1515	1750	6.6	16.0	12.0	10.2
JAN 08...	1450	3170	6.8	8.0	7.0	12.2
FEB 05...	1435	2990	6.8	8.5	4.5	11.6
MAR 05...	1550	7190	6.3	21.5	12.0	--
APR 02...	0800	3030	6.5	17.5	18.0	7.8
MAY 07...	0700	3490	6.7	23.0	20.5	7.4
JUN 06...	1315	2310	7.3	30.0	27.0	6.2
JUL 11...	1155	1380	6.7	30.0	24.5	7.1
AUG 06...	0710	1120	6.2	24.0	24.0	7.4
SEP 10...	0720	1090	6.4	19.5	22.0	7.3

DATE	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LINITY (MG/L AS CAC03)	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 05...	54	40	10	.7	<30	18	11	.22	.04	.02	<1.0
NOV 13...	58	30	10	.6	40	18	5	.13	.04	.02	2.0
DEC 06...	59	50	9	.8	<30	14	13	.26	<.02	.06	2.0
JAN 08...	43	60	16	.9	430	9	8	.29	.02	.09	4.0
FEB 05...	43	30	15	.8	<30	10	21	.26	<.02	.08	1.0
MAR 05...	35	80	24	.8	90	9	36	.17	<.02	.03	4.6
APR 02...	30	50	10	.5	40	7	4	.22	<.02	.03	3.0
MAY 07...	32	80	10	1.8	230	9	17	.31	.03	.05	<5.0
JUN 06...	49	60	20	.8	40	16	20	.24	<.02	.05	3.0
JUL 11...	47	50	17	--	--	15	13	.17	<.02	.02	<1.0
AUG 06...	30	80	22	.7	430	6	15	.31	.05	.04	<1.0
SEP 10...	30	60	12	.7	2300	7	4	.20	.16	.06	2.0

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 (0.8 km) southwest of Byromville, and 11 mi (17.7 km) upstream from mouth.
DRAINAGE AREA.--45 mi² (117 km²), approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--Water years 1951-58 (annual maximum), June 1958 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 286 ft (87 m), from topographic map. Prior to June 19, 1958, crest-stage gage at site 50 ft (15 m) upstream at same datum.

REMARKS.--Records fair.

AVERAGE DISCHARGE.--21 years (1958-79), 50.1 ft³/s (1.42 m³/s), 15.12 in/yr (384 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,940 ft³/s (112 m³/s) Mar. 31, 1970, gage height, 13.30 ft (4.054 m); minimum discharge, 0.1 ft³/s (0.003 m³/s) July 28, 1968.

EXTREMES FOR CURRENT YEAR.--Peak discharge above base of 400 ft³/s (11.3 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)	Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
Feb. 24	2200	*2040 57.8	11.94 3.639	Apr. 26	2200	580 16.4	10.00 3.048

Minimum daily discharge, 3.6 ft³/s (0.102 m³/s) Aug. 23.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.1	5.8	13	9.2	37	158	37	93	38	6.5	7.6	9.7
2	6.1	5.8	11	20	32	135	33	76	30	6.2	6.2	8.1
3	5.8	5.7	9.4	17	30	119	33	64	21	5.4	6.3	7.3
4	5.8	5.5	9.0	13	39	122	81	57	18	5.2	5.2	6.8
5	5.7	5.5	9.0	12	41	122	172	55	16	5.2	5.2	6.7
6	5.5	5.5	8.8	11	49	100	85	58	15	5.9	5.0	6.1
7	5.5	5.8	8.4	16	255	86	54	58	13	63	5.2	6.1
8	5.5	6.4	8.4	30	238	81	46	80	12	39	5.6	5.9
9	5.5	6.2	10	19	120	72	79	64	14	19	5.3	4.5
10	5.7	6.1	10	16	85	65	206	53	14	17	4.6	4.7
11	5.4	5.9	8.8	14	68	114	83	75	12	18	4.3	5.0
12	5.4	5.9	8.3	15	61	129	57	158	10	28	5.5	4.8
13	5.4	5.9	8.3	16	57	88	56	126	9.3	34	6.1	5.6
14	5.7	6.2	8.1	15	52	73	154	73	8.4	19	4.7	6.7
15	5.4	6.1	8.1	14	49	67	119	56	8.3	15	4.4	6.4
16	5.4	6.1	8.1	14	47	59	66	40	8.3	13	4.0	7.0
17	5.5	6.2	8.6	13	42	54	50	34	7.8	11	4.0	10
18	5.2	6.6	8.1	13	40	52	42	30	8.0	10	4.2	9.2
19	5.2	6.4	8.1	12	48	50	36	27	8.1	16	4.1	8.0
20	5.4	6.1	8.3	18	56	48	33	28	7.8	22	4.0	7.2
21	5.4	6.1	9.0	106	110	45	35	30	9.5	75	3.7	7.7
22	5.2	6.0	8.4	103	264	43	30	27	9.2	24	3.8	8.5
23	5.4	6.0	8.0	71	231	65	24	23	29	17	3.6	7.4
24	5.4	6.0	20	78	1080	133	23	27	17	14	3.7	7.2
25	5.7	6.0	18	95	1110	88	81	25	11	12	4.2	16
26	5.5	5.8	13	52	452	58	440	21	9.5	12	8.4	21
27	5.7	9.8	11	46	283	48	458	19	8.8	11	8.2	31
28	5.8	14	10	44	201	43	227	17	8.0	9.6	9.1	21
29	5.8	17	9.5	37	---	40	139	16	7.5	8.1	9.1	117
30	5.8	28	9.2	33	---	37	106	16	6.9	6.7	7.5	165
31	5.8	---	9.3	35	---	37	---	18	---	8.2	9.6	---
TOTAL	172.7	224.4	305.2	1007.2	5177	2431	3085	1544	395.4	556.0	172.4	537.6
MEAN	5.57	7.48	9.85	32.5	185	78.4	103	49.8	13.2	17.9	5.56	17.9
MAX	6.1	28	20	106	1110	158	458	158	38	75	9.6	165
MIN	5.2	5.5	8.0	9.2	30	37	23	16	6.9	5.2	3.6	4.5
CFSM	.12	.17	.22	.72	4.11	1.74	2.29	1.11	.29	.40	.12	.40
IN.	.14	.19	.25	.83	4.28	2.01	2.55	1.28	.33	.46	.14	.44
CAL YR 1978	TOTAL	17881.7	MEAN	49.0	MAX	1490	MIN	4.5	CFSM	1.09	IN	14.78
WTR YR 1979	TOTAL	15607.9	MEAN	42.8	MAX	1110	MIN	3.6	CFSM	.95	IN	12.90

APALACHICOLA RIVER BASIN

02349900 TURKEY CREEK AT BYROMVILLE, GA.--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Miscellaneous samples collected during 1971 and 1973. 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, Air Temperature, Water Temperature, pH, and Dissolved Oxygen by U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	PH (UNITS)	TEMPER- ATURE, AIR (DEG C)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)				
JUL 11...	1125	18	7.2	29.0	23.0	6.2				
AUG 06...	0730	4.9	7.2	24.0	24.0	5.8				
SEP 10...	0950	4.8	7.0	24.5	22.0	5.4				

DATE	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LINITY (MG/L AS CAC03)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
JUL 11...	112	120	30	--	--	43	.24	<.02	.06	<1.0
AUG 06...	146	20	18	.9	40	61	.34	.12	.05	<1.0
SEP 10...	135	20	10	.7	90	61	.40	.06	.06	<1.0

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 (0.3 km) downstream of Turkey Creek, and 12 mi (14.3 km) west of Vienna.

DRAINAGE AREA.--3,390 mi² (8,780 km²).

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 Air Temperature, Water Temperature, pH, and Dissolved Oxygen by U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	PH (UNITS)	TEMPER- ATURE, AIR (DEG C)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
JUL 11...	1055	6.9	28.0	24.0	6.3
SEP 10...	0930	6.7	21.0	26.0	6.6

DATE	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LINITY (MG/L AS CAC03)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
JUL 11...	49	90	22	--	--	14	.24	.04	.02	3.0
SEP 10...	29	70	20	.3	230	9	.24	.02	.03	2.0

APALACHICOLA RIVER BASIN

02350600 KINCHAFOONEE CREEK AT PRESTON, GA.

LOCATION.--Lat 32°03'09", long 84°32'54", Webster County, Hydrologic Unit 03130007, at bridge on State Highway 41, 1 mi (1.6 km) southwest of Preston, and 1 mi (1.6 km) upstream from Harrel Mill Creek.

DRAINAGE AREA.--197 mi² (510 km²).

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, Air Temperature, Water Temperature, pH, and Dissolved Oxygen by U.S. Geological Survey. Water discharge records for the water years 1951-77 are published in reports of the Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	PH (UNITS)	TEMPER- ATURE, AIR (DEG C)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
MAY 14...	1200	205	6.0	--	20.5	6.7
JUL 11...	0945	100	6.6	25.5	22.5	6.5
AUG 06...	0845	80	6.7	30.0	24.0	7.0
13...	1130	93	6.2	--	22.0	6.8
SEP 10...	0820	105	6.5	20.0	23.0	6.9

DATE	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	HARD- NESS (MG/L AS CAC03)	HARD- NESS, NONCAR- BONATE (MG/L CAC03)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)
MAY 14...	100	--	20	--	--	13	2	4.1	.7	1.5	.5
JUL 11...	100	19	--	--	--	--	--	--	--	--	--
AUG 06...	50	25	--	.7	930	--	--	--	--	--	--
13...	5	--	15	--	--	9	1	2.8	.6	1.6	.6
SEP 10...	40	18	--	5.2	230	--	--	--	--	--	--

DATE	ALKA- LINEITY (MG/L AS CAC03)	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)	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)
MAY 14...	11	--	1.2	2.9	.0	6.7	41	.10	.04	.42
JUL 11...	8	--	--	--	--	--	--	.20	<.02	--
AUG 06...	10	--	--	--	--	--	--	.28	.04	--
13...	8	9.8	3.9	2.6	.0	7.2	42	.16	.01	.29
SEP 10...	14	--	--	--	--	--	--	.26	.02	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

[illegible]

APALACHICOLA RIVER BASIN

02352500 FLINT RIVER AT ALBANY, GA.

LOCATION.--Lat 31°35'39", long 84°08'39", Dougherty County, Hydrologic Unit 03130008, on right bank at downstream side of Georgia Northern Railway bridge in Albany, and at mile 103.4 (166.4 km).
DRAINAGE AREA.--5,310 mi² (13,800 km²), approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--February 1897 to September 1901 (gage heights only), October 1901 to June 1921, September 1929 to current year. Monthly discharges only for some periods, published in WSP 1304. Gage-height records collected at site 1 mi (1.6 km) 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 (45.729 m) National Geodetic Vertical Datum of 1929. Prior to Jan. 1, 1902, nonrecording gage at site 1 mi (1.6 km) downstream at datum 1.3 ft (0.40 m) lower. Jan. 1, 1902, to June 30, 1921, nonrecording gage at site 1 mi (1.6 km) downstream at datum 2.0 ft (0.61 m) lower.

REMARKS.--Records good. Flow regulated by powerplants at Flint River Reservoir since 1921, capacity, 7,500 acre-ft (9.25 hm³); and at Warwick Reservoir since 1930, capacity about 35,000 acre-ft (43.2 hm³). Normal operation of powerplants does not materially affect figures of monthly runoff.

AVERAGE DISCHARGE.--69 years (1901-20, 1929-79), 6,339 ft³/s (180 m³/s), 16.21 in/yr (412 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 77,000 ft³/s (2,180 m³/s) Mar. 7, 1966, gage height, 34.72 ft (10.583 m); minimum daily, 327 ft³/s (9.26 m³/s) Aug. 24, 1930.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since at least 1893, 37.84 ft (11.534 m) Jan. 21, 1925, from floodmark, present site and datum, discharge, 92,000 ft³/s (2,610 m³/s) from rating curve extended above 75,000 ft³/s (2,120 m³/s).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 41,800 ft³/s (1,180 m³/s) Feb. 26, gage height, 26.13 ft (7.964 m); minimum daily, 936 ft³/s (26.5 m³/s) Oct. 1.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	935	1940	4310	1520	5870	39000	5020	15600	3880	2270	3290	2680
2	1460	1350	2710	3210	5440	39700	5310	13400	3970	1660	2790	3130
3	1600	1910	2350	4910	3510	34300	5090	8900	3930	1560	2680	3810
4	1810	1750	2520	5290	4070	29100	6460	8940	4030	2240	3040	4100
5	2250	1250	4690	5500	5520	20800	7930	6870	4920	2650	2110	3230
6	1940	1940	4600	5160	7490	15300	11900	5120	4600	2270	2070	3080
7	1320	1570	3830	4510	12500	13300	14200	5750	4580	1980	2650	2910
8	1040	1110	3440	4390	12700	10400	15700	6770	4130	2210	2410	2260
9	1310	1750	3310	6370	12400	12600	21200	6480	1430	2140	2410	1250
10	1500	1910	2310	6010	12200	13600	22700	6160	2550	3550	2220	1010
11	1530	2210	3720	5870	12900	14500	21900	7830	2190	3610	1940	1570
12	1220	1500	3920	6070	14600	11200	18600	6610	2710	3510	1670	1950
13	1540	1460	3400	4750	12600	10600	16600	7680	2920	3640	1450	2930
14	1220	1430	2800	2270	11300	10700	16900	7700	2290	4250	1460	2050
15	1060	1330	3510	4590	8740	10200	16300	6570	2000	3850	1450	1360
16	1290	1510	2850	4760	6040	9720	17500	6460	1930	2850	1510	1570
17	1750	1420	1480	5650	6160	8440	16900	4400	1250	3040	1570	1890
18	1790	1340	1830	3900	5800	5000	19400	3770	1810	3330	1390	1930
19	2140	1900	2650	4150	6090	7530	20700	3550	2620	3140	1130	2880
20	2030	1660	1930	3490	6100	7770	21600	4170	2250	3450	1520	2770
21	1580	1970	2240	5020	6220	6150	19300	4830	2710	3880	2090	3140
22	2240	1960	1770	7230	6840	6120	17100	4560	3580	4010	2200	2470
23	1520	1770	2060	7060	12500	6480	10000	3360	3180	5720	2020	2630
24	2460	1280	2700	9860	20500	6440	6030	2820	1960	4270	1570	3540
25	2650	1840	2060	10200	31600	7930	5400	3300	3330	4080	1540	5250
26	2490	2210	2140	10800	40800	7640	11200	3020	3770	3220	1130	6950
27	2800	2200	3860	10600	40300	8180	15400	2600	2940	4020	1720	7030
28	2530	2480	4540	11500	38900	8210	15800	2610	2760	3970	2480	6720
29	1800	2640	3950	8960	---	7260	18600	4070	2410	3600	2940	6710
30	1990	4490	2920	8820	---	7250	15600	3670	1820	2750	3150	4780
31	2020	---	1420	8770	---	5830	---	3270	---	3820	3230	---
TOTAL	54616	55420	91920	191190	370090	401250	436340	180840	88450	100540	64830	97580
MEAN	1762	1847	2965	6167	13220	12940	14540	5834	2948	3243	2091	3253
MAX	2650	4490	4690	11500	40800	39700	22700	15600	4920	5720	3290	7030
MIN	936	1110	1420	1520	3510	5000	5020	2600	1250	1560	1130	1010
CFSM	.33	.35	.56	1.16	2.49	2.44	2.74	1.10	.56	.61	.39	.61
IN.	.38	.39	.64	1.34	2.59	2.81	3.06	1.27	.62	.70	.45	.68
CAL YR 1978 TOTAL	2179306	MEAN	5971	MAX	43900	MIN	936	CFSM	1.12	IN	15.27	
WTR YR 1979 TOTAL	2133066	MEAN	5844	MAX	40800	MIN	936	CFSM	1.10	IN	14.94	

02352500 FLINT RIVER AT ALBANY, GA.--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.17	3.45	5.16	2.94	6.02	24.99	5.66	11.78	4.99	3.79	4.62	4.15
2	2.87	2.76	4.18	4.35	5.84	25.26	5.82	10.28	5.03	3.13	4.23	4.50
3	3.07	3.31	3.87	5.54	4.63	23.14	5.65	7.71	4.99	3.02	4.10	4.99
4	3.30	3.24	3.97	5.80	5.06	20.81	6.42	7.72	5.10	3.70	4.44	5.09
5	3.76	2.68	5.37	5.91	5.92	15.59	7.22	6.63	5.56	4.08	3.61	4.59
6	3.44	3.39	5.34	5.74	6.97	11.61	9.20	5.70	5.41	3.72	3.58	4.46
7	2.68	2.98	4.85	5.38	9.75	10.18	10.35	6.05	5.39	3.48	4.10	4.31
8	2.32	2.43	4.68	5.31	9.81	8.51	11.16	6.59	5.10	3.68	3.88	3.72
9	2.69	3.20	4.42	6.37	9.90	9.80	14.96	6.44	2.78	3.54	3.87	2.60
10	2.91	3.39	3.82	6.19	9.55	10.38	16.11	6.27	4.03	4.82	3.73	2.28
11	2.96	3.73	4.79	6.11	9.96	11.00	15.52	7.16	3.71	4.87	3.45	3.03
12	2.59	2.90	4.91	6.21	11.09	8.95	12.99	6.50	4.14	4.80	3.15	3.43
13	2.96	2.87	4.62	5.38	9.80	8.59	11.54	7.07	4.30	4.89	2.88	4.33
14	2.59	2.82	4.21	3.71	9.03	8.66	11.77	7.08	3.77	5.24	2.90	3.47
15	2.35	2.71	4.71	5.40	7.64	8.37	11.28	6.48	3.51	5.00	2.88	2.77
16	2.63	2.94	4.15	5.49	6.20	8.12	12.12	6.42	3.43	4.28	2.97	3.03
17	3.24	2.84	2.93	6.00	6.27	7.47	11.71	5.22	2.61	4.44	3.04	3.37
18	3.28	2.74	3.27	4.95	6.07	5.50	13.65	4.87	3.15	4.67	2.81	3.43
19	3.65	3.38	4.13	5.10	6.23	7.01	14.66	4.72	3.97	4.52	2.46	4.26
20	3.53	3.11	3.42	4.67	6.22	7.13	15.33	5.12	3.74	4.76	2.94	4.18
21	3.04	3.48	3.79	5.63	6.29	6.25	13.75	5.50	4.14	5.03	3.58	4.52
22	3.75	3.47	3.25	6.82	6.63	6.25	12.37	5.36	4.76	5.12	3.64	3.95
23	2.92	3.27	3.55	6.74	9.78	6.45	8.14	4.62	4.43	6.03	3.49	4.06
24	3.97	2.63	4.18	8.20	15.47	6.42	6.21	4.09	3.47	5.16	3.03	4.80
25	4.14	3.27	3.58	8.40	21.88	7.21	5.86	4.56	4.54	5.05	2.99	5.78
26	4.00	3.73	3.64	8.75	25.73	7.07	8.97	4.37	4.85	4.49	2.43	6.69
27	4.10	3.71	4.89	8.60	25.50	7.33	11.66	4.07	4.27	5.12	3.16	6.74
28	4.04	3.99	5.32	9.14	24.98	7.36	11.93	3.92	4.10	5.08	3.97	6.57
29	3.30	4.13	4.98	7.73	---	6.85	14.01	4.93	3.86	4.84	4.35	6.56
30	3.51	5.53	4.37	7.66	---	6.85	11.76	4.75	3.32	4.16	4.51	5.47
31	3.54	---	2.77	7.78	---	6.08	---	4.58	---	5.00	4.59	---
MEAN	3.20	3.27	4.23	6.19	10.29	10.17	10.93	6.02	4.22	4.50	3.53	4.37
MAX	4.14	5.53	5.37	9.14	25.73	25.26	16.11	11.78	5.56	6.03	4.62	6.74
MIN	2.17	2.43	2.77	2.94	4.63	5.50	5.65	3.92	2.61	3.02	2.43	2.28

WTR YR 1979 MEAN 5.88 MAX 25.73 MIN 2.17

APALACHICOLA RIVER BASIN

02352500 FLINT RIVER AT ALBANY, GA.--Continued

WATER-QUALITY RECORDS

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	PH (UNITS)	TEMPER- ATURE, AIR (DEG C)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)					
DEC 06...	1330	2740	6.6	15.0	15.0	10.0					
MAR 05...	1410	19800	6.6	20.0	13.5	--					
JUN 06...	1140	3710	7.5	29.0	27.0	7.2					
SEP 05...	0930	3370	7.3	29.0	27.0	6.2					

DATE	SPF- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LINITY (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 06...	83	40	8	2.5	230000	23	.16	.84	.84	2.0
MAR 05...	47	120	25	1.1	430	13	.23	<.02	.03	7.7
JUN 06...	70	60	14	.7	430	25	.31	<.02	.04	6.0
SEP 05...	72	30	7	.5	230	26	.16	.06	<.02	1.5

02352790 FLINT RIVER NEAR PUTNEY, GA.

LOCATION.--Lat 31°26'39", long 84°08'16", Dougherty County, Hydrologic Unit 03130008, at Plant Mitchell intake, and 2.5 mi (4.0 km) south of Putney.

DRAINAGE AREA.--5,340 mi² (13,800 km²), approximately.

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

PERIOD OF DAILY RECORD.--

WATER TEMPERATURES: July 1979 to current year.

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, Air Temperature, Water Temperature, pH, and Dissolved Oxygen by U.S. Geological Survey.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURES: Maximum, 30.0°C Aug. 9, 10, 1979; minimum, 22.0°C Sept. 25-30, 1979.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURES: Maximum, 30.0°C Aug. 9, 10; minimum, 22.0°C Sept. 25-30.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	PH (UNITS)	TEMPER- ATURE, AIR (DEG C)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
OCT						
05...	1315	2750	7.3	30.0	24.0	6.3
NOV						
16...	1545	2250	7.5	26.0	18.0	7.7
DEC						
06...	1200	5600	7.1	15.0	14.5	10.0
JAN						
08...	1300	4220	7.5	11.0	8.0	11.1
FEB						
05...	1250	5050	6.9	8.0	6.0	11.4
MAR						
05...	0930	30700	6.6	15.0	14.5	--
APR						
02...	1140	4900	7.2	27.5	19.0	8.8
MAY						
07...	0845	5400	7.6	24.5	22.0	7.3
JUN						
06...	1010	5400	7.5	27.5	27.0	6.9
JUL						
10...	0630	4400	7.4	23.0	26.5	6.2
AUG						
14...	1435	2000	7.5	31.0	28.0	5.0
SEP						
05...	0830	4040	7.4	26.0	27.0	6.5

DATE	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	OXYGEN DEMAND, CHEM- ICAL (LOW LEVEL) (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)
OCT						
05...	97	20	5	10	.6	4300
NOV						
16...	121	40	10	6	1.0	5900
DEC						
06...	76	30	7	6	.6	2300
JAN						
08...	69	40	6	<5	1.3	4300
FEB						
05...	69	80	19	14	.9	680
MAR						
05...	47	140	29	19	1.2	1500
APR						
02...	120	40	20	15	2.2	230
MAY						
07...	79	70	9	20	1.0	4300
JUN						
06...	86	60	14	12	.6	2300
JUL						
10...	99	50	15	--	.9	15000
AUG						
14...	106	20	6	--	.6	4300
SEP						
05...	89	25	8	--	.5	3300

02352790 FLINT RIVER NEAR PUTNEY, GA.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	ALKA- LITY (MG/L AS CAC03)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDE (MG/L)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT							
05...	37	4	.38	.19	.26	.19	3.0
NOV							
16...	40	5	.47	.22	.50	.20	4.0
DEC							
06...	23	1	.19	.09	.68	.08	1.0
JAN							
08...	20	<1	.31	.13	.30	.09	6.0
FEB							
05...	20	12	.41	.06	.29	.12	2.0
MAR							
05...	12	5	.22	<.02	.36	.03	6.2
APR							
02...	47	24	.46	<.02	.60	.10	3.0
MAY							
07...	30	4	.37	.11	.48	.06	<5.0
JUN							
06...	28	7	.38	.09	.60	.07	2.8
JUL							
10...	35	17	.41	.16	--	.16	1.0
AUG							
14...	49	3	.60	.16	--	.12	<1.0
SEP							
05...	31	2	.24	.16	--	.08	1.0

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1							---	---	28.5	28.0	29.0	28.0
2							---	---	28.5	27.5	29.0	28.0
3							---	---	29.0	27.0	28.5	28.0
4							---	---	29.0	27.5	28.5	27.0
5							---	---	28.5	27.5	28.0	27.0
6							---	---	29.0	28.0	28.0	27.0
7							---	---	29.5	28.0	28.0	27.0
8							---	---	29.5	28.5	28.0	27.5
9							---	---	30.0	28.5	27.5	26.5
10							---	---	30.0	28.5	26.5	25.5
11							---	---	29.0	28.0	26.5	25.0
12							---	---	29.0	27.5	26.0	25.5
13							---	---	28.0	27.0	26.5	26.0
14							---	---	28.0	26.5	27.0	26.0
15							---	---	28.0	26.5	26.5	25.5
16							---	---	28.0	26.5	26.5	25.5
17							28.5	27.5	27.5	26.5	25.5	24.5
18							28.5	28.0	27.5	26.5	25.0	24.5
19							28.0	27.5	27.5	26.0	25.0	24.5
20							28.0	27.0	28.0	26.5	25.5	24.5
21							28.5	27.5	29.0	27.0	25.0	24.5
22							28.5	28.0	29.0	27.5	25.5	24.5
23							28.5	27.5	28.5	27.5	25.0	24.5
24							28.0	27.5	28.0	27.0	24.5	23.5
25							28.0	27.5	27.5	26.5	23.5	22.0
26							27.5	27.0	28.0	26.5	22.5	22.0
27							28.0	26.5	27.5	26.5	22.0	22.0
28							28.5	27.5	28.5	27.5	22.0	22.0
29							28.5	27.5	28.5	27.5	22.5	22.0
30							28.5	27.5	29.0	28.0	22.5	22.0
31							29.0	27.5	29.0	28.0	---	---
MONTH							29.0	26.5	30.0	26.0	29.0	22.0

02353000 FLINT RIVER AT NEWTON, GA.

LOCATION.--Lat 31°18'34", long 84°20'06", Baker-Mitchell County line, Hydrologic Unit 03130008, on downstream side of pier of bridge on State Highway 37 at Newton, 1 mi (1.6 km) downstream from Coolewahee Creek, and at mile 69.5 (111.8 km).
DRAINAGE AREA.--5,740 mi² (14,900 km²), approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--April 1938 to September 1950 (monthly discharge only for some periods, published in WSP 1304), October 1956 to current year.
GAGE.--Water-stage recorder. Datum of gage is 110.20 ft (33.589 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to Nov. 12, 1956, nonrecording gage at same site and datum.
REMARKS.--Records good. Flow regulated by powerplants at Flint River Reservoir since 1921, capacity, 7,500 acre-ft (9.25 hm³); and at Warwick Reservoir since 1930, capacity, about 35,000 acre-ft (43.2 hm³). Normal operation of powerplants does not materially affect figures of monthly runoff.
AVERAGE DISCHARGE.--35 years, 7,104 ft³/s (201 m³/s), 16.81 in/yr (427 mm/yr).
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 66,000 ft³/s (1,870 m³/s) Mar. 9, 1966, gage height, 34.9 ft (10.64 m); minimum, 790 ft³/s (22.4 m³/s) Oct. 20, Nov. 10, 1940.
EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known since at least 1893, 41.3 ft (12.59 m) Jan. 21, 1925, from floodmarks; discharge, 94,000 ft³/s (2,660 m³/s).
EXTREMES FOR CURRENT YEAR.--Maximum discharge, 37,400 ft³/s (1,060 m³/s) Mar. 3, gage height, 25.25 ft (7.696 m); minimum, 1,410 ft³/s (39.9 m³/s) Oct. 16.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1490	2450	4620	1790	7450	36900	6240	14300	4930	2910	4480	3500
2	1460	2120	3520	2180	6040	37000	5570	14200	5130	2890	3900	3510
3	1930	1740	2980	4370	5460	37200	6170	11200	4870	2370	3700	3700
4	1970	2260	2760	4770	4390	34900	6140	9300	4990	2700	3650	4540
5	2400	1950	3940	5160	4740	30600	7650	9130	5450	3220	3430	3980
6	2450	1610	4500	5380	6680	22500	8810	6990	5460	3350	2820	3750
7	2190	2450	4450	4830	9350	15500	11600	6510	5500	2890	3250	3600
8	1630	1730	3690	4460	11300	13000	11600	7630	5390	2910	3310	3280
9	1520	1600	4030	5470	11500	12000	15600	7510	3930	2610	3200	2450
10	1740	2070	2780	6040	11500	13300	18200	7360	3000	3880	2970	1650
11	1880	2470	2950	5830	11200	13400	19400	7930	3370	4340	2820	1750
12	1850	2350	4330	5880	12900	13700	17900	8010	3330	4430	2560	2100
13	1680	1720	4040	5830	11700	11100	15300	7350	3930	4390	2250	2600
14	1830	1900	3230	3600	11600	10900	14400	8600	3690	4740	2130	3300
15	1600	1780	3630	3840	9970	10800	15000	7630	3070	4800	2100	2550
16	1450	1650	3710	5160	7920	10000	14300	7260	3000	4280	2060	1950
17	1850	1840	2540	4980	6740	9560	14600	6650	2640	3910	2150	2250
18	2000	1760	1910	5300	6690	7750	15300	5370	2100	4130	2120	2600
19	2290	1700	2710	4330	6430	7020	17200	5190	3470	4310	1940	3000
20	2490	2230	2860	4490	6580	8360	18400	4480	3030	4230	1750	3430
21	2190	1990	2280	4110	6590	7700	18400	5770	3320	4630	2340	3250
22	2040	2340	2640	5630	6770	7120	16800	5770	3880	4730	2820	3350
23	2470	2180	2050	6900	8570	7000	13000	5240	4470	5130	2680	2810
24	2200	2060	2870	7680	14100	7320	8720	4060	3270	5730	2270	3540
25	2840	1580	2940	8420	20800	7540	7210	4440	3010	4940	2170	4380
26	2980	2450	2350	9820	26300	7970	8390	4490	4720	4660	2060	6080
27	2890	2450	2760	10400	32000	8160	12400	3950	4080	4230	1740	6890
28	3030	2700	4500	11100	35900	8310	14100	3500	3730	4850	2670	6750
29	2740	2910	4430	9310	---	8080	15800	4160	3520	4610	3270	6680
30	2070	4150	3510	8560	---	7640	16300	5170	2870	4010	3510	6190
31	2520	---	3020	8500	---	6940	---	4350	---	4150	3690	---
TOTAL	65670	64190	102530	184120	321170	439270	390500	213500	117150	124960	85810	109410
MEAN	2118	2140	3307	5939	11470	14170	13020	6887	3905	4031	2768	3647
MAX	3030	4150	4620	11100	35900	37200	19400	14300	5500	5730	4480	6890
MIN	1450	1580	1910	1790	4390	6940	5570	3500	2100	2370	1740	1650
CFSM	.37	.37	.58	1.04	2.00	2.47	2.27	1.20	.68	.70	.48	.64
IN.	.43	.42	.66	1.19	2.08	2.85	2.53	1.38	.76	.81	.56	.71
CAL YR 1978 TOTAL	2282250	MEAN	6253	MAX	40700	MIN	1450	CFSM	1.09	IN	14.79	
WTR YR 1979 TOTAL	2218280	MEAN	6077	MAX	37200	MIN	1450	CFSM	1.06	IN	14.38	

APALACHICOLA RIVER BASIN

02353000 FLINT RIVER AT NEWTON, GA.--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--February 1968 to June 1979 (discontinued).

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	PH (UNITS)	TEMPER- ATURE, AIR (DEG C)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
DEC 06...	1030	4920	7.2	10.0	14.0	9.8
MAR 05...	1000	30100	6.7	13.0	13.0	--
JUN 06...	0920	5710	7.6	29.0	26.0	6.6
JUL 10...	0740	3420	7.6	26.0	26.0	6.2

DATE	SPF- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LINITY (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 06...	83	30	7	.6	2300	28	.19	.05	.07	1.0
MAR 05...	45	160	32	.9	930	11	.18	<.02	.03	6.2
JUN 06...	102	50	14	.9	90	37	.51	.05	.08	3.0
JUL 10...	132	20	7	.8	580	49	.81	.04	.08	6.5

APALACHICOLA RIVER BASIN

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02353500 ICHAWAYNOCHAWAY CREEK AT MILFORD, GA.

LOCATION.--Lat 31°22'58", long 84°32'32", Baker County, Hydrologic Unit 03130009, on downstream end of left bank pier of bridge on State Highway 216 at Milford, 2.2 mi (3.5 km) upstream from Alligator Creek, and 5.5 mi (8.8 km) upstream from Chickasaw-hatchee Creek.

DRAINAGE AREA.--620 mi² (1,610 km²), approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--August 1905 to December 1907, October 1939 to current year.

GAGE.--Water-stage recorder. Datum of gage is 150.3 ft (45.811 m) 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 (137 m) of present site at various datums. Oct. 1, 1939, to Nov. 10, 1941, nonrecording gage at site 100 ft (30 m) downstream at present datum.

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

AVERAGE DISCHARGE.--42 years, 804 ft³/s (22.8 m³/s), 17.61 in/yr (447 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 11,900 ft³/s (337 m³/s) Jan. 27, 1978, gage height, 15.08 ft (4.596 m); minimum, 116 ft³/s (3.29 m³/s) Sept. 16, 17, 1968.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in July 1916 reached a stage of 17.2 ft (5.24 m), from information by local resident, discharge, 15,500 ft³/s (439 m³/s).

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 3,000 ft³/s (85.0 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
Feb. 26	1700	*8010 227	11.91 3.630

Minimum discharge, 168 ft³/s (4.76 m³/s) Aug. 22.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	281	248	870	485	800	2880	654	1030	530	301	440	333
2	289	248	916	542	781	2180	646	774	550	286	473	323
3	289	248	750	685	764	1800	643	676	520	289	462	295
4	294	244	590	755	758	1590	716	640	500	270	407	297
5	281	224	495	796	815	1450	1110	625	480	253	368	307
6	264	248	460	754	964	1370	1610	620	425	241	337	291
7	264	252	450	686	1620	1320	2040	615	395	239	349	266
8	256	264	440	714	2090	1210	1920	619	362	284	358	246
9	244	294	435	792	2250	1070	1390	625	353	411	304	222
10	240	321	435	892	2250	952	1020	621	348	417	269	209
11	240	312	450	969	1880	942	1050	612	316	409	251	199
12	240	303	445	854	1450	1000	1150	645	289	476	232	206
13	248	294	425	783	1070	1060	1060	667	269	662	236	215
14	256	294	415	777	928	1150	966	845	256	796	268	239
15	260	289	405	755	881	1070	938	930	240	785	245	321
16	273	294	395	721	858	941	886	830	228	705	219	391
17	260	294	395	656	834	841	810	624	220	694	208	405
18	252	303	400	595	809	789	719	528	208	557	206	482
19	240	303	410	566	773	770	658	484	208	449	200	592
20	244	312	410	570	834	762	597	449	201	574	195	622
21	244	316	405	788	887	746	565	432	190	766	177	525
22	244	303	410	1000	1050	735	548	426	208	820	173	443
23	240	298	420	1230	1230	753	538	418	273	707	174	457
24	244	298	470	1460	2080	876	547	416	353	584	197	502
25	244	303	618	1490	3720	1020	688	415	425	604	242	488
26	248	307	767	1340	7370	1070	1080	414	450	572	286	612
27	236	312	871	1130	6750	998	1380	420	449	545	353	834
28	240	380	812	1020	4310	835	1630	440	400	545	347	1070
29	244	520	652	933	---	738	1700	460	364	504	387	1240
30	248	683	538	841	---	698	1430	480	335	444	458	1210
31	248	---	499	804	---	663	---	500	---	433	406	---
TOTAL	7895	9309	16453	26383	50806	34279	30689	18280	10345	15622	9227	13842
MEAN	255	310	531	851	1815	1106	1023	590	345	504	298	461
MAX	294	683	916	1490	7370	2880	2040	1030	550	820	473	1240
MIN	236	224	395	485	758	663	538	414	190	239	173	199
CFSM	.41	.50	.86	1.37	2.93	1.78	1.65	.95	.56	.81	.48	.74
IN.	.47	.56	.99	1.58	3.05	2.06	1.84	1.10	.62	.94	.55	.83
CAL YR 1978	TOTAL	327288	MEAN 897	MAX 11600	MIN 220	CFSM 1.45	IN 19.64					
WTR YR 1979	TOTAL	243130	MEAN 666	MAX 7370	MIN 173	CFSM 1.07	IN 14.59					

APALACHICOLA RIVER BASIN

02353500 ICHAWAYNOCHAWAY CREEK AT MILFORD, GA.--Continued

WATER-QUALITY RECORDS

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)				
MAY 14...	1350	864	68	6.6	22.5	6.8				
AUG 13...	1330	--	90	7.2	25.0	6.8				

DATE	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	HARD- NESS (MG/L AS CAC03)	HARD- NESS, NONCAR- BONATE (MG/L CAC03)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LITY (MG/L CAC03)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2)
MAY 14...	100	35	28	5	9.9	.8	2.1	.8	23	--
AUG 13...	30	5.0	39	0	14	1.0	2.2	.5	39	4.8

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)	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,NH4 + ORG. SUSP. TOTAL (MG/L AS N)
MAY 14...	1.0	4.1	.0	6.3	58	.32	.02	.83	.85	.08
AUG 13...	1.7	4.2	.0	7.1	63	.53	.00	.18	.18	.00

DATE	NITRO- GEN,AM- MONIA + ORGANIC DIS- SOLVED (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHATE, TOTAL (MG/L AS P04)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	ALUM- INUM, DIS- SOLVED (UG/L AS AL)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC DIS- SOLVED (UG/L AS AS)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)
MAY 14...	.77	1.2	.09	.28	.01	60	1	1	1	20
AUG 13...	--	.71	.01	--	.01	20	1	1	1	10

DATE	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)	CARBON, ORGANIC TOTAL (MG/L AS C)
MAY 14...	2	490	8	2	20	<.5	<.5	0	0	6.5
AUG 13...	2	330	1	1	60	<.5	<.5	0	2	2.7

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 (0.3 km) downstream from Seaboard Coast Line Railroad bridge, at mile 29.0, and 29.2 mi (47.0 km) upstream from Jim Woodruff Dam.

DRAINAGE AREA.--7,570 mi² (19,600 km²).

PERIOD OF RECORD.--Discharge: October 1907 to December 1913, October 1928 to September 1971. Monthly discharge only for some periods, published in WSP 1304. 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, 1978-79.

Continuous gage-height record: August 1977 to current year.

GAGE.--Water-stage recorder. Datum of gage is 58.06 ft (17.697 m) National Geodetic Vertical Datum of 1929. Prior to Dec. 31, 1913, nonrecording gage at same site at datum 0.3 ft (0.09 m) higher. Oct. 1, 1928, to Jan. 14, 1929, nonrecording gage at present site and datum. Auxiliary water-stage recorder at site 6.4 mi (10.3 km) upstream Jan. 15, 1957, to September 1971.

REMARKS.--Flow regulated by powerplants at Flint River Reservoir since 1921, capacity, 7,500 acre-ft (9.25 hm³); and at Warwick Reservoir since 1930, capacity, about 35,000 acre-ft (43.2 hm³). Normal operation of powerplants does not materially affect figures of monthly runoff.

AVERAGE DISCHARGE.--49 years (water years 1908-13, 1929-71), 8,740 ft³/s (248 m³/s), 15.68 in/yr (398 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 83,200 ft³/s (2,360 m³/s) Mar. 21, 1929, gage height, 37.73 ft (11.500 m); minimum daily discharge, 1,340 ft³/s (37.9 m³/s) Sept. 25, 1963.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known since at least 1893, 40.0 ft, present datum, Jan. 24, 1925, discharge, 101,000 ft³/s (2,860 m³/s), from rating curve extended above 70,000 ft³/s (1,980 m³/s) on basis of slope-conveyance studies.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 40,600 ft³/s (1,150 m³/s) Mar. 1, gage height, 26.15 ft (7.971 m).

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	18.24	17.70	17.42	18.25	20.03	26.05	19.79	21.41	19.51	18.79	19.19	19.16
2	17.97	17.63	17.41	18.15	19.78	26.09	19.58	21.18	19.92	18.46	19.29	18.86
3	18.10	17.51	17.20	18.32	19.84	26.05	19.71	20.88	19.80	18.69	19.32	18.60
4	18.30	17.41	17.12	18.68	19.46	25.87	19.81	20.38	19.37	18.46	19.37	18.70
5	18.50	17.17	17.12	19.03	19.14	25.32	19.92	20.25	19.44	18.50	19.08	18.97
6	18.69	16.86	17.22	19.31	19.27	24.35	20.25	19.98	19.63	18.66	18.73	19.12
7	18.70	16.96	17.32	19.16	20.00	22.60	20.44	19.86	19.76	18.87	18.71	19.31
8	18.31	17.19	17.32	18.99	20.50	21.65	20.65	19.85	19.75	18.55	18.82	19.40
9	17.93	17.16	17.41	19.02	20.72	21.14	20.98	19.83	19.57	18.33	18.94	18.92
10	18.06	17.16	17.25	19.18	20.70	21.24	21.49	19.97	19.01	18.54	19.11	18.46
11	18.16	17.17	17.09	19.35	20.64	21.18	21.84	20.07	18.71	18.86	19.15	18.30
12	18.26	16.99	17.32	19.54	20.60	20.99	21.97	20.09	18.78	19.37	18.73	18.19
13	18.45	16.69	17.61	19.85	20.81	20.83	21.62	19.84	18.96	19.58	18.32	18.45
14	18.57	16.70	17.81	19.57	20.69	20.75	21.32	20.01	19.12	19.56	18.36	18.72
15	18.23	16.84	17.95	19.01	20.51	20.68	21.20	20.12	19.28	19.50	18.46	18.80
16	18.01	16.92	18.10	19.06	20.20	---	21.21	19.81	19.43	19.40	18.55	18.41
17	18.09	16.92	17.87	19.19	19.90	---	21.32	19.85	19.07	19.54	18.59	18.18
18	18.29	16.90	17.61	19.47	19.60	---	21.25	19.74	18.66	19.69	18.67	18.29
19	18.50	16.64	17.64	19.56	19.46	---	21.29	19.81	18.70	19.70	18.32	18.43
20	18.69	16.37	17.86	19.65	19.52	19.90	21.54	19.47	18.86	19.55	18.30	18.61
21	18.70	16.40	18.01	19.78	19.77	20.07	21.85	19.29	19.00	19.56	18.44	18.98
22	18.38	16.49	18.08	19.58	19.95	19.79	21.68	19.56	19.23	19.55	18.63	19.21
23	18.20	16.59	18.10	19.80	19.95	19.85	21.23	19.71	19.44	19.31	18.77	18.87
24	18.29	16.69	18.12	20.01	20.56	20.28	20.35	19.59	19.15	19.59	18.90	18.57
25	18.28	16.63	18.03	20.01	21.81	20.09	19.90	19.59	18.76	19.74	18.94	18.79
26	18.40	16.37	17.86	20.19	23.07	19.85	20.13	19.71	18.89	19.69	18.58	19.20
27	18.45	16.30	18.24	20.34	24.34	19.96	20.67	19.39	19.10	19.60	18.22	19.78
28	18.35	16.40	18.46	20.32	25.49	20.07	21.23	19.04	19.14	19.74	18.35	19.80
29	18.09	16.66	18.52	19.90	---	19.97	21.38	19.04	19.16	19.57	18.58	19.82
30	17.79	17.04	18.61	19.92	---	19.74	21.66	19.17	19.17	19.17	18.80	19.87
31	17.69	---	18.49	20.07	---	20.04	---	19.32	---	19.06	19.01	---
MEAN	18.28	16.88	17.75	19.43	20.58	---	20.91	19.86	19.21	19.20	18.75	18.89
MAX	18.70	17.70	18.61	20.34	25.49	---	21.97	21.41	19.92	19.74	19.37	19.87
MIN	17.69	16.30	17.09	18.15	19.14	---	19.58	19.04	18.66	18.33	18.22	18.18

APALACHICOLA RIVER BASIN

02356015 FLINT RIVER BELOW BAINBRIDGE, GA.

LOCATION.--Lat 30°53'34", long 84°36'38", Decatur County, Hydrologic Unit 03130008, at Bainbridge, 0.8 mi (1.3 km) downstream from State Docks, and at mile 26.5 (42.6 km).

DRAINAGE AREA.--7,570 mi² (19,600 km²), 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 Air Temperature, Water Temperature, pH, and Dissolved Oxygen by U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	PH (UNITS)	TEMPER- ATURE, AIR (DEG C)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)						
OCT											
05...	1000	7.8	23.0	22.5	6.5						
NOV											
16...	1230	7.8	26.0	18.5	8.5						
DEC											
06...	0800	7.2	2.0	16.0	8.2						
JAN											
08...	0955	7.3	8.5	8.0	10.0						
FEB											
05...	0935	7.4	6.0	6.5	9.8						
MAR											
05...	1040	6.6	16.0	13.0	--						
APR											
02...	1510	7.3	27.0	20.5	9.0						
MAY											
07...	1130	7.6	23.0	22.0	7.4						
JUN											
06...	0630	7.8	22.0	25.5	5.2						
JUL											
10...	1110	7.8	27.5	27.0	5.9						
AUG											
14...	1115	7.9	30.0	28.0	5.5						
SEP											
05...	1255	8.1	33.0	28.0	7.1						

DATE	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LINITY (MG/L AS CAC03)	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										
05...	157	20	7	.5	230	68	.86	.06	.08	<1.0
NOV										
16...	136	30	10	.6	40	57	.49	.23	.20	2.0
DEC										
06...	109	30	8	.8	230	39	.44	.07	.08	2.0
JAN										
08...	77	35	6	1.0	430	26	.45	.18	.12	2.0
FEB										
05...	100	50	15	.7	430	38	.65	.14	.12	3.0
MAR										
05...	42	160	34	1.1	430	14	.20	<.02	.03	7.7
APR										
02...	93	40	9	.9	150	32	.40	.10	.10	3.0
MAY										
07...	108	50	11	1.0	930	47	.50	.07	.06	<5.0
JUN										
06...	130	40	11	.5	750	52	.76	.03	.07	1.8
JUL										
10...	147	15	6	.4	15000	59	.84	.03	.06	1.0
AUG										
14...	116	10	8	.8	40	62	.60	.10	.03	<1.0
SEP										
05...	115	15	8	.7	930	47	.48	.04	.05	<1.0

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 (4.0 km) upstream from bridge on State Highway 20, 4.5 mi (7.2 km) northwest of Buford, Ga., and at mile 348.3 (560.4 km). DRAINAGE AREA, 1,040 mi² (2,690 km²), approximately. PERIOD OF RECORD, January 1956 to current year. GAGE, water-stage recorder. Datum of gage is at mean sea level (levels by 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 (2,080 hm³) between elevations 1,035 and 1,085 ft (315.5 and 330.7 m). Dead storage, 868,000 acre-ft (1,070 hm³). Lake is used for flood control and power. Records furnished by Corps of Engineers.

EXTREMES FOR PERIOD OF RECORD: Maximum contents, 2,205,200 acre-ft (2,720 hm³) Apr. 14, 1964, elevation, 1,077.20 ft (328.331 m); minimum, after beginning operation, 1,480,800 acre-ft (1,830 hm³) Dec. 18, 1970, elevation, 1,057.53 ft (322.335 m).

EXTREMES FOR CURRENT YEAR: Maximum contents, 2,156,200 acre-ft (2,659 hm³) April 16, elevation, 1,076.03 ft (327.974 m); minimum, 1,496,800 acre-ft (1,846 hm³) Nov. 27, 28, Dec. 1, 2, elevation, 1,058.03 ft (322.488 m).

MONTHEND ELEVATION AND CONTENTS AT 2400, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

Date	Elevation (feet)	Contents (acre-feet)	Change in contents	
			(acre-feet)	(equivalent in cubic feet per second)
Sept. 30.....	1065.49	1750700	-	-
Oct. 31.....	1060.84	1589300	-16140	-262
Nov. 30.....	1058.04	1497100	-92200	-1549
Dec. 31.....	1058.74	1519600	+22500	+366
CAL YR 1978	-	-	-409600	-566
Jan. 31.....	1062.71	1652800	+133200	+2166
Feb. 28.....	1066.27	1778800	+126000	+2269
Mar. 31.....	1071.25	1965000	+186200	+3028
Apr. 30.....	1073.68	2060800	+95800	+1610
May 31.....	1072.02	1995000	-65800	-1070
June 30.....	1071.50	1974700	-20300	-341
July 31.....	1071.95	1992200	+17500	+285
Aug. 31.....	1070.67	1942500	-49700	-808
Sept. 30.....	1070.92	1952100	+9600	+161
WTR YR 1979	-	-	+201400	+278

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 (3.7 km) upstream from Oseligee Creek, 3.0 mi (4.8 km) north of West Point, Ga., 3.2 mi (5.1 km) upstream from bridge on U.S. Highway 29, and at mile 201.4 (324.1 km). DRAINAGE AREA, 3,440 mi² (8,910 km²), approximately. PERIOD OF RECORD, October 1974 to current year. GAGE, water-stage recorder. Datum of gage is at mean sea level (levels by Corps of Engineers).

Lake is formed by concrete gravity dam with earth dikes at either side. Spillway, crest elevation, 597 ft (181.97 m) is equipped with six taintor gages 50 ft (15.2 m) wide by 41 ft (12.5 m) high. Storage began Oct. 16, 1974, and lake reached maximum power pool, 635 ft (193.55 m) on June 10, 1975. Total capacity at elevation, 641 ft (195.38 m); maximum flood control pool, 774,800 acre-ft (955 hm³). Capacity at elevation, 635 ft (193.55 m), maximum power pool, 604,500 acre-ft (745 hm³). Dead storage below elevation 620 ft (188.98 m), minimum power pool, 298,400 acre-ft (368 hm³). Lake is used for flood control and power. Records furnished by Corps of Engineers.

EXTREMES FOR PERIOD OF RECORD: Maximum contents, 690,700 acre-ft (852 hm³) April 16, 1979, elevation, 638.17 ft (194.514 m); minimum, since first filling, 350,600 acre-ft (432 hm³), Nov. 3, 1978, elevation, 623.17 ft (189.942 m).

EXTREMES FOR CURRENT YEAR: Maximum contents, 690,700 acre-ft (852 hm³) April 16, elevation, 638.17 ft (194.514 m); minimum, 350,600 acre-ft (432 hm³) Nov. 3, elevation, 623.17 ft (189.942 m).

MONTHEND ELEVATION AND CONTENTS AT 2400, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

Date	Elevation (feet)	Contents (acre-feet)	Change in contents	
			(acre-feet)	(equivalent in cubic feet per second)
Sept. 30.....	626.50	412100	-	-
Oct. 31.....	623.80	361700	-50400	-820
Nov. 30.....	625.00	383500	+21800	+366
Dec. 31.....	625.70	396700	+13200	+215
CAL YR 1978	-	-	-27300	-38
Jan. 31.....	626.70	416100	+19400	+316
Feb. 28.....	632.40	540000	+123900	+2231
Mar. 31.....	628.60	454800	-85200	-1386
Apr. 30.....	635.20	609700	+154900	+2603
May 31.....	636.90	655100	+45400	+738
June 30.....	636.10	633500	-21600	-363
July 31.....	636.10	633500	0	0
Aug. 31.....	633.10	556800	-76700	-1247
Sept. 30.....	635.70	622800	+66000	+1109
WTR YR 1979	-	-	+210700	+291

APALACHICOLA RIVER BASIN

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 (5.3 km) upstream from Mulberry Creek, 15 mi (24 km) northwest of Columbus, Ga., and at mile 178.0 (286.4 km). DRAINAGE AREA, 4,240 mi² (11,000 km²), approximately. PERIOD OF RECORD, October 1929 to current year. Datum of gage is at mean sea level (levels by Georgia Power Co.).

Reservoir is formed by concrete gravity dam with earth fill abutments. Spillway, crest elevation, 500.0 ft (152.40 m) is equipped with 19 taintor gates 25 ft (7.62 m) wide by 21 ft (6.40 m) high and two trash gages 11 ft (3.35 m) wide by 9 ft (2.74 m) high. Storage began in 1926; water in reservoir first reached minimum pool elevation in 1926. Total capacity at elevation 521.0 ft (158.80 m), top of gates, is 181,000 acre-ft (223 hm³), of which 136,000 acre-ft (168 hm³) 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 1978 TO SEPTEMBER 1979

Date	Elevation (feet) †	Contents (acre-feet)	Change in contents	
			(acre-feet)	(equivalent in cubic feet per second)
Sept. 30.....	519.6	173000	-	-
Oct. 31.....	520.5	178000	+5000	+81
Nov. 30.....	520.5	178000	0	0
Dec. 31.....	518.0	163000	-15000	-244
CAL YR 1978	-	-	+1000	+1
Jan. 31.....	516.6	155000	-8000	-130
Feb. 28.....	519.8	174000	+19000	+342
Mar. 31.....	517.9	162000	-12000	-195
Apr. 30.....	520.3	177000	+15000	+252
May 31.....	520.9	180000	+3000	+49
June 30.....	520.0	175000	-5000	-84
July 31.....	519.7	173000	-2000	-33
Aug. 31.....	520.6	179000	+6000	+98
Sept. 30.....	520.4	177000	-2000	-34
WTR YR 1979	-	-	+4000	+6

† 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 (2.6 km) upstream from bridge on State Highway 37, 1 mi (1.6 km) north of Ft. Gaines, Ga., and at mile 75.0 (120.7 km). DRAINAGE AREA, 7,460 mi² (19,300 km²), approximately. PERIOD OF RECORD, May 1962 to current year. GAGE, water-stage recorder. Datum of gage is at mean sea level (levels by 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 (49.68 m), is equipped with 14 taintor gates 42 ft (12.80 m) wide by 29 ft (8.84 m) high. Total capacity at elevation 190.0 ft (57.91 m), full summer pool, 934,400 acre-ft (1,150 hm³), of which 244,400 acre-ft (301 hm³) between elevations 190.0 and 184.0 ft (57.91 and 56.08 m), minimum pool, is controlled storage. Lake is used for navigation and power. Records furnished by Corps of Engineers.

EXTREMES FOR PERIOD OF RECORD: Maximum contents, 993,700 acre-ft (1,230 hm³) May 20, 1969, elevation, 191.28 ft (58.302 m); minimum, after first filling, 660,400 acre-ft (814 hm³) Apr. 23, 1965, elevation, 183.17 ft (55.830 m).

EXTREMES FOR CURRENT YEAR: Maximum contents, 965,000 acre-ft (1,190 hm³) Feb. 25, 26, elevation, 190.67 ft (58.116 m); minimum, 711,400 acre-ft (877 hm³) Oct. 26, elevation, 184.58 ft (56.260 m).

MONTHEND ELEVATION AND CONTENTS AT 2400, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1978

Date	Elevation (feet)	Contents (acre-feet)	Change in contents	
			(acre-feet)	(equivalent in cubic feet per second)
Sept. 30.....	186.60	789400	-	-
Oct. 31.....	185.30	738500	-50900	-828
Nov. 30.....	186.70	793400	+54900	+923
Dec. 31.....	187.90	842900	+49500	+805
CAL YR 1978	-	-	-16800	-23
Jan. 31.....	188.30	859700	+16800	+273
Feb. 28.....	190.00	934400	+74700	+1345
Mar. 31.....	188.40	864000	-70400	-1145
Apr. 30.....	189.70	920900	+56900	+956
May 31.....	189.10	894400	-26500	-431
June 30.....	187.90	842900	-51500	-865
July 31.....	189.40	907600	+64700	+1052
Aug. 31.....	187.80	838700	-68900	-1121
Sept. 30.....	189.10	894400	+55700	+936
WTR YR 1979	-	-	+105000	+145

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 (1.0 km) upstream from bridge on U.S. Highway 90, and 1.5 mi (2.4 km) northwest of Chattahoochee, Fla. DRAINAGE AREA, 17,100 mi² (44,300 km²), 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 mean sea level (levels by Corps of Engineers). Prior to July 22, 1957, nonrecording gage at same site at datum 53.96 ft (16.45 m) higher; gage readings have been reduced to elevations 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 (12.2 m) long and 30.5 ft (9.30 m) high, and a side channel navigation lock 82 ft (25 m) 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 (23.47 m). Total capacity at elevation 77.0 ft (23.47 m), normal pool, is 367,300 acre-ft (453 hm³), of which 36,170 acre-ft (44.6 hm³) between elevations 77.0 and 76.0 ft (23.47 and 23.16 m) is used for pondage. Lake is used for navigation and power. Records furnished by Corps of Engineers.

EXTREMES FOR PERIOD OF RECORD: Maximum contents, 433,000 acre-ft (534 hm³) Apr. 7, 8, 1960, elevation, 78.66 ft (23.976 m); minimum after Feb. 4, 1957, 272,100 acre-ft (335 hm³) Nov. 27, 1978, elevation, 74.18 ft (22.610 m).

EXTREMES FOR CURRENT YEAR: Maximum contents, 403,000 acre-ft (497 hm³) Jan. 27, elevation, 77.92 ft (23.750 m); minimum, 272,100 acre-ft (335 hm³) Nov. 27, elevation, 74.18 ft (22.610 m).

MONTHEND ELEVATION AND CONTENTS AT 2400, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

Date	Elevation (feet)	Contents (acre-feet)	Change in contents	
			(acre-feet)	(equivalent in cubic feet per second)
Sept. 30.....	76.61	352900	-	-
Oct. 31.....	75.81	324600	-28300	-460
Nov. 30.....	75.17	303200	-21400	-360
Dec. 31.....	76.48	348200	+45000	+732
CAL YR 1978	-	-	-37000	+51
Jan. 31.....	77.52	387200	+39000	+634
Feb. 28.....	77.43	383700	-3500	-63
Mar. 31.....	77.59	389900	+6200	+101
Apr. 30.....	77.57	389100	-800	-13
May 31.....	77.39	382100	-7000	-114
June 30.....	77.03	368400	-13700	-230
July 31.....	77.03	368400	0	0
Aug. 31.....	77.10	371100	+2700	+44
Sept. 30.....	77.64	391900	+20800	+350
WTR YR 1979	-	-	+39000	+54

MOBILE RIVER BASIN

02380500 COOSAWATTEE RIVER NEAR ELLIJAY, GA.

LOCATION.--Lat 34°40'18", long 84°30'31", Gilmer County, Hydrologic Unit 03150102, on right bank 0.5 mi (0.8 km) downstream from State Highway 5, 2 mi (3.2 km) southwest of Ellijay, and 2.2 mi (3.5 km) downstream from confluence of Cartecay and Ellijay Rivers.

DRAINAGE AREA.--238 mi² (616 km²).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1938 to December 1949, occasional low-flow measurements 1959, 1961-62. June 1963 to current year. GAGE.--Water-stage recorder. Datum of gage is 1,216.04 ft (370.649 m) National Geodetic Vertical Datum of 1929. Prior to June 10, 1940, nonrecording gage at site 0.5 mi (0.8 km) upstream at datum 8.04 ft (2.45 m) higher.

REMARKS.--Records good. Records of chemical analyses for the period March 1968 to March 1972 are published in reports of the Geological Survey.

AVERAGE DISCHARGE.--27 years (1938-49, 1963-79), 524 ft³/s (14.8 m³/s), 29.90 in/yr (759 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 17,000 ft³/s (481 m³/s) Oct. 4, 1964, gage height, 17.63 ft (5.374 m); minimum, 101 ft³/s (2.68 m³/s) several days in October 1941.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known since at least 1938, 20.7 ft (6.31 m) Mar. 19, 1951, from Floodmark.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 3,500 ft³/s (99.1 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)	Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
Jan. 21	0245	3760 106	5.46 1.664	Apr. 3	1200	3870 110	5.56 1.695
Mar. 4	1145	*12600 357	14.16 4.316	Apr. 13	1515	6270 178	7.82 2.384

Minimum discharge, 125 ft³/s (3.54 m³/s) Nov. 4, 6, gage height, 1.25 ft (0.381 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	173	130	255	810	509	926	598	775	1020	387	371	410
2	170	131	213	1650	478	829	619	748	817	352	361	328
3	156	128	204	923	479	816	2540	749	845	340	336	356
4	151	128	550	644	489	7310	1900	771	806	331	346	392
5	145	128	577	532	456	3550	1380	743	691	324	317	327
6	140	128	344	489	467	2860	1040	706	645	360	301	303
7	136	136	263	1220	740	2350	912	681	625	345	291	291
8	137	152	236	2260	634	1980	857	664	588	384	288	277
9	137	140	1150	1100	584	1750	1490	670	565	441	279	268
10	138	136	720	796	515	1520	1090	649	545	455	274	259
11	137	134	405	670	488	1470	946	646	553	477	421	255
12	134	134	312	587	469	1170	1380	663	504	559	493	248
13	151	132	271	547	462	969	5270	643	486	469	324	268
14	211	132	246	503	448	1000	3140	637	471	387	298	359
15	158	135	230	439	445	918	2290	582	455	363	285	297
16	147	136	253	409	448	842	1860	560	449	330	275	272
17	144	204	303	395	433	801	1560	541	448	310	265	259
18	141	344	251	399	505	780	1370	530	436	329	264	282
19	140	191	237	378	468	764	1180	529	420	334	259	281
20	138	158	235	1580	484	746	1080	544	410	405	253	262
21	136	146	300	3020	741	748	1010	693	410	836	247	360
22	136	143	283	1660	864	714	959	689	429	959	254	558
23	135	195	251	1450	1110	779	924	645	400	720	273	369
24	134	193	466	1250	2380	825	893	841	409	576	295	325
25	134	158	665	970	2290	750	892	687	404	575	440	302
26	135	149	438	812	1780	696	1100	608	392	600	471	291
27	135	175	351	740	1300	662	1030	590	374	521	501	413
28	132	300	305	687	1010	639	897	692	363	475	381	597
29	131	250	283	619	---	623	838	902	354	503	428	516
30	130	530	370	574	---	613	802	883	475	423	367	424
31	130	---	981	557	---	601	---	1010	---	409	355	---
TOTAL	4452	5276	11948	28670	21476	41001	41847	21271	15789	14279	10313	10149
MEAN	144	176	385	925	767	1323	1395	686	526	461	333	338
MAX	211	530	1150	3020	2380	7310	5270	1010	1020	959	501	597
MIN	130	128	204	378	433	601	598	529	354	310	247	248
CFSM	.61	.74	1.62	3.89	3.22	5.56	5.86	2.88	2.21	1.94	1.40	1.42
IN.	.70	.82	1.87	4.48	3.36	6.41	6.54	3.32	2.47	2.23	1.61	1.59

CAL YR 1978	TOTAL	166078	MEAN 455	MAX 2870	MIN 128	CFSM 1.91	IN 25.96
WTR YR 1979	TOTAL	226471	MEAN 620	MAX 7310	MIN 128	CFSM 2.61	IN 35.40

02380500 COOSAWATTEE RIVER NEAR ELLIJAY, GA.--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--March 1968 to March 1972, December 1977 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	TEMPER- ATURE (DEG C)	TUR- BID- ITY (NTU)	SEDI- MENT, SUS- PENDED (MG/L)	SEDI- MENT DIS- CHARGE, SUS- PENDED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT 18...	1225	140	12.0	3.0	10	3.8	100
JAN 25...	1215	970	4.0	3.0	30	79	--
MAR 05...	1450	3330	12.0	60	333	2990	55
APR 18...	1140	1380	13.0	4.0	27	101	--
JUN 01...	1030	1020	17.0	23	197	543	--
JUL 12...	1430	600	21.0	39	65	105	--
AUG 23...	0940	296	21.5	13	30	24	--

MOBILE RIVER BASIN

02381600 FAUSETT CREEK NEAR TALKING ROCK, GA.

LOCATION.--Lat 34°34'13", long 84°28'08", Gilmer County, Hydrologic Unit 03150102, on right bank 25 ft (7.6 m) upstream from culvert on county road, 3.6 mi (5.8 km) upstream from mouth, and 4.5 mi (7.2 km) northeast of Talking Rock.

DRAINAGE AREA.--9.99 mi² (25.9 km²).

PERIOD OF RECORD.--Annual maximum, water years 1966-74, October 1974 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 1,320 ft (402 m), from topographic map.

REMARKS.--Records good except those for periods of no gage-height record, Nov. 9-28, Mar. 4-7, which are fair.

AVERAGE DISCHARGE.--5 years, 20.7 ft³/s (0.59 m³/s), 28.14 in/yr (715 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,160 ft³/s (89.5 m³/s) May 29, 1973, gage height, 16.96 ft (5.169 m), from floodmarks; minimum discharge, 4.2 ft³/s (0.119 m³/s) Oct. 4-6, 1978.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 300 ft³/s (8.50 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)	Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
Mar. 4	0600	*2630 74.5	13.70 4.176	Apr. 13	1315	823 23.3	6.47 1.972
Apr. 3	0915	409 11.6	4.29 1.308				

Minimum discharge, 4.2 ft³/s (0.119 m³/s) Oct. 4-6.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.4	5.0	8.7	25	15	30	22	26	49	12	11	9.5
2	5.0	5.2	7.6	66	15	26	31	25	32	12	11	9.5
3	4.8	5.4	7.7	24	15	44	188	26	50	12	10	22
4	4.5	5.4	22	17	15	650	74	26	47	11	10	12
5	4.5	5.4	17	15	14	170	49	25	31	11	9.4	10
6	4.5	5.4	10	14	19	100	40	24	27	12	9.0	9.4
7	4.5	6.3	8.7	63	31	65	35	23	25	12	8.9	11
8	4.8	6.1	9.1	63	22	39	33	23	22	13	8.6	10
9	4.8	5.9	60	27	19	35	55	23	21	15	8.6	9.9
10	4.8	5.6	18	20	18	35	39	22	20	14	8.5	9.6
11	4.5	5.4	13	17	17	35	35	25	22	14	26	9.3
12	4.5	6.0	11	16	16	31	99	23	19	17	14	9.1
13	6.2	5.6	9.7	15	16	29	435	27	18	13	11	11
14	5.8	5.2	9.1	14	15	36	105	22	17	12	9.8	11
15	5.0	5.7	8.7	13	15	31	68	21	17	12	9.3	10
16	5.0	7.0	11	13	14	29	55	20	17	11	9.0	9.5
17	5.0	8.0	11	13	14	27	48	19	16	10	9.3	9.3
18	5.0	15	9.7	13	18	26	43	19	16	10	9.2	11
19	5.0	8.0	9.1	12	19	26	37	19	15	10	9.0	10
20	5.0	7.0	8.9	64	21	25	37	19	15	14	8.8	9.5
21	5.0	6.5	15	66	38	26	35	30	15	29	8.7	17
22	5.0	6.0	11	31	31	25	33	25	15	24	9.6	13
23	4.9	8.0	10	25	43	30	31	29	14	16	9.3	11
24	4.9	7.6	35	47	118	29	30	35	14	14	29	10
25	5.0	6.5	25	28	69	26	31	26	14	14	22	9.5
26	5.0	6.0	16	23	46	25	38	22	13	16	23	9.5
27	5.0	10	13	21	36	24	43	23	13	14	18	12
28	5.0	13	11	19	31	23	32	22	12	13	13	12
29	5.0	19	10	17	---	23	29	43	12	12	11	10
30	5.0	12	15	17	---	23	28	30	14	12	12	9.5
31	5.0	---	30	17	---	22	---	56	---	11	11	---
TOTAL	153.4	223.2	461.0	835	760	1765	1858	798	632	422	377.0	326.1
MEAN	4.95	7.44	14.9	26.9	27.1	56.9	61.9	25.7	21.1	13.6	12.2	10.9
MAX	6.2	19	60	66	118	650	435	56	50	29	29	22
MIN	4.5	5.0	7.6	12	14	22	22	19	12	10	8.5	9.1
CFSM	.50	.75	1.49	2.69	2.71	5.70	6.20	2.57	2.11	1.36	1.22	1.09
IN.	.57	.83	1.72	3.11	2.83	6.57	6.92	2.97	2.35	1.57	1.40	1.21

CAL YR 1978	TOTAL	5787.1	MEAN 15.9	MAX 143	MIN 4.5	CFSM 1.59	IN 21.55
WTR YR 1979	TOTAL	8610.7	MEAN 23.6	MAX 650	MIN 4.5	CFSM 2.36	IN 32.06

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 (91 m) downstream from Scarecorn Creek, and 3.3 mi (5.3 km) northwest of Hinton.

DRAINAGE AREA.--120 mi² (311 km²).

PERIOD OF RECORD.--November 1973 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 890 ft (271 m), from topographic map.

REMARKS.--Records good.

AVERAGE DISCHARGE.--5 years, 221 ft³/s (6.26 m³/s), 25.01 in/yr (635 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 14,100 ft³/s (399 m³/s) Mar. 4, 1979, gage height, 14.18 ft (4.322 m); minimum, 34 ft³/s (0.96 m³/s) Sept. 28-30, 1978.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of May 28, 1973, reached a stage of 15.45 ft (4.709 m), from floodmarks; discharge, 18,400 ft³/s (521 m³/s) from rating curve extended above 3,100 ft³/s (87.8 m³/s) on basis of slope-area measurements at gage heights 8.66 and 15.45 ft (2.640 and 4.709 m).

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 2,500 ft³/s (70.8 m³/s), revised, and maximum (*):

Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)	Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
Mar. 4	0915	*14100 399	14.18 4.322	Apr. 13	1400	7860 223	10.91 3.325
Apr. 3	1045	3440 97.4	6.47 2.124				

Minimum discharge, 35 ft³/s (0.99 m³/s) Oct. 6-8, 11-13.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	38	37	92	235	145	261	183	255	639	142	109	119
2	43	37	74	735	138	231	195	241	418	135	104	112
3	43	38	70	310	140	258	2100	244	445	133	100	294
4	40	40	180	200	142	6890	1040	250	680	128	96	289
5	37	40	215	165	132	1300	640	243	369	121	94	165
6	37	39	120	150	145	860	396	234	311	119	92	140
7	35	41	95	200	324	721	324	229	283	120	91	132
8	36	49	85	680	244	555	296	229	261	137	117	121
9	37	48	551	350	210	352	665	233	235	160	249	112
10	38	45	214	220	180	296	412	226	228	158	114	105
11	37	44	128	190	170	310	324	222	308	153	102	101
12	35	48	105	170	160	261	900	234	226	172	96	96
13	36	44	93	160	153	261	4960	254	207	153	94	99
14	57	43	85	155	148	278	1580	243	201	141	92	118
15	46	44	79	150	145	278	1030	217	192	130	90	103
16	42	52	91	145	140	231	850	207	190	115	88	96
17	41	67	113	140	132	219	710	197	192	106	87	93
18	41	118	94	135	168	213	460	193	186	118	85	125
19	41	59	89	130	168	207	370	199	178	120	84	122
20	41	52	86	300	195	207	341	218	175	163	82	109
21	40	63	135	800	334	219	317	265	178	496	81	138
22	39	52	116	420	352	210	298	309	180	387	81	172
23	39	71	101	300	416	247	285	307	168	230	80	139
24	39	67	293	550	1330	250	276	358	181	201	225	128
25	40	59	280	340	875	234	288	287	189	201	453	125
26	39	55	162	254	510	219	394	241	169	172	415	109
27	39	74	129	219	362	204	419	226	157	148	237	131
28	38	109	113	195	292	195	316	247	151	121	161	170
29	38	132	102	172	---	189	285	327	145	114	136	157
30	38	164	116	160	---	189	270	318	158	110	119	145
31	37	---	275	160	---	180	---	589	---	106	113	---
TOTAL	1227	1831	4481	8490	7850	16525	20924	8042	7600	5010	4167	4065
MEAN	39.6	61.0	145	274	280	533	697	259	253	162	134	136
MAX	57	164	551	800	1330	6890	4960	589	680	496	453	294
MIN	35	37	70	130	132	180	183	193	145	106	80	93
CFSM	.33	.51	1.21	2.28	2.33	4.44	5.81	2.16	2.11	1.35	1.12	1.13
IN.	.38	.57	1.39	2.63	2.43	5.12	6.49	2.49	2.36	1.55	1.29	1.26

CAL YR 1978	TOTAL	66032	MEAN 181	MAX 1630	MIN 35	CFSM 1.51	IN 20.47
WTR YR 1979	TOTAL	90212	MEAN 247	MAX 6890	MIN 35	CFSM 2.06	IN 27.97

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 (61 m) upstream from Louisville & Nashville Railroad bridge, 0.4 mi (0.6 km) downstream from Carters re-regulation dam, and 0.6 mi (1.0 km) downstream from Talking Rock Creek.

DRAINAGE AREA.--531 mi² (1,380 km²).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--August 1896 to December 1908, October 1918 to September 1923, October 1961 to August 1972, October 1974 to current year.

GAGE.--Water-stage recorder. Datum of gage is 650.67 ft (198.324 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to September 1923, nonrecording gage at site 0.4 mi (0.6 km) upstream at datum 2.00 ft (0.61 m) higher.

REMARKS.--Records fair. Flow regulated by Carters Lake and Carters re-regulation dam since November 1974. (See "Lakes and Reservoirs in Mobile River Basin," stations 02381400 and 02382400.) Records of chemical analyses for the water years 1968-74 are published in reports of the Geological Survey.

AVERAGE DISCHARGE.--32 years (1896-1908, 1918-23, 1961-71, 1974-79), 1,250 ft³/s (35.4 m³/s), 31.97 in/yr (812 mm/yr), adjusted for storage since 1975.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge observed, 28,500 ft³/s (807 m³/s) Nov. 19, 1906, gage height, 30.6 ft (9.33 m), present datum; minimum daily, 122 ft³/s (3.46 m³/s), regulated Nov. 15, 1974; minimum discharge observed prior to regulation, 184 ft³/s (5.21 m³/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 (11.0 m), from floodmarks; discharge, 57,000 ft³/s (1,610 m³/s), from rating curve extended above 24,000 ft³/s (680 m³/s).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 5,110 ft³/s (145 m³/s) Mar. 12, gage height, 13.21 ft (4.026 m); minimum daily, 212 ft³/s (6.00 m³/s) Aug. 20.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP		
1	271	250	655	1690	2160	3390	1660	1710	1940	1000	1020	869		
2	274	264	309	1940	1500	2730	2020	1690	1230	561	1180	610		
3	282	289	329	2650	1400	1940	1580	1820	872	682	1110	541		
4	289	353	468	2650	1210	3470	1680	1900	1150	834	1040	1170		
5	250	264	940	2370	906	2630	1910	1930	2000	894	953	1740		
6	246	232	675	621	947	3570	2010	1680	2250	366	910	443		
7	278	236	835	1250	1210	4300	1890	1320	2310	605	933	328		
8	278	260	1230	2050	1380	4610	1750	1400	2590	815	1130	371		
9	254	268	1080	2390	2000	4370	1860	663	2590	1290	1360	546		
10	254	285	2010	2500	1480	4330	2140	864	1140	864	1150	436		
11	257	353	1080	2530	1240	4540	2030	1320	1110	1440	678	599		
12	278	229	730	1870	1200	4730	2070	1700	1260	1070	925	591		
13	250	236	994	1080	868	4600	3490	1940	1250	964	624	755		
14	271	250	1000	486	1210	4580	3980	1150	1080	376	527	471		
15	250	226	1030	830	989	4480	3480	1170	912	885	1110	448		
16	243	236	309	1690	962	4510	3200	1220	702	750	1380	453		
17	260	317	253	1950	1050	4610	3340	1490	801	353	413	372		
18	282	428	690	1430	750	4390	3730	1020	365	714	456	617		
19	271	414	500	1240	1460	3920	4110	714	1710	853	367	898		
20	271	450	755	872	755	2910	4300	1090	382	1000	212	1750		
21	271	357	282	1610	1050	2320	4240	1190	428	923	218	903		
22	257	325	645	2360	2120	2150	4150	1530	487	468	628	361		
23	232	337	423	2560	2280	2100	4010	1600	657	793	1380	266		
24	232	353	590	3230	1950	2140	3860	1220	1150	841	670	296		
25	236	462	1100	3530	1160	2010	3820	1930	1180	662	798	786		
26	264	645	822	3030	1730	1830	3370	1680	611	915	1320	692		
27	260	630	1340	2100	2690	1820	2840	308	1250	1420	1150	1030		
28	260	786	1140	1370	3270	1820	2620	427	1380	1120	1670	1040		
29	240	1070	829	1550	---	1360	2380	2040	898	1390	456	896		
30	254	835	770	1760	---	921	1880	1070	440	1270	658	1000		
31	254	---	1700	2370	---	922	---	2290	---	1170	897	---		
TOTAL	8069	11640	25513	59559	40927	98043	85400	42976	36125	27288	27323	21278		
MFAN	260	388	823	1921	1462	3163	2847	1386	1204	880	881	709		
MAX	289	1070	2010	3530	3270	4730	4300	2290	2590	1440	1670	1750		
MIN	232	226	253	486	750	921	1580	308	365	353	212	266		
MEAN†	265	401	871	1823	1768	2836	3005	1401	1117	1005	769	716		
CFSM†	0.50	0.76	1.64	3.43	3.33	5.34	5.66	2.64	2.10	1.89	1.45	1.35		
IN†	0.58	0.85	1.89	3.95	3.47	6.16	6.32	3.04	2.34	2.18	1.67	1.51		
CAL YR 1978	TOTAL	387849	MEAN	1063	MAX	4640	MIN	226	MEAN†	1078	CFSM†	2.03	IN†	27.56
WTR YR 1979	TOTAL	484141	MEAN	1326	MAX	4730	MIN	212	MEAN†	1328	CFSM†	2.50	IN†	33.95

† ADJUSTED FOR CHANGE IN CONTENTS IN CARTERS LAKE AND CARTERS RE-REGULATION DAM.

02382500 COOSAWATTEE RIVER AT CARTERS, GA.--Continued

WATER-QUALITY RECORDS

PERIOD OF DAILY RECORD.--

WATER TEMPERATURES: April 1978 to current year.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURES: Maximum, 26.0°C July 23,24, 1978; minimum, 4.0°C Feb. 5, 6, 12, 1979.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURES: Maximum, 25.0°C Sept. 3; minimum, 4.0°C Feb. 5, 6, 12.

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

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

02382500 COOSAWATTEE RIVER AT CARTERS, GA.--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

[illegible]

02382720 COOSAWATTEE RIVER NEAR NICKELSVILLE, GA.

LOCATION.--Lat 34°36'03", long 84°46'42", Gordon County, Hydrologic Unit 03150102, near left bank on downstream side of bridge on county road, 2.1 mi (3.4 km) upstream from Noblet Creek, and 6.8 mi (10.9 km) east of Nickelsville.

PERIOD OF DAILY RECORD.--

WATER TEMPERATURES: October 1974 to current year.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURES: Maximum, 27.0°C July 24, 1978; minimum, 0.5°C Jan. 17, 1977.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURES: Maximum, 25.0°C July 30, Aug. 27, Sept. 2, 3; minimum, 4.0°C Feb. 6.

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

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

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

[illegible]

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 (2.3 km) downstream from Sallacoa Creek, 8.7 mi (14.0 km) upstream from confluence with Conasauga River, and 2.4 mi (3.9 km) east of Pine Chapel.

DRAINAGE AREA.--856 mi² (2,220 km²).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1938 to current year. Prior to October 1976, published as Coosawattee River at Pine Chapel, Ga.

Monthly discharge only for some periods, published in WSP 1304.

GAGE.--Water-stage recorder. Datum of gage is 616.16 ft (187.806 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Since October 1, 1976, auxiliary water-stage recorder at highway bridge 2.2 mi (3.5 km) downstream. Prior to Feb. 23, 1940, nonrecording gage at current auxiliary gage site and same datum. Feb. 23, 1940, to April 8, 1975, water-stage 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 Oostanula River at Resaca used as auxiliary gage, due to bridge construction.

REMARKS.--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.--41 years, 1,500 ft³/s (42.5 m³/s), 23.80 in/yr (605 mm/yr), unadjusted.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 40,200 ft³/s (1,140 m³/s) Mar. 30, 1951, gage height, 34.2 ft (10.42 m) at current base gage, 30.8 ft (9.39 m) at current auxiliary gage; minimum daily, 188 ft³/s (5.32 m³/s) Sept. 11, 1976, minimum unregulated daily discharge, 220 ft³/s (6.23 m³/s) Oct. 26, 1941.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Apr. 8, 1938, reached a stage of 30.0 ft (9.14 m) from gage reading at current auxiliary gage, discharge 34,000 ft³/s (963 m³/s).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 24,900 ft³/s (705 m³/s) Mar. 4, maximum gage height, 30.07 ft (9.165 m) Mar. 4; minimum daily discharge, 259 ft³/s (7.33 m³/s) Nov. 13.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	301	278	581	2480	2730	4250	1610	2080	3930	850	1290	1020
2	293	294	394	3670	1750	3820	2270	2010	2670	864	1250	855
3	313	288	400	3890	1640	2630	4920	2030	1610	818	1250	740
4	335	414	413	3120	1510	14000	7730	2180	1810	691	1160	1310
5	291	318	1030	2820	1160	16200	4550	2230	2260	1240	1060	1910
6	264	273	860	1290	1120	8400	3230	2010	2580	480	988	1160
7	306	270	898	1780	2290	6760	2600	1620	2550	601	1010	593
8	307	280	992	4220	2180	6460	2330	1620	2750	816	1070	556
9	291	311	1530	3660	2350	6140	2980	1170	2940	1210	1280	550
10	283	290	2540	2990	2220	5420	3580	1050	1620	1280	1580	729
11	286	396	1620	2860	1650	5550	2800	1380	1800	1320	778	658
12	293	309	850	2490	1540	5340	3470	1800	1510	1230	1650	692
13	300	259	1260	1580	1210	5280	12000	1990	1450	1290	575	740
14	307	303	1070	1020	1470	5130	17900	1670	1250	805	846	699
15	297	267	1110	831	1250	5060	9590	1230	1230	670	808	572
16	270	266	619	1670	1210	4900	6640	1430	889	1020	1670	587
17	292	322	379	2050	1230	5010	5240	1480	1050	658	667	450
18	305	478	562	1670	1290	4870	4770	1440	511	557	525	726
19	327	500	714	1630	1210	4600	4850	879	1620	1080	553	857
20	308	471	950	1980	1520	3630	4850	1070	791	1010	336	1560
21	311	463	479	5000	1800	2750	4810	1430	595	1820	324	1530
22	302	372	741	4750	3470	2510	4630	2190	590	1490	394	734
23	279	388	847	3260	3830	2580	4450	2020	860	1590	1520	508
24	269	387	888	4350	6220	2750	4300	2050	905	1330	871	411
25	274	470	2210	4850	7410	2410	4230	2040	1510	1030	1230	766
26	292	643	1080	4040	5850	2200	4890	2290	1030	933	2050	803
27	306	662	1460	2880	4270	2130	4340	842	1060	1800	1530	1180
28	308	774	1450	1910	4180	2110	3410	670	1310	1210	1900	2090
29	291	953	1070	1760	---	1930	2950	1790	1160	1530	1040	1710
30	268	1350	833	2010	---	1210	2430	1770	863	1370	669	1290
31	296	---	2320	2350	---	1220	---	2790	---	1280	992	---
TOTAL	9165	13049	32150	84861	69560	147250	148350	52251	46704	33873	32866	27986
MEAN	296	435	1037	2737	2484	4750	4945	1686	1557	1093	1060	933
MAX	335	1350	2540	5000	7410	16200	17900	2790	3930	1820	2050	2090
MTN	264	259	379	831	1120	1210	1610	670	511	480	324	411

CAL YR 1978 TOTAL 475662 MEAN 1303 MAX 9460 MIN 248 MEAN+ 1318 CFSM+ 1.54 IN+ 20.90
WTR YR 1979 TOTAL 698065 MEAN 1913 MAX 17900 MIN 259 MEAN+ 1915 CFSM+ 2.24 IN+ 30.41

† ADJUSTED FOR CHANGE IN CONTENTS IN CARTERS LAKE AND CARTERS RE-REGULATION DAM.

02383500 COOSAWATTEE RIVER NEAR PINE CHAPEL, GA.--Continued

WATER-QUALITY RECORDS

PERIOD OF DAILY RECORD.--

WATER TEMPERATURES: October 1974 to current year.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURES: Maximum, 26.0°C July 24, 25, 1978; minimum, 0.0°C Jan. 22, 23, 30, Feb. 1, 1977.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURES: Maximum, 25.0°C July 30; minimum, 4.0°C Feb. 6, 19.

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

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

02383500 COOSAWATTEE RIVER NEAR PINE CHAPEL, GA.--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	13.5	12.5	16.0	14.5			20.5	19.5	23.5	21.5	24.0	23.0
2	13.5	13.5	16.5	15.5			22.0	20.5	23.5	22.0	24.5	23.5
3	15.0	13.0	16.5	15.5			22.5	20.5	22.5	21.5	24.5	24.0
4	15.5	14.5	16.5	15.5			22.0	21.0	23.0	22.0	24.5	23.5
5	15.5	14.0	16.0	15.5			24.0	21.5	23.5	22.5	24.0	23.0
6	14.0	13.5	17.0	15.5			22.5	21.0	23.5	22.0	23.5	23.0
7	14.5	13.5	18.5	17.0			20.5	20.5	23.5	22.0	23.5	23.5
8	14.5	14.0	17.5	16.5			20.5	20.5	23.5	22.0	23.5	23.0
9	15.0	14.0	18.0	16.5			21.0	20.5	23.5	22.0	23.0	22.5
10	13.5	12.5	18.0	17.0			21.0	20.0	23.0	22.0	23.0	23.0
11	14.5	13.0	18.0	17.0			20.5	20.0	23.0	22.5	23.0	22.5
12	15.5	14.5	17.5	17.0			22.0	20.5	23.0	22.5	22.5	22.0
13	15.0	15.0	19.0	17.5			22.0	20.5	23.0	22.5	23.0	22.5
14	15.5	14.5	19.0	18.5			22.0	21.0	23.5	22.0	23.0	22.5
15	16.0	15.5	19.0	16.5			22.0	21.5	22.5	21.5	22.5	22.0
16	15.5	15.0	18.5	16.0			22.5	21.0	22.5	22.0	22.0	21.5
17	15.5	14.0	18.0	16.0			23.0	21.5	23.0	22.5	22.0	21.5
18	15.0	14.0	18.0	16.0			23.0	22.5	23.0	22.5	21.5	21.0
19	14.5	13.5	18.5	16.5			23.0	22.0	23.0	22.0	21.5	21.0
20	14.5	13.5	19.5	17.5			22.5	22.0	23.5	23.0	22.0	21.5
21	14.5	14.0	20.5	19.0			22.5	22.0	24.0	23.0	22.0	21.5
22	15.0	14.5	20.0	18.0			22.5	22.5	23.5	23.5	21.5	21.0
23	15.0	14.5	18.5	17.5			23.0	22.5	23.5	23.0	21.0	20.0
24	15.0	14.5	18.5	17.5			23.0	22.0	23.0	22.5	20.5	20.0
25	15.5	14.5	18.0	16.0			22.5	22.5	23.0	22.5	20.5	20.0
26	15.5	14.5	16.5	15.5			22.5	22.0	23.5	23.0	21.0	20.5
27	15.5	14.5	16.5	16.0			22.5	21.5	24.0	23.0	21.0	20.5
28	15.0	14.5	18.0	16.5			22.5	21.5	23.5	23.0	20.5	20.0
29	15.5	15.0	18.0	17.0			22.5	21.5	23.5	23.0	21.0	20.5
30	16.0	15.0	19.0	17.0			25.0	22.0	24.0	23.5	21.5	21.0
31	---	---	19.0	17.0			24.5	22.0	24.0	23.0	---	---
MONTH	16.0	12.5	20.5	14.5			25.0	19.5	24.0	21.5	24.5	20.0

MOBILE RIVER BASIN

02383540 COOSAWATTEE RIVER NEAR CALHOUN, GA.

LOCATION.--Lat 34°32'28", long 84°54'03", Gordon County, Hydrologic Unit 03150102, at bridge on State Highway 225, 0.2 mi (0.3 km) upstream from confluence with Conasauga River, and 4.0 mi (6.4 km) northeast of Calhoun.

DRAINAGE AREA.--864 mi² (2,240 km²).

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, Air Temperature, Water Temperature, pH, and Dissolved Oxygen by U.S. Geological Survey. Flow regulated by Carters Lake and Carters re-regulation reservoir. (See "Lakes and Reservoirs in Mobile River Basin", stations 02381400 and 02382400.)

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	PH (UNITS)	TEMPER- ATURE, AIR (DEG C)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
OCT 24...	0930	266	7.8	16.5	17.0	8.0
NOV 28...	1110	720	7.2	10.5	14.0	8.8
DEC 12...	1015	950	7.2	3.0	8.0	10.6
JAN 23...	0900	3350	6.9	.0	5.0	11.2
FEB 20...	1400	1150	7.2	10.0	5.5	12.2
MAR 20...	0825	3950	6.9	13.0	10.0	11.4
APR 19...	0845	4950	7.1	12.0	14.0	9.9
MAY 22...	0910	2160	7.4	20.5	19.5	8.9
JUN 28...	0900	1550	6.7	22.0	19.0	9.3
JUL 24...	0900	1390	7.4	28.0	24.0	7.2
AUG 29...	0900	1660	6.8	25.0	22.5	7.4
SEP 25...	1140	600	7.0	24.0	20.0	8.0

DATE	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	TUR- BID- ITY (JTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	HARD- NESS (MG/L AS CAC03)	ALKA- LINITY (MG/L AS CAC03)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 24...	73	5	1.0	430	30	32	.11	<.02	.02	6.0
NOV 28...	56	7	.6	430	24	22	.12	.02	.02	5.0
DEC 12...	72	14	.2	930	30	23	.22	.06	.04	1.0
JAN 23...	48	14	1.1	430	--	17	.30	.03	.04	1.0
FEB 20...	66	6	.8	210	24	23	.29	<.02	.02	<1.0
MAR 20...	39	16	1.1	<30	18	13	.20	<.02	.02	1.3
APR 19...	49	16	1.6	260	36	17	.10	<.02	.04	3.0
MAY 22...	88	100	3.5	9300	38	35	.31	.10	.28	<5.0
JUN 28...	67	18	4.3	260	26	18	.14	<.02	.02	<1.0
JUL 24...	80	35	1.4	930	34	31	.09	.02	.05	3.0
AUG 29...	46	17	1.4	150	26	20	.12	.04	.02	3.0
SEP 25...	89	12	.6	750	38	40	.28	.02	.03	<1.0

02384748 CONASAUGA RIVER NEAR DALTON, GA.

LOCATION.--Lat 34°47'20", long 84°52'30", Whitfield-Murray County line, Hydrologic Unit 03150101, at Dalton water works intake, 0.4 mi (0.6 km) upstream from U.S. Highway 76, and 5.5 mi (8.8 km) east of Dalton.

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, Air Temperature, Water Temperature, pH, and Dissolved Oxygen by U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	PH (UNITS)	TEMPER- ATURE, AIR (DEG C)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
OCT 24...	1500	3.0	7.7	23.0	17.0	8.7
NOV 29...	0940	32	7.6	4.0	10.5	9.0
DEC 12...	1250	310	7.4	10.0	6.0	11.4
JAN 23...	1200	1960	7.0	7.5	4.0	12.6
FEB 20...	1650	475	7.5	8.5	5.0	11.7
MAR 20...	1530	--	7.5	24.0	13.5	9.6
APR 18...	1630	812	7.1	23.0	15.5	9.8
MAY 22...	1545	222	7.6	29.0	21.0	8.0
JUN 27...	1550	36	7.7	29.5	22.0	8.0
JUL 24...	1245	757	7.2	25.0	23.5	7.6
AUG 28...	1330	751	7.3	26.5	23.0	6.9
SEP 25...	1400	362	7.2	24.0	19.5	8.0

DATE	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	TUR- BID- ITY (JTU)	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 CAC03)	ALKA- LINITY (MG/L AS CAC03)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDE (MG/L)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 24...	150	10	1.4	2300	40	76	79	13	.06	<.02	.02	2.0
NOV 29...	129	10	.7	430	90	64	65	5	.08	.18	.02	3.0
DEC 12...	76	8	.1	23000	430	36	30	5	.28	.10	.03	1.0
JAN 23...	63	16	.6	9300	750	--	24	18	.33	<.02	.04	2.0
FEB 20...	93	7	.7	4300	40	50	39	6	.28	<.02	<.02	<1.0
MAR 20...	90	11	.8	930	90	51	40	16	.28	<.02	.02	1.3
APR 18...	74	15	1.3	43000	430	44	33	13	.26	<.02	.02	2.0
MAY 22...	110	28	1.3	15000	930	46	48	38	.12	.04	.06	<5.0
JUN 27...	102	13	<.1	7500	2300	52	49	15	.10	<.02	.02	<1.0
JUL 24...	86	22	.6	4300	930	52	36	49	.20	.02	.05	3.0
AUG 28...	72	28	.8	9300	3300	36	31	55	.14	<.02	.06	4.0
SEP 25...	82	10	.3	9300	4300	36	39	16	.18	.02	.02	1.0

MOBILE RIVER BASIN

02385800 HOLLY CREEK NEAR CHATSWORTH, GA.

LOCATION.--Lat 34°43'00", long 84°46'12", Murray County, Hydrologic Unit 03150101, on right bank 100 ft (30 m) upstream from bridge on county road, 3 mi (4.8 km) upstream from Rock Creek, and 3.3 mi (5.3 km) south of Chatsworth.

DRAINAGE AREA.--64.9 mi² (168 km²).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--June 1960 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 690 ft (210 m), from topographic map.

REMARKS.--Records 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 Geological Survey.

AVERAGE DISCHARGE.--19 years, 122 ft³/s (3.46 m³/s), 25.53 in/yr (648 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 9,110 ft³/s (258 m³/s) Mar. 4, 1979, gage height, 12.54 ft (3.822 m);

minimum, 2.0 ft³/s (0.057 m³/s) Sept. 2, 1962.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 1,500 ft³/s (42.5 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)	Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
Jan. 8	1400	1860 52.7	8.76 2.670	Mar. 4	1300	*9110 258	12.54 3.822
Jan. 21	1300	1860 52.7	8.76 2.670	Apr. 13	1300	2800 79.3	9.43 2.874
Feb. 25	0400	1770 50.1	8.69 2.649	July 22	0500	1920 54.4	8.90 2.713

Minimum daily discharge, 2.8 ft³/s (0.079 m³/s) Oct. 15.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.6	3.0	18	448	79	213	93	89	825	34	61	85
2	6.8	2.9	13	1180	70	169	92	83	316	30	61	54
3	6.0	3.2	11	418	74	171	673	82	266	28	51	66
4	5.5	3.1	56	136	74	4650	710	84	251	27	55	69
5	6.0	3.4	68	95	66	1420	422	80	161	27	46	49
6	5.8	3.7	29	83	66	577	229	74	131	26	40	54
7	5.5	4.2	18	359	350	372	169	70	117	26	37	49
8	5.2	4.8	14	1410	237	305	144	64	102	30	35	34
9	6.0	6.4	353	398	150	213	220	62	84	40	33	30
10	11	5.2	122	160	111	197	159	59	81	50	31	27
11	14	4.7	46	116	98	400	134	56	90	69	37	26
12	12	4.9	31	95	90	235	421	53	72	63	60	24
13	11	4.7	24	86	85	182	2360	57	65	40	36	24
14	5.2	4.9	21	76	79	183	1350	60	61	35	33	29
15	2.8	4.6	18	62	80	155	555	49	55	32	30	27
16	4.5	4.7	22	56	93	133	323	46	52	28	28	23
17	4.8	5.8	34	52	85	122	220	43	49	25	27	22
18	3.6	13	24	54	124	115	177	41	48	24	26	24
19	3.3	11	21	50	131	110	148	40	44	25	25	26
20	3.2	6.6	21	477	155	104	133	43	41	321	24	23
21	3.1	6.7	60	1560	403	105	119	69	40	710	23	112
22	2.8	5.1	58	591	471	97	110	81	47	1220	38	186
23	3.0	6.8	40	227	405	243	103	108	39	190	54	69
24	3.8	11	102	733	1010	473	97	763	41	117	28	50
25	4.0	8.8	203	433	1500	214	94	392	53	128	24	42
26	3.0	6.8	81	200	1100	151	164	152	41	167	44	38
27	3.5	6.0	52	158	470	124	166	115	37	212	194	250
28	3.6	11	40	134	264	112	125	140	34	165	80	679
29	3.6	27	34	108	---	104	106	127	32	113	60	569
30	3.8	44	86	95	---	99	97	250	38	83	42	160
31	6.1	---	583	90	---	94	---	1160	---	73	43	---
TOTAL	166.1	238.0	2303	10140	7920	11842	9913	4592	3313	4158	1406	2920
MEAN	5.36	7.93	74.3	327	283	382	330	148	110	134	45.4	97.3
MAX	14	44	583	1560	1500	4650	2360	1160	825	1220	194	679
MIN	2.8	2.9	11	50	66	94	92	40	32	24	23	22
CFSM	.09	.12	1.15	5.04	4.36	5.89	5.09	2.28	1.70	2.07	.70	1.50
IN.	.10	.14	1.32	5.81	4.54	6.79	5.68	2.63	1.90	2.38	.81	1.67
CAL YR 1978	TOTAL	36002.0	MEAN	98.6	MAX	2560	MIN	2.8	CFSM	1.52	IN	20.64
WTR YR 1979	TOTAL	58911.1	MEAN	161	MAX	4650	MIN	2.8	CFSM	2.48	IN	33.77

MOBILE RIVER BASIN

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02385800 HOLLY CREEK NEAR CHATSWORTH, GA.--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--March 1968 to June 1974, March 1978 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	TEMPER- ATURE (DEG C)	TUR- BID- ITY (NTU)	SEDI- MENT, SUS- PENDE (MG/L)	SEDI- MENT DIS- CHARGE, SUS- PENDE (T/DAY)
NOV 21...	0945	5.5	11.0	2.0	42	.62
JAN 24...	1715	851	5.0	30	39	90
MAR 29...	1005	105	12.5	4.0	15	4.3
APR 19...	0910	153	13.0	6.0	23	9.5
JUL 12...	1130	64	21.5	34	49	8.5
AUG 22...	1505	30	24.5	14	27	2.2

MOBILE RIVER BASIN

02387000 CONASAUGA RIVER AT TILTON, GA.

LOCATION.--Lat 34°40'00", long 84°55'42", Whitfield-Murray County line, Hydrologic Unit 03150101, on left bank 250 ft (76 m) downstream from highway bridge, 0.2 mi (0.3 km) downstream from Swamp Creek, 0.5 mi (0.8 km) northeast of Tilton, and 12 mi (19.3 km) upstream from confluence with Coosawattee River.

DRAINAGE AREA.--682 mi² (1,770 km²).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--June 1937 to current year.

GAGE.--Water-stage recorder. Datum of gage is 622.28 ft (189.671 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to Aug. 24, 1940, nonrecording gage at site 150 ft (46 m) upstream at same datum. Water-stage recorder on Oostanaula River at Resaca used as auxiliary gage since 1961.

REMARKS.--Records fair. Flow affected by withdrawals and return flow by the city of Dalton, Ga.

AVERAGE DISCHARGE.--42 years, 1,218 ft³/s (34.5 m³/s), 24.25 in/yr (616 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 29,000 ft³/s (821 m³/s) Mar. 30, 1951; maximum gage height, 30.2 ft (9.20 m) Mar. 30, 1951, backwater from Coosawattee River; minimum daily discharge, 50 ft³/s (1.42 m³/s) Oct. 29, 1978.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 18,900 ft³/s (538 m³/s) Mar. 6, gage height, 24.73 ft (7.538 m); minimum daily, 50 ft³/s (1.42 m³/s) Oct. 29.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	96	73	319	3770	1060	3190	905	1050	6190	411	884	1280
2	113	71	249	5240	920	1900	886	936	7430	480	791	1110
3	100	73	177	5920	828	1700	3020	876	7390	324	819	994
4	89	71	365	5020	873	8820	5930	974	4360	296	710	1090
5	87	60	816	1940	846	14200	6730	969	2580	283	981	936
6	81	76	755	1300	776	18300	4250	899	1770	276	737	748
7	70	95	446	1920	1530	13800	2160	806	1470	265	564	653
8	62	85	282	4570	2570	7420	1700	733	1250	280	495	557
9	85	86	1360	5420	2000	2860	1890	686	1090	410	448	465
10	100	86	3880	3820	1500	2200	2520	659	1030	532	412	418
11	73	88	3420	1700	1170	2910	1880	642	989	712	421	375
12	74	91	860	1320	1060	3170	2320	662	854	1170	1010	342
13	74	93	552	1140	989	2340	8620	736	748	1040	833	329
14	66	102	430	1040	929	1980	11400	1190	677	562	511	436
15	56	87	348	908	878	2090	15200	999	639	417	416	407
16	71	84	296	756	869	1760	12700	691	581	414	373	360
17	92	86	364	692	1060	1470	6140	591	552	361	343	322
18	83	107	359	664	1050	1300	2330	537	538	304	322	309
19	82	123	316	660	1150	1200	1960	505	504	306	307	321
20	75	183	284	1600	1260	1100	1600	495	462	2350	299	323
21	68	153	336	5800	1930	1050	1400	529	432	6090	280	1010
22	65	114	702	7200	3420	1030	1240	1060	440	8660	275	2790
23	78	112	794	7940	4150	1580	1110	1070	442	11200	306	1790
24	90	118	590	5470	5480	3450	1020	1770	434	10700	388	935
25	75	124	1040	4810	7410	3490	969	3770	545	4300	561	686
26	70	130	1230	4040	9220	2130	1620	2870	653	2650	983	567
27	67	135	836	2260	10300	1590	2450	1420	486	2870	4990	2070
28	63	133	603	1870	7300	1320	2500	1200	395	2650	3740	6350
29	50	152	484	1570	---	1140	1610	1420	350	1880	1940	7030
30	64	373	486	1300	---	1030	1230	1400	336	1360	1860	6420
31	90	---	2060	1150	---	953	---	3790	---	1040	978	---
TOTAL	2409	3364	25039	92810	72528	112473	109290	35935	45617	64593	27977	41423
MEAN	77.7	112	808	2994	2590	3628	3643	1159	1521	2084	902	1381
MAX	113	373	3880	7940	10300	18300	15200	3790	7430	11200	4990	7030
MIN	50	60	177	660	776	953	886	495	336	265	275	309
CFSM	.11	.16	1.19	4.39	3.80	5.32	5.34	1.70	2.23	3.06	1.32	2.03
IN.	.13	.18	1.37	5.06	3.96	6.13	5.96	1.96	2.49	3.52	1.53	2.26

CAL YR 1978 TOTAL 346749 MEAN 950 MAX 10000 MIN 50 CFSM 1.39 IN 18.91
WTR YR 1979 TOTAL 633458 MEAN 1736 MAX 18300 MIN 50 CFSM 2.55 IN 34.55

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 TEMPERATURES: October 1975 to current year.

DISSOLVED OXYGEN: October 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, Air Temperature, Water Temperature, pH, and Dissolved Oxygen by U.S. Geological Survey.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 478 micromhos Nov. 4, 1978; minimum, 45 micromhos Jan. 28, 1976.

pH: Maximum recorded, 8.7 units Feb. 28, Mar. 1, 1977; minimum recorded, 6.3 units July 5, 6, 1976.

WATER TEMPERATURE: Maximum recorded, 32.5°C Aug. 7, 1979; minimum recorded, 0.5°C Feb. 1, 2, 1977, Jan. 11, 20-23, 1978.

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, 478 micromhos Nov. 4; minimum, 46 micromhos Apr. 15, 16.

pH: Maximum recorded, 7.2 units Dec. 18; minimum recorded, 5.9 units Sept. 28, 29.

WATER TEMPERATURE: Maximum recorded, 32.5°C Aug. 7; minimum recorded, 3.0°C Jan. 4, Feb. 2.

DISSOLVED OXYGEN: Maximum recorded, 12.0 mg/L Jan. 5, Feb. 8; minimum recorded, 1.1 mg/L Dec. 9.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	PH (UNITS)	TEMPER- ATURE, AIR (DEG C)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
OCT						
17...	1300	95	6.8	17.0	14.5	5.3
NOV						
13...	1530	95	7.2	26.0	16.0	3.0
DEC						
26...	1530	1150	7.5	14.0	7.0	10.2
JAN						
16...	1400	752	7.4	6.0	5.0	11.4
MAR						
12...	1400	2950	7.4	14.0	9.0	10.6
APR						
16...	1300	11800	6.9	20.0	16.0	7.5
MAY						
16...	1545	612	7.6	27.0	20.5	6.1
JUN						
11...	1300	928	7.5	23.0	23.0	5.9
JUL						
09...	1300	368	7.5	19.5	21.0	6.2
AUG						
20...	1245	294	7.4	25.0	24.0	5.6
SEP						
24...	1300	900	7.4	20.0	19.5	7.4

02387000 CONASAUCA RIVER AT TILTON, GA.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	TUR- BID- ITY (JTU)	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 CAC03)
OCT 17...	367	4	40	2.3	1000	102
NOV 13...	372	8	50	2.1	930	104
DEC 26...	116	27	7	3.1	2300	50
JAN 16...	166	8	18	1.6	750	--
MAR 12...	90	25	14	2.2	2300	50
APR 16...	55	27	13	1.5	430	24
MAY 16...	140	12	22	2.4	40	64
JUN 11...	134	21	15	2.9	3900	54
JUL 09...	175	15	8	2.1	930	86
AUG 20...	180	19	16	2.3	230	76
SEP 24...	116	19	13	1.3	930	46

DATE	ALKALINITY (MG/L AS CAC03)	SOLIDS, RESIDUE AT 105 DEG. C. SUS- PENDE (MG/L)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 17...	115	11	1.0	.32	.33	1.9	8.0
NOV 13...	116	2	.48	1.0	2.2	1.9	13
DEC 26...	45	36	.34	.08	.44	.11	5.0
JAN 16...	56	8	.04	.16	.60	.18	3.0
MAR 12...	35	37	.28	.05	.30	.09	4.0
APR 16...	22	8	.12	.04	.34	.07	4.0
MAY 16...	62	32	.36	.14	1.2	.46	7.0
JUN 11...	54	30	.39	.09	.60	.18	3.5
JUL 09...	70	46	.90	.20	.54	.46	2.0
AUG 20...	76	23	.36	.09	.33	.23	2.0
SEP 24...	49	31	.18	.06	.45	.13	2.0

02387000 CONASAUGA RIVER AT TILTON, GA.--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	407	392	384	350	281	253	140	106	131	127	---	---
2	398	318	421	370	251	229	115	96	133	126	113	105
3	316	268	462	421	245	231	95	65	136	130	116	103
4	354	280	478	452	248	211	92	65	136	130	96	62
5	394	357	477	456	252	202	113	94	136	130	61	51
6	395	368	463	440	207	196	122	113	145	137	55	47
7	399	375	438	309	214	195	137	124	157	125	73	52
8	395	358	346	299	246	211	130	94	125	118	97	71
9	383	365	407	349	264	181	90	64	---	---	101	91
10	387	292	441	410	167	88	99	67	---	---	106	100
11	336	279	477	442	111	87	---	---	---	---	116	99
12	391	342	476	408	137	116	---	---	---	---	101	93
13	453	398	429	342	160	139	---	---	---	---	104	94
14	462	435	339	307	184	162	---	---	---	---	120	99
15	438	409	379	312	203	179	---	---	---	---	119	111
16	417	380	431	382	213	200	156	151	---	---	130	110
17	394	321	447	428	220	187	174	156	---	---	132	98
18	356	313	447	422	193	176	188	174	---	---	114	95
19	382	345	456	378	233	187	183	173	---	---	117	96
20	411	374	372	279	---	---	172	122	---	---	142	113
21	413	385	298	271	---	---	124	76	---	---	142	130
22	407	393	320	300	---	---	74	56	---	---	138	132
23	407	391	356	319	173	161	72	55	---	---	147	110
24	396	296	383	354	158	147	93	72	---	---	137	97
25	337	289	373	242	163	127	---	---	---	---	96	70
26	400	335	252	234	134	125	88	82	---	---	76	70
27	443	400	265	252	138	128	98	89	---	---	98	78
28	448	434	257	240	143	130	102	97	---	---	113	101
29	441	425	282	247	156	136	111	102	---	---	137	115
30	436	413	337	258	158	152	121	112	---	---	142	136
31	430	386	---	---	165	141	129	122	---	---	146	140
MONTH	462	268	478	234	281	87	188	55	157	118	147	47
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	143	140	126	109	98	66	186	170	171	163	156	131
2	149	139	138	126	73	62	189	157	---	---	---	---
3	161	116	144	136	95	74	190	167	184	177	---	---
4	111	75	154	143	97	89	187	167	184	172	145	127
5	82	70	145	138	116	98	181	169	174	142	156	143
6	92	83	147	134	128	115	177	163	167	148	166	156
7	98	91	158	132	129	124	---	---	188	161	186	166
8	104	96	173	160	---	---	---	---	---	---	184	172
9	121	102	175	167	---	---	184	162	---	---	183	175
10	64	56	185	173	---	---	204	166	---	---	179	164
11	121	60	189	176	142	133	206	168	---	---	194	180
12	123	102	181	149	152	142	186	165	---	---	---	---
13	98	65	159	138	174	154	189	171	---	---	---	---
14	63	49	176	159	183	165	---	---	---	---	---	---
15	54	46	177	171	177	169	---	---	---	---	---	---
16	87	46	177	165	175	157	---	---	---	---	---	---
17	114	82	182	166	166	157	---	---	---	---	---	---
18	128	110	196	180	163	147	---	---	---	---	---	---
19	134	119	192	186	213	171	---	---	---	---	---	---
20	136	125	185	172	207	193	---	---	190	186	216	206
21	136	130	176	163	206	192	---	---	234	191	220	108
22	132	126	219	166	222	196	---	---	250	231	147	108
23	134	121	174	164	214	196	---	---	254	241	116	97
24	142	129	182	133	211	183	---	---	246	209	132	84
25	141	135	132	67	187	164	---	---	254	178	157	135
26	158	132	82	69	188	164	---	---	201	152	180	161
27	135	125	85	80	223	184	---	---	104	93	186	101
28	126	96	95	80	221	201	---	---	118	92	118	86
29	96	91	125	94	221	201	---	---	135	117	86	84
30	111	92	138	127	206	189	---	---	137	110	107	85
31	---	---	147	97	---	---	163	155	146	130	---	---
MONTH	161	46	219	67	223	62	206	155	254	92	220	84

02387000 CONASAUGA RIVER AT TILTON, GA.--Continued

PH (STANDARD UNITS), WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH		
1	6.7	6.7	6.8	6.7	6.9	6.8	6.9	6.7	6.9	6.9	---	---
2	6.7	6.7	6.8	6.8	6.8	6.7	6.7	6.6	7.0	6.9	6.7	6.6
3	6.9	6.7	6.8	6.8	6.8	6.8	6.6	6.5	7.0	6.9	6.8	6.7
4	6.8	6.8	6.8	6.8	6.8	6.8	6.5	6.4	7.1	7.0	---	---
5	6.8	6.7	6.8	6.8	6.9	6.7	6.7	6.5	7.1	7.1	---	---
6	6.8	6.7	6.8	6.8	6.9	6.8	6.9	6.8	7.1	7.0	---	---
7	6.8	6.7	6.8	6.7	6.9	6.8	6.9	6.8	7.0	6.9	---	---
8	6.8	6.7	6.8	6.7	6.8	6.7	6.8	6.6	6.9	6.8	---	---
9	6.7	6.7	6.8	6.7	6.8	6.5	6.6	6.3	---	---	---	---
10	6.8	6.7	6.7	6.7	6.7	6.5	6.5	6.4	---	---	---	---
11	6.8	6.8	6.7	6.7	6.6	6.5	---	---	---	---	---	---
12	6.8	6.8	6.7	6.7	6.6	6.6	---	---	---	---	6.6	6.4
13	6.8	6.7	6.7	6.6	6.7	6.7	---	---	---	---	6.4	6.3
14	6.8	6.7	6.7	6.4	6.8	6.7	---	---	---	---	6.4	6.4
15	6.8	6.8	6.7	6.6	6.9	6.9	---	---	---	---	6.5	6.4
16	6.8	6.8	6.7	6.7	6.9	6.9	7.0	6.9	---	---	6.4	6.0
17	6.8	6.7	6.8	6.7	7.1	6.9	7.0	6.9	---	---	6.5	6.0
18	6.9	6.8	6.8	6.7	7.2	7.1	7.0	6.9	---	---	6.5	6.0
19	6.8	6.8	6.8	6.7	7.1	6.9	7.0	6.9	---	---	6.6	6.5
20	6.8	6.7	6.8	6.7	7.0	6.8	7.0	6.9	---	---	6.6	6.5
21	6.8	6.7	6.8	6.8	---	---	6.9	6.5	---	---	6.6	6.5
22	6.7	6.7	6.8	6.7	6.7	6.7	6.5	6.3	---	---	6.6	6.5
23	6.7	6.7	6.7	6.7	7.1	6.7	6.5	6.3	---	---	6.6	6.4
24	6.8	6.7	6.7	6.7	7.1	7.0	6.5	6.4	---	---	6.6	6.4
25	6.8	6.8	6.7	6.7	7.1	6.9	---	---	---	---	6.4	6.1
26	6.8	6.7	6.8	6.7	7.0	6.9	6.6	6.5	---	---	6.4	6.0
27	6.7	6.7	6.8	6.8	7.1	7.0	6.8	6.6	---	---	6.4	6.4
28	6.8	6.7	6.8	6.8	7.0	6.9	6.9	6.8	---	---	6.5	6.3
29	6.8	6.7	6.8	6.7	7.0	6.9	6.9	6.9	---	---	6.6	6.5
30	6.8	6.7	6.8	6.6	7.1	7.0	6.9	6.9	---	---	6.6	6.6
31	6.8	6.7	---	---	7.0	6.9	6.9	6.9	---	---	6.7	6.6
MONTH	6.9	6.7	6.8	6.4	7.2	6.5	7.0	6.3	7.1	6.8	6.8	6.0
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER		
1	6.7	6.7	6.8	6.8	6.5	6.2	6.8	6.7	7.1	7.0	6.6	6.4
2	6.7	6.7	6.8	6.7	6.3	6.2	6.9	6.8	---	---	---	---
3	6.7	6.5	6.7	6.7	6.4	6.3	6.9	6.8	7.1	7.1	---	---
4	6.5	6.3	6.7	6.7	6.6	6.4	6.8	6.8	7.1	7.1	6.8	6.6
5	6.3	6.2	6.8	6.7	6.6	6.6	6.8	6.8	7.1	7.0	6.9	6.7
6	6.4	6.2	6.9	6.8	6.7	6.6	6.8	6.8	7.0	6.6	6.8	6.6
7	6.5	6.4	6.9	6.8	6.7	6.6	---	---	6.9	6.8	6.7	6.6
8	6.6	6.5	6.8	6.7	---	---	---	---	---	---	6.6	6.5
9	6.6	6.5	6.7	6.6	---	---	7.0	6.9	---	---	6.6	6.6
10	6.7	6.5	6.7	6.6	---	---	7.0	6.8	---	---	6.6	6.5
11	6.6	6.5	6.7	6.6	6.8	6.8	6.8	6.7	---	---	6.6	6.5
12	---	---	6.9	6.7	6.8	6.7	6.9	6.8	---	---	---	---
13	---	---	6.9	6.8	6.7	6.7	6.9	6.8	---	---	---	---
14	6.6	6.5	6.8	6.7	6.7	6.7	---	---	---	---	---	---
15	6.9	6.7	6.8	6.7	6.7	6.7	---	---	---	---	---	---
16	7.0	6.4	6.8	6.7	6.7	6.6	---	---	---	---	---	---
17	6.4	6.3	6.8	6.7	6.8	6.7	---	---	---	---	---	---
18	6.6	6.4	6.7	6.7	6.8	6.8	---	---	---	---	---	---
19	6.6	6.5	6.8	6.7	6.8	6.6	---	---	---	---	---	---
20	6.5	6.5	6.8	6.8	6.6	6.6	---	---	7.0	6.7	6.5	6.4
21	6.6	6.5	6.8	6.8	6.6	6.6	---	---	7.0	6.9	6.4	6.1
22	6.6	6.5	6.8	6.7	6.6	6.5	---	---	7.0	7.0	6.4	6.2
23	6.6	6.6	6.8	6.7	6.6	6.5	---	---	7.0	6.9	6.3	6.2
24	6.9	6.6	6.7	6.6	6.7	6.6	---	---	6.9	6.8	6.3	6.2
25	6.9	6.8	6.6	6.3	6.8	6.7	---	---	6.9	6.8	6.3	6.2
26	6.8	6.8	6.4	6.3	6.8	6.8	---	---	6.9	6.8	6.3	6.2
27	6.9	6.8	6.6	6.4	6.8	6.7	---	---	6.4	6.3	6.3	6.0
28	6.9	6.7	6.6	6.5	6.7	6.7	---	---	6.4	6.3	6.1	5.9
29	6.8	6.7	6.7	6.6	6.7	6.6	---	---	6.7	6.4	6.0	5.9
30	6.8	6.7	6.7	6.6	6.7	6.6	---	---	6.7	6.4	6.1	6.0
31	---	---	6.7	6.4	---	---	7.1	7.0	6.5	6.4	---	---
MONTH	7.0	6.2	6.9	6.3	6.8	6.2	7.1	6.7	7.1	6.3	6.9	5.9

02387000 CONASAUGA RIVER AT TILTON, GA.--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	22.0	21.0	16.5	14.5	12.0	11.0	11.5	9.0	5.5	4.5	---	---
2	22.5	20.0	17.0	15.0	11.0	10.0	12.0	9.5	4.0	3.0	11.0	10.5
3	22.0	19.5	17.0	15.0	11.5	11.0	9.0	4.0	4.0	3.5	12.5	11.0
4	22.5	20.0	16.5	14.5	13.0	11.5	4.0	3.0	5.5	3.5	15.0	12.5
5	22.0	19.0	15.5	13.5	13.0	11.0	4.0	3.5	4.5	4.5	15.0	13.5
6	21.0	18.5	15.0	13.5	11.0	10.0	5.0	4.0	4.5	4.0	13.5	13.0
7	20.0	17.0	14.5	13.5	11.0	9.5	9.5	5.0	4.5	3.5	12.5	11.5
8	18.5	16.0	14.0	13.0	13.5	11.0	10.0	8.5	3.5	3.5	11.5	10.0
9	17.5	15.0	14.0	12.5	14.0	12.0	8.5	5.5	---	---	10.5	9.5
10	16.5	14.5	16.0	14.0	12.0	8.5	6.0	3.5	---	---	10.5	10.5
11	17.5	15.5	16.5	14.5	8.0	6.5	---	---	---	---	10.5	9.5
12	19.0	16.5	16.5	14.5	6.5	5.5	---	---	---	---	10.0	8.5
13	20.0	18.0	16.5	14.5	6.5	5.0	---	---	---	---	10.5	9.0
14	20.0	18.5	16.0	15.0	6.5	5.5	---	---	---	---	13.0	10.5
15	19.0	15.5	17.0	15.5	6.5	4.5	---	---	---	---	14.5	12.0
16	16.5	13.5	18.5	17.0	7.0	6.0	5.0	4.0	---	---	16.0	12.5
17	15.5	13.0	19.0	18.0	7.0	6.0	7.0	5.0	---	---	14.5	12.0
18	15.0	12.5	18.5	17.0	6.0	5.0	8.5	7.0	---	---	14.0	10.0
19	14.5	12.5	17.0	15.0	8.5	6.0	8.0	7.5	---	---	14.0	11.5
20	15.5	13.5	15.5	14.5	---	---	7.5	7.0	---	---	15.0	14.0
21	16.0	14.0	14.5	13.5	---	---	7.0	6.5	---	---	16.5	15.5
22	16.5	14.5	14.5	13.0	---	---	6.5	5.0	---	---	17.0	16.0
23	17.5	15.5	15.0	14.0	8.5	5.5	5.0	4.5	---	---	17.5	16.0
24	17.5	16.0	16.0	14.5	8.0	7.5	6.0	5.5	---	---	17.5	14.5
25	16.5	15.5	15.5	12.5	8.0	7.5	---	---	---	---	15.0	11.0
26	17.5	15.5	12.0	10.5	7.5	6.5	5.0	4.5	---	---	11.0	9.0
27	19.0	17.0	12.0	11.0	6.5	5.5	5.5	5.0	---	---	13.0	10.5
28	18.5	17.0	12.5	12.0	6.0	5.0	6.0	5.5	---	---	12.5	10.0
29	18.0	16.0	12.0	10.5	6.0	4.5	6.0	5.0	---	---	11.5	12.5
30	17.5	15.5	12.5	10.5	6.5	5.5	6.0	5.0	---	---	15.5	13.5
31	17.5	15.5	---	---	9.0	6.5	6.0	5.5	---	---	16.0	15.0
MONTH	22.5	12.5	19.0	10.5	14.0	4.5	12.0	3.0	5.5	3.0	17.5	8.5
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	17.5	15.5	17.0	15.0	21.5	19.5	24.5	22.5	27.5	22.5	29.0	25.5
2	17.0	16.5	18.0	16.0	22.0	21.0	23.5	22.0	---	---	---	---
3	17.0	15.5	18.5	17.5	22.0	20.5	25.0	22.5	28.0	24.5	---	---
4	15.5	15.0	18.5	18.0	20.5	20.0	26.0	24.0	28.5	23.5	24.0	22.5
5	15.5	15.0	19.0	18.0	21.0	19.5	26.0	25.0	27.5	24.0	---	---
6	15.5	14.0	19.5	18.0	20.5	20.0	25.0	24.0	28.5	21.5	---	---
7	15.0	13.5	20.0	18.0	20.0	20.0	---	---	32.5	24.0	---	---
8	14.5	14.0	20.5	19.5	---	---	---	---	---	---	---	---
9	14.0	14.0	21.5	20.5	---	---	21.0	20.0	---	---	---	---
10	14.0	13.0	23.5	21.5	---	---	21.5	20.0	---	---	---	---
11	15.5	15.0	23.5	22.0	23.5	22.5	21.5	20.5	---	---	---	---
12	15.5	15.0	22.0	19.5	23.0	21.0	22.0	20.5	---	---	---	---
13	15.5	15.0	20.0	19.0	23.5	21.0	23.0	21.5	---	---	---	---
14	16.0	14.5	20.0	18.5	23.5	22.0	---	---	---	---	---	---
15	16.5	15.0	20.5	19.0	23.5	21.5	---	---	---	---	---	---
16	16.5	15.0	21.0	19.0	23.0	21.5	---	---	---	---	---	---
17	15.5	15.0	21.5	19.0	23.0	21.0	---	---	---	---	---	---
18	16.0	14.5	21.5	19.0	23.5	21.0	---	---	---	---	---	---
19	16.0	15.0	21.5	19.5	25.0	22.5	---	---	---	---	---	---
20	17.0	15.0	22.0	20.0	25.0	23.5	---	---	27.0	24.0	22.0	21.0
21	18.0	16.0	22.0	20.5	25.0	23.5	---	---	28.0	24.0	22.0	21.5
22	18.0	17.0	22.0	21.0	25.5	23.0	---	---	28.0	25.0	22.0	21.0
23	18.5	17.5	22.0	21.0	25.5	23.5	---	---	27.5	25.0	21.0	19.5
24	18.5	18.0	21.0	19.5	25.5	24.0	---	---	28.5	24.5	20.0	19.5
25	18.0	17.5	19.5	16.5	24.5	22.5	---	---	29.5	23.5	20.5	19.5
26	18.0	17.5	16.5	15.0	22.5	21.5	---	---	25.5	21.0	20.5	20.0
27	18.0	17.0	15.5	14.5	23.5	21.0	---	---	25.5	23.0	20.5	19.5
28	17.0	16.0	16.5	15.0	24.0	21.5	---	---	27.0	24.0	20.0	19.5
29	16.0	15.0	17.5	16.5	24.0	22.5	---	---	28.5	25.5	20.5	20.0
30	16.0	14.5	19.0	17.5	24.5	22.5	---	---	29.0	24.0	20.5	20.0
31	---	---	20.0	19.0	---	---	26.5	24.5	29.5	25.5	---	---
MONTH	18.5	13.0	23.5	14.5	25.5	19.5	26.5	20.0	32.5	21.0	29.0	19.5

02387000 CONASAUGA RIVER AT TILTON, GA.--Continued

OXYGEN, DISSOLVED (DO), MG/L, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH		
1	3.5	2.4	3.5	2.4	8.0	6.9	10.3	9.6	11.4	11.2	---	---
2	4.1	2.7	3.3	2.2	7.7	6.9	9.7	9.4	11.8	11.5	10.3	10.1
3	5.0	3.0	2.4	1.6	7.6	7.3	11.3	9.8	11.9	11.7	10.1	9.4
4	6.2	3.4	2.2	1.6	7.9	5.3	11.6	10.8	11.9	11.8	9.3	7.4
5	5.9	3.3	2.2	1.8	6.6	4.6	12.0	11.3	11.8	11.7	8.2	7.3
6	6.0	3.6	2.5	1.9	7.7	6.5	11.9	11.7	11.7	11.6	8.7	8.0
7	5.1	3.0	4.1	2.3	7.9	7.6	11.6	9.7	11.8	11.3	8.5	8.3
8	5.9	3.3	3.9	3.2	7.5	6.5	10.1	8.9	12.0	11.9	9.1	8.6
9	5.3	4.1	3.7	2.9	7.2	1.1	10.7	8.1	---	---	10.0	9.1
10	5.5	4.2	3.1	2.7	9.3	5.6	11.5	9.9	---	---	10.0	9.7
11	6.9	6.4	2.7	2.1	9.8	9.3	---	---	---	---	10.3	9.4
12	7.2	5.6	2.7	1.7	10.3	9.8	---	---	---	---	10.7	9.8
13	6.3	4.0	3.2	2.0	10.5	10.2	---	---	---	---	11.1	9.9
14	5.4	3.5	4.3	3.0	10.4	10.2	---	---	---	---	10.1	8.9
15	5.4	3.7	3.7	2.3	10.4	10.1	---	---	---	---	9.0	7.9
16	6.4	5.2	2.3	1.7	10.0	9.9	11.3	11.2	---	---	8.0	7.4
17	6.3	5.0	2.0	1.5	10.3	9.6	11.3	10.8	---	---	---	---
18	5.9	4.5	1.8	1.4	10.4	10.3	10.7	9.9	---	---	10.0	9.8
19	5.2	4.1	1.8	1.3	10.3	8.6	10.1	9.9	---	---	9.8	9.0
20	4.6	3.7	3.4	1.9	---	---	10.7	10.0	---	---	9.0	7.5
21	3.8	3.2	4.0	3.5	---	---	10.7	10.4	---	---	8.4	7.7
22	3.9	3.2	4.0	3.4	---	---	10.8	10.5	---	---	7.7	7.5
23	3.7	2.9	3.7	2.7	---	---	11.1	10.9	---	---	7.9	7.4
24	5.2	3.0	2.6	2.1	9.9	9.5	10.9	10.4	---	---	8.3	7.6
25	4.0	2.9	4.4	2.2	10.0	9.7	---	---	---	---	7.4	7.0
26	2.9	1.8	6.0	4.5	10.3	9.9	11.3	11.1	---	---	10.5	9.4
27	2.1	1.4	6.6	5.8	10.5	10.4	11.4	11.3	---	---	10.2	8.7
28	1.8	1.3	7.4	6.3	10.6	10.2	11.3	11.2	---	---	10.2	8.4
29	2.2	1.5	6.4	4.7	10.9	10.7	11.5	11.3	---	---	10.0	9.1
30	2.5	1.9	6.8	3.8	11.1	10.9	11.4	11.3	---	---	9.1	8.4
31	2.8	2.1	---	---	10.9	10.3	11.3	11.1	---	---	8.5	8.3
MONTH	7.2	1.3	7.4	1.3	11.1	1.1	12.0	8.1	12.0	11.2	11.1	7.0
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER		
1	8.3	8.2	8.5	8.1	7.1	6.6	5.7	4.4	6.4	6.2	5.9	4.6
2	8.2	7.8	8.2	7.5	6.6	6.4	5.7	5.3	6.1	---	---	---
3	8.2	7.7	7.5	6.9	6.6	6.2	5.3	4.9	6.1	5.9	---	---
4	8.4	8.2	6.9	6.5	7.4	6.5	4.9	4.5	5.9	5.6	6.6	6.4
5	8.3	8.2	6.9	6.6	7.3	7.2	4.9	4.4	6.4	5.5	6.4	5.8
6	8.9	8.0	7.4	6.9	7.2	7.0	4.8	4.6	6.2	5.9	5.8	5.1
7	9.2	8.9	7.3	6.5	7.1	7.0	---	---	5.9	5.1	5.1	4.6
8	9.2	9.2	6.5	5.5	---	---	---	---	---	---	4.6	4.0
9	9.2	8.7	5.5	4.7	---	---	6.7	6.2	---	---	4.9	4.4
10	9.1	7.4	4.6	3.7	---	---	6.7	5.6	---	---	5.2	5.0
11	8.9	8.5	4.9	3.6	6.2	6.0	6.5	5.7	---	---	5.1	4.9
12	8.5	8.1	6.4	4.7	6.2	6.0	6.8	6.3	---	---	---	---
13	8.4	7.9	6.7	6.3	6.0	5.6	6.6	6.1	---	---	---	---
14	7.9	7.5	6.8	6.2	5.7	5.2	---	---	---	---	---	---
15	7.6	7.5	6.3	6.1	5.7	4.9	---	---	---	---	---	---
16	7.7	7.4	6.3	6.0	5.9	5.4	---	---	---	---	---	---
17	8.3	7.7	6.1	5.7	5.9	5.2	---	---	---	---	---	---
18	8.7	8.4	5.9	5.1	6.2	5.6	---	---	---	---	---	---
19	8.7	8.5	5.6	5.1	5.6	3.9	---	---	---	---	---	---
20	8.5	8.0	5.6	5.2	4.2	3.6	---	---	5.9	5.7	2.6	2.4
21	8.1	7.8	5.8	5.4	4.0	3.3	---	---	5.6	4.5	6.8	1.9
22	8.0	7.9	6.0	4.4	3.6	2.9	---	---	4.5	3.9	6.6	3.5
23	8.1	8.0	6.0	5.3	3.3	3.0	---	---	4.4	3.7	7.3	6.1
24	8.0	7.7	6.7	5.1	4.4	3.3	---	---	4.4	4.0	7.4	7.0
25	7.5	7.0	7.9	6.7	6.0	4.5	---	---	4.6	2.1	6.9	6.3
26	7.2	6.9	8.4	7.9	6.5	5.6	---	---	4.9	4.0	6.3	5.3
27	7.5	7.1	8.9	8.4	5.5	4.7	---	---	6.2	6.0	6.9	5.1
28	8.0	7.5	8.9	8.5	4.7	4.2	---	---	6.3	6.0	7.1	6.4
29	8.5	8.0	8.5	8.0	5.7	4.9	---	---	6.6	6.2	6.7	6.5
30	8.7	8.4	8.0	7.1	5.7	4.4	---	---	6.6	5.5	6.6	6.1
31	---	---	7.4	6.7	---	---	6.7	6.4	5.6	4.9	---	---
MONTH	9.2	6.9	8.9	3.6	7.4	2.9	6.8	4.4	6.6	2.1	7.4	1.9

02387050 CONASAUGA RIVER NEAR RESACA, GA.

LOCATION.--Lat 34°35'36", long 84°56'02", Gordon County, Hydrologic Unit 03150101, at county highway bridge, 1.1 mi (1.8 km) northeast of Resaca, and 5.1 mi (8.2 km) upstream from confluence with Coosawattee River.

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, Air Temperature, Water Temperature, pH, and Dissolved Oxygen by U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	PH (UNITS)	TEMPER- ATURE, AIR (DEG C)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
OCT						
24...	1100	78	7.4	19.0	17.0	3.0
NOV						
28...	1215	128	7.3	11.0	13.0	5.1
DEC						
12...	1130	812	6.9	7.0	6.5	10.4
JAN						
23...	1035	9050	6.9	4.5	4.0	12.6
FEB						
20...	1530	1380	7.5	9.5	4.5	11.0
MAR						
20...	0935	1440	7.1	16.5	14.0	8.7
APR						
19...	0740	1900	7.3	8.0	15.0	8.9
MAY						
22...	1000	920	7.4	22.0	20.5	6.2
JUN						
28...	0750	325	7.4	20.5	22.0	5.5
JUL						
24...	0930	10500	6.8	28.0	24.0	6.0
AUG						
29...	0810	2140	7.2	23.0	23.0	5.4
SEP						
25...	1210	666	7.2	25.0	20.0	5.8

DATE	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	TUR- BID- ITY (JTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, FC BROTH (MPN)	HARD- NESS (MG/L AS CAC03)	ALKA- LITY (MG/L AS CAC03)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT										
24...	389	4	2.9	930	104	116	.80	.10	--	15
NOV										
28...	266	7	1.6	170	94	95	1.4	.08	.73	10
DEC										
12...	110	27	2.5	2300	44	35	.60	.40	.24	6.0
JAN										
23...	53	35	1.9	930	--	17	.24	.03	.12	4.0
FEB										
20...	136	13	2.6	150	50	46	.31	.20	.18	3.0
MAR										
20...	124	29	3.0	90	52	49	.34	.17	.25	4.5
APR										
19...	100	16	1.8	930	42	40	.31	.06	.18	6.0
MAY										
22...	170	21	3.9	1500	70	67	.74	.36	.53	<5.0
JUN										
28...	190	16	2.1	150	78	71	.57	.09	.48	3.5
JUL										
24...	60	26	.4	230	36	24	.10	.05	.13	7.0
AUG										
29...	112	50	2.5	4300	66	41	.20	.07	.27	15
SEP										
25...	128	19	3.0	930	48	49	.28	.12	.34	6.0

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 (61 m) downstream from Nashville, Chattanooga, & St. Louis Railway bridge, 0.8 mi (1.3 km) upstream from Camp Creek, and 3.5 mi (5.6 km) downstream from confluence of Conasauga and Coosawattee Rivers.

DRAINAGE AREA.--1,610 mi² (4,170 km²), approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1892 to current year. Monthly discharge only for some periods, 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, 1905-7, 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).

GAGE.--Water-stage recorder. Datum of gage is 604.14 ft (184.142 m) 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 (10.5 km) downstream. Oct. 28, 1948, to May 31, 1979, nonrecording auxiliary gage located at State Route 136 connector 7.1 mi (11.4 km) downstream.

REMARKS.--Records good except those for period when gage was removed for bridge construction, June 1 to Sept. 30, which are fair. Discharges for this period computed on the basis of record collected at auxiliary gage. Flow regulated by Carters Lake and re-regulation dam. (See "Lakes and Reservoirs in Mobile River Basin," stations 02381400 and 02382400).

AVERAGE DISCHARGE.--87 years, 2,812 ft³/s (79.6 m³/s), 23.72 in/yr (602 mm/yr), unadjusted.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 54,800 ft³/s (1,550 m³/s) Mar. 31, 1951; maximum gage height, 34.6 ft (10.55 m) Mar. 31, 1951; minimum discharge observed, 180 ft³/s (5.10 m³/s) Sept. 7, 8, 1925, gage height, 0.5 ft (0.15 m).

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known since at least 1834, 36.6 ft (11.16 m) Apr. 1, 1886, from information by Georgia Department of Archives; discharge, 68,600 ft³/s (1,940 m³/s).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 26,200 ft³/s (742 m³/s) Mar. 6, gage height, 28.24 ft (8.608 m); minimum daily discharge, 354 ft³/s (10.0 m³/s) Oct. 30.

DISCHARGE, IN CUHIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	384	395	1080	6010	3940	11500	2260	3350	7630	1050	2310	2130
2	412	381	801	8560	2780	7250	3090	3090	8510	1530	1990	2190
3	433	387	621	10000	2510	5050	6660	2950	8130	1130	2130	2030
4	441	426	666	9520	2410	15200	12100	3190	7180	1230	2030	2240
5	437	461	1420	6140	2080	22200	13000	3280	4940	1480	2010	2650
6	397	378	1710	3200	1970	26000	10600	3070	4200	1480	1960	2470
7	383	373	1390	3010	3310	24400	5880	2630	3740	1280	1740	1510
8	398	385	1320	8020	4680	20300	4320	2370	3600	1230	1460	1360
9	395	404	1920	9100	4320	15700	4600	2160	3740	1530	1830	1250
10	395	403	5180	7930	4020	11100	5980	1700	3180	1980	2030	1330
11	398	423	5500	4970	2890	9310	5160	1910	2570	1620	1430	1170
12	389	445	2420	4190	2600	8700	5230	2350	2190	2210	2330	1230
13	403	420	1780	2930	2370	7940	13000	2650	2130	2190	2080	1200
14	395	375	1540	2290	2270	7160	20100	2920	2080	1760	1480	1370
15	397	393	1500	1730	2200	7060	23100	2320	1950	1060	1280	1210
16	376	362	1290	2280	2060	6710	23200	2160	1710	1530	1430	1160
17	379	371	756	2740	2150	6410	19400	2010	1560	1380	1630	1050
18	406	460	778	2600	2400	6200	14600	2190	1420	994	1060	1080
19	419	582	1220	2350	1980	5910	9960	1530	1440	1370	1080	1230
20	419	583	1090	2990	3010	5110	6940	1480	1790	1970	921	1590
21	404	617	1040	9550	3330	4120	6340	1940	1110	5570	774	2590
22	397	516	1010	11800	6050	3760	6000	2780	1110	7780	744	3330
23	385	494	1830	11500	7850	3870	5690	3150	1240	8790	1420	2660
24	378	513	1340	11900	10400	5880	5470	3590	1260	9440	1740	1750
25	387	557	2860	11200	13500	6170	5460	4890	1890	8440	1470	1450
26	383	679	2520	9830	14600	4760	6810	5540	1890	3900	2660	1640
27	390	795	2150	6090	14600	3840	7060	2830	1390	3890	5360	2470
28	391	849	2210	3950	13300	3520	6240	1800	1850	3770	5930	8020
29	386	967	1680	3220	---	3330	5020	2510	1560	3280	3580	8780
30	354	1640	1410	3280	---	2450	4110	3420	1190	2840	2530	7670
31	361	---	2980	3310	---	2230	---	4100	---	2440	2110	---
TOTAL	12272	16054	55012	186190	139580	273140	267380	85860	88180	90144	62529	71810
MEAN	396	535	1775	6006	4985	8811	8913	2770	2939	2908	2017	2394
MAX	441	1540	5500	11900	14600	26000	23200	5540	8510	9440	5930	8780
MIN	354	362	621	1730	1970	2230	2260	1480	1110	994	744	1050

CAL YR 1978 TOTAL 840774 MEAN 2303 MAX 15600 MIN 354 MEAN† 2318 CFSM† 1.44 IN† 19.55
WTR YR 1979 TOTAL 1348151 MEAN 3694 MAX 26000 MIN 354 MEAN† 3696 CFSM† 2.30 IN† 31.22

† ADJUSTED FOR CHANGEIN CONTENTS IN CARTERS LAKE AND CARTERS RE-REGULATION DAM.

02387500 OOSTANAULA RIVER AT RESACA, GA.--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.38	1.42	3.13	10.34	7.98	16.65	5.43	7.14				
2	1.47	1.37	2.54	13.11	6.29	12.04	6.77	6.78				
3	1.54	1.39	2.07	14.33	5.85	9.44	11.17	6.57				
4	1.56	1.51	2.20	14.12	5.68	19.84	17.20	6.91				
5	1.55	1.62	3.81	10.62	5.12	26.70	17.87	7.04				
6	1.43	1.37	4.40	6.77	4.92	28.17	15.53	6.74				
7	1.38	1.36	3.77	6.46	7.04	27.61	10.44	6.04				
8	1.43	1.41	3.62	12.77	8.97	25.78	8.51	5.62				
9	1.42	1.48	4.75	13.90	8.51	22.61	8.86	5.24				
10	1.42	1.48	9.54	12.69	8.09	17.87	10.60	4.39				
11	1.43	1.55	10.00	9.24	6.47	14.21	9.58	4.80				
12	1.40	1.69	5.60	8.23	6.00	13.60	9.60	5.58				
13	1.44	1.56	4.54	6.43	5.61	12.81	19.92	6.09				
14	1.42	1.43	4.06	5.39	5.45	11.96	25.13	6.51				
15	1.42	1.49	3.98	4.33	5.33	11.85	27.39	5.53				
16	1.35	1.39	3.56	5.37	5.09	11.46	26.89	5.26				
17	1.36	1.43	2.46	6.13	5.25	11.12	24.93	5.00				
18	1.45	1.71	2.52	5.91	5.66	10.88	20.54	5.31				
19	1.50	2.06	3.42	5.49	4.92	10.51	14.86	4.04				
20	1.49	2.07	3.16	6.39	6.63	9.51	11.72	3.94				
21	1.45	2.16	3.05	14.34	7.11	8.24	11.04	4.85				
22	1.43	1.85	3.00	16.58	10.65	7.73	10.63	6.27				
23	1.38	1.78	4.63	16.33	12.71	7.87	10.24	6.86				
24	1.36	1.83	3.66	16.81	15.63	10.47	9.96	7.48				
25	1.39	1.93	6.39	16.13	19.18	10.84	9.92	9.22				
26	1.38	2.27	5.86	14.73	20.05	9.06	11.54	10.05				
27	1.40	2.57	5.25	10.69	19.82	7.84	11.85	6.30				
28	1.40	2.68	5.36	7.99	19.30	7.38	10.92	4.59				
29	1.39	2.91	4.35	6.95	---	7.12	9.40	5.80				
30	1.28	4.25	3.80	7.04	---	5.75	8.23	7.24				
31	1.30	---	6.40	7.09	---	5.38	---	6.82				
MEAN	1.42	1.83	4.35	10.09	8.90	13.30	13.56	6.13				
MAX	1.56	4.25	10.00	16.81	20.05	28.17	27.39	10.05				
MIN	1.28	1.36	2.07	4.33	4.92	5.38	5.43	3.94				

MOBILE RIVER BASIN

02387500 OOSTANAULA RIVER AT RESACA, GA.--Continued

WATER-QUALITY RECORDS

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

PERIOD OF DAILY RECORD.--

WATER TEMPERATURES: July 1967 to current year.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURES: Maximum recorded, 28.0°C several days in June and July 1969 and July 24, 25, 1972; minimum recorded, 1.0°C Jan. 9-14, 1970, Jan. 16, 17, 21-24, Feb. 1, 1977.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURES: Maximum recorded, 26.0°C July 18; minimum, 4.0°C Feb. 11.

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

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

02387500 OOSTANAULA RIVER AT RESACA, GA.—Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	15.0	14.5	16.5	16.0			---	---	24.5	23.0	---	---
2	14.5	14.5	17.0	16.0			---	---	24.0	24.0	---	---
3	15.0	14.0	17.0	16.5			---	---	24.0	23.5	---	---
4	15.5	15.5	17.0	16.5			---	---	24.0	23.5	---	---
5	15.5	15.5	17.0	16.5			---	---	25.0	24.0	---	---
6	15.5	15.0	17.5	17.0			---	---	24.5	24.0	24.0	23.5
7	15.0	14.0	19.5	17.5			---	---	24.5	24.0	25.0	24.0
8	15.0	14.5	19.5	18.5			---	---	25.0	24.5	24.5	23.5
9	15.0	14.5	19.5	18.5			---	---	24.5	24.0	24.0	23.0
10	14.5	13.0	20.5	19.5			20.5	20.5	24.5	23.0	24.0	22.5
11	15.0	13.5	20.0	19.5			20.5	20.5	24.5	23.5	23.5	22.0
12	16.0	15.0	19.5	19.5			22.5	20.5	24.0	23.0	23.0	22.5
13	16.0	16.0	19.5	19.5			22.5	21.0	24.0	23.0	23.5	23.0
14	16.0	15.5	20.0	19.5			23.5	22.0	23.5	23.0	23.5	23.0
15	16.5	15.5	20.0	19.0			24.5	23.5	---	---	23.0	22.0
16	17.0	16.0	19.5	18.5			24.0	22.0	---	---	22.5	21.5
17	16.5	16.0	18.5	18.0			25.0	23.5	---	---	22.0	21.5
18	16.0	15.5	18.5	18.0			26.0	24.5	---	---	21.5	21.0
19	16.0	14.5	19.5	18.5			25.5	23.0	---	---	22.0	21.0
20	15.0	14.5	20.5	19.5			24.5	23.5	---	---	21.5	21.5
21	15.5	14.5	21.5	20.0			23.0	22.5	---	---	22.0	21.5
22	15.5	15.0	21.5	20.5			22.5	22.5	---	---	22.0	21.5
23	15.5	15.5	20.5	19.5			23.0	22.5	---	---	21.5	20.5
24	15.5	15.5	20.0	19.5			23.5	23.0	---	---	20.5	20.0
25	16.0	15.5	19.5	17.5			23.5	23.0	---	---	20.5	19.5
26	16.5	15.5	17.5	16.0			23.0	23.0	---	---	21.0	20.5
27	16.5	16.0	16.0	16.0			23.0	22.5	---	---	21.0	20.0
28	16.0	15.5	17.5	16.0			23.0	22.5	---	---	20.0	20.0
29	16.0	15.5	18.0	17.5			23.0	23.0	---	---	20.5	20.0
30	16.5	15.5	19.0	17.5			24.5	23.0	---	---	21.0	20.5
31	---	---	20.0	19.0			24.5	23.0	---	---	---	---
MONTH	17.0	13.0	21.5	16.0			26.0	20.5	25.0	23.0	25.0	19.5

MOBILE RIVER BASIN

02387502 OOSTANAULA RIVER BELOW RESACA, GA.

LOCATION.--Lat 34°34'17", long 84°56'49", Gordon County, Hydrologic Unit 03150103, at bridge on Interstate Highway 75, 0.4 mi (0.6 km) west of Resaca, and 0.4 mi (0.6 km) upstream from Camp Creek.

DRAINAGE AREA.--1,610 mi² (4,170 km²), 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, Air Temperature, Water Temperature, pH, and Dissolved Oxygen by U.S. Geological Survey. Flow regulated by Carters Lake and Carters re-regulation reservoir. (See "Lakes and Reservoirs in Mobile River Basin", stations 02381400 and 02382400.)

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	PH (UNITS)	TEMPER- ATURE, AIR (DEG C)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
OCT						
24...	1000	375	7.1	17.0	17.0	7.6
NOV						
28...	1145	825	7.2	11.0	13.5	8.2
DEC						
12...	1100	2330	7.1	7.0	7.0	10.4
JAN						
23...	0940	11600	6.9	.0	4.0	12.7
FEB						
20...	1455	2810	7.4	9.5	4.5	11.2
MAR						
20...	0910	5190	7.1	15.0	11.0	10.4
APR						
19...	0815	10800	7.1	11.0	14.5	9.7
MAY						
22...	0930	2610	7.4	22.0	20.0	8.5
JUN						
28...	0835	1910	7.2	23.0	21.0	8.1
JUL						
24...	1000	9460	6.9	28.0	24.0	8.0
AUG						
29...	0955	3730	6.9	27.5	23.0	7.9
SEP						
25...	1000	1370	7.4	20.5	19.0	7.9

DATE	SPF- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	TUP- RID- ITY (JTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	HARD- NESS (MG/L AS CAC03)	ALKA- LINITY (MG/L AS CAC03)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT										
24...	156	3	1.8	140	56	54	.36	<.02	.64	5.0
NOV										
28...	91	8	.8	430	34	34	.30	<.02	.16	6.0
DEC										
12...	88	23	2.1	4300	38	28	.18	.03	.18	4.0
JAN										
23...	51	32	1.8	1200	--	16	.26	.03	.12	4.0
FEB										
20...	94	11	1.0	430	38	33	.27	.03	.06	<1.0
MAR										
20...	56	18	.8	<35	24	20	.23	<.02	.03	1.3
APR										
19...	59	16	1.4	2300	34	23	.10	.06	.06	4.0
MAY										
22...	97	52	2.3	2300	43	42	.27	.07	.20	<5.0
JUN										
28...	82	15	.6	430	40	31	.25	<.02	.12	1.0
JUL										
24...	61	32	1.3	430	36	24	.10	.03	.11	8.0
AUG										
29...	77	40	1.8	1500	34	28	.16	.04	.13	13
SEP										
25...	109	15	.8	230	46	47	.30	<.02	.09	1.0

02388000 WEST ARMUCHEE CREEK NEAR SUBLIGNA, GA.

LOCATION.--Lat 34°34'04", long 85°09'16", Chattooga County, Hydrologic Unit 03150103, on left bank 500 ft (152 m) downstream from bridge on county road, 1 mi (1.6 km) upstream from Ruff Creek, and 2 mi (3.2 km) east of Subligna.
DRAINAGE AREA.--34.5 mi² (89.4 km²).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--April 1939 to June 1940, May 1960 to current year. Monthly discharge only for some periods, published in WSP 1304.

GAGE.--Water-stage recorder. Altitude of gage is 750 ft (229 m), from topographic map.

REMARKS.--Records fair.

AVERAGE DISCHARGE.--19 years, 67.4 ft³/s (1.91 m³/s), 26.53 in/yr (674 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 9,670 ft³/s (274 m³/s) Mar. 4, 1966, gage height, 11.33 ft (3.453 m), from rating curve extended above 3,000 ft³/s (85.0 m³/s) on basis of contracted-opening measurement of peak flow;
minimum, 3.1 ft³/s (0.088 m³/s) Aug. 29, 1939.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Mar. 29, 1951, reached a stage of 12.1 ft (3.69 m), from floodmarks; discharge, 12,400 ft³/s (351 m³/s), as explained above.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 1,100 ft³/s (31.2 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)	Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
Feb. 24	1230	1360 38.5	6.77 2.063	Apr. 13	0215	3190 90.3	8.63 2.630
Feb. 25	1100	1500 42.5	7.07 2.155	Aug. 26	1900	5210 148	9.83 2.996
Mar. 4	0600	*6860 194	10.52 3.206	Sept. 28	1145	3090 87.5	8.64 2.633

Minimum daily discharge, 4.9 ft³/s (0.139 m³/s) Oct. 17.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.3	5.6	7.9	203	44	104	43	41	98	15	44	55
2	8.0	5.5	7.1	432	37	81	42	37	63	15	38	81
3	7.8	5.6	7.3	138	37	261	612	36	70	15	32	178
4	7.5	6.7	27	87	34	2910	383	36	54	14	29	161
5	7.2	6.5	20	68	30	403	226	34	44	14	26	90
6	7.0	6.0	12	58	30	224	149	31	41	14	23	68
7	6.8	6.7	9.9	195	85	164	111	29	38	14	22	56
8	6.5	6.9	8.8	197	86	135	93	28	34	16	20	45
9	6.3	6.3	222	108	73	99	127	26	30	19	19	39
10	6.2	6.1	51	81	59	96	95	25	27	18	19	35
11	6.0	5.8	28	66	52	104	82	24	26	27	23	32
12	5.8	5.8	21	57	46	86	596	24	24	24	29	29
13	5.7	6.0	18	52	41	77	2420	26	23	20	20	29
14	5.5	6.1	16	44	37	75	570	27	21	20	18	32
15	5.3	6.1	15	36	34	62	261	23	20	17	16	27
16	5.1	6.2	16	32	31	54	170	21	19	16	15	25
17	4.9	7.3	16	30	27	50	128	20	19	15	15	24
18	5.1	8.0	15	28	31	46	101	19	18	15	14	24
19	5.3	6.9	14	26	27	43	84	19	17	15	14	23
20	5.5	6.4	13	254	33	40	73	18	16	21	13	22
21	5.3	6.0	19	510	114	37	64	20	16	176	13	40
22	6.8	5.8	21	202	176	35	57	21	17	102	16	44
23	6.5	6.9	18	142	166	138	51	21	16	59	20	32
24	6.0	6.7	21	278	737	136	46	25	37	45	17	27
25	5.5	6.3	28	164	829	93	93	20	20	89	50	25
26	6.0	5.8	24	119	314	76	76	18	18	178	981	23
27	6.2	6.5	20	99	172	68	68	18	16	102	823	314
28	7.2	6.8	18	80	120	59	58	18	15	74	173	1690
29	6.8	9.7	16	65	---	54	51	19	15	80	114	358
30	6.5	11	28	57	---	49	45	26	15	55	83	179
31	5.8	---	151	53	---	44	---	252	---	60	67	---
TOTAL	194.4	194.0	909.0	3961	3502	5903	6975	1002	887	1364	2806	3807
MEAN	6.27	6.60	29.3	128	125	190	233	32.3	29.6	44.0	90.5	127
MAX	8.3	11	222	510	829	2910	2420	252	98	178	981	1690
MIN	4.9	5.5	7.1	26	27	35	42	18	15	14	13	22
CFSM	.18	.19	.85	3.71	3.62	5.51	6.75	.94	.86	1.28	2.62	3.68
IN.	.21	.21	.98	4.27	3.78	6.36	7.52	1.08	.96	1.47	3.03	4.10

CAL YR 1978	TOTAL	17740.3	MEAN	48.6	MAX	940	MIN	4.9	CFSM	1.41	IN	19.13
WTR YR 1979	TOTAL	31508.4	MEAN	86.3	MAX	2910	MIN	4.9	CFSM	2.50	IN	33.97

MOBILE RIVER BASIN

02388000 WEST ARMUCHEE CREEK NEAR SUBLIGNA, GA.--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--November 1977 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	TEMPER- ATURE (DEG C)	TUR- BID- ITY (NTU)	SEDI- MENT, SUS- PENDED (MG/L)	SEDI- MENT DIS- CHARGE, SUS- PENDED (T/DAY)
JAN 23...	1645	125	9.0	4.0	10	3.4
MAR 28...	1350	59	14.5	2.0	9	1.4
MAY 30...	1330	26	18.0	9.0	22	1.5
AUG 21...	1340	13	23.5	--	12	.42

MOBILE RIVER BASIN

339

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 (6.4 km) upstream from Little Armuchee Creek, and 9.5 mi (15.3 km) northwest of Rome.

DRAINAGE AREA.--14.3 mi² (37.0 km²).

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

GAGE.--Water-stage recorder. Altitude of gage is 650 ft (198 m), from topographic map.

REMARKS.--Records fair.

AVERAGE DISCHARGE.--11 years, 27.0 ft³/s (0.76 m³/s), 25.64 in/yr (651 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 10.03 ft (3.057 m) Mar. 4, 1979 (discharge not determined); minimum daily discharge, 1.2 ft³/s (0.034 m³/s) Aug. 31 to Sept. 6, 1977, Oct. 5-7, 11, 13-21, 1978.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 400 ft³/s (11.3 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)	Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
Feb. 24	1630	480 13.6	5.72 1.743	May 31	1430	596 16.9	6.17 1.881
Mar. 4	0515	not determined	*10.03 3.057	Aug. 25	0130	646 18.3	6.41 1.954
Apr. 3	1345	452 12.8	5.39 1.643	Sept. 28	1230	658 18.6	6.53 1.990
Apr. 13	1330	not determined	9.56 2.914				

Minimum daily discharge, 1.2 ft³/s (0.034 m³/s) Oct. 5-7, 11, 13-21.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.4	1.4	2.5	49	18	59	13	22	100	4.7	8.5	17
2	1.4	1.4	2.1	126	16	45	14	19	56	4.4	7.1	21
3	1.3	1.4	2.2	47	15	150	319	18	140	4.3	6.3	23
4	1.3	1.4	7.3	30	15	904	197	18	98	4.1	5.5	30
5	1.2	1.5	4.1	22	13	221	108	17	61	4.1	5.0	18
6	1.2	1.4	2.9	18	16	99	70	14	56	4.0	4.6	13
7	1.2	1.5	2.3	95	62	69	50	12	47	3.9	4.3	11
8	1.3	1.6	2.1	113	51	54	41	12	39	4.4	4.0	8.9
9	1.3	1.5	19	60	42	40	106	12	30	6.1	3.7	7.0
10	1.3	1.5	6.3	43	33	35	65	9.7	24	5.6	4.0	6.7
11	1.2	1.5	4.5	34	29	37	49	11	19	5.9	4.6	5.7
12	1.3	1.5	3.8	30	25	25	223	11	16	6.7	10	5.2
13	1.2	1.5	3.4	31	22	24	1000	10	13	5.2	4.6	5.8
14	1.2	1.5	3.3	24	20	22	360	10	11	4.6	4.1	8.0
15	1.2	1.5	3.2	19	18	18	129	8.2	9.4	4.7	3.7	5.2
16	1.2	1.5	4.0	17	16	16	82	7.3	8.8	4.5	3.8	4.6
17	1.2	1.8	4.1	16	14	14	60	7.6	7.9	4.1	3.5	5.1
18	1.2	2.0	3.7	15	16	13	46	6.3	7.0	3.8	3.4	9.0
19	1.2	1.7	3.5	14	15	12	36	6.4	6.5	7.6	3.2	8.0
20	1.2	1.7	3.3	94	18	12	30	6.1	6.1	16	3.2	5.8
21	1.2	1.5	5.1	175	64	12	24	7.0	7.0	9.7	3.1	35
22	1.3	1.6	4.6	81	82	11	20	9.1	6.8	16	3.0	32
23	1.3	1.9	3.9	60	80	63	17	10	5.8	12	3.1	19
24	1.3	1.9	13	134	330	58	16	15	5.6	8.7	56	14
25	1.3	1.7	15	76	333	40	26	9.7	5.4	19	189	11
26	1.4	1.7	8.9	57	147	31	109	8.2	5.6	20	35	9.6
27	1.3	2.1	6.7	46	81	26	58	7.3	5.4	12	111	107
28	1.3	2.1	5.6	35	65	21	41	8.8	5.2	9.5	40	507
29	1.4	4.1	4.9	28	---	18	32	8.5	5.2	8.0	25	165
30	1.4	3.3	10	24	---	16	26	9.4	5.3	11	28	82
31	1.4	---	27	22	---	14	---	268	---	15	26	---
TOTAL	39.6	52.7	192.3	1635	1656	2179	3367	598.6	813.0	249.6	616.3	1199.6
MEAN	1.28	1.76	6.20	52.7	59.1	70.3	112	19.3	27.1	8.05	19.9	40.0
MAX	1.4	4.1	27	175	333	904	1000	268	140	20	189	507
MIN	1.2	1.4	2.1	14	13	11	13	6.1	5.2	3.8	3.0	4.6
CFSM	.09	.12	.43	3.69	4.13	4.92	7.83	1.35	1.90	.56	1.39	2.80
IN.	.10	.14	.50	4.25	4.31	5.67	8.76	1.56	2.11	.65	1.60	3.12
CAL YR 1978	TOTAL	7421.9	MEAN 20.3	MAX 340	MIN 1.2	CFSM 1.42	IN 19.31					
WTR YR 1979	TOTAL	12598.7	MEAN 34.5	MAX 1000	MIN 1.2	CFSM 2.41	IN 32.77					

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 (1.9 km) upstream from Dry Creek, 4.5 mi (7.2 km) north of Rome, 4.5 mi (7.2 km) upstream from confluence with Etowah River, and 6.5 mi (10.5 km) downstream from Armuchee Creek.

DRAINAGE AREA.--2,120 mi² (5,490 km²), approximately.

PERIOD OF RECORD.--October 1939 to current year, in reports of Geological Survey. Gage-height records collected at site 4.2 mi (6.8 km) downstream since 1890 are contained in reports of National Weather Service.

GAGE.--Water-stage recorder. Datum of gage is 561.70 ft (171.206 m) National Geodetic Vertical Datum of 1929. Oct. 1, 1939, to Dec. 7, 1950, water-stage recorder at site 3.2 mi (5.1 km) downstream at same datum. Since Oct. 1, 1939, auxiliary water-stage recorder at Fifth Avenue Bridge, 4.2 mi (6.8 km) downstream. Nonrecording gage at site of auxiliary gage used as base gage for records published as Coosa River at Rome, Jan. 1, 1897, to Dec. 31, 1903.

REMARKS.--Records good. Flow regulated by Carters Lake and 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 Geological Survey.

AVERAGE DISCHARGE.--40 years, 3,639 ft³/s (103 m³/s), 23.31 in/yr (592 mm/yr), unadjusted.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 47,000 ft³/s (1,330 m³/s) Jan. 23, 1947; maximum gage height, 35.13 ft (10.708 m) Jan. 22, 1947; minimum daily discharge, 408 ft³/s (11.6 m³/s) Oct. 25, 1954.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known since at least 1834, 40.3 ft (12.28 m) in April 1886, at site of present auxiliary gage, from information by Georgia Department of Archives.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 31,400 ft³/s (889 m³/s) Mar. 7; maximum gage height, 35.47 ft (10.811 m) Mar. 5 (backwater from Etowah River); minimum daily discharge, 462 ft³/s (13.1 m³/s) Oct. 17.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	565	487	1820	6030	4560	15800	3150	5140	9000	1610	2960	2690
2	564	503	1190	10200	4560	12600	3350	4450	10100	1400	2670	2850
3	568	485	881	10700	3740	9380	6550	4180	11000	1720	2480	2850
4	568	493	843	10400	3260	19500	13500	4120	10900	1420	2540	3190
5	577	547	1090	9470	3040	29200	16200	4260	10200	1320	2300	3360
6	559	565	1840	6190	2820	30300	15100	4250	9130	1680	2320	3540
7	535	501	1800	4410	4410	31000	11700	4000	5920	1260	2110	2650
8	564	506	1540	8920	6170	29700	7620	3610	5440	1130	1930	1810
9	564	513	2110	10400	6300	27600	7180	3650	5320	1470	1910	1480
10	560	527	4100	9960	5930	24900	7730	2860	6680	2110	2090	1330
11	560	524	6150	8260	4880	20000	7760	2900	4990	2310	2340	1420
12	545	555	4650	5970	3880	13500	7280	3100	3340	2510	2110	1260
13	550	583	2330	5030	3650	9510	18800	3940	3010	2810	2890	1280
14	551	520	2080	3700	3210	8700	28000	3570	2740	2820	1910	1470
15	561	512	1800	2800	3270	8210	29100	3650	2450	1980	1700	1500
16	559	529	1750	2490	2960	7880	29500	3180	2300	1410	1580	1210
17	462	512	1380	3150	2860	7510	28100	3010	1970	1770	2250	1150
18	489	559	1000	3490	2980	7250	25600	2990	1950	1420	1480	1160
19	503	651	1080	3110	3040	6970	21400	3100	1460	1230	1060	1350
20	514	738	1330	4290	3350	6530	14900	2120	2280	2570	1210	1500
21	518	740	1450	10200	4850	5710	9600	2370	1890	5170	1100	2720
22	499	751	1220	12700	7100	5250	7750	3850	1470	8670	945	4800
23	488	664	1520	12500	10100	5430	7100	4350	1390	10200	961	4240
24	481	628	2300	13200	13900	7600	6740	4600	1610	10700	1930	2920
25	475	638	2870	13600	18900	8200	6370	5140	1750	10600	3000	1990
26	482	694	3730	12500	20500	7190	7960	6460	2400	7580	2510	1900
27	480	858	2820	10700	19200	5420	8640	5720	2100	4840	7950	2850
28	475	934	2680	7270	17300	4670	8430	3220	1850	5140	9430	13300
29	485	1080	2500	5040	---	4350	7300	2610	2130	4620	6760	17400
30	480	1320	1980	4410	---	3950	6110	3670	2060	4060	4050	13500
31	471	---	2680	4340	---	3620	---	5150	---	3480	3250	---
TOTAL	16252	19117	66514	235430	190720	387430	378520	119220	128830	111010	83726	104670
MEAN	524	637	2146	7595	6811	12500	12620	3846	4294	3581	2701	3489
MAX	577	1320	6150	13600	20500	31000	29500	6460	11000	10700	9430	17400
MIN	462	485	843	2490	2820	3620	3150	2120	1390	1130	945	1150

CAL YR 1978 TOTAL 1112543 MEAN 3048 MAX 19800 MIN 462 MEAN+ 3063 CFSM+ 1.44 IN+ 19.61
WTR YR 1979 TOTAL 1841439 MEAN 5045 MAX 31000 MIN 462 MEAN+ 5047 CFSM+ 2.38 IN+ 32.32

† ADJUSTED FOR CHANGE IN CONTENTS IN CARTERS LAKE AND CARTERS 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 water works, 1.2 mi (1.9 km) upstream from confluence with Etowah River.

DRAINAGE AREA.--2,150 mi² (5,570 km²), approximately.

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

REMARKS.--Flow regulated by Carters Lake and 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, Air Temperature, Water Temperature, pH, and Dissolved Oxygen by U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	PH (UNITS)	TEMPER- ATURE, AIR (DEG C)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
OCT						
26...	1315	435	7.3	24.5	19.0	5.8
NOV						
30...	0905	990	7.2	9.0	12.0	9.8
DEC						
19...	1015	650	7.5	12.5	7.0	10.2
JAN						
24...	1345	14700	7.0	-2.0	5.0	10.2
FEB						
21...	1640	5270	7.4	9.0	5.0	11.7
MAR						
22...	1000	5160	7.3	19.0	13.5	9.0
APR						
17...	0930	28300	6.8	18.0	16.5	8.5
MAY						
23...	1330	4900	--	25.0	20.0	--
JUN						
26...	1200	2690	7.4	25.5	21.0	7.9
JUL						
25...	1120	10800	6.8	24.5	22.5	8.5
AUG						
30...	0815	3840	7.2	25.0	23.5	8.2
SEP						
27...	1030	2130	7.3	19.0	20.5	6.8

DATE	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	TUR- BID- ITY (JTU)	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 CAC03)
OCT							
26...	168	7	35	1.7	280	90	66
NOV							
30...	131	10	38	--	15000	4300	44
DEC							
19...	133	9	10	1.6	4300	210	54
JAN							
24...	61	33	20	1.5	9300	4300	--
FEB							
21...	97	13	17	1.7	21000	4300	40
MAR							
22...	85	23	11	.9	4300	230	48
APR							
17...	48	44	12	1.2	4300	230	22
JUN							
26...	132	20	10	1.1	43000	1500	52
JUL							
25...	55	35	--	--	--	--	--
AUG							
30...	88	35	--	1.1	2300	2300	38
SEP							
27...	113	18	--	.7	23000	930	48

02388520 OOSTANAULA RIVER AT ROME, GA.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	ALKA- LITY (MG/L AS CAC03)	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)	NITRO- GEN+AM- MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 26...	65	11	.34	.03	.45	.44	5.0
NOV 30...	44	12	.34	.02	3.0	.24	6.0
DEC 19...	51	20	.30	.08	3.6	.26	5.0
JAN 24...	20	39	.35	.03	.26	.10	3.0
FEB 21...	35	20	.46	<.02	.70	.12	1.0
MAR 22...	33	38	.35	.08	.50	.09	1.3
APR 17...	19	21	.14	<.02	.06	.10	5.0
JUN 26...	40	47	.43	<.02	.20	--	2.0
JUL 25...	21	91	.12	.04	--	.07	<1.0
AUG 30...	33	61	.24	.02	--	.10	15
SEPT 27...	49	23	.46	.04	--	.15	<1.0

LOCATION.--Lat 34°15'24", long 85°10'18", Floyd County, Hydrologic Unit 03150103, at Fifth Avenue Bridge at Rome, and 0.3 mi (0.5 km) upstream from confluence with Etowah River.

DRAINAGE AREA.--2,150 mi² (5,570 km²), 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 (171.206 m) National Geodetic Vertical Datum of 1929.

REMARKS.--Flow regulated by Carters Lake and re-regulation dam since 1975. (See "Lakes and Reservoirs in Mobile River Basin," stations 02381400 and 02382400).

EXTREMES FOR PERIOD OF RECORD.--Since October 1939, maximum gage height, 34.5 ft (10.52 m) Jan. 22, 1947. From 1890 to September 1939, maximum gage height, 37.2 ft (11.34 m) Jan. 15, 1892.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum gage height since at least 1834, 40.3 ft (12.28 m) in April 1886, from information by Georgia Department of Archives.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 33.21 ft (10.122 m) Mar. 5.

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.73	4.30	6.37	7.70	11.01	7.71	12.30	5.29	7.05	6.34	7.97	5.41
2	5.15	5.98	6.39	6.58	10.64	7.78	9.67	5.91	6.95	4.69	8.15	5.51
3	3.86	4.96	7.73	8.67	11.12	11.88	8.85	6.82	6.75	4.56	8.82	3.57
4	3.83	6.21	7.94	13.70	12.17	12.19	9.68	7.68	4.85	5.17	7.43	3.54
5	4.50	7.29	7.58	21.16	11.75	10.92	9.63	8.02	4.81	4.70	6.73	3.87
6	4.37	6.53	7.03	20.42	8.55	10.22	9.31	7.62	6.84	5.70	5.06	4.65
7	4.17	4.19	9.52	17.97	9.32	9.72	9.00	6.13	6.37	5.87	4.84	4.44
8	4.19	4.14	12.23	17.16	11.35	10.10	9.85	5.77	4.81	5.18	6.18	5.57
9	4.06	5.96	12.73	17.77	11.65	11.15	9.75	7.21	6.15	4.30	6.11	5.26
10	3.90	5.97	11.71	18.82	11.08	11.14	9.02	8.23	5.39	4.18	6.00	3.50
11	3.87	5.91	9.87	23.54	10.67	9.73	8.58	7.94	4.77	5.48	5.98	3.42
12	3.87	5.95	8.18	23.92	10.15	7.45	8.04	7.54	4.71	5.47	5.95	3.93
13	4.00	5.70	5.81	21.34	9.39	7.03	7.97	9.48	5.72	5.30	4.90	4.46
14	4.02	3.81	8.75	20.33	10.86	7.46	7.79	16.45	5.65	5.21	4.80	4.36
15	3.99	3.82	9.02	19.38	11.47	7.43	8.14	18.48	5.66	5.48	4.84	5.35
16	4.05	5.56	9.89	18.74	10.47	7.35	6.47	17.33	5.61	4.07	4.78	4.83
17	4.15	5.62	11.08	16.77	10.13	7.46	6.18	17.03	5.56	4.00	4.86	3.49
18	4.41	5.61	11.74	14.42	10.52	7.57	7.34	16.49	4.62	5.17	5.25	3.52
19	4.53	5.67	8.07	13.38	10.76	6.88	7.23	13.30	4.61	6.16	5.48	5.14
20	4.46	5.55	8.06	13.08	10.64	6.67	7.05	11.18	6.89	6.07	3.89	4.79
21	4.37	3.77	10.49	12.63	8.68	7.38	7.00	9.70	10.14	4.97	3.83	4.52
22	4.41	3.73	11.80	12.81	9.17	10.07	7.24	7.84	8.63	5.91	4.90	4.55
23	4.42	5.31	10.38	13.20	8.84	12.43	7.24	10.99	6.84	3.98	4.94	4.25
24	4.34	5.53	8.94	13.01	8.53	12.50	8.43	11.07	5.97	3.94	4.89	3.39
25	5.09	5.57	7.33	12.61	8.46	10.05	8.06	11.08	4.76	4.74	4.95	3.33
26	5.92	4.89	5.81	12.16	8.29	8.11	6.70	9.67	4.83	4.65	4.89	4.48
27	6.11	6.49	5.77	11.88	7.28	8.13	6.27	8.60	6.37	5.14	3.84	4.30
28	6.81	4.06	7.45	10.35	7.44	9.93	6.05	5.44	6.46	6.15	3.93	4.54
29	6.71	4.06	7.39	10.13	8.01	11.50	5.90	5.24	6.43	8.06	5.59	5.75
30	5.50	6.26	7.31	10.40	---	12.91	5.40	6.58	6.54	8.41	5.57	4.04
31	4.32	---	7.60	9.77	---	13.13	---	6.56	---	8.23	5.49	---
MEAN	4.58	5.28	8.71	14.96	9.94	9.48	8.00	9.57	6.02	5.40	5.51	4.39
MAX	6.81	7.29	12.73	23.92	12.17	13.13	12.30	18.48	10.14	8.41	8.82	5.75
MIN	3.83	3.73	5.7									

MOBILE RIVER BASIN

02388530 OOSTANAULA RIVER AT 5TH AVENUE, AT ROME, GA.--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.40	5.85	6.99	13.61	8.81	6.06	18.33	17.36	19.59	5.69	6.28	5.56
2	4.22	5.94	6.94	14.20	9.90	6.04	16.08	14.01	19.75	5.58	6.50	4.02
3	4.51	6.25	5.25	12.66	11.43	7.09	14.74	11.73	18.75	7.47	5.85	3.89
4	4.36	7.39	5.26	12.32	11.66	7.29	12.31	11.61	15.07	7.49	5.32	4.12
5	4.30	5.06	7.13	12.36	9.60	8.01	11.35	11.15	12.41	5.55	4.55	5.25
6	4.52	4.50	7.29	13.08	10.73	8.53	10.84	10.03	15.07	7.47	4.48	5.29
7	5.01	6.12	7.44	11.06	10.79	8.27	13.27	7.93	18.70	7.55	5.46	5.34
8	4.14	6.15	7.74	15.25	11.12	8.13	20.11	14.08	18.29	5.38	6.19	5.34
9	3.69	6.95	7.61	19.18	11.41	10.54	18.36	20.77	17.60	5.51	5.48	4.39
10	4.17	7.40	5.38	17.46	13.24	12.92	17.72	17.97	15.25	7.03	5.59	4.38
11	4.16	6.83	6.49	14.43	11.28	11.75	15.49	17.42	13.87	7.42	4.46	4.68
12	4.10	4.96	9.12	12.20	8.80	15.25	12.57	15.37	13.90	6.94	4.42	4.47
13	4.21	4.61	9.54	11.02	9.23	16.71	11.49	11.77	13.81	6.85	4.77	4.60
14	3.95	7.39	9.87	7.89	9.57	15.33	10.97	9.67	13.19	6.62	7.00	7.56
15	3.38	8.05	14.34	7.42	10.70	13.41	9.89	10.70	11.47	5.06	6.54	10.85
16	3.34	7.87	20.04	8.88	11.06	14.94	7.48	10.36	10.87	6.03	6.61	9.00
17	3.81	7.29	16.98	8.75	10.32	22.63	10.17	10.13	8.14	7.53	6.24	5.98
18	3.83	7.05	15.13	7.97	7.79	22.71	10.20	9.98	7.47	7.54	6.17	6.86
19	3.99	6.31	15.51	9.53	7.44	19.75	10.46	9.71	9.73	7.90	5.40	7.14
20	4.50	5.27	12.57	10.19	8.66	19.42	10.48	16.28	10.90	7.53	5.21	6.94
21	4.81	7.99	12.67	8.69	8.51	20.67	9.80	15.45	10.49	6.91	6.09	6.12
22	3.97	8.63	16.96	11.32	8.31	21.02	6.51	14.30	10.78	5.10	5.42	6.64
23	3.80	7.92	17.19	12.83	8.17	20.08	6.65	11.82	9.96	4.94	5.31	4.66
24	4.24	6.76	15.81	13.63	7.72	16.00	10.34	11.94	6.59	6.92	5.23	4.51
25	4.45	7.40	13.26	12.14	5.97	11.79	17.64	12.88	6.21	7.63	5.17	5.62
26	4.41	5.07	12.28	11.41	5.78	10.33	18.22	12.67	7.75	8.83	4.26	5.53
27	4.34	5.69	10.83	11.59	6.24	11.64	20.99	11.13	7.65	8.85	4.12	5.42
28	4.42	7.14	10.31	9.09	6.12	11.14	20.11	19.27	8.04	7.37	5.57	5.41
29	4.39	6.91	9.96	8.79	---	10.68	17.83	21.73	7.97	5.32	5.82	5.53
30	4.43	6.84	9.56	9.72	---	10.52	17.09	19.96	7.74	5.11	5.62	5.40
31	5.23	---	12.15	10.61	---	14.37	---	19.30	---	6.73	5.60	---
MEAN	4.23	6.58	10.89	11.59	9.30	13.32	13.58	13.82	12.23	6.70	5.51	5.68
MAX	5.23	8.63	20.04	19.18	13.24	22.71	20.99	21.73	19.75	8.85	7.00	10.85
MIN	3.34	4.50	5.25	7.42	5.78	6.04	6.51	7.93	6.21	4.94	4.12	3.89
WTR YR 1973	MEAN 9.45		MAX 22.71	MIN 3.34								

02388530 OOSTANAULA RIVER AT 5TH AVENUE, AT ROME, GA.--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.74	5.80	14.15	22.05	14.03	11.14	9.37	8.03	8.22	4.27	5.18	4.29
2	10.37	5.80	13.51	21.26	13.03	10.51	11.15	5.74	6.20	5.73	5.30	4.47
3	8.96	5.73	10.64	19.33	15.97	7.57	12.67	6.03	7.97	5.88	5.24	4.36
4	8.37	4.22	8.05	19.57	15.87	7.60	18.45	8.51	9.50	5.97	4.27	4.86
5	8.02	4.26	8.91	19.70	17.29	8.84	26.30	6.06	8.39	4.54	4.64	4.85
6	6.91	5.82	10.50	19.30	16.91	8.78	24.96	5.85	7.73	5.02	6.27	4.75
7	5.19	5.87	10.01	20.23	16.12	8.61	21.26	6.98	7.49	4.86	6.69	4.79
8	5.01	5.86	8.68	20.98	17.27	8.50	19.71	6.91	7.43	4.81	5.28	4.38
9	5.59	5.89	7.65	19.74	17.43	8.01	20.46	7.89	5.72	6.15	7.11	4.21
10	5.98	5.87	6.39	18.74	14.48	6.36	17.48	7.83	5.54	6.81	7.37	5.52
11	5.97	4.16	7.18	18.42	12.60	6.44	14.69	7.83	6.95	6.50	6.35	6.09
12	5.91	4.17	8.52	19.46	11.25	7.38	13.45	5.98	6.96	5.97	4.78	6.22
13	5.87	5.61	8.75	16.92	10.38	7.38	15.46	6.36	6.76	5.71	5.95	6.12
14	4.40	5.67	8.65	16.29	10.13	7.34	16.20	7.92	6.68	4.24	5.30	6.12
15	4.37	5.67	8.32	17.63	13.32	7.18	15.19	7.64	6.59	4.16	4.75	4.27
16	4.99	5.79	5.37	17.40	17.10	6.91	17.25	7.49	4.85	4.68	5.31	4.19
17	6.08	5.73	5.45	16.68	18.66	5.85	14.94	7.25	4.78	4.62	5.56	5.69
18	6.42	4.26	6.73	16.71	17.02	6.00	13.54	7.16	5.96	4.74	4.34	5.67
19	6.11	4.29	6.65	15.27	16.42	6.32	11.64	5.29	5.90	5.28	4.49	4.51
20	5.54	6.06	7.04	12.29	16.49	6.45	10.67	5.16	5.99	4.82	5.04	4.43
21	4.20	6.44	7.77	10.70	14.48	7.04	8.31	6.94	6.28	3.80	4.93	4.73
22	4.11	8.21	8.27	12.72	16.06	7.73	7.30	6.57	6.29	3.83	3.89	4.70
23	5.63	7.87	6.65	11.94	17.81	8.11	9.43	6.62	5.96	4.38	5.30	3.95
24	5.77	8.10	5.99	11.86	14.68	7.16	9.05	8.05	4.51	4.34	5.60	4.47
25	5.72	5.36	6.43	12.12	13.61	6.49	8.41	8.75	5.56	4.36	4.05	4.41
26	5.76	5.10	6.83	12.61	13.42	7.05	8.19	6.50	5.56	4.51	4.08	4.47
27	5.77	6.57	13.04	14.24	12.01	7.48	7.71	7.85	5.50	4.93	5.75	4.49
28	3.96	11.11	14.16	14.13	11.42	7.34	6.11	9.79	5.45	5.18	5.67	4.38
29	4.00	14.42	13.12	17.07	---	9.58	5.98	11.31	5.45	5.00	5.86	4.04
30	5.66	14.44	12.92	16.91	---	11.86	7.33	9.65	4.36	5.94	5.58	4.04
31	6.11	---	14.81	15.93	---	11.88	---	8.80	---	5.36	5.59	---
MEAN	5.98	6.47	9.07	16.72	14.83	7.90	13.42	7.38	6.35	5.04	5.34	4.78
MAX	10.37	14.44	14.81	22.05	18.66	11.88	26.30	11.31	9.50	6.81	7.37	6.22
MIN	3.96	4.16	5.37	10.70	10.13	5.85	5.98	5.16	4.36	3.80	3.89	3.95

WTR YR 1974 MEAN 8.57 MAX 26.30 MIN 3.80

MOBILE RIVER BASIN

02388530 OOSTANAULA RIVER AT 5TH AVENUE, AT ROME, GA.--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.06	5.04	5.92	---	9.28	11.26	18.79	6.15	5.88	6.08	4.31	4.03
2	4.02	5.23	6.85	---	7.18	9.85	18.05	5.82	6.06	5.31	5.22	4.31
3	3.98	4.19	8.14	---	6.84	8.50	18.73	6.42	7.19	5.58	4.48	5.17
4	4.11	4.21	6.79	---	13.55	9.86	19.09	5.55	7.04	5.87	4.56	6.03
5	4.10	4.32	6.36	---	20.49	9.48	17.51	5.54	6.87	5.32	5.72	6.60
6	4.15	4.30	6.10	---	20.68	9.23	13.50	6.88	6.42	4.42	5.82	4.35
7	4.12	4.35	5.49	---	18.91	7.38	9.87	8.16	6.62	4.34	6.10	4.20
8	4.16	4.10	---	---	17.53	7.98	10.38	8.41	6.15	5.36	---	4.60
9	4.14	4.24	---	---	14.91	5.84	10.44	8.56	4.78	5.28	---	5.96
10	4.15	4.19	---	---	9.45	6.07	10.75	8.01	5.39	5.45	---	5.75
11	4.14	4.26	---	---	7.27	7.57	10.55	5.73	6.51	5.75	---	6.38
12	4.34	4.40	---	---	8.59	9.04	10.10	5.66	9.06	5.72	---	6.44
13	4.04	4.45	---	---	8.52	12.28	9.12	7.83	8.63	4.42	---	5.46
14	4.12	4.36	---	---	9.16	21.61	7.03	7.95	8.90	4.12	---	4.64
15	4.09	4.36	---	12.44	10.07	22.54	9.89	7.65	5.44	5.22	---	4.27
16	4.28	4.15	---	10.68	10.65	19.20	9.91	7.86	5.12	4.96	---	4.47
17	4.33	4.06	---	9.85	13.31	18.15	9.72	8.98	6.29	4.88	---	4.37
18	4.58	4.10	---	9.16	17.32	18.00	8.14	8.88	6.13	4.91	---	6.91
19	4.43	4.31	---	5.77	19.88	17.08	7.59	8.99	6.27	5.04	---	7.71
20	4.25	4.99	---	5.71	18.20	14.74	5.92	9.80	6.22	3.72	---	---
21	4.27	5.66	---	7.59	17.68	13.31	6.20	9.25	5.25	3.79	---	---
22	4.22	5.64	---	8.18	16.31	12.13	6.98	8.69	4.79	4.76	---	---
23	4.14	5.16	---	5.85	13.15	10.71	7.63	7.67	4.64	5.07	---	---
24	4.18	4.52	---	5.42	16.20	11.43	6.10	6.92	5.13	5.91	---	---
25	4.14	4.55	---	11.98	17.34	15.96	6.37	4.48	5.02	6.38	---	---
26	4.21	6.77	---	18.65	17.52	15.70	5.68	4.35	4.73	6.20	5.05	---
27	4.08	7.00	---	17.61	16.11	14.57	5.48	5.09	4.26	4.62	5.21	---
28	4.18	6.73	---	16.01	13.83	12.81	6.87	5.26	4.95	4.46	5.84	---
29	4.21	4.47	---	14.83	---	12.11	6.92	5.89	4.61	5.73	5.45	---
30	4.20	4.27	---	12.62	---	18.64	6.20	6.27	4.94	4.19	5.49	---
31	4.15	---	---	10.25	---	19.94	---	6.21	---	4.23	3.75	---
MEAN	4.18	4.75	---	---	13.93	13.00	9.98	7.06	5.94	5.07	---	---
MAX	4.58	7.00	---	---	20.68	22.54	19.09	9.80	8.90	6.38	---	---
MIN	3.98	4.06	---	---	6.84	5.84	5.48	4.35	4.26	3.72	---	---

MOBILE RIVER BASIN

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02388530 OOSTANAULA RIVER AT 5TH AVENUE, AT ROME, GA.--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.96	6.79	9.28	15.94	13.37	5.47	27.04	6.50	9.21	10.94	5.13	4.97
2	16.67	4.65	12.25	14.04	10.71	5.99	24.54	5.13	8.87	10.81	5.05	4.64
3	13.71	4.55	10.80	13.97	11.18	6.96	21.81	5.41	8.86	9.38	5.45	4.64
4	11.89	6.11	8.90	13.53	10.92	6.75	21.28	7.01	9.23	10.53	5.00	5.44
5	9.08	6.08	8.15	12.45	10.66	6.13	20.57	7.33	9.00	16.65	4.95	3.77
6	7.02	6.06	7.29	13.01	10.99	7.86	16.03	7.93	6.39	17.92	5.08	3.97
7	7.58	8.57	6.26	12.15	10.41	8.69	14.03	7.43	6.00	18.60	5.06	4.03
8	9.39	10.21	6.40	14.02	8.13	7.62	14.22	8.05	7.28	17.65	4.05	4.47
9	10.46	7.63	8.64	13.86	7.84	8.00	14.07	6.06	8.02	17.87	4.30	4.39
10	10.09	6.33	9.90	12.68	9.02	10.77	13.69	5.48	7.89	17.16	4.88	4.38
11	9.34	6.75	11.39	9.39	9.01	11.17	12.56	6.78	7.55	13.09	4.79	4.29
12	7.83	6.94	10.62	8.58	7.88	11.74	11.54	7.09	8.09	9.71	4.97	3.31
13	6.63	11.17	8.97	10.00	7.37	17.78	11.55	7.45	6.55	10.85	5.53	3.64
14	7.84	12.26	5.43	10.56	7.26	17.44	12.40	6.96	5.06	9.87	5.33	4.75
15	7.83	11.87	5.41	11.13	6.49	15.74	12.36	10.15	5.54	8.16	4.50	4.38
16	8.18	8.82	7.21	11.30	6.45	22.10	12.30	12.54	5.46	7.48	4.55	4.72
17	9.46	6.43	8.67	10.89	6.33	23.73	11.89	12.85	5.46	7.63	5.07	4.39
18	11.86	8.36	9.81	9.82	7.06	20.12	10.39	15.75	5.44	5.89	5.09	4.33
19	10.00	8.36	9.52	9.40	9.12	17.76	9.43	14.91	5.51	5.52	4.05	3.74
20	8.96	8.38	6.82	9.62	9.97	16.77	8.72	11.82	5.97	5.63	4.06	3.66
21	9.76	8.91	5.58	8.86	9.30	17.12	9.11	11.13	8.12	5.55	4.73	5.71
22	9.44	8.93	5.46	9.00	8.24	18.42	10.43	10.45	9.13	7.18	3.59	4.58
23	9.38	6.42	5.98	8.08	8.71	17.30	10.12	7.46	7.34	6.84	5.25	4.59
24	9.33	6.57	5.63	6.26	8.89	15.90	9.12	6.35	7.56	6.79	6.17	4.28
25	8.80	9.08	5.48	5.65	7.77	14.60	6.23	8.34	7.22	6.96	6.77	4.63
26	5.86	9.51	8.49	10.96	6.79	13.96	5.36	8.33	7.58	5.49	7.46	5.75
27	6.10	8.46	10.73	20.22	6.43	14.19	5.93	8.19	6.92	7.24	7.16	4.28
28	7.45	5.86	9.90	18.89	6.01	14.57	5.51	8.39	7.15	7.23	7.11	5.52
29	7.43	6.44	9.83	17.48	5.52	13.78	7.32	9.35	7.20	6.26	6.74	4.71
30	7.22	6.14	8.14	17.44	---	21.06	6.47	8.85	8.39	6.13	4.62	5.00
31	7.22	---	11.23	16.95	---	25.19	---	8.37	---	5.73	5.44	---
MFAN	9.09	7.75	8.33	12.13	8.55	14.02	12.53	8.64	7.27	9.77	5.22	4.50
MAX	16.67	12.26	12.25	20.22	13.37	25.19	27.04	15.75	9.23	18.60	7.46	5.75
MIN	5.86	4.55	5.41	5.65	5.52	5.47	5.36	5.13	5.06	5.49	3.59	3.31
WTR YR 1976	MFAN 9.00		MAX 27.04	MIN 3.31								

MOBILE RIVER BASIN

02388530 OOSTANAULA RIVER AT 5TH AVENUE, AT ROME, GA.--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.47	4.57	10.24	8.01	5.20	9.39	25.40	8.52	5.22	4.98	3.98	3.87
2	4.38	5.35	6.95	7.10	5.24	9.09	22.58	7.93	5.73	4.42	4.58	3.94
3	4.20	4.92	5.93	6.50	5.32	8.47	22.49	9.78	5.11	4.05	4.65	3.80
4	4.10	4.91	5.17	7.54	5.41	8.11	25.20	11.11	6.47	4.19	4.59	3.88
5	3.72	4.65	4.48	7.01	5.31	8.38	30.55	11.77	6.26	4.14	4.45	3.98
6	4.17	4.33	4.43	6.75	5.09	9.83	30.93	11.76	5.23	4.89	4.69	4.09
7	4.50	4.02	5.71	7.90	4.87	11.97	28.32	10.41	---	5.76	3.81	4.34
8	4.91	3.96	7.13	9.20	4.90	11.41	26.52	7.59	---	4.47	3.79	4.82
9	4.61	4.79	9.23	9.37	6.22	10.20	25.16	7.39	4.69	4.19	3.88	6.32
10	4.18	4.43	7.21	14.86	6.47	8.46	23.64	9.29	4.61	3.72	---	7.86
11	4.52	4.92	6.48	16.82	5.62	7.75	22.43	9.69	4.55	3.75	---	7.35
12	4.49	4.39	5.97	15.20	4.73	8.51	20.20	9.87	4.39	4.17	---	5.04
13	4.30	3.89	7.06	12.44	4.78	19.93	16.68	10.21	4.42	4.55	4.29	4.52
14	4.09	3.83	8.49	12.50	5.20	22.31	15.21	8.87	4.35	5.00	4.25	4.60
15	3.96	4.14	8.01	12.16	5.29	19.87	14.55	5.83	4.32	4.19	4.14	6.02
16	3.84	5.38	8.30	9.73	4.90	18.10	13.97	5.35	4.52	4.14	4.19	7.10
17	3.87	4.47	8.42	8.94	4.85	17.54	13.67	5.67	4.36	3.78	4.32	7.19
18	4.07	4.90	7.24	9.77	4.90	16.58	13.46	6.18	4.48	3.70	4.86	7.37
19	4.31	5.41	5.78	9.16	4.88	12.79	13.25	6.49	4.19	4.06	4.62	7.41
20	4.21	5.45	5.95	9.67	4.64	11.12	12.95	7.10	4.14	4.41	4.82	6.68
21	4.67	3.51	---	7.91	4.66	9.91	12.83	6.69	4.59	4.14	4.36	5.36
22	4.45	4.54	---	6.77	4.53	14.19	12.85	5.47	4.73	5.17	4.04	4.95
23	4.58	5.11	---	5.20	4.56	14.54	13.48	5.28	5.15	4.05	4.14	5.35
24	4.75	4.35	---	5.56	7.07	13.37	14.80	5.47	5.08	3.78	4.45	4.50
25	5.07	4.32	---	5.81	10.14	12.42	14.74	5.60	5.92	3.77	4.37	4.31
26	5.15	4.33	---	5.97	9.81	11.50	13.94	5.62	4.38	3.95	4.10	4.56
27	4.84	4.36	---	5.98	9.25	8.00	13.26	5.40	4.11	4.27	4.00	4.80
28	4.90	4.49	8.76	5.98	9.47	6.73	12.84	5.62	5.12	4.67	4.00	6.50
29	4.78	5.38	8.09	5.66	---	10.76	12.65	5.46	5.22	4.25	3.98	6.21
30	4.65	8.68	7.65	5.21	---	24.26	11.05	4.92	4.83	4.08	3.93	5.26
31	4.31	---	7.75	5.05	---	28.03	---	4.84	---	3.99	3.89	---
MEAN	4.42	4.73	---	8.57	5.83	13.02	18.32	7.46	---	4.28	---	5.40
MAX	5.15	8.68	---	16.82	10.14	28.03	30.93	11.77	---	5.76	---	7.86
MIN	3.72	3.51	---	5.05	4.53	6.73	11.05	4.84	---	3.70	---	3.80

02388530 OOSTANAULA RIVER AT 5TH AVENUE, AT ROME, GA.--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.22	6.74	11.40	7.00	16.38	---	6.52	6.18	5.91	5.19	4.14	5.61
2	5.38	7.11	10.65	6.69	14.32	---	5.11	9.52	5.60	3.79	4.23	4.59
3	7.11	7.06	9.85	7.45	13.89	---	5.06	9.80	5.76	3.68	4.18	2.58
4	8.20	7.70	6.62	7.86	11.81	---	6.17	8.29	4.83	4.55	4.23	2.50
5	7.10	16.52	6.84	7.34	7.62	---	6.39	8.07	4.88	4.52	4.55	3.24
6	5.51	22.10	10.43	7.38	7.33	---	5.61	8.18	5.52	4.48	4.28	3.22
7	5.35	21.87	10.09	8.14	10.01	---	5.29	6.68	5.36	4.51	5.15	3.18
8	5.50	19.24	10.83	9.16	10.55	---	5.25	8.36	5.93	4.54	5.60	3.73
9	9.18	17.18	10.47	18.01	10.15	---	5.14	17.98	7.64	3.60	6.76	4.64
10	11.21	17.52	7.66	18.11	10.13	---	5.07	17.77	8.52	3.53	7.38	3.26
11	9.12	16.42	6.25	17.08	7.17	---	5.62	15.39	6.25	4.22	6.32	3.19
12	8.47	13.34	6.30	16.86	6.04	---	5.73	15.48	5.36	4.29	6.03	4.05
13	7.23	12.37	7.70	15.46	6.40	---	6.03	12.30	6.90	4.20	4.54	4.08
14	6.38	12.10	7.73	12.91	7.49	---	6.01	9.26	7.58	4.18	4.30	4.18
15	6.00	11.89	7.83	10.84	7.79	---	5.86	9.09	7.13	4.36	6.23	4.16
16	4.76	11.85	7.86	10.61	7.42	---	4.90	9.29	6.08	4.11	5.59	4.16
17	4.75	12.43	5.77	11.57	7.13	---	4.72	9.64	5.67	4.54	5.65	3.32
18	5.56	13.89	5.74	13.33	6.60	---	5.89	9.51	4.41	5.12	5.21	3.25
19	5.19	13.17	7.04	13.79	5.16	---	9.65	9.88	4.34	4.40	5.58	4.32
20	5.03	11.37	7.85	16.62	5.54	---	10.00	9.26	5.59	4.75	3.60	4.17
21	5.03	9.26	7.34	16.73	6.56	---	8.92	5.84	5.90	4.49	3.46	4.58
22	5.01	10.79	7.11	13.61	6.55	---	7.20	5.03	5.75	4.36	5.54	4.15
23	4.34	11.87	6.87	12.08	6.53	---	5.49	6.78	5.26	3.32	5.50	3.89
24	4.61	12.56	6.70	12.83	6.93	---	5.62	7.53	5.16	3.27	5.54	3.06
25	7.29	12.48	8.84	17.43	6.59	---	6.87	7.81	4.00	4.19	6.28	3.07
26	13.10	---	10.95	22.82	5.04	---	7.59	7.45	3.98	5.09	6.05	3.86
27	13.26	---	12.06	22.64	---	---	7.93	7.70	5.33	4.77	3.22	3.86
28	12.25	---	10.69	21.76	---	---	8.18	5.51	4.85	4.50	3.22	3.00
29	9.59	10.25	10.40	21.61	---	---	6.75	5.29	5.80	4.91	4.74	2.87
30	5.95	11.26	9.51	21.04	---	7.44	5.67	6.32	5.68	3.46	5.66	3.71
31	5.94	---	8.89	19.50	---	6.85	---	6.29	---	3.41	5.67	---
MEAN	7.05	---	8.52	14.14	---	---	6.34	9.08	5.70	4.27	5.11	3.72
MAX	13.26	---	12.06	22.82	---	---	10.00	17.98	8.52	5.19	7.38	5.61
MIN	4.34	---	5.74	6.69	---	---	4.72	5.03	3.98	3.27	3.22	2.50

MOBILE RIVER BASIN

02388530 OOSTANAULA RIVER AT 5TH AVENUE, AT ROME, GA.--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.90	3.78	5.60	7.79	9.18	18.28	5.84	12.50	12.86	4.57	7.28	6.47
2	2.87	3.80	5.00	11.68	9.23	17.09	6.10	11.95	13.80	4.37	7.08	5.63
3	3.78	3.76	4.26	12.28	8.05	14.32	15.99	11.71	12.57	5.63	6.86	5.70
4	3.83	3.75	4.32	11.53	5.87	27.41	22.46	11.67	11.80	5.36	6.98	6.02
5	3.82	3.88	5.14	10.83	5.72	32.83	21.50	11.86	12.13	5.27	5.17	6.64
6	3.82	3.85	5.67	8.51	6.10	29.86	19.38	11.81	11.09	5.58	5.16	6.72
7	3.75	3.76	5.60	6.83	7.85	26.93	16.33	11.59	10.96	5.18	5.86	6.02
8	2.88	3.80	5.34	10.54	9.47	25.47	12.56	11.21	10.79	4.00	5.70	5.27
9	2.82	3.78	5.99	12.14	9.44	24.24	12.79	8.45	10.25	4.45	5.66	4.37
10	3.71	3.83	6.78	12.41	8.84	22.63	12.85	10.45	7.36	5.50	5.84	4.22
11	3.73	3.86	8.11	10.93	7.19	20.56	12.38	10.55	6.49	5.64	6.93	4.31
12	3.80	3.81	7.81	9.28	6.58	16.44	13.40	11.02	7.44	5.74	5.38	4.09
13	3.79	3.90	5.95	8.41	7.26	16.27	26.70	10.11	7.13	6.03	5.78	4.15
14	3.86	3.80	5.66	6.22	6.93	15.76	32.34	8.43	6.93	6.59	5.23	5.24
15	2.90	3.80	5.46	5.71	6.91	15.14	30.38	9.54	6.67	4.93	5.75	4.86
16	2.86	3.82	5.36	6.05	6.05	14.72	26.97	9.08	6.63	4.34	5.58	4.08
17	3.69	3.84	4.56	6.46	6.06	14.32	25.05	8.91	4.81	6.32	6.15	4.00
18	3.76	3.93	4.16	6.70	5.66	14.07	24.08	8.87	4.84	5.83	5.57	4.85
19	3.77	3.99	4.49	6.42	5.75	13.84	23.76	8.29	5.58	5.13	3.99	5.03
20	3.80	4.08	4.76	7.34	6.57	13.52	21.77	4.98	6.11	6.35	5.26	5.51
21	3.81	4.08	4.76	12.75	7.88	12.88	17.45	5.11	5.80	8.56	5.94	6.32
22	3.80	4.10	4.68	14.73	9.87	11.48	15.32	7.56	5.42	12.46	4.91	7.95
23	3.83	4.03	4.81	15.72	12.49	11.18	14.52	7.84	5.36	14.89	4.92	6.88
24	3.78	3.97	5.41	16.91	16.49	11.97	13.78	8.00	4.54	13.29	5.70	5.77
25	3.75	3.98	5.82	17.25	20.48	9.62	13.64	8.33	4.68	13.87	6.58	5.63
26	3.77	4.01	6.42	15.93	21.42	9.73	16.12	9.25	6.00	12.35	5.35	5.50
27	---	4.29	6.06	13.97	19.99	11.66	17.49	7.60	5.71	9.75	9.50	6.48
28	---	4.50	6.50	9.00	18.95	11.20	16.06	5.71	5.46	9.80	11.76	14.97
29	---	5.07	6.18	7.80	---	10.96	14.56	6.90	5.69	7.15	9.80	17.85
30	---	5.26	4.70	9.11	---	10.69	13.36	7.82	5.65	6.66	7.62	15.67
31	---	---	5.17	9.07	---	9.40	---	9.17	---	7.67	6.92	---
MEAN	---	4.00	5.50	10.33	9.72	16.60	17.83	9.23	7.69	7.20	6.33	6.54
MAX	---	5.26	8.11	17.25	21.42	32.83	32.34	12.50	13.80	14.89	11.76	17.85
MIN	---	3.75	4.16	5.71	5.66	9.40	5.84	4.98	4.54	4.00	3.99	4.00

02389000 ETOWAH RIVER NEAR DAWSONVILLE, GA.

LOCATION.--Lat 34°22'57", long 84°03'21", Dawson County, Hydrologic Unit 03150104, on left bank 0.4 mi (0.6 km) upstream from Palmer Creek, 0.5 mi (0.8 km) upstream from bridge on State Highway 53, 1.2 mi (1.9 km) downstream from Russell Creek, 4 mi (6.4 km) southeast of Dawsonville, and 7.5 mi (12.1 km) upstream from Shoal Creek.

DRAINAGE AREA.--103 mi² (267 km²).

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
JAN 19...	0815	180	18	6.4	7.0	12.0
AUG 15...	0745	--	24	6.3	18.5	8.4

DATE	COLOR (PLAT- INUM- CORALT UNITS)	TUR- BID- ITY (NTU)	HARD- NESS (MG/L AS CAC03)	NESS, NONCAR- BONATE (MG/L CAC03)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LITY (MG/L AS CAC03)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2)
JAN 19...	5	3.0	6	0	1.4	.6	1.5	.6	7	--
AUG 15...	5	10	5	0	1.1	.6	1.3	.6	7	6.8

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 SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	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,NH4 + ORG. SUSP. TOTAL (MG/L AS N)
JAN 19...	.8	1.1	.0	9.2	25	.10	.00	.00	.00	.00
AUG 15...	1.0	1.1	.0	9.2	28	.05	.00	.13	.13	.12

DATE	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)	ALUM- INUM, DIS- SOLVED (UG/L AS AL)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC DIS- SOLVED (UG/L AS AS)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	COPPER, DIS- SOLVED (UG/L AS CU)
JAN 19...	.00	.10	.00	.00	10	5	1	0	0	0
AUG 15...	.01	.18	.01	.00	20	1	0	0	10	2

DATE	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)	CARBON, ORGANIC TOTAL (MG/L AS C)
JAN 19...	80	0	0	20	<.5	<.5	0	0	1.1
AUG 15...	80	1	1	10	<.5	<.5	0	8	1.6

MOBILE RIVER BASIN

02392000 ETOWAH RIVER AT CANTON, GA.

LOCATION.--Lat 34°14'23", long 84°29'47", Cherokee County, Hydrologic Unit 03150104, on left bank 100 ft (30 m) downstream from bridge on State Highway 5 spur and 140 at Canton, 0.8 mi (1.3 km) upstream from Canton Creek, and 1.8 mi (2.9 km) downstream from Hickory Log Creek.

DRAINAGE AREA.--605 mi² (1,570 km²).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--March 1892 to December 1905 (prior to 1896, gage heights only), October 1936 to current year. Monthly discharge only for some periods, 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).

GAGE.--Water-stage recorder. Datum of gage is 844.55 ft (257.419 m) National Geodetic Vertical Datum of 1929. March 1892 to December 1905, nonrecording gage at site 100 ft (30 m) upstream at datum 2.0 ft (0.61 m) higher. Mar. 16, 1937, to Jan. 17, 1939, nonrecording gage at site 100 ft (30 m) upstream at present datum. Water-stage recorder at Allatoona Reservoir is used as an auxiliary gage for this station.

REMARKS.--Records good.

AVERAGE DISCHARGE.--52 years (1896-1905, 1936-79), 1,250 ft³/s (35.4 m³/s), 28.06 in/yr (713 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 32,300 ft³/s (915 m³/s) Jan. 7, 1946, gage height, 26.7 ft (8.14 m); minimum, 178 ft³/s (5.04 m³/s) Sept. 29, 30, 1954.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum discharge known, 36,700 ft³/s (1,040 m³/s) in January 1892, gage height, 25.0 ft (7.62 m), present datum, from National Weather Service.

Maximum stage known since at least 1892, that of Jan. 7, 1946.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 6,500 ft³/s (184 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)	Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
Jan. 21	1400	7410 210	13.60 4.145	Apr. 3	2400	12600 357	18.62 5.675
Feb. 25	0300	8010 227	14.31 4.362	Apr. 14	0500	*21600 612	23.57 7.184
Mar. 5	0800	15200 430	20.36 6.206				

Minimum daily discharge, 352 ft³/s (9.97 m³/s) Oct. 7.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	410	383	744	1720	1150	2260	1430	1940	3520	1070	934	1170
2	490	387	571	1980	1110	2050	1500	1720	2300	923	911	1070
3	423	387	521	2020	1080	1900	8950	1730	2000	875	870	896
4	405	384	937	1380	1060	8210	10400	2010	2030	847	857	1250
5	387	382	1950	1130	1030	14500	5230	2020	1700	824	819	986
6	364	380	1300	1000	1020	7340	3430	1910	1560	1040	778	815
7	352	378	881	1290	1400	4070	2780	1780	1580	937	755	748
8	356	400	717	4440	1420	3470	2450	1720	1680	945	730	692
9	358	410	1020	2680	1410	3010	3790	1730	1500	1090	712	652
10	360	396	1740	1780	1330	2760	3750	1680	1400	1320	696	623
11	362	395	1130	1440	1180	2720	2770	1620	1350	1300	749	601
12	360	391	863	1280	1150	2540	2690	1860	1280	1330	958	581
13	400	387	757	1300	1120	2300	12000	1720	1230	1410	843	586
14	544	378	681	1260	1100	2170	20200	1660	1160	1150	747	846
15	450	375	618	1140	1070	2140	10100	1540	1130	1030	726	881
16	400	390	601	1040	1060	1950	4750	1450	1110	938	691	696
17	387	410	676	998	1060	1860	4010	1400	1100	869	662	632
18	382	657	655	963	1090	1810	3060	1360	1080	833	647	761
19	378	672	592	929	1150	1790	2680	1310	1050	840	639	941
20	382	470	580	1430	1130	1750	2600	1350	1020	954	623	748
21	382	414	638	6400	1460	1740	2280	1440	1040	1560	603	720
22	374	392	713	3430	2020	1730	2040	1670	1060	1870	630	1200
23	373	424	627	2600	2580	1740	1920	1590	1020	2160	664	1140
24	378	542	605	2500	5310	1940	1840	1790	998	1720	682	891
25	382	497	753	2230	7290	1820	1890	1820	1040	1690	926	793
26	396	427	781	1790	5780	1650	2490	1550	1010	1700	1150	743
27	405	452	672	1580	3270	1550	2840	1410	961	1450	1230	829
28	400	701	613	1460	2710	1480	2230	1430	928	1270	1050	1710
29	390	766	576	1330	---	1450	1940	1430	912	1140	955	1790
30	387	821	583	1240	---	1430	1820	1770	956	1050	877	1450
31	382	---	1240	1190	---	1410	---	2060	---	978	898	---
TOTAL	12199	13848	25335	56950	53540	88540	129860	51470	40705	37113	25012	27441
MEAN	394	462	817	1837	1912	2856	4329	1660	1357	1197	807	915
MAX	544	821	1950	6400	7290	14500	20200	2060	3520	2160	1230	1790
MIN	352	375	521	929	1020	1410	1430	1310	912	824	603	581
CFSM	.65	.76	1.35	3.04	3.16	4.72	7.16	2.74	2.24	1.98	1.33	1.51
IN.	.75	.85	1.56	3.50	3.29	5.44	7.98	3.16	2.50	2.28	1.54	1.69

CAL YR 1978	TOTAL	441283	MEAN	1209	MAX	12000	MIN	352	CFSM	2.00	IN	27.13
WTR YR 1979	TOTAL	562013	MEAN	1540	MAX	20200	MIN	352	CFSM	2.55	IN	34.56

02392000 ETOWAH RIVER AT CANTON, GA.--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.92	1.80	2.63	4.58	3.44	5.66	4.00	6.92	8.20	3.25	2.93	3.42
2	2.04	1.81	2.27	5.11	3.35	5.24	4.14	6.40	5.78	2.96	2.88	3.22
3	1.89	1.81	2.16	5.19	3.30	4.94	14.86	5.94	5.18	2.86	2.80	2.87
4	1.85	1.80	3.01	3.90	3.27	13.86	16.67	5.72	5.25	2.80	2.77	3.59
5	1.81	1.80	5.05	3.40	3.20	19.89	10.69	5.35	4.60	2.76	2.70	3.06
6	1.76	1.79	3.73	3.15	3.19	13.15	7.96	4.95	4.32	3.19	2.62	2.72
7	1.73	1.79	2.90	3.71	3.93	9.04	6.70	4.71	4.36	2.98	2.56	2.59
8	1.74	1.84	2.57	9.54	3.98	8.05	6.05	4.58	4.55	2.99	2.51	2.48
9	1.74	1.86	3.18	6.49	3.96	7.17	8.39	4.60	4.20	3.28	2.47	2.40
10	1.75	1.83	4.62	4.70	3.80	6.66	8.46	4.50	4.00	3.75	2.44	2.34
11	1.75	1.83	3.39	4.03	3.50	6.58	6.68	4.39	3.90	3.70	2.55	2.30
12	1.75	1.82	2.87	3.69	3.44	6.22	6.52	4.86	3.75	3.75	2.97	2.25
13	1.84	1.81	2.65	3.75	3.37	5.73	17.47	4.57	3.65	3.91	2.73	2.27
14	2.16	1.79	2.50	3.66	3.33	5.48	22.96	4.45	3.47	3.40	2.53	2.80
15	1.95	1.79	2.37	3.43	3.28	5.43	16.09	4.21	3.39	3.15	2.49	2.87
16	1.84	1.82	2.34	3.23	3.26	5.03	12.87	4.04	3.35	2.97	2.43	2.50
17	1.81	1.86	2.49	3.14	3.26	4.85	12.80	3.94	3.34	2.83	2.36	2.38
18	1.80	2.44	2.45	3.07	3.31	4.76	12.68	3.86	3.30	2.76	2.33	2.64
19	1.79	2.48	2.32	3.00	3.44	4.71	12.27	3.77	3.23	2.76	2.33	3.00
20	1.80	2.04	2.29	4.00	3.40	4.64	11.81	3.84	3.17	2.99	2.29	2.62
21	1.80	1.92	2.41	12.34	4.07	4.62	11.32	4.03	3.20	4.21	2.25	2.57
22	1.78	1.87	2.57	8.00	5.18	4.59	10.82	4.48	3.24	4.82	2.31	3.54
23	1.78	1.94	2.39	6.35	6.30	4.63	10.32	4.33	3.17	5.40	2.39	3.41
24	1.79	2.20	2.34	6.15	10.70	5.03	9.83	4.72	3.12	4.51	2.42	2.91
25	1.80	2.11	2.65	5.60	13.45	4.78	9.35	4.79	3.20	4.45	2.91	2.73
26	1.83	1.95	2.70	4.72	11.45	4.45	9.50	4.23	3.14	4.48	3.37	2.63
27	1.85	2.00	2.48	4.30	7.65	4.25	9.51	3.97	3.04	3.96	3.54	2.80
28	1.84	2.54	2.36	4.05	6.35	4.11	8.69	3.99	2.98	3.61	3.16	4.56
29	1.82	2.67	2.28	3.80	---	4.04	8.00	4.01	2.94	3.36	2.98	4.71
30	1.81	2.78	2.30	3.63	---	4.00	7.46	4.67	3.02	3.17	2.82	4.04
31	1.80	---	3.62	3.53	---	3.97	---	5.24	---	3.03	2.88	---
MEAN	1.83	1.99	2.77	4.75	4.79	6.31	10.50	4.65	3.87	3.49	2.67	2.94
MAX	2.16	2.78	5.05	12.34	13.45	19.89	22.96	6.92	8.20	5.40	3.54	4.71
MIN	1.73	1.79	2.16	3.00	3.19	3.97	4.00	3.77	2.94	2.76	2.25	2.25

WTR YR 1979 MEAN 4.20 MAX 22.96 MIN 1.73

MOBILE RIVER BASIN

02392000 ETOWAH RIVER AT CANTON, GA.--Continued

WATER-QUALITY RECORDS

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

PERIOD OF DAILY RECORD.--

WATER TEMPERATURES: June 1971 to September 1976 (discontinued).

REMARKS.--Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Discharge, Air Temperature, Water Temperature, pH, and Dissolved Oxygen by 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 1978 TO SEPTEMBER 1979

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	PH (UNITS)	TEMPER- ATURE, AIR (DEG C)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)				
OCT 24...	0645	378	7.1	13.0	13.0	7.6				
JAN 25...	1520	2170	6.3	3.0	4.0	13.0				
APR 19...	1105	2680	7.0	23.0	14.5	10.2				
JUL 26...	0950	1700	6.7	26.5	21.0	9.4				

DATE	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	TUR- BID- ITY (JTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LINEITY (MG/L AS CAC03)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 24...	37	6	1.4	40	16	.06	<.02	<.02	2.0
JAN 25...	30	21	.5	90	10	.32	.04	.04	<1.0
APR 19...	30	21	.5	430	12	.10	<.02	.04	1.0
JUL 26...	27	60	.8	9300	12	.22	.05	.12	3.0

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 (1.3 km) downstream from Allatoona Dam, 2 mi (3.2 km) upstream from Nashville, Chattanooga, & St. Louis Railway bridge, and 3 mi (4.8 km) east of Cartersville.

DRAINAGE AREA.--1,110 mi² (2,870 km²), approximately.

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.

GAGE.--Water-stage recorder. Datum of gage is 686.92 ft (209.373 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to Dec. 19, 1938, nonrecording gage at same site and datum.

REMARKS.--Flow regulated by Allatoona Reservoir since December 1949. (See "Lakes and Reservoirs in Mobile River Basin," station 02393500.)

COOPERATION.--Nine discharge measurements furnished by Corps of Engineers.

AVERAGE DISCHARGE.--41 years, 1,912 ft³/s (54.1 m³/s), 23.39 in/yr (594 mm/yr), adjusted for storage since 1950.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 40,400 ft³/s (1,140 m³/s) Jan. 8, 1946, gage height, 20.8 ft (6.34 m), from rating curve extended above 26,000 ft³/s (736 m³/s); minimum daily, 152 ft³/s (4.30 m³/s) Oct. 15, 1966.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 9,470 ft³/s (268 m³/s) Feb. 2, gage height, 7.41 ft (2.259 m); minimum daily, 278 ft³/s (7.87 m³/s) Mar. 25.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	302	1330	2250	1340	4170	6010	282	8310	3830	328	2770	324
2	1170	1310	1380	1740	4200	6030	1730	8340	1460	2000	2790	323
3	1200	1330	1360	1240	311	2010	599	8320	321	2000	2960	324
4	1190	1360	2170	1240	301	403	887	8420	5610	2000	322	1350
5	1190	1370	2150	1230	1330	289	2830	8470	5150	2000	332	1340
6	1190	1350	2160	324	1350	288	4030	8510	5590	1990	1790	1330
7	311	1350	2130	335	1320	287	4400	8490	5450	314	1800	1340
8	314	1350	2150	1750	1320	285	4430	6050	5530	323	1790	320
9	1240	1370	1030	2750	2320	287	4420	6160	325	1140	1810	319
10	1220	1370	1020	2830	298	1480	4350	8590	323	1140	2910	322
11	1230	1370	1860	2790	297	1480	4360	8680	2560	1090	335	323
12	1240	1400	1880	2820	2050	5690	3790	8730	2550	1110	326	332
13	1240	1350	1870	320	2070	8360	380	2630	2560	1960	892	1840
14	332	1350	1860	321	2030	8340	313	5520	2570	304	2190	1130
15	330	1370	1870	1760	988	8420	312	5550	2580	305	2190	324
16	1170	1360	1010	1730	1500	8440	313	5550	333	3110	2190	322
17	1200	1360	1010	1740	298	8530	1560	5610	335	2720	2190	1530
18	1200	1380	1360	1740	295	8550	4270	5590	2010	1940	326	1560
19	1200	1380	1360	1730	1460	8610	7980	305	2000	1960	2260	2150
20	1220	1380	1370	322	1360	8610	8050	297	2020	1960	3600	1560
21	1230	1370	1380	619	1360	8700	8070	2170	2010	305	1990	1540
22	1250	1380	1380	4870	1320	6480	8100	2170	2010	305	2000	324
23	1240	1390	1030	4890	1330	5920	7790	2180	341	1530	1990	323
24	1250	1380	1040	4890	305	283	8120	2180	335	3050	1990	1570
25	1250	1370	1030	4880	1200	278	8120	2190	1580	4050	329	1560
26	1260	1360	1490	4890	1980	6670	8240	308	1570	4030	331	1570
27	1280	1460	2400	305	3690	6920	8170	310	1570	4040	2000	1090
28	1320	2260	2300	310	4550	6980	8240	2940	1570	306	1990	322
29	1300	2250	372	4100	---	6980	8270	2950	1570	304	1990	2360
30	1300	2240	331	4120	---	7070	8260	2950	327	2750	1980	321
31	1310	---	332	4140	---	442	---	2950	---	2750	1990	---
TOTAL	33679	43650	46335	68066	45003	149122	140666	151420	65990	53114	54353	29343
MEAN	1086	1455	1495	2196	1607	4810	4689	4885	2200	1713	1753	978
MAX	1320	2260	2400	4890	4550	8700	8270	8730	5610	4050	3600	2360
MIN	302	1310	331	305	295	278	282	297	321	304	322	319
MEAN†	435	704	1223	2838	3103	4493	7805	2955	2106	1789	1231	1465
CFSM†	0.39	0.63	1.10	2.56	2.80	4.05	7.03	2.66	1.90	1.61	1.11	1.32
IN†	0.45	0.70	1.27	2.95	2.92	4.67	7.84	3.07	2.12	1.86	1.28	1.47
CAL YR 1978 TOTAL	678531			1859	9010	302	1850		1.67	22.67		
WTR YR 1979 TOTAL	880741			2413	8730	278	2502		2.25	30.54		

† ADJUSTED FOR CHANGE IN CONTENTS IN ALLATOONA RESERVOIR.

MOBILE RIVER BASIN

02394000 ETOWAH RIVER AT ALLATOONA DAM, ABOVE CARTERSVILLE, GA.—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.—March 1968 to current year.

REMARKS.—Laboratory chemical analyses by the Laboratory Services Section, Environmental Protection Division, Georgia Department of Natural Resources. Field determination of Discharge, Air Temperature, Water Temperature, pH, and Dissolved Oxygen by U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	PH (UNITS)	TEMPER- ATURE, AIR (DEG C)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
OCT 26...	0930	4380	7.7	20.0	20.0	6.8
NOV 28...	1000	9150	6.7	10.0	15.0	9.0
DEC 19...	1330	287	7.2	13.0	11.0	10.4
JAN 25...	1320	8970	6.4	2.0	5.5	11.5
FEB 22...	1530	269	6.8	13.0	5.5	12.4
APR 19...	1000	8020	6.9	17.0	14.5	9.8
JUN 28...	1100	314	6.9	25.0	21.5	8.2
AUG 30...	1400	332	7.0	33.0	26.0	7.5

DATE	SPE- CIFIC CON- DUCT- ANCE (MICRO- MOS)	TUR- BID- ITY (JTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LITY (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)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 26...	44	8	.9	<30	18	10	.08	.04	<.02	300	120	2.0
NOV 28...	44	7	.1	40	17	1	.14	.04	<.02	200	80	3.0
DEC 19...	42	7	.6	<30	16	<1	.14	.04	.02	130	<50	<1.0
JAN 25...	40	8	.6	<30	15	3	.20	.13	.02	280	<50	<1.0
FEB 22...	38	17	.8	<30	13	7	.34	.04	.04	1800	110	<1.0
APR 19...	33	19	.9	70	12	2	.08	.04	.03	410	<50	2.0
JUN 28...	34	8	.2	40	17	3	.16	<.02	<.02	150	<50	<1.0
AUG 30...	39	3	.2	<30	15	3	.14	.02	<.02	200	190	8.0

02394980 ETOWAH RIVER NEAR EUHARLEE, GA.

LOCATION.--Lat 34°11'28", long 84°55'44", Bartow County, Hydrologic Unit 03150104, at Harden Bridge on county road, 1,000 ft (305 m) downstream from Ashpole Creek, and 3 mi (4.8 km) north of Euharlee.

DRAINAGE AREA.--1,600 mi² (4,100 km²), 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, Air Temperature, Water Temperature, pH, and Dissolved Oxygen by 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 1978 TO SEPTEMBER 1979

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	PH (UNITS)	TEMPER- ATURE, AIR (DEG C)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
OCT						
26...	1115	525	7.6	24.0	20.0	7.0
NOV						
30...	1230	2430	7.4	9.5	14.0	8.2
DEC						
19...	1215	638	7.5	16.0	11.0	10.4
JAN						
25...	1130	1660	7.0	.0	5.0	11.2
FEB						
22...	1330	1480	7.3	15.0	7.5	11.6
MAR						
22...	1115	2720	7.4	19.0	11.0	9.4
APR						
17...	0800	2260	7.4	11.5	15.0	9.1
MAY						
24...	0830	848	7.5	20.0	17.5	9.7
JUN						
26...	0930	698	7.4	24.0	20.0	9.3
JUL						
26...	0815	1880	7.1	24.0	22.0	8.2
AUG						
30...	1250	590	7.5	30.5	25.5	7.3
SEP						
27...	1230	618	7.4	19.0	21.0	8.0

DATE	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	TUR- BID- ITY (JTU)	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)
OCT						
26...	90	14	--	.9	40	34
NOV						
30...	89	13	--	--	230	36
DEC						
19...	75	11	--	.7	230	88
JAN						
25...	84	32	--	.9	2100	--
FEB						
22...	97	18	--	.9	930	--
MAR						
22...	70	25	--	.5	80	34
APR						
17...	96	64	--	.7	960	47
MAY						
24...	98	15	--	.7	150	40
JUN						
26...	142	12	--	.9	330	50
JUL						
26...	80	15	34	.6	1500	34
AUG						
30...	124	11	8	.8	90	53
SEP						
27...	115	16	5	.3	430	48

MOBILE RIVER BASIN

02394980 ETOWAH RIVER NEAR EUHARLEE, GA.—Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	ALKALINITY (MG/L AS CAC03)	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)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 26...	35	11	.20	.02	--	.08	2.0
NOV 30...	37	19	.24	<.02	--	.05	3.0
DEC 19...	33	<1	.22	.04	--	.04	<1.0
JAN 25...	32	32	.44	.05	--	.10	2.0
FEB 22...	34	20	.41	.02	--	.08	<1.0
MAR 22...	28	26	.35	.03	--	.05	<1.0
APR 17...	34	42	.36	.02	--	.08	3.0
MAY 24...	36	11	.20	<.02	--	.06	<1.0
JUN 26...	36	11	.32	<.02	--	.06	1.0
JUL 26...	31	17	.22	.05	.30	.06	<1.0
AUG 30...	44	7	.28	.04	.10	.07	4.0
SEP 27...	40	12	.34	<.02	.10	.07	2.0

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 (1.6 km) upstream from Two Run Creek, 1.5 mi (2.4 km) upstream from Connesena Creek, and 2.5 mi (4.0 km) southwest of Kingston.

DRAINAGE AREA.--1,630 mi² (4,220 km²), approximately.

PERIOD OF RECORD.--July 1928 to December 1931, October 1936 to current year. Monthly discharge only for some periods, published in WSP 1304, 1734.

REVISED RECORDS.--WSP 1304: 1929-30.

GAGE.--Water-stage recorder. Datum of gage is 609.97 ft (185.919 m) National Geodetic Vertical Datum of 1929 (Dixie Construction Co. bench mark). 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 (152 m) upstream at same datum.

REMARKS.--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 Geological Survey.

AVERAGE DISCHARGE.--46 years, 2,574 ft³/s (72.9 m³/s), 21.44 in/yr (545 mm/yr), unadjusted.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 42,700 ft³/s (1,210 m³/s) Apr. 9, 1938, gage height, 27.7 ft (8.44 m); minimum daily, 268 ft³/s (7.59 m³/s) Oct. 19, 1931.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known, about 31 ft (9.4 m) Dec. 11, 1919, from information by local resident, discharge, 52,000 ft³/s (1,470 m³/s).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 27,700 ft³/s (784 m³/s) Mar. 4, gage height, 22.30 ft (6.797 m); minimum daily, 529 ft³/s (15.0 m³/s) Oct. 8.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	543	1340	2380	783	4500	6140	1000	8760	5080	918	3050	1620
2	1020	1320	1910	2470	4480	6650	1870	8700	4510	1470	3070	692
3	1420	1340	1560	2100	2680	4300	12500	8680	1630	2400	3080	672
4	1400	1330	1700	1760	862	21100	11800	8700	5180	2410	1950	1350
5	1390	1430	2490	1700	1320	18300	7870	8800	6100	2380	752	1620
6	1400	1270	2490	1660	1810	4950	6480	8750	5670	2300	1500	1580
7	987	1350	2360	977	2770	2800	5930	8740	5580	1780	2090	1590
8	529	1380	2290	1700	2860	2400	5700	8090	5700	780	2050	1060
9	827	1380	2380	2940	3370	2060	6280	4900	2700	1140	2050	616
10	1390	1360	1690	3790	1610	2310	5830	8730	1060	1700	3070	621
11	1400	1450	1150	3210	1080	2880	5390	8770	2040	1660	1460	582
12	1390	1350	2190	3210	1690	4470	6580	9550	2850	1610	1120	560
13	1440	1400	2140	2230	2640	8750	19700	5210	2900	2380	1300	1250
14	1170	1400	2150	931	2600	8810	20300	5640	2900	1400	2000	1760
15	534	1380	2160	1560	2540	8790	6290	6060	2860	823	2430	1050
16	898	1410	2310	2190	1570	8750	3180	5980	1760	2140	2400	614
17	1330	1440	1340	2160	1380	8730	2640	5980	810	3290	2400	1120
18	1340	1480	1050	2130	941	8740	5230	5960	1860	2340	1310	1800
19	1340	1460	1690	2120	1030	8760	8750	2530	2310	2250	1540	2310
20	1320	1500	1650	1620	1930	8790	8910	1040	2270	2400	3180	1930
21	1380	1460	1620	3390	2270	8830	8730	2220	2320	1990	3040	1870
22	1360	1510	1660	4910	2730	7190	8670	2850	2430	7060	2190	1360
23	1390	1440	1640	5410	2930	6390	8560	2930	1350	4150	2180	750
24	1330	1490	1370	6350	4250	3110	8330	2880	870	3120	2160	1220
25	1340	1520	1440	6170	4880	1190	8620	2820	1540	4350	1180	1780
26	1290	1480	1390	5610	5300	4690	10200	1780	2040	4530	693	1750
27	1340	1680	2700	2800	4710	7120	11000	1020	2090	4470	1310	1970
28	1300	1880	2400	1150	5220	7190	9310	2320	2060	2590	2190	1660
29	1280	2330	1820	2860	---	7190	8950	3500	2020	880	2210	4260
30	1330	2430	735	4480	---	7240	8820	3540	1550	2020	2200	1410
31	1320	---	749	4520	---	3590	---	4030	---	3110	2160	---
TOTAL	37728	44990	56604	88891	75953	212210	243420	169460	84040	75841	63315	42427
MFAN	1217	1500	1826	2867	2713	6845	8114	5466	2801	2446	2042	1414
MAX	1440	2430	2700	6350	5300	21100	20300	9550	6100	7060	3180	4260
MIN	529	1270	735	783	862	1190	1000	1020	810	780	693	560

CAL YR 1978 TOTAL 872345 MEAN 2390 MAX 11200 MIN 529 MEAN+ 2381 CFSM+ 1.46 IN+ 19.82
WTR YR 1979 TOTAL 1194879 MEAN 3274 MAX 21100 MIN 529 MEAN+ 3363 CFSM+ 2.06 IN+ 27.96

+ ADJUSTED FOR CHANGE IN CONTENTS IN ALLATOONA RESERVOIR.

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 (3.2 km) upstream from confluence with Oostanaula River.

DRAINAGE AREA.--1,810 mi² (4,690 km²), approximately.

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 some periods, published in WSP 1304.

GAGE.--Water-stage recorder. Datum of gage is 561.70 ft (171.206 m) National Geodetic Vertical Datum of 1929. July 1 to Dec. 31, 1903, nonrecording gage at Second Avenue Bridge, 1 mi (1.6 km) downstream at different datum. Aug. 17, 1904, to June 30, 1921, nonrecording gage at Freemans Ferry, 5 mi (8.0 km) upstream at different datum. Since May 15, 1939, auxiliary water-stage recorder at Second Avenue Bridge, 1 mi (1.6 km) downstream.

REMARKS.--Records fair. Flow regulated by Allatoona Reservoir since 1949. (See "Lakes and Reservoirs in Mobile River Basin," station 02393500.)

AVERAGE DISCHARGE.--57 years (1904-20, 1938-79), 2,966 ft³/s (84.0 m³/s), 22.25 in/yr (565 mm/yr), unadjusted.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 55,000 ft³/s (1,560 m³/s) Dec. 11, 1919, gage height, over 28 ft (8.5 m), at former site at Freemans Ferry, computed from data at upstream stations; minimum daily, 360 ft³/s (10.2 m³/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 (11.43 m), discharge, 46,500 ft³/s (1,320 m³/s), from gage readings and discharge measurements by Corps of Engineers.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 36,000 ft³/s (1,020 m³/s) Mar. 4; maximum gage height, 36.13 ft (11.012 m) Mar. 5; minimum daily discharge, 780 ft³/s (22.1 m³/s) Sept. 12.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	795	1640	2370	917	4720	6920	1460	9290	5440	1150	3450	2550
2	795	1620	2190	2760	4740	7750	1700	9280	5730	1150	3420	1040
3	1640	1550	1720	2890	3740	5980	12300	9280	3250	2000	3420	1090
4	1640	1600	1830	2230	1250	26600	16400	9230	2950	2700	3520	1290
5	1640	1650	2650	1970	1340	30600	11000	9270	6650	2650	1060	2070
6	1670	1500	2620	1930	2080	12500	9530	9180	5880	2500	1050	1990
7	1650	1550	2510	1350	2890	6680	7330	9240	6170	2000	2420	1930
8	795	1520	2450	2570	3450	5760	6710	9200	6140	1100	2420	1900
9	795	1600	2680	3320	3460	4990	7150	7000	5150	1050	2420	879
10	1600	1620	1940	4210	2760	4780	6890	9200	1440	1800	2590	872
11	1650	1620	1630	3530	1570	5090	6310	9200	1300	1800	3320	873
12	1690	1540	2350	3440	1760	5110	7140	10000	3000	1750	1530	780
13	1650	1640	2310	2890	2970	9570	24000	8500	3050	1850	1260	829
14	1690	1590	2250	1280	2920	9610	31900	6000	3050	2300	1650	2360
15	795	1550	2290	1630	2870	9480	16300	6200	3050	1100	2770	1720
16	840	1600	2180	2420	1890	9340	7720	6200	1700	1000	2740	879
17	1550	1560	1450	2360	1970	9250	5400	6200	1050	3510	2740	838
18	1650	1620	1440	2330	1270	9240	5000	6200	1050	3180	2720	2120
19	1600	1600	1820	2320	1260	9200	10500	3500	2000	2510	932	2210
20	1600	1650	1820	2140	2320	9190	11000	1200	2500	2610	2820	2700
21	1570	1610	1690	4180	2540	9190	9840	1400	2500	3230	3860	2100
22	1590	1620	1820	4690	3190	7710	9420	2600	2500	5730	2550	1700
23	1610	1600	1780	6210	3810	6900	9280	2900	2000	6110	2550	1200
24	1520	1570	1530	7260	5800	5660	8850	3280	1050	3820	2520	1100
25	1570	1570	1640	7370	8210	1940	9150	3230	1000	4900	2560	2000
26	1600	1590	1600	6530	8280	3390	11100	3220	2300	5270	1020	2100
27	1600	1660	2010	5350	6560	7590	12400	1490	2400	4880	1340	2370
28	1550	1900	2880	1910	6590	7570	10400	1780	2300	4620	3020	3040
29	1560	2400	2490	2560	---	7610	9700	3860	2200	1440	2830	5060
30	1590	2600	939	4760	---	7660	9410	3790	1600	1320	2600	4910
31	1620	---	908	4740	---	5940	---	4050	---	3470	2530	---
TOTAL	45155	49940	61787	104047	96210	268800	304330	184970	90400	84500	75632	56500
MEAN	1457	1665	1993	3356	3436	8671	10140	5967	3013	2726	2440	1883
MAX	1690	2600	2880	7370	8280	30600	31900	10000	6650	6110	3860	5060
MIN	795	1500	908	917	1250	1940	1460	1200	1000	1000	932	780

CAL YR 1978 TOTAL 998065 MEAN 2734 MAX 14700 MIN 736 MEAN+ 2725 CFSM+ 1.51 IN+ 20.44
WTR YR 1979 TOTAL 1422271 MEAN 3897 MAX 31900 MIN 780 MEAN+ 3886 CFSM+ 2.15 IN+ 29.14

+ ADJUSTED FOR CHANGE IN CONTENTS IN ALLATOONA RESERVOIR.

MOBILE RIVER BASIN

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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, Air Temperature, Water Temperature, pH, and Dissolved Oxygen by U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	PH (UNITS)	TEMPER- ATURE, AIR (DEG C)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
OCT 25...	1415	1700	7.8	23.0	20.0	8.2
NOV 30...	1030	3450	7.3	10.0	13.5	8.8
DEC 19...	0920	3800	7.6	11.0	7.0	9.5
JAN 24...	1530	4310	7.1	-3.0	4.0	12.2
FEB 22...	0945	5100	7.5	11.0	7.0	11.8
MAR 22...	0815	9550	7.4	16.0	10.0	10.8
APR 17...	0900	11300	7.3	15.0	16.0	8.9
MAY 23...	1200	2570	6.5	28.0	19.0	10.0
JUN 26...	1100	2570	7.8	25.5	21.0	8.9
JUL 25...	1230	4230	6.7	25.0	24.0	7.0
AUG 30...	0930	3900	7.5	27.0	23.5	8.1
SEP 26...	1515	1400	7.7	24.5	22.0	7.6

DATE	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	TUR- BID- ITY (JTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	HARD- NESS (MG/L AS CAC03)	ALKA- LITY (MG/L AS CAC03)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDE (MG/L)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 25...	108	11	.8	430	44	43	14	.25	<.02	.06	<1.0
NOV 30...	71	22	--	61	34	27	31	.20	<.02	.07	<1.0
DEC 19...	88	20	.9	210	42	40	27	.24	<.02	.09	<1.0
JAN 24...	58	18	1.4	4300	--	21	20	.28	.05	.06	<1.0
FEB 22...	121	25	.9	2600	--	45	35	.52	.05	.08	1.0
MAR 22...	54	31	.5	110	30	21	29	.34	.06	.05	<1.0
APR 17...	95	170	.8	2300	56	39	42	.34	.02	.13	4.0
JUN 26...	170	--	.6	150	60	57	33	.40	<.02	.06	3.5
JUL 25...	75	30	--	--	--	26	30	.17	.03	.12	4.0
AUG 30...	111	33	.6	1600	52	42	43	.28	.02	.12	11
SEP 26...	102	44	.3	430	36	40	22	.26	<.02	.14	<1.0

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 (2.4 km) upstream from Webb Creek, 6 mi (9.7 km) southwest of Rome, 7.5 mi (12.1 km) downstream from confluence of Oostanaula and Etowah Rivers, and at mile 278.6 (448.3 km).

DRAINAGE AREA.--4,040 mi² (10,500 km²), 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. Monthly discharge only for some periods, published in WSP 1304. Water years 1959-62 (annual maximum only). Gage-height records collected at same site 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 (168,570 m) 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 (12.1 km) upstream at datum 8.65 ft (2.64 m) higher. June 21, 1928, to Dec. 31, 1931, and Mar. 10, 1937, to Dec. 31, 1958, water-stage recorder at site 200 ft (61 m) downstream at same datum. Water-stage recorder at Fifth Avenue in Rome used as auxiliary gage since 1963.

REMARKS.--Records good. Flow regulated by Allatoona Reservoir since December 1949 and by Carters Lake and Carters re-regulation Reservoir since November 1974. (See "Lakes and Reservoirs in Mobile River Basin," stations 02381400, 02382400, and 02393500.)

AVERAGE DISCHARGE.--48 years (1896-1903, 1928-31, 1937-58, 1962-79), 6,739 ft³/s (191 m³/s), 22.65 in/yr (575 mm/yr), unadjusted.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge 65,000 ft³/s (1,840 m³/s) Jan. 22, 1947, gage height, 37.0 ft (11.28 m); minimum daily, 870 ft³/s (24.6 m³/s) Oct. 18-22, 1931.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known since at least 1834, 40.3 ft (12.28 m) at site and datum at Rome, equivalent to about 43 ft (13.1 m) at present site, from gage-height relation, Apr. 1, 1886, discharge, 100,000 ft³/s (2,830 m³/s), from rating curve extended above 63,000 ft³/s (1,780 m³/s) on basis of peak flow at Gadsden, Ala.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 60,500 ft³/s (1,710 m³/s) Mar. 5, gage height, 35.00 ft (10.668 m); minimum daily, 1,120 ft³/s (31.7 m³/s) Oct. 9.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1190	1920	4100	6740	8450	24100	4530	13500	14000	2810	6030	4760
2	1160	1940	3390	11500	8530	22200	4620	12800	15700	2500	5750	3530
3	2000	1900	2460	12300	7240	18300	18100	12600	13800	4220	5470	3690
4	2050	1900	2480	11300	4450	39900	30000	12500	12700	3870	5620	4080
5	2040	2020	3500	10400	4220	59900	28900	12900	14500	3810	3210	4940
6	2020	2000	4150	7760	4790	51500	26000	12900	11600	4140	3200	5020
7	1950	1900	4130	5760	6950	41000	21200	12500	11200	3740	4220	4280
8	1180	1960	3750	9940	8770	34300	14000	11800	10900	2190	4010	3370
9	1120	1930	4580	12000	8720	33000	13900	8010	10300	2630	3930	2250
10	1930	1980	5580	12400	8180	30300	14000	10400	6150	3940	4090	2110
11	1940	1990	7270	10600	6220	29000	13500	10600	5160	4170	5500	2190
12	2000	1940	6970	8610	5390	21900	14600	11300	6410	4220	3470	1990
13	1990	2050	4610	7660	6290	21100	36500	10500	5990	4560	3850	2030
14	2050	1960	4180	4940	5900	19800	56900	7680	5730	5270	3370	3360
15	1190	1930	3940	4240	5870	18400	53500	9220	5430	3150	4090	2880
16	1140	1970	3820	4720	4750	17400	38300	8600	5390	2470	3860	2000
17	1850	1910	2850	5250	4810	16500	34900	8360	3070	5090	4470	1910
18	1920	2060	2380	5580	4210	15900	32500	8290	3090	4490	3870	2950
19	1920	2120	2740	5250	4330	15500	32100	7760	4170	3550	1940	3100
20	1960	2220	3070	6420	5410	14800	29300	3470	4690	4940	3450	3700
21	1960	2220	3050	13000	7040	13800	23700	3580	4490	7420	4350	4420
22	1970	2240	2980	16400	9290	11800	19900	6700	3950	12500	3050	6330
23	1980	2170	3090	18600	12900	11100	18100	6970	3800	17700	3050	4980
24	1940	2090	3870	21700	20000	12700	16300	7190	2740	14500	3860	3700
25	1910	2120	4340	19100	27400	8980	15800	7560	2890	14900	4970	3760
26	1920	2140	5120	15400	28800	9020	20100	8710	4590	13200	3290	3550
27	1920	2420	4660	16000	26900	11900	22800	6800	4290	9170	7890	4540
28	1920	2670	5230	8350	25300	11300	20200	4440	3900	9160	11500	16200
29	1920	3390	4890	6870	---	10900	17400	5890	4190	5710	8850	22200
30	1900	3620	2950	8390	---	10500	14900	6870	4180	5130	6190	19800
31	1910	---	3470	8350	---	9260	---	8620	---	6500	5310	---
TOTAL	55850	64680	123600	315530	281110	665060	706550	279020	209000	191650	145710	153620
MEAN	1802	2156	3987	10180	10040	21450	23550	9001	6967	6182	4700	5121
MAX	2050	3620	7270	21700	28800	58900	56900	13500	15700	17700	11500	22200
MTN	1120	1900	2380	4240	4210	8980	4530	3470	2740	2190	1940	1910

CAL YR 1978 TOTAL 2097250 MEAN 5746 MAX 30800 MIN 1120 MEAN+ 5752 CFSM+ 1.42 IN+ 19.28
WTR YR 1979 TOTAL 3191380 MEAN 8744 MAX 58900 MIN 1120 MEAN+ 8835 CFSM+ 2.19 IN+ 29.73

+ ADJUSTED FOR CHANGE IN CONTENTS IN CARTERS LAKE, CARTERS RE-REGULATION DAM, AND ALLATOONA RESERVOIR.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

WTR YR 1979 MEAN 15.03 MAX 34.60 MIN 11.27

MOBILE RIVER BASIN

02397000 COOSA RIVER NEAR 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, Air Temperature, Water Temperature, pH, and Dissolved Oxygen by U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	PH (UNITS)	TEMPER- ATURE, AIR (DEG C)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
OCT 25...	1300	2090	7.5	24.0	17.5	7.7
NOV 29...	1430	3880	7.3	8.0	13.5	8.6
DEC 19...	1140	3820	7.5	14.0	8.0	10.5
JAN 25...	1005	23200	7.0	-4.0	3.0	12.6
FEB 22...	1030	10000	7.3	10.0	6.5	11.4
MAR 21...	1350	13700	7.3	26.0	13.0	9.0
APR 17...	1600	34000	6.9	26.0	17.0	8.0
MAY 24...	0745	8750	7.6	19.0	18.5	8.6
JUN 26...	1250	5520	7.6	27.0	21.0	7.3
JUL 25...	1315	15800	6.7	25.5	24.0	7.5
AUG 29...	1400	8950	6.9	29.0	24.0	6.7
SEP 26...	1325	3980	7.2	26.5	22.0	7.2

DATE	SPF- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	TUR- BID- ITY (JTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	HARD- NESS (MG/L AS CAC03)	ALKA- LINITY (MG/L AS CAC03)	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 25...	124	12	1.3	1300	50	48	.27	<.02	.18	<1.0
NOV 29...	110	21	1.2	430	42	42	.34	.14	.24	3.0
DEC 19...	120	11	1.6	230	50	46	.44	.08	.20	2.0
JAN 25...	64	34	1.4	2300	--	22	.33	.05	.10	2.0
FEB 22...	106	25	2.2	4300	--	38	.49	.04	.12	4.0
MAR 21...	64	29	.9	4300	38	25	.30	.02	.07	2.0
APR 17...	56	64	1.0	4300	30	22	.16	.02	.11	5.0
MAY 24...	96	35	1.6	2300	44	39	.32	.04	.15	3.0
JUN 26...	185	18	.7	930	74	61	.44	.03	.14	7.3
JUL 25...	97	33	--	--	--	21	.19	.06	.14	2.0
AUG 29...	94	54	1.8	4300	52	38	.22	.04	.14	5.0
SEP 26...	99	20	.5	15000	36	39	.26	.04	.10	<1.0

02397500 CEDAR CREEK NEAR CEDARTOWN, GA.

LOCATION.--Lat 34°03'38", long 85°18'41", Polk County, Hydrologic Unit 03150105, at bridge on State Highway 161, 4.5 mi (7.2 km) upstream from Lake Creek, and 4.5 mi (7.2 km) northwest of Cedartown.

DRAINAGE AREA.--109 mi² (282 km²).

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, Air Temperature, Water Temperature, pH, and Dissolved Oxygen by U.S. Geological Survey. Water-discharge records for the water years 1943-73 are published in reports of the Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	PH (UNITS)	TEMPER- ATURE, AIR (DEG C)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
NOV						
09...	0845	31	7.4	9.0	13.0	4.2
29...	1320	45	7.5	7.0	12.0	4.0
DEC						
18...	1515	78	7.4	10.0	8.0	4.8
JAN						
25...	0900	380	6.8	-6.0	3.5	11.1
FEB						
22...	1200	330	7.3	15.0	10.0	9.4
MAR						
21...	1155	160	8.0	22.0	16.5	8.5
APR						
18...	0645	370	7.4	8.0	15.5	8.9
MAY						
23...	1030	110	7.0	24.0	20.0	8.0
JUN						
26...	1405	84	7.8	26.0	20.5	8.0
JUL						
25...	1020	125	7.1	22.0	21.5	5.1
AUG						
30...	1145	66	7.6	29.0	23.0	5.8
SEP						
27...	0830	86	7.5	17.5	18.5	3.2

DATE	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	TUR- BID- ITY (JTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, FC BROTH (MPN)	HARD- NESS (MG/L AS CACO3)	ALKA- LITY (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										
09...	387	5	.5	40	130	137	.48	<.02	.34	3.0
29...	311	5	.8	90	126	131	.68	<.02	.33	5.0
DEC										
18...	326	3	.4	<30	130	133	.32	<.02	.23	3.0
JAN										
25...	122	18	2.4	93000	--	47	.49	.05	.10	2.0
FEB										
22...	155	11	1.9	43000	--	61	.47	<.02	.08	<1.0
MAR										
21...	157	6	1.1	1500	96	89	.48	.06	.12	<1.0
APR										
18...	130	13	1.6	23000	50	49	.18	<.02	.04	9.0
JUN										
26...	480	8	1.7	750	112	115	.58	.11	.22	1.0
JUL										
25...	260	5	--	--	--	23	.20	.02	.08	2.0
AUG										
30...	263	5	2.4	4300	102	101	.22	.30	.32	8.0
SEP										
27...	320	10	1.1	4300	126	125	.48	.16	.26	<1.0

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 (10.5 km) southwest of Coosa, and at mile 254.8 (410.0 km).

DRAINAGE AREA.--4,360 mi² (11,300 km²), 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.

REMARKS.--Flow regulated by Allatoona Reservoir and by Carters Lake and 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 Air Temperature, Water Temperature, pH, and Dissolved Oxygen by U.S. Geological Survey.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 253 micromhos Sept. 15, 1977; minimum, 32 micromhos Apr. 15, 1979.

pH: Maximum, 9.7 units Dec. 5, 1977; minimum, 6.3 units Nov. 6-12, 1977.

WATER TEMPERATURE: Maximum, 34.0°C July 15, 1977; minimum, 2.5°C Jan. 18, 19, 1977.

DISSOLVED OXYGEN: Maximum, 14.4 mg/L Jan. 20, 1977; minimum, 1.4 mg/L July 8, 1977.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 219 micromhos June 21; minimum, 32 micromhos Apr. 15.

pH: Maximum, 7.6 units June 18, Aug. 6; minimum recorded, 6.4 units Jan. 25, 26, Mar. 16-20.

WATER TEMPERATURE: Maximum, 31.0°C Aug. 6, 9; minimum 4.0°C Jan. 25.

DISSOLVED OXYGEN: Maximum, 11.8 mg/L Feb. 4, 22; minimum, 3.7 mg/L Nov. 21.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	PH (UNITS)	TEMPER- ATURE, AIR (DEG C)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
OCT					
17...	1010	8.0	12.5	20.5	5.5
NOV					
13...	1115	7.3	16.0	19.0	6.4
DEC					
26...	1330	7.4	9.0	10.5	9.0
JAN					
16...	1030	7.2	5.0	7.5	10.6
FEB					
27...	0930	7.0	5.5	10.5	9.2
APR					
16...	1000	6.7	13.5	16.5	7.1
MAY					
16...	1245	7.4	22.0	21.0	7.6
JUN					
11...	0945	6.9	20.0	22.5	6.5
JUL					
09...	1000	7.5	20.5	26.0	5.2
AUG					
20...	1000	7.4	27.0	28.0	5.8
SEP					
24...	1030	7.2	20.0	23.0	5.5

02397530 COOSA RIVER NEAR COOSA, GA.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	SPECIFIC CONDUCTANCE (MICRO- MHOS)	TURBIDITY (JTU)	OXYGEN DEMAND, CHEMICAL (LOW LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	COLIFORM, FECAL, EC BROTH (MPN)	HARDNESS (MG/L AS CAC03)	ALKALINITY (MG/L AS CAC03)
OCT 17...	163	6	18	1.5	90	50	70
NOV 13...	141	12	12	.8	<30	56	49
DEC 26...	131	24	9	3.0	15000	52	50
JAN 16...	112	9	15	1.1	3300	--	42
FEB 27...	66	60	22	2.0	4300	26	22
APR 16...	50	100	--	1.5	930	20	18
MAY 16...	77	14	15	.9	90	34	31
JUN 11...	97	14	13	1.7	260	32	35
JUL 09...	127	14	8	.7	230	66	50
AUG 20...	132	16	17	1.6	930	48	47
SEP 24...	119	15	12	.9	430	36	42

DATE	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)	NITROGEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 17...	9	203	.29	.20	<.10	.20	4.0
NOV 13...	1	150	.28	.09	.30	.17	5.0
DEC 26...	22	132	.30	.08	.40	.26	6.0
JAN 16...	5	104	<.02	.07	.20	.12	3.0
FEB 27...	97	160	.30	.04	.50	.19	6.0
APR 16...	46	116	--	--	--	--	--
MAY 16...	22	72	.27	<.02	.60	.09	<5.0
JUN 11...	20	96	.27	.04	.20	.09	4.5
JUL 09...	15	148	.31	<.02	.10	.10	12
AUG 20...	13	96	.29	.05	.20	.10	1.0
SEP 24...	6	104	.28	.07	.38	.14	8.0

02397530 COOSA RIVER NEAR COOSA, GA.--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	197	180	165	153	158	128	126	115	100	87	67	50
2	197	180	177	162	133	120	130	114	98	86	74	54
3	192	178	185	161	129	116	125	96	90	68	76	63
4	205	187	189	172	122	112	108	84	93	80	71	65
5	205	198	175	164	135	121	88	65	122	84	---	---
6	197	175	172	162	166	135	88	68	134	118	---	---
7	189	179	170	157	137	122	101	88	149	131	---	---
8	190	144	169	157	136	121	115	99	129	110	---	---
9	165	148	172	151	140	120	124	104	123	111	---	---
10	163	146	172	156	149	120	114	87	127	109	---	---
11	179	152	167	153	134	117	94	75	118	100	---	---
12	183	157	157	147	150	105	94	86	118	105	---	---
13	186	179	147	135	112	97	100	92	128	107	---	---
14	212	179	158	140	117	99	107	92	134	108	---	---
15	201	160	159	143	135	110	128	107	115	103	74	54
16	176	161	170	153	132	112	133	125	126	105	80	60
17	178	162	168	153	121	112	147	130	137	124	79	54
18	201	163	184	151	139	117	128	121	150	126	74	52
19	197	184	165	152	133	124	125	114	158	141	72	52
20	195	190	167	146	123	112	122	113	154	136	72	54
21	208	191	182	147	136	115	121	95	144	131	74	57
22	198	166	181	156	167	132	105	83	130	103	80	69
23	168	161	184	152	172	129	90	58	117	89	91	78
24	178	167	172	146	156	129	82	59	94	77	118	85
25	183	175	162	130	153	127	89	70	78	56	136	98
26	184	173	159	131	147	110	86	60	74	69	150	107
27	182	171	173	149	142	110	73	58	72	52	134	75
28	173	163	169	145	121	112	92	63	72	50	89	70
29	164	154	160	136	127	106	97	89	---	---	89	68
30	160	150	165	143	122	110	129	97	---	---	87	73
31	159	152	---	---	122	114	117	82	---	---	88	73
MONTH	212	144	189	130	172	97	147	58	158	50	150	50
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	87	74	67	57	104	77	168	127	127	109	129	107
2	116	82	68	61	86	69	165	119	116	82	135	119
3	150	80	71	64	72	64	150	116	117	82	134	125
4	77	60	73	67	90	72	154	120	124	81	140	129
5	83	63	76	66	99	72	163	125	118	93	151	135
6	93	65	74	63	95	73	164	110	121	90	148	146
7	93	70	74	60	90	75	159	115	102	91	155	136
8	99	78	68	64	80	70	154	113	110	105	137	128
9	106	88	70	65	82	67	147	120	134	110	129	127
10	116	79	88	68	84	66	155	114	112	108	132	123
11	92	77	82	63	101	80	130	111	113	107	140	131
12	91	81	73	65	120	99	132	108	114	105	165	141
13	85	42	79	72	143	117	121	83	116	105	167	160
14	49	33	89	77	148	107	115	92	118	113	168	159
15	44	32	105	82	148	119	128	94	137	118	174	165
16	54	43	91	78	171	128	124	91	145	137	176	163
17	63	50	102	87	164	121	142	102	152	132	183	175
18	67	56	117	87	157	121	145	117	140	127	174	145
19	84	64	117	89	166	136	170	105	134	128	170	158
20	86	62	121	95	192	156	139	112	136	123	193	158
21	---	---	112	86	219	148	146	121	140	113	183	135
22	---	---	156	110	163	124	131	104	168	136	155	128
23	---	---	169	124	163	118	112	68	134	117	148	106
24	---	---	130	107	144	130	87	74	144	104	119	108
25	---	---	154	130	162	130	90	78	149	118	146	121
26	---	---	155	108	160	130	90	75	147	121	147	140
27	---	---	150	120	173	122	93	83	146	102	166	140
28	---	---	129	94	168	123	104	87	125	82	146	92
29	---	---	118	101	142	111	108	81	106	93	87	71
30	70	59	147	95	148	104	106	91	111	96	92	77
31	---	---	109	92	---	---	118	92	118	98	---	---
MONTH	150	32	169	57	219	64	170	68	168	81	193	71
YEAR	219	32										

PH (STANDARD UNITS), WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DAY	MAX		MIN		MAX		MIN		MAX		MIN		MAX		MIN	
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH					
1	6.9	6.8	6.7	6.7	6.9	6.8	7.0	7.0	6.9	6.8	6.8	6.7				
2	7.0	6.9	6.8	6.7	6.8	6.8	7.0	6.7	6.8	6.7	6.9	6.5				
3	6.9	6.8	6.8	6.7	6.9	6.8	6.8	6.7	6.8	6.7	6.8	6.7				
4	6.9	6.8	6.7	6.7	6.9	6.8	6.7	6.6	6.9	6.8	---	---				
5	7.0	6.9	6.7	6.7	6.9	6.8	6.6	6.5	6.8	6.8	---	---				
6	7.0	6.9	6.8	6.7	6.9	6.9	6.7	6.6	6.9	6.8	---	---				
7	7.1	6.9	6.7	6.7	6.9	6.9	6.9	6.7	7.0	6.9	---	---				
8	7.0	6.9	6.7	6.7	6.9	6.9	6.8	6.7	6.9	6.9	---	---				
9	6.9	6.9	6.7	6.7	7.0	7.0	6.8	6.7	6.9	6.8	---	---				
10	6.9	6.8	6.7	6.6	7.0	6.9	6.8	6.7	6.9	6.8	---	---				
11	6.9	6.8	6.7	6.6	6.9	6.8	6.7	6.6	6.9	6.8	---	---				
12	6.9	6.8	6.7	6.6	6.8	6.7	6.7	6.6	6.9	6.8	---	---				
13	6.9	6.8	6.7	6.6	6.8	6.7	6.7	6.7	7.0	6.9	---	---				
14	7.0	6.8	6.7	6.7	6.9	6.6	6.7	6.7	7.2	7.0	---	---				
15	7.0	6.8	6.7	6.7	6.9	6.7	6.8	6.6	7.4	7.1	6.7	6.5				
16	6.9	6.8	6.7	6.7	6.9	6.8	6.8	6.6	7.4	7.1	6.7	6.4				
17	6.9	6.8	6.7	6.7	6.9	6.8	7.1	6.9	7.1	7.0	6.9	6.4				
18	6.9	6.8	6.7	6.6	6.9	6.8	7.1	7.0	7.1	7.0	6.9	6.4				
19	6.8	6.8	6.7	6.6	6.9	6.8	7.0	6.9	7.1	7.1	6.9	6.4				
20	6.8	6.8	6.7	6.6	7.0	6.9	6.9	6.9	7.1	7.1	6.9	6.4				
21	6.9	6.8	6.7	6.6	7.0	7.0	6.9	6.7	7.3	7.2	6.7	6.5				
22	6.9	6.8	6.7	6.6	7.0	6.9	6.7	6.6	7.2	7.1	6.8	6.7				
23	6.8	6.7	6.8	6.7	7.0	6.9	6.6	6.5	7.4	7.2	6.9	6.6				
24	6.8	6.6	6.8	6.7	7.0	6.9	6.5	6.5	7.4	7.1	6.9	6.6				
25	6.8	6.7	6.7	6.7	7.0	6.9	6.5	6.4	7.1	6.7	6.7	6.6				
26	6.8	6.7	6.8	6.7	6.9	6.8	6.6	6.4	6.7	6.6	6.9	6.6				
27	6.8	6.7	6.7	6.7	7.0	6.9	6.7	6.6	6.9	6.6	7.1	6.7				
28	6.8	6.7	6.7	6.7	7.0	6.9	6.6	6.6	6.9	6.7	7.1	6.8				
29	6.8	6.7	6.8	6.7	7.0	7.0	6.8	6.6	---	---	7.0	6.8				
30	6.8	6.7	6.9	6.7	7.0	7.0	7.0	6.7	---	---	7.2	6.8				
31	6.7	6.7	---	---	7.0	7.0	7.0	6.8	---	---	7.2	6.9				
MONTH	7.1	6.6	6.9	6.6	7.0	6.6	7.1	6.4	7.4	6.6	7.2	6.4				
DAY	MAX		MIN		MAX		MIN		MAX		MIN		MAX		MIN	
APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER						
1	7.1	6.9	7.1	7.1	7.1	7.0	7.1	6.9	7.2	7.0	6.9	6.8				
2	7.1	6.9	7.1	7.1	7.0	6.8	7.1	7.0	7.1	7.0	6.9	6.9				
3	7.0	6.8	7.1	7.1	6.9	6.8	7.1	6.9	7.1	6.9	6.9	6.9				
4	6.8	6.5	7.1	7.1	6.9	6.8	7.0	6.8	7.1	6.9	7.0	6.9				
5	6.7	6.5	7.1	7.0	7.0	6.9	7.1	6.9	7.4	7.0	7.0	6.9				
6	6.8	6.6	7.1	7.0	7.0	6.9	7.0	6.8	7.6	7.0	7.0	7.0				
7	6.9	6.6	7.1	7.0	7.0	6.9	6.9	6.9	7.1	6.9	7.0	7.0				
8	6.9	6.8	7.1	7.0	7.0	6.9	6.9	6.9	7.3	7.0	7.0	6.9				
9	7.0	6.9	7.1	7.0	7.0	6.9	6.9	6.9	7.3	7.1	7.1	6.9				
10	7.1	7.0	7.2	7.0	7.0	6.9	6.9	6.9	7.1	7.0	7.2	6.9				
11	7.2	7.1	7.1	7.0	7.0	6.9	7.0	6.8	7.0	7.0	7.2	6.9				
12	7.2	7.2	7.0	7.0	7.1	7.0	7.1	7.0	7.1	7.0	6.9	6.9				
13	7.2	6.8	7.0	7.0	7.3	7.1	7.1	6.9	7.1	6.9	7.0	6.9				
14	6.8	6.6	7.0	6.9	7.2	7.0	7.0	6.9	7.0	6.8	7.0	7.0				
15	6.8	6.6	7.1	7.0	7.2	7.0	7.3	6.9	7.0	6.9	7.1	7.0				
16	6.8	6.7	7.1	7.0	7.2	7.0	7.5	7.0	7.1	6.9	7.1	7.0				
17	6.7	6.7	7.2	7.0	7.2	7.1	7.2	6.8	7.1	6.9	7.1	7.0				
18	6.9	6.7	7.2	7.0	7.6	7.0	7.1	6.9	7.0	6.9	7.1	6.9				
19	6.9	6.9	7.2	7.0	7.4	7.0	7.2	7.0	7.2	6.9	7.0	6.9				
20	6.9	6.9	7.5	7.1	7.1	7.0	7.0	6.8	7.3	7.0	7.1	7.0				
21	---	---	7.4	7.1	7.2	7.0	6.9	6.8	7.0	6.9	7.1	6.9				
22	---	---	7.2	7.0	7.1	7.0	6.9	6.8	7.3	7.0	7.0	6.9				
23	---	---	7.2	7.0	7.2	7.0	6.8	6.6	7.1	6.9	7.0	6.8				
24	---	---	7.1	7.0	7.3	6.9	6.6	6.6	7.0	6.8	6.8	6.8				
25	---	---	7.1	7.0	7.0	6.9	6.7	6.6	7.0	6.9	6.8	6.7				
26	---	---	7.1	7.0	7.0	6.9	6.8	6.6	7.0	6.9	6.9	6.8				
27	---	---	7.1	7.1	7.1	6.9	6.8	6.7	6.9	6.7	7.1	6.9				
28	---	---	7.1	7.0	7.2	7.0	6.9	6.8	6.9	6.6	7.0	6.7				
29	---	---	7.2	7.0	7.0	6.9	7.0	6.9	6.8	6.7	6.6	6.5				
30	7.1	7.1	7.3	7.1	7.0	6.9	7.0	6.9	6.8	6.8	6.5	6.4				
31	---	---	7.1	7.0	---	---	7.0	7.0	6.9	6.7	---	---				
MONTH	7.2	6.5	7.5	6.9	7.6	6.8	7.5	6.6	7.6	6.6	7.2	6.4				
YEAR	7.6	6.4														

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	27.5	25.5	23.5	19.0	16.5	15.0	10.5	10.0	8.0	5.5	---	---
2	24.5	26.0	23.0	19.0	15.5	14.0	10.5	9.5	7.0	5.0	---	---
3	24.5	26.0	23.5	19.0	15.5	14.5	10.0	8.5	6.0	5.5	---	---
4	24.0	25.5	22.5	18.0	15.5	14.5	9.0	7.5	8.5	6.0	---	---
5	26.5	25.0	22.5	18.0	15.5	13.0	7.5	6.5	7.0	6.0	---	---
6	24.5	23.0	22.5	18.0	17.0	13.5	7.0	6.5	6.5	6.0	---	---
7	24.0	22.5	19.0	18.0	15.5	14.0	9.0	7.5	6.5	5.5	---	---
8	24.5	22.0	20.0	17.0	17.0	14.5	9.5	8.0	7.5	5.0	---	---
9	23.5	21.5	19.5	16.5	14.0	12.0	9.0	7.0	7.5	5.0	---	---
10	23.0	21.5	20.5	17.5	14.0	11.5	8.0	6.5	8.0	5.0	---	---
11	24.0	21.5	21.0	16.5	13.5	10.5	7.0	6.0	8.5	5.0	---	---
12	26.5	22.5	22.5	17.5	13.0	9.5	7.0	6.0	8.5	5.5	---	---
13	25.5	21.5	20.5	17.5	12.0	9.0	8.0	7.0	8.5	6.0	---	---
14	22.5	20.0	20.0	14.5	10.5	8.5	8.0	7.0	9.5	6.5	---	---
15	22.0	19.5	20.5	18.0	11.5	9.0	9.0	6.5	11.5	8.0	13.0	10.5
16	22.5	19.5	21.5	19.0	11.0	9.0	9.0	6.5	11.0	9.0	12.5	10.0
17	22.5	19.5	20.5	19.0	11.5	9.0	9.5	7.5	10.0	7.5	13.0	10.0
18	22.5	19.0	21.5	18.5	10.5	9.0	9.5	8.0	8.5	7.0	13.5	10.5
19	23.0	19.5	19.5	17.5	11.5	10.5	9.0	8.0	9.5	7.0	14.5	11.0
20	23.0	19.0	20.0	17.5	13.0	11.5	9.5	8.5	9.0	6.5	13.5	12.0
21	21.5	18.0	19.5	17.0	12.0	10.5	8.5	7.0	8.0	7.5	14.0	12.5
22	22.5	18.0	18.0	16.5	12.0	10.0	9.0	6.5	8.5	7.5	13.5	13.0
23	22.0	18.5	17.5	16.5	12.0	10.5	9.5	6.5	9.5	8.0	15.0	13.0
24	23.5	19.5	18.5	15.5	11.5	10.0	7.5	4.5	11.5	10.0	14.0	13.0
25	22.0	19.5	17.5	15.0	11.0	9.0	9.5	4.0	12.5	9.5	13.0	12.5
26	22.5	20.0	16.0	14.5	10.5	8.5	4.0	4.5	11.0	10.0	14.0	12.0
27	24.0	20.5	16.0	15.5	9.5	8.0	7.5	6.5	11.5	8.5	13.0	11.5
28	24.0	20.0	16.5	14.5	9.5	7.5	6.5	6.0	13.0	8.5	13.5	11.5
29	23.5	20.5	14.5	13.5	9.5	8.0	9.0	6.0	---	---	15.0	12.0
30	23.0	20.0	15.5	14.0	9.0	8.0	9.5	7.0	---	---	15.0	13.0
31	23.5	19.5	---	---	11.5	9.0	7.5	6.5	---	---	15.0	14.0
MONTH	24.5	18.0	23.5	13.5	17.0	7.5	10.5	4.0	13.0	5.0	15.0	10.0
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER		
1	16.0	14.0	18.0	16.0	21.5	20.5	28.0	25.5	28.5	26.5	27.0	26.5
2	16.5	15.0	18.0	17.0	22.0	21.0	28.5	26.0	28.5	26.5	28.0	26.5
3	17.5	15.0	18.5	17.5	22.0	21.5	28.0	26.5	28.5	27.0	28.5	26.5
4	17.5	15.0	18.0	18.0	23.5	22.5	29.5	27.0	28.5	27.0	29.5	26.5
5	19.0	14.5	16.5	16.0	23.5	22.5	29.0	27.0	30.5	27.5	27.5	26.5
6	20.5	14.0	19.0	18.0	22.5	22.0	29.0	27.0	31.0	27.5	28.0	26.5
7	20.5	13.5	19.0	18.0	22.5	21.5	28.5	26.5	30.5	28.0	27.5	26.5
8	16.5	14.5	19.0	18.5	22.5	21.5	26.5	26.0	30.0	29.0	27.5	27.0
9	15.5	14.5	19.5	19.0	23.5	22.0	26.5	25.0	31.0	29.0	29.0	26.5
10	16.5	14.0	21.5	19.5	23.5	22.5	25.5	25.0	30.0	29.0	28.5	26.0
11	17.5	15.0	21.0	20.0	24.0	22.5	25.5	23.5	29.0	28.5	29.5	26.0
12	16.0	15.5	20.5	20.0	24.5	23.0	25.0	24.0	29.0	27.0	27.5	26.0
13	15.5	15.5	20.0	19.0	24.5	23.0	26.0	24.0	29.0	27.0	27.0	26.0
14	17.0	15.0	20.5	19.0	24.5	23.0	27.0	25.0	28.5	26.5	27.5	26.0
15	17.5	15.0	21.0	19.5	24.0	23.0	28.5	26.0	27.5	26.0	26.5	24.5
16	18.0	15.5	21.0	19.5	24.5	23.5	29.5	27.0	27.5	26.5	25.0	24.5
17	18.5	16.0	20.5	19.0	25.5	23.5	29.5	28.0	27.0	26.0	24.5	23.5
18	14.0	16.5	21.0	19.5	26.5	24.5	28.5	27.5	28.5	26.5	24.0	23.5
19	18.0	16.5	21.0	20.0	27.0	24.5	29.0	27.5	30.0	26.5	26.0	23.5
20	17.5	16.0	23.0	20.5	26.5	26.0	28.0	27.0	29.0	27.0	25.0	23.5
21	---	---	22.5	21.0	27.0	25.5	27.5	25.5	29.5	27.5	25.5	23.5
22	---	---	23.5	21.5	27.0	25.5	25.5	24.5	30.0	28.0	26.0	23.5
23	---	---	23.0	22.0	28.5	26.0	24.5	23.0	29.0	27.5	24.0	22.5
24	---	---	22.0	21.0	27.0	25.5	24.5	23.5	29.5	27.0	23.5	23.0
25	---	---	21.0	20.0	26.0	25.0	24.5	24.5	27.5	27.0	23.5	23.0
26	---	---	20.5	19.0	26.5	25.5	25.0	24.0	27.5	26.0	23.5	22.0
27	---	---	19.0	18.5	27.0	24.5	25.5	24.5	27.5	26.0	21.5	21.0
28	---	---	20.0	18.5	27.0	24.0	26.5	25.0	26.0	25.0	22.5	20.5
29	---	---	19.5	18.5	26.0	24.5	27.0	25.5	25.5	25.0	22.5	20.0
30	17.5	16.5	21.5	19.0	26.5	25.0	27.0	25.5	26.5	25.0	22.5	19.5
31	---	---	21.5	20.0	---	---	28.0	26.0	27.0	25.5	---	---
MONTH	20.5	13.5	23.5	16.0	28.5	20.5	29.5	23.0	31.0	25.0	29.5	19.5
YFAR	31.0	4.0										

OXYGEN, DISSOLVED (DO), MG/L, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	5.3	4.8	5.8	5.4	7.2	6.9	9.9	9.8	11.5	11.4	9.7	9.3
2	6.0	4.7	5.9	5.4	7.6	7.1	9.9	9.0	11.7	11.5	9.5	8.4
3	4.9	4.1	5.9	5.1	7.7	7.4	9.6	9.1	11.7	11.6	9.1	8.5
4	4.9	3.9	5.2	4.2	7.8	7.5	10.3	9.7	11.8	11.5	---	---
5	6.2	4.9	5.7	5.1	7.9	7.4	11.1	10.4	11.6	10.9	---	---
6	6.3	5.6	6.2	5.6	7.4	6.8	11.2	10.9	11.0	10.7	---	---
7	7.3	6.3	6.1	5.4	7.7	7.3	10.9	10.5	11.0	10.8	---	---
8	7.9	6.6	6.1	5.6	7.8	7.2	10.6	10.2	11.2	11.0	---	---
9	7.1	6.3	6.3	5.8	8.3	7.8	10.4	10.1	11.3	11.0	---	---
10	6.8	6.2	6.0	5.4	8.2	7.6	11.1	10.5	11.3	11.1	---	---
11	6.8	6.1	5.9	5.1	8.5	7.7	11.4	11.1	11.5	11.3	---	---
12	7.1	6.1	6.4	5.5	8.4	6.1	11.3	11.1	11.5	11.4	---	---
13	7.2	5.3	6.7	6.2	9.3	8.5	11.1	10.8	11.5	11.2	---	---
14	6.3	5.4	6.5	6.0	9.1	9.0	10.9	10.6	11.3	10.9	---	---
15	6.3	5.9	6.3	5.7	9.2	9.0	10.6	10.4	11.1	10.5	10.2	10.1
16	5.9	5.3	5.9	5.3	9.4	9.2	10.6	10.5	10.7	10.1	10.4	10.2
17	5.8	5.3	5.5	5.0	9.5	9.3	11.0	10.6	10.2	9.7	10.4	10.4
18	5.5	4.2	5.4	3.8	9.4	9.1	11.3	11.2	10.1	9.7	10.4	10.3
19	4.4	3.9	5.1	4.5	9.1	8.9	11.6	11.2	10.3	10.0	10.4	10.2
20	4.6	4.0	4.9	4.4	9.0	8.9	11.5	11.3	11.0	10.4	10.5	10.3
21	5.5	4.7	4.8	3.7	9.1	9.0	11.7	11.2	11.7	11.2	10.4	10.1
22	5.3	4.7	4.7	4.4	9.0	8.2	11.5	10.9	11.8	11.4	10.2	9.7
23	5.2	4.6	5.8	4.5	8.2	7.8	11.2	10.9	11.6	11.1	9.7	9.3
24	5.0	4.4	5.9	5.0	8.8	7.9	11.3	10.8	11.2	9.5	9.4	8.6
25	4.8	4.5	6.5	5.5	9.2	8.8	11.1	10.5	9.6	8.6	9.0	8.4
26	4.9	4.5	6.5	5.6	9.4	8.9	11.1	10.6	9.2	8.6	8.9	8.2
27	5.0	4.6	6.2	5.2	9.6	9.3	11.2	11.0	9.7	9.0	10.1	8.9
28	5.8	4.7	7.0	6.0	9.9	9.6	11.2	10.7	10.1	9.7	10.2	10.0
29	5.8	5.2	7.8	6.8	10.1	9.8	10.8	10.7	---	---	10.2	10.0
30	6.0	5.4	7.6	6.8	10.1	9.9	11.0	10.8	---	---	10.2	9.9
31	5.8	5.2	---	---	10.1	9.7	11.4	11.1	---	---	10.1	9.6
MONTH	7.9	3.9	7.8	3.7	10.1	6.1	11.7	9.0	11.8	8.6	10.5	8.2
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	9.7	9.4	8.9	8.8	7.4	6.6	7.5	6.6	6.5	5.8	5.6	5.1
2	9.4	8.2	8.9	8.7	6.6	4.8	7.4	7.2	6.4	5.9	5.6	5.0
3	8.8	8.1	8.7	8.6	5.7	4.7	7.0	6.0	6.6	5.9	5.7	4.9
4	8.7	7.5	8.6	8.5	6.2	5.8	6.6	5.6	6.5	5.7	5.6	4.9
5	7.5	6.9	8.5	8.3	6.3	5.6	6.6	5.8	8.0	5.8	5.3	4.7
6	7.3	6.5	8.5	8.3	6.7	6.0	6.5	5.0	8.1	5.9	5.6	5.3
7	7.4	6.8	8.4	8.3	6.6	6.0	6.3	5.4	6.0	5.1	5.5	5.1
8	7.4	7.1	8.4	8.4	6.9	6.4	5.7	5.0	6.8	5.1	5.7	5.3
9	8.9	7.4	8.4	8.1	6.9	6.4	5.7	5.0	6.5	5.3	6.9	5.2
10	8.8	8.6	8.1	7.1	6.9	6.5	5.6	4.6	5.6	5.2	7.3	5.3
11	8.8	8.5	8.0	7.6	6.7	6.4	6.3	4.6	5.6	5.2	7.5	4.8
12	8.8	8.5	7.9	7.7	6.6	6.4	6.1	5.3	6.3	5.5	4.9	4.2
13	9.0	8.3	7.8	7.7	6.9	6.3	6.4	4.7	6.6	5.5	4.5	4.1
14	8.6	7.7	7.7	7.1	7.4	6.4	6.2	4.9	5.8	4.2	4.5	4.1
15	7.7	7.3	7.8	7.0	7.4	6.4	8.8	4.5	5.7	4.8	5.8	4.4
16	7.3	7.0	7.9	7.4	7.3	6.3	9.9	7.1	5.9	4.5	5.3	4.7
17	7.3	6.9	7.9	7.4	7.8	6.9	8.5	5.9	5.8	5.1	5.6	4.7
18	7.4	7.2	7.9	7.3	9.1	6.7	7.9	6.3	6.1	5.0	5.4	4.6
19	8.0	7.4	7.9	7.2	8.2	6.1	8.2	6.8	6.4	5.3	5.3	4.4
20	8.1	8.0	9.0	7.3	6.4	5.9	7.4	6.5	6.4	5.6	6.1	5.2
21	---	---	8.6	7.1	6.4	6.0	7.5	6.6	5.7	5.3	6.1	5.4
22	---	---	7.0	5.7	6.8	6.0	7.5	6.2	6.9	5.5	6.2	5.5
23	---	---	6.3	5.6	6.3	6.0	7.5	6.2	6.0	5.3	5.9	5.3
24	---	---	6.4	5.6	7.1	6.5	7.1	5.8	5.9	4.6	5.8	4.5
25	---	---	6.7	6.1	7.0	5.8	7.0	5.8	5.6	4.8	4.9	4.6
26	---	---	7.2	6.5	6.4	5.3	6.0	5.6	5.4	5.0	4.9	4.2
27	---	---	7.2	6.6	6.5	5.4	5.8	4.7	5.8	4.7	6.3	5.1
28	---	---	7.1	6.8	6.9	6.2	6.0	5.4	5.4	5.0	6.7	5.3
29	---	---	7.6	7.1	7.1	6.6	6.1	5.4	5.6	4.8	5.9	4.9
30	8.8	8.8	7.6	7.1	7.3	6.5	6.3	5.2	5.7	5.3	5.9	4.8
31	---	---	7.5	7.0	---	---	5.9	5.6	5.9	5.4	---	---
MONTH	9.7	6.5	9.0	5.6	9.1	4.7	9.9	4.5	8.1	4.2	7.5	4.1
YEAR	11.8	3.7										

MOBILE RIVER BASIN

02397810 DUCK CREEK NEAR CENTER POST, GA.

LOCATION.--Lat 34°37'08", long 85°20'49", Walker County, Hydrologic Unit 03150105, at bridge on State Route 337, 1 mi (1.6 km) north of Center Post and 2.4 mi (3.9 km) upstream of Chattooga Creek.

DRAINAGE AREA.--32.4 mi² (83.9 km²).

PERIOD OF DAILY RECORD.--April 1979 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

				STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)				
DATE		TIME										
APR 23...		1700	47	159	7.6	17.0	8.4					
JUL 31...		1200	48	170	7.7	22.0	7.8					
AUG 21...		1300	8.9	215	7.9	24.5	7.5					
DATE	HARD- NESS (MG/L AS CACO3)	HARD- NESS, NONCAR- BONATE (MG/L CACO3)	ACIDITY TOTAL HEATED (MG/L AS H)	ACIDITY (MG/L AS CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM+ POTAS- SIUM DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LINITY (MG/L AS CACO3)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2)	SULFATE DIS- SOLVED (MG/L AS SO4)
APR 23...	--	--	.0	.0	--	--	--	--	--	80	--	3.6
JUL 31...	90	7	.0	.0	30	3.6	1.2	2.0	.8	83	3.2	3.4
AUG 21...	--	--	.0	.0	--	--	--	--	--	110	27	3.5
DATE	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)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)	SEDI- MENT, SUS- PENDED (MG/L)	SEDI- MENT DIS- CHARGE, SUS- PENDED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM	ALUM- INUM, TOTAL RECOV- ERABLE (UG/L AS AL)	ARSENIC TOTAL (UG/L AS AS)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)
APR 23...	--	--	--	102	--	--	9	1.1	100	--	--	--
JUL 31...	2.2	.0	5.8	111	103	1.3	14	1.8	100	240	0	0
AUG 21...	--	--	--	124	--	--	10	.24	100	--	--	--
DATE	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, SUS- PENDED RECOV- ERABLE (UG/L AS FE)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, SUS- PENDED RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	SELE- NIUM, TOTAL (UG/L AS SE)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)
APR 23...	--	--	340	310	30	--	30	0	30	--	--	--
JUL 31...	<10	2	480	--	--	3	40	--	--	<.5	0	60
AUG 21...	--	--	300	280	20	--	40	0	40	--	--	--
DATE	ALUM- INUM, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	ARSENIC TOTAL IN BOT- TOM MA- TERIAL (UG/G AS AS)	CADMIUM RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CD)	CHRO- MIUM, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	COBALT, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CO)	COPPER, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CU)	IRON, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS FE)	LEAD, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS PB)	MANGA- NESE, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	MERCURY RECOV. FM BOT- TOM MA- TERIAL (UG/G AS HG)	ZINC, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS ZN)	
APR 19...	2000	0	10	30	10	10	13000	10	470	.00	20	

02397830 HARRISBURG CREEK NEAR HAWKINS, GA.

LOCATION.--Lat 34°36'02", long 85°23'21", Walker County, Hydrologic Unit 03150105, at bridge on county road, 0.7 mi (1.1 km) west of Hawkins, 0.8 mi (1.3 km) upstream of Spring Creek, and 11 mi (17.7 km) southwest of LaFayette.

DRAINAGE AREA.--13.3 mi² (34.4 km²).

PERIOD OF DAILY RECORD.--April 1979 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)						
APR 23...	1530	7.4	20	5.6	15.8	9.0						
JUN 06...	1400	21	26	5.7	17.6	9.0						
JUL 31...	1100	29	17	6.2	20.7	8.0						
SEP 06...	1100	2.8	27	5.6	21.2	7.0						
DATE	CHLO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, SUS- PENDED RECOV- ERABLE (UG/L AS FE)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, SUS- PENDED RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	SELE- NIUM, TOTAL RECOV- ERABLE (UG/L AS SE)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)
APR 23...	--	--	140	130	10	--	0	0	0	--	--	--
JUN 06...	--	--	140	120	20	--	10	10	0	--	--	--
JUL 31...	<10	2	140	--	--	3	10	--	--	<.5	0	50
SEP 06...	--	--	90	30	60	--	0	0	0	--	--	--
DATE	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SI02)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)	SEDI- MENT, SUS- PENDED (MG/L)	SEDI- MENT DIS- SOLVED (MG/L)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM	ALUM- INUM, TOTAL RECOV- ERABLE (UG/L AS AL)	ARSENIC TOTAL RECOV- ERABLE (UG/L AS AS)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)
APR 23...	--	--	--	18	--	--	2	.04	100	--	--	--
JUN 06...	--	--	--	19	--	--	6	.34	63	--	--	--
JUL 31...	1.4	.0	4.8	22	14	.23	4	.31	100	120	0	0
SEP 06...	--	--	--	24	--	--	1	.01	100	--	--	--
DATE	HARD- NESS (MG/L AS CAC03)	HARD- NESS, NONCAR- BONATE (MG/L AS CAC03)	ACIDITY TOTAL HEATED (MG/L AS H)	ACIDITY (MG/L AS CAC03)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM+ POTAS- SIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LINITY (MG/L AS CAC03)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2)	SULFATE DIS- SOLVED (MG/L AS SO4)
APR 23...	--	--	.0	.0	--	--	--	--	--	3	--	2.9
JUN 06...	--	--	.0	.0	--	--	--	--	--	1	--	3.1
JUL 31...	5	3	.0	.0	1.1	.5	.8	1.5	.7	2	2.5	2.4
SEP 06...	--	--	.0	.0	--	--	--	--	--	5	25	3.7
DATE	NITRO- GEN+NH4 TOTAL IN BOT. MAT. (MG/KG AS N)	ALUM- INUM, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	ARSENIC TOTAL IN BOT- TOM MA- TERIAL (UG/G AS AS)	CADMIUM RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CD)	CHRO- MIUM, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	COBALT, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CO)	COPPER, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CU)	IRON, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS FE)	LEAD, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS PB)	MANGA- NESE, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	MERCURY RECOV. FM BOT- TOM MA- TERIAL (UG/G AS HG)	ZINC, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS ZN)
APR 19...	.0	4800	0	10	20	10	10	35000	10	540	.00	70

02397860 TELOGA CREEK AT NEAL CROSSING, GA.

LOCATION.--Lat 34°33'16", long 85°25'08", Chattooga County, Hydrologic Unit 03150105, at bridge on county road 0.2 mi (0.3 km) west of Neal Crossing and 5.0 mi (8.0 km) southwest of Center Post.

DRAINAGE AREA.--3.39 mi² (8.78 km²).

PERIOD OF RECORD.--September 1976, April 1977, April 1979 to September 1979.

WATER QUALITY DATA, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

WATER ANALYSIS REPORT												
DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)						
SEP 08...	1730	.89	195	7.2	18.0	8.8						
DATE	COLOR (PLAT- INUM COBALT UNITS)	TUR- BID- ITY (JTU)	HARD- NESS (MG/L AS CAC03)	HARD- NESS, NONCAR- BONATE (MG/L AS CAC03)	ACIDITY TOTAL HEATED (MG/L AS H)	ACIDITY (MG/L AS CAC03)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)
SEP 08...	0	1	100	10	.0	.0	36	2.8	1.1	2	.0	.6
DATE	BICAR- BONATE (MG/L AS HC03)	CAR- BONATE (MG/L AS CO3)	ALKA- LINITY (MG/L AS CAC03)	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 SI02)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)	SOLIDS, DIS- SOLVED (TONS PER DAY)
SFP 08...	111	0	91	11	3.8	1.6	.5	7.0	112	109	.15	.27
DATE	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS NO3)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS NO2)	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, AMMONIA DIS- SOLVED (MG/L AS NH4)	NITRO- GEN, ORGANIC DIS- SOLVED (MG/L AS N)	NITRO- GEN, ORGANIC DIS- SOLVED (MG/L AS N)	NITRO- GEN, KJEL- DAHL TOTAL (MG/L AS N)
SFP 08...	.18	.80	.00	.00	.18	.18	.00	.00	.00	.06	.07	.07
DATE	NITRO- GEN, NH4 + ORG. SUSP. TOTAL (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC DIS- SOLVED (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	PHOS- PHORUS, ORTHOPHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, ORTHOPHOS- PHORUS, DIS- SOLVED (MG/L AS P)	PHOS- PHATE, ORTHOPHOS- PHATE, DIS- SOLVED (MG/L AS P04)	ALUM- INUM, DIS- SOLVED (UG/L AS AL)	ARSENIC DIS- SOLVED (UG/L AS AS)	CADMIUM DIS- SOLVED (UG/L AS CD)
SEP 08...	.00	.07	.24	1.1	.010	.010	.00	.00	.00	20	0	0
DATE	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, DIS- SOLVED (UG/L AS PB)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MERCURY DIS- SOLVED (UG/L AS HG)	ZINC, DIS- SOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C)	
SEP 08...	0	0	70	30	3	10	10	.1	10	1.0	.6	

02397860 TELOGA CREEK AT NEAL CROSSING, GA.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

				STREAM- FLOW, INSTAN- TANEOUS (CFS)		SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)		PH		TEMPER- ATURE (DEG C)	
										OXYGEN, DIS- SOLVED (MG/L)	
DATE		TIME									
APR 28...		1730		5.2		59		6.3		15.0	
										9.6	
				</							

02397860 TELOGA CREEK AT NEAL CROSSING, GA.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)						
APR 23...	1400	5.2	63	6.9	15.0	9.3						
JUL 31...	0930	5.4	62	7.0	19.0	7.6						
AUG 21...	1145	.62	168	6.9	21.5	8.6						
DATE	HARD- NESS (MG/L AS CACO3)	HARD- NESS, NONCAR- BONATE (MG/L CACO3)	ACIDITY TOTAL HEATED (MG/L AS H)	ACIDITY (MG/L AS CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM+ POTAS- SIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LITY (MG/L AS CACO3)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2)	SULFATE DIS- SOLVED (MG/L AS SO4)
APR 23...	--	--	.0	.0	--	--	--	--	--	28	--	3.2
JUL 31...	28	4	.0	.0	9.6	1.0	.8	1.3	.5	24	--	3.3
AUG 21...	--	--	.0	.0	--	--	--	--	--	85	21	3.2
DATE	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)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)	SEDI- MENT, SUS- PENDED (MG/L)	SEDI- MENT DIS- CHARGE, SUS- PENDED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM	ALUM- INUM, TOTAL RECOV- ERABLE (UG/L AS AL)	ARSENIC TOTAL (UG/L AS AS)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)
APR 23...	--	--	--	50	--	--	1	.01	100	--	--	--
JUL 31...	1.7	.0	5.3	46	38	.33	2	.03	100	80	0	0
AUG 21...	--	--	--	98	--	--	1	.00	100	--	--	--
DATE	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, SUS- PENDED RECOV- ERABLE (UG/L AS FE)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, SUS- PENDED RECOV. (UG/L AS MN)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	SELE- NIUM, TOTAL (UG/L AS SE)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)
APR 23...	--	--	120	100	20	--	0	0	0	--	--	--
JUL 31...	<10	2	150	--	--	2	10	--	--	<.5	0	40
AUG 21...	--	--	140	100	40	--	20	0	20	--	--	--
DATE	NITRO- GEN,NH4 TOTAL IN BOT. MAT. (MG/KG AS N)	ALUM- INUM, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	ARSENIC TOTAL IN BOT- TOM MA- TERIAL (UG/G AS AS)	CADMIUM RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CD)	CHRO- MIUM, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	COBALT, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CO)	COPPER, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CU)	IRON, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS FE)	LEAD, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS PB)	MANGA- NESE, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	MERCURY RECOV. FM BOT- TOM MA- TERIAL (UG/G AS HG)	ZINC, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS ZN)
APR 19...	.0	2300	0	10	10	<10	10	11000	10	250	.00	50

MOBILE RIVER BASIN

J77

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 (183 m) downstream from bridge on U.S. Highway 27, 1 mi (1.6 km) southeast of Summerville, and 4 mi (6.4 km) upstream from Raccoon Creek.

DRAINAGE AREA.--193 mi² (500 km²).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--March 1937 to current year.

GAGE.--Water-stage recorder. Datum of gage is 613.47 ft (186.986 m) National Geodetic Vertical Datum of 1929 (levels by Georgia Department of Transportation). Prior to Nov. 12, 1937, nonrecording gage at same site and datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--42 years, 358 ft³/s (10.1 m³/s), 25.19 in/yr (640 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 24,500 ft³/s (694 m³/s) Mar. 29, 1951, gage height, 21.0 ft (6.40 m);

minimum daily, 38 ft³/s (1.08 m³/s) Oct. 17, 1937, Nov. 9, 1939.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 3,000 ft³/s (85.0 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)	Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
Feb. 24	2400	3310 93.7	12.35 3.764	Apr. 13	1800	10200 289	16.86 5.139
Mar. 4	1800	*20000 566	19.43 5.922	Sept. 28	2200	4740 134	14.35 4.374

Minimum discharge, 60 ft³/s (1.70 m³/s) Oct. 15.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	76	70	80	788	291	696	341	360	799	125	288	205
2	79	68	72	1700	266	583	335	334	429	120	254	361
3	73	66	76	795	255	959	1340	328	432	118	221	326
4	72	72	148	536	250	13600	1510	334	400	117	199	615
5	71	69	161	423	232	6310	1020	316	325	115	185	364
6	68	73	106	362	229	1780	773	292	300	112	172	288
7	67	73	87	655	423	1260	635	274	309	112	161	240
8	66	72	83	892	429	960	552	257	269	120	151	213
9	72	70	873	560	373	763	724	246	246	139	144	192
10	71	69	427	431	335	660	602	236	232	143	140	178
11	71	67	202	369	316	689	518	226	254	136	145	167
12	70	67	156	325	300	568	934	234	210	139	179	159
13	68	69	136	307	285	507	7500	254	193	137	143	166
14	66	69	124	280	270	488	5000	286	182	129	131	218
15	65	70	116	252	258	458	2500	232	176	124	125	176
16	70	69	118	232	243	411	1150	214	169	120	121	160
17	68	74	124	222	224	385	885	202	161	112	119	156
18	68	80	115	213	244	364	728	192	157	113	117	157
19	68	74	110	199	231	350	618	186	149	111	116	158
20	68	72	109	618	241	336	548	179	144	150	112	150
21	67	69	121	1950	471	326	485	178	140	578	111	192
22	66	69	130	1110	855	315	440	174	143	879	113	413
23	68	70	118	744	867	905	410	167	138	358	130	293
24	68	72	127	1030	2110	1420	382	177	145	288	121	243
25	68	69	158	768	2710	804	388	165	149	374	344	215
26	70	69	146	611	1720	632	785	159	139	1190	477	196
27	73	75	137	527	1040	529	638	154	132	688	599	634
28	73	74	128	455	797	464	512	159	125	478	329	3780
29	71	83	123	380	---	416	440	154	126	391	338	2990
30	70	96	147	337	---	379	398	177	134	329	274	1080
31	72	---	535	323	---	354	---	990	---	449	226	---
TOTAL	2163	2159	5293	18394	16265	38671	33091	7836	6907	8494	6285	14685
MEAN	69.8	72.0	171	593	581	1247	1103	253	230	274	203	490
MAX	79	96	873	1950	2710	13600	7500	990	799	1190	599	3780
MIN	65	66	72	199	224	315	335	154	125	111	111	150
CFSM	.36	.37	.89	3.07	3.01	6.46	5.72	1.31	1.19	1.42	1.05	2.54
IN.	.42	.42	1.02	3.55	3.13	7.45	6.38	1.51	1.33	1.64	1.21	2.83
CAL YR 1978	TOTAL	103937	MEAN 285	MAX 3540	MIN 65	CFSM 1.48	IN 20.03					
WTR YR 1979	TOTAL	160243	MEAN 439	MAX 13600	MIN 65	CFSM 2.28	IN 30.89					

MOBILE RIVER BASIN

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, Air Temperature, Water Temperature, pH, and Dissolved Oxygen by U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	PH (UNITS)	TEMPER- ATURE, AIR (DEG C)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)					
OCT 25...	0745	67	7.4	16.5	12.0	7.2					
NOV 29...	1130	75	7.4	4.0	11.0	7.6					
DEC 18...	1305	113	7.4	7.0	7.5	9.4					
JAN 24...	1045	1160	7.5	-3.0	7.0	11.0					
FEB 21...	1250	450	7.7	8.0	8.0	11.4					
MAR 21...	0900	324	7.9	17.0	15.0	8.4					
APR 18...	0900	742	7.8	16.5	15.5	9.3					
MAY 23...	0815	165	7.2	19.5	20.0	6.8					
JUN 27...	0735	132	8.1	16.0	19.0	7.5					
JUL 25...	0800	256	7.3	23.0	21.5	7.7					
AUG 29...	1140	344	7.6	28.0	22.0	7.5					
SEP 26...	1150	194	8.0	22.5	19.0	7.8					

DATE	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	TUR- BID- ITY (JTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	HARD- NESS (MG/L AS CAC03)	ALKA- LILITY (MG/L AS CAC03)	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 25...	496	3	1.1	930	128	149	.33	<.02	.46	6.0
NOV 29...	451	7	.9	4300	108	150	.46	.02	.54	7.0
DEC 18...	275	4	.4	430	120	113	.64	<.02	.27	2.0
JAN 24...	157	19	1.9	930	--	55	.59	--	.16	<1.0
FEB 21...	230	10	2.9	9300	80	86	.60	<.02	.24	5.0
MAR 21...	250	6	.4	930	86	87	.53	<.02	.10	<1.0
APR 18...	150	9	1.1	430	78	62	.50	<.02	.05	3.0
JUN 27...	350	8	.5	150	104	136	.72	<.02	.16	1.5
JUL 25...	240	2	--	--	--	106	.65	.03	.14	3.0
AUG 29...	256	18	1.0	2300	90	111	.46	.04	.16	3.0
SEP 26...	307	7	.1	40	88	136	.52	.02	.12	5.0

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 (0.6 km) downstream from Hinton Creek, and 0.7 mi (1.1 km) south of Chattoogaville.

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, Air Temperature, Water Temperature, pH, and Dissolved Oxygen by U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	PH (UNITS)	TEMPER- ATURE, AIR (DEG C)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
OCT 25...	0935	93	7.7	20.0	16.0	6.6
NOV 29...	1205	100	7.5	5.0	11.0	7.2
DEC 18...	1405	153	7.5	7.0	7.0	10.2
JAN 24...	1145	1750	7.4	-3.0	6.0	11.2
FEB 21...	1340	690	7.7	12.0	7.0	11.6
MAR 21...	0930	430	8.0	19.5	16.0	8.1
APR 18...	0815	1080	7.7	15.0	15.5	9.5
MAY 23...	0900	244	7.1	26.0	20.5	7.0
JUN 27...	0700	185	7.9	16.0	19.0	7.5
JUL 25...	0915	340	7.7	23.0	22.0	7.4
AUG 29...	1300	505	7.8	29.0	23.0	7.2
SEP 26...	1230	250	7.9	26.5	20.0	7.6

DATE	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	TUR- BID- ITY (JTU)	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 CAC03)
OCT 25...	390	5	12	.2	230	120
NOV 29...	282	8	14	2.0	9300	115
DEC 18...	355	6	6	.6	430	122
JAN 24...	147	30	16	2.2	3300	--
FEB 21...	230	13	29	2.6	2300	82
MAR 21...	240	7	12	1.0	930	88
APR 18...	144	15	20	1.2	2300	74
JUN 27...	325	10	6	.5	40	106
JUL 25...	230	5	--	--	--	--
AUG 29...	232	26	--	1.4	9300	92
SEP 26...	293	10	--	.1	90	94

MOBILE RIVER BASIN

02398037 CHATTOOGA RIVER AT CHATTOOGAVILLE, GA.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	ALKA- LINITY (MG/L AS CAC03)	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)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT							
25...	142	8	.53	<.02	.25	.54	5.0
NOV							
29...	125	1	.48	.10	1.3	.58	5.0
DEC							
18...	122	4	.56	.04	2.5	.35	5.0
JAN							
24...	52	42	.63	.04	.19	.20	2.0
FEB							
21...	80	19	.63	.02	.60	.30	4.0
MAR							
21...	93	17	.54	.03	.60	.15	2.9
APR							
18...	61	18	.48	.02	.44	.11	2.0
JUN							
27...	129	10	.72	<.02	.30	.20	1.5
JUL							
25...	96	24	.60	.06	--	.15	<1.0
AUG							
29...	100	49	.42	.10	--	.18	4.0
SEP							
26...	126	14	.52	.02	--	.18	<1.0

02398580 MIDDLE FORK LITTLE RIVER NEAR VALLEY HEAD, ALA.

LOCATION.--Lat 34°32'18", long 85°31'33", DeKalb County, Hydrologic Unit 03150105, at bridge on State Route 58, 1.5 mi (2.4 km) west of Cloudland, Ga., 5.0 mi (8.0 km) east of Mentone, and 7.0 mi (11.3 km) east of Valley Head.

DRAINAGE AREA.--17.0 mi² (44.0 km²).

PERIOD OF RECORD.--September 1976, April 1977, April 1979 to September 1979.

WATER QUALITY DATA, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)												
DATE		TIME		PH (UNITS)		TEMPER- ATURE (DEG C)						
SEP 08...		1600		23		5.4		23.0				
DATE	COLOR (PLAT- INUM COBAL T UNITS)	TUR- BID- ITY (JTU)	HARD- NESS (MG/L AS CACO3)	HARD- NESS, NONCAR- BONATE (MG/L CACO3)	ACIDITY TOTAL HEATED (MG/L AS H)	ACIDITY (MG/L AS CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)
SEP 08...	5	2	7	0	.0	.0	2.1	.4	1.1	23	.2	.8
DATE	BICAR- BONATE (MG/L AS HCO3)	CAR- BONATE (MG/L AS CO3)	ALKA- LITY (MG/L AS CACO3)	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 AC-FT)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N)
SEP 08...	10	0	8	64	2.5	1.0	.2	3.2	21	16	.03	.01
DATE	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS NO3)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS NO2)	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, AMMONIA DIS- SOLVED (MG/L AS NH4)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC DIS- SOLVED (MG/L AS N)	NITRO- GEN, KJEL- DAHL, TOTAL (MG/L AS N)	NITRO- GEN+NH4 + ORG. SUSP. TOTAL (MG/L AS N)
SEP 08...	.04	.00	.00	.01	.01	.00	.00	.00	.21	.21	.21	.00
DATE	NITRO- GEN+AM- MONIA + ORGANIC DIS- SOLVED (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	PHOS- PHORUS, ORTHOPHOS- PHATE, TOTAL (MG/L AS P)	PHOS- PHORUS, ORTHOPHOS- PHATE, DIS- SOLVED (MG/L AS P)	PHOS- PHATE, ORTHOPHOS- PHATE, DIS- SOLVED (MG/L AS PO4)	ALUM- INUM, DIS- SOLVED (UG/L AS AL)	ARSENIC DIS- SOLVED (UG/L AS AS)	CADMIUM DIS- SOLVED (UG/L AS CD)	
SEP 08...	.21	.22	.80	.000	.000	.00	.00	.00	30	0	0	
DATE	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, DIS- SOLVED (UG/L AS PB)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MERCURY DIS- SOLVED (UG/L AS HG)	ZINC, DIS- SOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C)	
SEP 08...	1	0	470	90	6	40	10	.1	0	2.6	1.0	

MOBILE RIVER BASIN

02398580 MIDDLE FORK LITTLE RIVER NEAR VALLEY HEAD, ALA.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

						STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH	TEMPER- ATURE (DEG C)			
DATE		TIME						(UNITS)				
APR 29...		1000		21		15	6.3	13.5				
DATE	COLOP (PLAT- INUM COBALT UNITS)	TUR- BID- ITY (JTU)	HARD- NESS (MG/L AS CAC03)	HARD- NESS, NONCAR- BONATE (MG/L CAC03)	ACIDITY TOTAL HEATED (MG/L AS H)	ACIDITY (MG/L AS CAC03)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)
APR 29...	5	2	4	0	.0	.0	.2	.9	.7	24	.1	.5
DATE	BICAR- BONATE (MG/L AS HC03)	CAR- BONATE (MG/L AS C03)	ALKA- LINITY (MG/L AS CAC03)	CARBON DIOXIDE DIS- SOLVED (MG/L AS C02)	SULFATE DIS- SOLVED (MG/L AS S04)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SI02)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)	SOLIDS, DIS- SOLVED (TONS PER DAY)
APR 29...	5	0	4	4.0	2.4	1.2	.0	4.0	18	13	.02	.00
DATE	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N03)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N02)	NITRO- GEN, NO2+N03 TOTAL (MG/L AS N)	NITRO- GEN, NO2+N03 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, AMMONIA TOTAL (MG/L AS NH4)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS NH4)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC DIS- SOLVED (MG/L AS N)
APR 29...	.11	.49	.00	.00	.11	.11	.00	.00	.01	.00	.08	.08
DATE	NITRO- GEN, KJEL- DAHL, TOTAL (MG/L AS N)	NITRO- GEN, NH4 + ORG. SUSP. TOTAL (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC DIS- SOLVED (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N03)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	PHOS- PHORUS, ORTH0, DIS- SOLVED (MG/L AS P)	PHOS- PHATE, ORTH0, DIS- SOLVED (MG/L AS P04)	ALUM- INUM, DIS- SOLVED (UG/L AS AL)	ARSENIC DIS- SOLVED (UG/L AS AS)	
APR 29...	.08	.00	.08	.19	.80	.000	.000	.00	.00	100	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, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, DIS- SOLVED (UG/L AS PB)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MERCURY DIS- SOLVED (UG/L AS HG)	ZINC, DIS- SOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	
APR 29...	0	10	0	180	20	22	20	20	.0	10	4.3	

02398580 MIDDLE FORK LITTLE RIVER NEAR VALLEY HEAD, ALA.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
APR 27...	0830	122	33	4.9	13.0	9.7
JUL 30...	1300	31	42	6.4	20.0	9.0
AUG 20...	1445	1.1	68	5.9	25.0	8.2

DATE	HARD- NESS (MG/L AS CACO3)	HARD- NESS, NONCAR- BONATE (MG/L CACO3)	ACIDITY TOTAL HEATED (MG/L AS H)	ACIDITY (MG/L AS CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM+ POTAS- SIUM DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LINITY (MG/L AS CACO3)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2)	SULFATE DIS- SOLVED (MG/L AS SO4)
APR 27...	--	--	.0	.0	--	--	--	--	--	<1	--	8.3
JUL 30...	12	10	.0	.0	2.5	1.5	.9	1.5	.6	2	--	12
AUG 20...	--	--	.0	.0	--	--	--	--	--	10	25	17

DATE	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)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)	SEDI- MENT, SUS- PENDE (MG/L)	SEDI- MENT DIS- CHARGE, SUS- PENDE (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM	ALUM- INUM, TOTAL RECOV- ERABLE (UG/L AS AL)	ARSENIC TOTAL (UG/L AS AS)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)
APR 27...	--	--	--	26	--	--	11	3.6	77	--	--	--
JUL 30...	1.6	.0	4.7	36	27	.35	4	.34	25	120	0	0
AUG 20...	--	--	--	48	--	--	3	.01	100	--	--	--

DATE	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, SUS- PENDE RECOV- ERABLE (UG/L AS FE)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, SUS- PENDE RECOV. (UG/L AS MN)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	SELE- NIUM, TOTAL (UG/L AS SE)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)
APR 27...	--	--	260	220	40	--	290	0	310	--	--	--
JUL 30...	<10	4	200	--	--	3	370	--	--	<.5	0	30
AUG 20...	--	--	790	680	110	--	440	40	400	--	--	--

02398580 MIDDLE FORK LITTLE RIVER NEAR VALLEY HEAD, ALA.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	ARSENIC TOTAL IN BOT- TOM MA- TERIAL (UG/G AS AS)	CADMIUM RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CD)	CHRO- MIUM. RECOV. FM BOT- TOM MA- TERIAL (UG/G)	COBALT, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CO)	COPPER, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CU)	IRON, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS FE)	LEAD, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS PB)	MANGA- NESE, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	MERCURY RECOV. FM BOT- TOM MA- TERIAL (UG/G AS HG)	SELE- NIUM, TOTAL IN BOT- TOM MA- TERIAL (UG/G)	ZINC, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS ZN)	CARBON, INORG + ORGANIC TOT. IN BOT MAT (G/KG AS C)
MAY 09...	1	<10	<10	<10	<10	2000	<10	70	.00	0	<10	2.2

DATE	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
MAY 09...	0	3	22	46	80	95	99	100

02398582 BRUSH CREEK NEAR MENTONE, ALA.

LOCATION.--Lat 34°32'07", long 85°31'46", DeKalb County, Hydrologic Unit 03150105, at culvert on county road 0.1 mi (0.2 km) upstream of Middle Fork Little River and 5.0 mi (8.0 km) east of Mentone.
 DRAINAGE AREA.--3.44 mi² (8.91 km²).
 PERIOD OF RECORD.--April 1979 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)							
APR 26...	1530	17	30	5.7	17.0	9.1							
JUL 30...	1430	7.5	38	6.7	23.1	8.2							
AUG 20...	1545	.56	90	6.2	24.5	8.5							

DATE	HARD- NESS (MG/L AS CAC03)	HARD- NESS, NONCAR- BONATE (MG/L CAC03)	ACIDITY TOTAL HEATED (MG/L AS H)	ACIDITY (MG/L AS CAC03)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM+ POTAS- SIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LINITY (MG/L AS CAC03)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2)	SULFATE DIS- SOLVED (MG/L AS SO4)
APR 26...	--	--	.0	.0	--	--	--	--	--	2	7.8	6.2
JUL 30...	12	9	.0	.0	2.5	1.3	1.2	2.0	.8	3	--	8.0
AUG 20...	--	--	.0	.0	--	--	--	--	--	27	33	13

DATE	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)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)	SEDI- MENT, SUS- PENDE (MG/L)	SEDI- MENT DIS- CHARGE, SUS- PENDE (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM	ALUM- INUM, TOTAL RECOV- ERABLE (UG/L AS AL)	ARSENIC TOTAL (UG/L AS AS)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)
APR 26...	--	--	--	25	--	--	13	.62	100	--	--	--
JUL 30...	1.5	.0	4.7	37	24	.41	7	.14	100	160	0	0
AUG 20...	--	--	--	66	--	--	11	.02	91	--	--	--

DATE	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, SUS- PENDE RECOV- ERABLE (UG/L AS FE)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, SUS- PENDE RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	SELE- NIUM, TOTAL (UG/L AS SE)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)
APR 26...	--	--	400	290	110	--	150	0	150	--	--	--
JUL 30...	<10	3	480	--	--	4	280	--	--	<.5	0	40
AUG 20...	--	--	930	710	220	--	450	10	440	--	--	--

DATE	ALUM- INUM, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	ARSENIC TOTAL IN BOT- TOM MA- TERIAL (UG/G AS AS)	CADMIUM TOTAL FM BOT- TOM MA- TERIAL (UG/G AS CD)	CHRO- MIUM, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	COBALT, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CO)	COPPER, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CU)	IRON, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS FE)	LEAD, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS PB)	MANGA- NESE, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	MERCURY FM BOT- TOM MA- TERIAL (UG/G AS HG)	ZINC, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS ZN)
APR 26...	3000	0	10	10	10	10	17000	10	490	.00	20

MOBILE RIVER BASIN

02398600 GILREATH CREEK NEAR CLOUDLAND, GA.

LOCATION.--Lat 34°34'05", long 85°27'17", Chattooga County, Hydrologic Unit 03150105, at bridge on county road 4.6 mi (7.4 km) north of Cloudland.

DRAINAGE AREA.--3.91 mi² (10.1 km²).

PERIOD OF RECORD.--September 1976, April 1977, April 1979 to September 1979.

WATER QUALITY DATA, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE												
DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)						
SEP 08...	1215	.19	30	6.9	21.0	7.8						
DATE	COLOR (PLAT- INUM COBALT UNITS)	TUR- BID- ITY (JTU)	HARD- NESS (MG/L AS CAC03)	HARD- NESS, NONCAR- BONATE (MG/L CAC03)	ACIDITY TOTAL HEATED (MG/L AS H)	ACIDITY (MG/L AS CAC03)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)
SEP 08...	55	6	10	1	.0	.0	3.2	.5	.8	13	.1	1.0
DATE	BICAR- BONATE (MG/L AS HCO3)	CAR- BONATE (MG/L AS CO3)	ALKA- LINITY (MG/L AS CAC03)	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 AC-FT)	SOLIDS, DIS- SOLVED (TONS PER DAY)
SEP 08...	11	0	9	2.2	2.1	1.3	.4	3.0	24	18	.03	.01
DATE	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS NO3)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS NO2)	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, AMMONIA DIS- SOLVED (MG/L AS NH4)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC DIS- SOLVED (MG/L AS N)	NITRO- GEN, KJEL- DAHL, TOTAL (MG/L AS N)
SEP 08...	.03	.13	.00	.00	.03	.03	.04	.04	.05	.22	.17	.26
DATE	NITRO- GEN, NH4 + ORG. SUSP. TOTAL (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC DIS- SOLVED (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	PHOS- PHORUS, ORTH0. TOTAL (MG/L AS P)	PHOS- PHORUS, ORTH0, DIS- SOLVED (MG/L AS P)	PHOS- PHATE, ORTH0, DIS- SOLVED (MG/L AS PO4)	ALUM- INUM, DIS- SOLVED (UG/L AS AL)	ARSENIC DIS- SOLVED (UG/L AS AS)	CADMIUM DIS- SOLVED (UG/L AS CD)
SEP 08...	.05	.21	.29	1.2	.010	.000	.00	.00	.00	20	0	0
DATE	CHPO- MIUM, DIS- SOLVED (UG/L AS CR)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, DIS- SOLVED (UG/L AS PB)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MERCURY DIS- SOLVED (UG/L AS HG)	ZINC, DIS- SOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C)	
SEP 08...	0	0	3100	100	3	220	140	.1	10	4.2	4.0	

02398600 GILREATH CREEK NEAR CLOUDLAND, GA.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
APR 29...	1300	4.2	18	6.0	15.5	9.6

DATE	COLOR (PLAT- INUM COBALT UNITS)	HARD- NESS (MG/L AS CACO3)	HARD- NESS, NONCAR- BONATE (MG/L AS CACO3)	ACIDITY TOTAL HEATED (MG/L AS H)	ACIDITY (MG/L AS CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	BICAR- BONATE (MG/L AS HCO3)
APR 29...	5	5	1	.0	.0	.7	.8	.7	21	.1	.6	5

DATE	CAR- BONATE (MG/L AS CO3)	ALKA- LINITY (MG/L AS CACO3)	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 AC-FT)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N)
APR 29...	0	4	8.0	2.6	1.4	.0	2.9	15	13	.02	.08

DATE	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS NO3)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS NO2)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS NH4)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS NH4)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC DIS- SOLVED (MG/L AS N)
APR 29...	.35	.00	.00	.08	.08	.00	.00	.01	.00	.12	.11

DATE	NITRO- GEN, KJEL- DAHL, TOTAL (MG/L AS N)	NITRO- GEN, NH4 + ORG. SUSP. TOTAL (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC DIS. (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	PHOS- PHORUS, ORTHO, DIS- SOLVED (MG/L AS P)	PHOS- PHATE, ORTHO, DIS- SOLVED (MG/L AS PO4)	ALUM- INUM, DIS- SOLVED (UG/L AS AL)	ARSENIC DIS- SOLVED (UG/L AS AS)
APR 29...	.12	.01	.11	.20	.89	.000	.000	.00	.00	90	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, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, DIS- SOLVED (UG/L AS PB)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MERCURY DIS- SOLVED (UG/L AS HG)	ZINC, DIS- SOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)
APR 29...	0	8	0	450	40	13	60	60	.0	10	4.0

02398600 GILREATH CREEK NEAR CLOUDLAND, GA.—Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
APR 27...	1100	25	24	5.0	14.0	9.5
JUL 31...	0830	5.7	23	6.4	21.0	7.3
AUG 21...	1000	.13	19	5.7	22.5	6.3

DATE	HARD- NESS (MG/L AS CACO3)	HARD- NESS, NONCAR- BONATE (MG/L CACO3)	ACIDITY TOTAL HEATED (MG/L AS H)	ACIDITY (MG/L AS CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM+ POTAS- SIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LITY (MG/L AS CACO3)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2)	SULFATE DIS- SOLVED (MG/L AS SO4)
APR 27...	--	--	.0	.0	--	--	--	--	--	<1	20	4.9
JUL 31...	6	3	.0	.0	1.7	.5	.7	1.4	.7	3	--	4.1
AUG 21...	--	--	.0	.0	--	--	--	--	--	10	39	3.0

DATE	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)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)	SEDI- MENT, SUS- PENDEd (MG/L)	SEDI- MENT DIS- CHARGE, SUS- PENDEd (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM	ALUM- INUM, TOTAL RECOV- ERABLE (UG/L AS AL)	ARSENIC TOTAL (UG/L AS AS)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)
APR 27...	--	--	--	23	--	--	1	.07	100	--	--	--
JUL 31...	1.5	.0	3.5	22	15	.16	1	.02	100	70	0	0
AUG 21...	--	--	--	23	--	--	5	.00	100	--	--	--

DATE	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, SUS- PENDEd RECOV- ERABLE (UG/L AS FE)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, SUS- PENDEd RECOV. (UG/L AS MN)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	SELE- NIUM, TOTAL (UG/L AS SE)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)
APR 27...	--	--	240	190	50	--	60	0	70	--	--	--
JUL 31...	<10	4	660	--	--	3	100	--	--	<.5	0	30
AUG 21...	--	--	1900	1100	830	--	160	10	150	--	--	--

DATE	ALUM- INUM, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	ARSENIC TOTAL IN BOT- TOM MA- TERIAL (UG/G AS AS)	CADMIUM RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CD)	CHRO- MIUM, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	COBALT, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CO)	COPPER, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CU)	IRON, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS FE)	LEAD, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS PB)	MANGA- NESE, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	MERCURY RECOV. FM BOT- TOM MA- TERIAL (UG/G AS HG)	ZINC, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS ZN)
APR 27...	1400	0	10	10	<10	10	5000	10	70	.00	10

02398620 EAST FORK LITTLE RIVER NEAR CLOUDLAND, GA.

LOCATION.--Lat 34°31'22", long 85°30'20", Chattooga County, Hydrologic Unit 03150105, at bridge on State Route 48, 0.8 mi (1.3 km) northwest of Cloudland and 0.9 mi (1.4 km) from Georgia-Alabama State Line.

DRAINAGE AREA.--12.1 mi² (31.13 km²).

PERIOD OF RECORD.--September 1976, April 1977, April 1979 to September 1979.

WATER QUALITY DATA, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	OXYGEN, DIS-SOLVED (MG/L)
SEP 08...	1700	58	6.8	22.0	8.1

DATE	COLOR (PLAT-INUM COBALTS UNITS)	TURBIDITY (JTU)	HARDNESS (MG/L AS CaCO ₃)	HARDNESS, NONCARBONATE (MG/L AS CaCO ₃)	ACIDITY TOTAL HEATED (MG/L AS H)	ACIDITY (MG/L AS CaCO ₃)	CALCIUM DIS-SOLVED (MG/L AS Ca)	MAGNESIUM, DIS-SOLVED (MG/L AS Mg)	SODIUM, DIS-SOLVED (MG/L AS Na)	SODIUM PERCENT	SODIUM ADSORPTION RATIO	POTASSIUM, DIS-SOLVED (MG/L AS K)
SEP 08...	4	4	22	9	.0	.0	6.0	1.8	2.0	15	.2	1.2

DATE	BICARBONATE (MG/L AS HCO ₃)	CARBONATE (MG/L AS CO ₃)	ALKALINITY (MG/L AS CaCO ₃)	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO ₂)	SULFATE DIS-SOLVED (MG/L AS SO ₄)	CHLORIDE, DIS-SOLVED (MG/L AS CL)	FLUORIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SiO ₂)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DIS-SOLVED (MG/L)	SOLIDS, DIS-SOLVED (TONS PER AC-FT)	NITROGEN, NITRATE DIS-SOLVED (MG/L AS N)
SEP 08...	16	0	13	4.1	10	1.3	.3	4.0	38	35	.05	.03

DATE	NITROGEN, NITRATE DIS-SOLVED (MG/L AS NO ₃)	NITROGEN, NITRITE DIS-SOLVED (MG/L AS N)	NITROGEN, NITRITE DIS-SOLVED (MG/L AS NO ₂)	NITROGEN, NO ₂ +NO ₃ TOTAL DIS-SOLVED (MG/L AS N)	NITROGEN, NO ₂ +NO ₃ TOTAL DIS-SOLVED (MG/L AS N)	NITROGEN, AMMONIA TOTAL DIS-SOLVED (MG/L AS N)	NITROGEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITROGEN, AMMONIA DIS-SOLVED (MG/L AS NH ₄)	NITROGEN, ORGANIC TOTAL DIS-SOLVED (MG/L AS N)	NITROGEN, ORGANIC DIS-SOLVED (MG/L AS N)	NITROGEN, KJELDAHL, TOTAL DIS-SOLVED (MG/L AS N)	NITROGEN, NH ₄ + ORG. SUSP. TOTAL DIS-SOLVED (MG/L AS N)
SEP 08...	.10	.00	.00	.03	.03	.00	.00	.00	.12	.12	.12	.00

DATE	NITROGEN, AMMONIA + ORGANIC DIS-SOLVED (MG/L AS N)	NITROGEN, TOTAL DIS-SOLVED (MG/L AS N)	NITROGEN, TOTAL DIS-SOLVED (MG/L AS NO ₃)	PHOSPHORUS, TOTAL DIS-SOLVED (MG/L AS P)	PHOSPHORUS, DIS-SOLVED (MG/L AS P)	PHOSPHORUS, ORTHO, DIS-SOLVED (MG/L AS P)	PHOSPHORUS, ORTHO, DIS-SOLVED (MG/L AS P)	PHOSPHATE, ORTHO, DIS-SOLVED (MG/L AS PO ₄)	ALUMINUM, DIS-SOLVED (UG/L AS AL)	ARSENIC, DIS-SOLVED (UG/L AS AS)	CADMIUM, DIS-SOLVED (UG/L AS CD)
SEP 08...	.12	.15	.58	.000	.000	.00	.00	.00	30	0	0

DATE	CHROMIUM, DIS-SOLVED (UG/L AS CR)	COPPER, DIS-SOLVED (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, DIS-SOLVED (UG/L AS PB)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MANGANESE, DIS-SOLVED (UG/L AS MN)	MERCURY, DIS-SOLVED (UG/L AS HG)	ZINC, DIS-SOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL DIS-SOLVED (MG/L AS C)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C)
SEP 08...	0	0	330	190	4	30	20	.1	10	2.0	2.0

02398620 EAST FORK LITTLE RIVER NEAR CLOUDLAND, GA.—Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

				STREAM- FLOW, INSTAN- TANEOUS (CFS)		SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)		PH		TEMPER- ATURE (DEG C)		OXYGEN, DIS- SOLVED (MG/L)	
DATE		TIME											
APR 29...		1115		18		26		6.3		15.5		10.0	

02398620 EAST FORK LITTLE RIVER NEAR CLOUDLAND, GA.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
APR 27...	1000	71	33	5.5	14.0	9.7
JUL 30...	1200	28	32	6.3	21.0	8.6
AUG 20...	1345	1.7	75	6.3	24.0	7.8

DATE	HARD- NESS (MG/L AS CACO3)	HARD- NESS, NONCAR- BONATE (MG/L CACO3)	ACIDITY TOTAL HEATED (MG/L AS H)	ACIDITY (MG/L AS CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM+ POTAS- SIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LINITY (MG/L AS CACO3)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2)	SULFATE DIS- SOLVED (MG/L AS SO4)
APR 27...	--	--	.0	.0	--	--	--	--	--	1	--	8.2
JUL 30...	10	5	.0	.0	2.1	1.1	.8	1.4	.6	5	--	8.7
AUG 20...	--	--	.0	.0	--	--	--	--	--	12	12	23

DATE	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)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)	SEDI- MENT, SUS- PENDE (MG/L)	SEDI- MENT DIS- CHARGE, SUS- PENDE (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM	ALUM- INUM, TOTAL RECOV- ERABLE (UG/L AS AL)	ARSENIC TOTAL (UG/L AS AS)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)
APR 27...	--	--	--	28	--	--	9	1.7	100	--	--	--
JUL 30...	1.8	.0	4.0	29	23	.26	1	.08	100	130	0	0
AUG 20...	--	--	--	52	--	--	--	--	--	--	--	--

DATE	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, SUS- PENDE RECOV- ERABLE (UG/L AS FE)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, SUS- PENDE RECOV. (UG/L AS MN)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	SELE- NIUM, TOTAL RECOV- ERABLE (UG/L AS SE)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)
APR 27...	--	--	360	340	20	--	200	0	220	--	--	--
JUL 30...	<10	4	430	--	--	4	130	--	--	<.5	0	40
AUG 20...	--	--	310	130	180	--	40	0	40	--	--	--

DATE	ARSENIC TOTAL IN BOT- TOM MA- TERIAL (UG/G AS AS)	CADMIUM RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CD)	CHRO- MIUM, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	COBALT, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CO)	COPPER, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CU)	IRON, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS FE)	LEAD, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS PB)	MANGA- NESE, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	MERCURY RECOV. FM BOT- TOM MA- TERIAL (UG/G AS HG)	SELE- NIUM, TOTAL IN BOT- TOM MA- TERIAL (UG/G)	ZINC, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS ZN)	CARBON, INORG + ORGANIC TOT. IN BOT MAT (G/KG AS C)
MAY 09...	0	<10	10	<10	<10	1200	<10	170	.00	0	<10	1.4

DATE	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
MAY 09...	0	1	12	62	89	98	100	100	100

MOBILE RIVER BASIN

02398857 EAST FORK OF WEST FORK LITTLE RIVER NEAR HEAD RIVER, GA.

LOCATION.--Lat 34°38'16", long 85°30'25", Walker County, Hydrologic Unit 03150105, at bridge on county road 2.0 mi (3.2 km) south of Head River.

DRAINAGE AREA.--6.35 mi² (16.4 km²).

PERIOD OF RECORD.--May 1979 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

						SPE- CIFIC CON- DUCT- ANCE							
						(MICRO- MHOS)		PH		TEMPER- ATURE		OXYGEN, DIS- SOLVED	
								(UNITS)		(DEG C)		(MG/L)	
DATE		TIME		STREAM- FLOW, INSTAN- TANEOUS (CFS)									
MAY 09...		1430		7.0		22		5.0		19.2		8.2	
AUG 02...		1600		5.5		20		5.5		25.3		6.6	
21...		0800		.37		20		5.2		21.5		5.0	
DATE	HARD- NESS (MG/L AS CACO3)	HARD- NESS, NONCAR- BONATE (MG/L CACO3)	ACIDITY TOTAL HEATED (MG/L AS H)	ACIDITY (MG/L AS CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM+ POTAS- SIUM DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LINITY (MG/L AS CACO3)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2)	SULFATE DIS- SOLVED (MG/L AS SO4)	
MAY 09...	--	--	.0	.0	--	--	--	--	--	1	--	3.0	
AUG 02...	5	3	.0	.0	1.4	.4	.9	1.4	.5	2	12	3.4	
21...	--	--	.0	.0	--	--	--	--	--	8	98	4.9	
DATE	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)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)	SEDI- MENT, DIS- SUS- PENDE (MG/L)	SEDI- MENT DIS- CHARGE, SUS- PENDE (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM	ALUM- INUM, TOTAL RECOV- ERABLE (UG/L AS AL)	ARSENIC TOTAL (UG/L AS AS)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	
MAY 09...	--	--	--	15	--	--	1	.02	100	--	--	--	
AUG 02...	1.9	.0	3.9	20	14	.08	6	.09	100	100	0	0	
21...	--	--	--	28	--	--	4	.00	100	--	--	--	
DATE	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, SUS- PENDE RECOV- ERABLE (UG/L AS FE)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, SUS- PENDE RECOV. (UG/L AS MN)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	SELE- NIUM, TOTAL (UG/L AS SE)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	
MAY 09...	--	--	310	310	0	--	60	0	80	--	--	--	
AUG 02...	<10	3	400	--	--	7	90	--	--	<.5	0	40	
21...	--	--	1400	1200	220	--	110	0	110	--	--	--	

02398860 LONG BRANCH AT HEAD RIVER, GA.

LOCATION.--Lat 34°39'49", long 85°30'18", Dade County, Hydrologic Unit 03150105, at bridge on county road 0.4 mi (0.6 km) north of Head River.

DRAINAGE AREA.--1.30 mi² (3.37 km²).

PERIOD OF RECORD.--May 1979 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

				TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)			
DATE												
MAY 09...				1330	.97	31	5.2	19.4	6.0			
AUG 02...				1500	1.1	30	5.9	26.8	6.1			
21...				0845	.08	23	5.1	22.0	3.4			
DATE	HARD- NESS (MG/L AS CAC03)	HARD- NESS, NONCAR- BONATE (MG/L CAC03)	ACIDITY TOTAL HEATED (MG/L AS H)	ACIDITY (MG/L AS CAC03)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM+ POTAS- SIUM DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LITY (MG/L AS CAC03)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2)	SULFATE DIS- SOLVED (MG/L AS SO4)
MAY 09...	--	--	.0	.0	--	--	--	--	--	3	--	4.4
AUG 02...	10	6	.0	.0	3.1	.6	.7	1.5	.8	4	9.8	4.5
21...	--	--	.0	.0	--	--	--	--	--	11	170	3.5
DATE	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)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)	SEDI- MENT, DIS- SUS- PENDED (MG/L)	SEDI- MENT DIS- CHARGE, SUS- PENDED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM	ALUM- INUM, TOTAL RECOV- ERABLE (UG/L AS AL)	ARSENIC TOTAL (UG/L AS AS)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)
MAY 09...	--	--	--	24	--	--	6	.02	100	--	--	--
AUG 02...	2.1	.0	3.1	38	18	.13	--	--	--	140	1	0
21...	--	--	--	36	--	--	6	.00	100	--	--	--
DATE	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, SUS- PENDED RECOV- ERABLE (UG/L AS FE)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, SUS- PENDED RECOV. (UG/L AS MN)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	SELE- NIUM, TOTAL (UG/L AS SE)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)
MAY 09...	--	--	1400	1300	60	--	70	60	10	--	--	--
AUG 02...	10	3	2600	--	--	5	160	--	--	<.5	0	30
21...	--	--	5000	4900	140	--	290	10	280	--	--	--

MOBILE RIVER BASIN

02398863 WEST FORK LITTLE RIVER TRIBUTARY NEAR MENTONE, ALA.

LOCATION.--Lat 34°36'04", long 85°32'37", DeKalb County, Hydrologic Unit 03150105, at bridge on county road 0.8 mi (1.3 km) upstream of West Fork Little River and 3 mi (4.8 km) northeast of Mentone.

DRAINAGE AREA.--0.57 mi² (1.48 km²).

PERIOD OF RECORD.--May 1979 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)							
MAY 09...	1015	.67	22	4.7	19.0	7.2							
JUL 31...	0700	.92	20	6.5	22.2	6.6							
AUG 21...	0645	.02	--	5.1	21.0	5.1							

DATE	HARD- NESS (MG/L AS CAC03)	HARD- NESS, NONCAR- BONATE (MG/L CAC03)	ACIDITY TOTAL HEATED (MG/L AS H)	ACIDITY (MG/L AS CAC03)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM+ POTAS- SIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LINITY (MG/L AS CAC03)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2)	SULFATE DIS- SOLVED (MG/L AS SO4)
MAY 09...	--	--	.0	.0	--	--	--	--	--	2	78	3.7
JUL 31...	5	3	.0	.0	1.1	.5	.6	1.1	.5	2	--	4.0
AUG 21...	--	--	.0	.0	--	--	--	--	--	6	93	3.8

DATE	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DIS- SOLVED (MG/L)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)	SEDI- MENT, SUS- PENDE (MG/L)	SEDI- MENT DIS- CHARGE, SUS- PENDE (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM	ALUM- INUM, TOTAL RECOV- ERABLE (UG/L AS AL)	ARSENIC TOTAL (UG/L AS AS)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)
MAY 09...	--	--	--	17	--	--	1	.00	100	--	--	--
JUL 31...	1.8	.0	3.4	19	15	.37	16	.04	52	190	0	0
AUG 21...	--	--	--	25	--	--	10	.00	100	--	--	--

DATE	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, SUS- PENDE RECOV- ERABLE (UG/L AS FE)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, SUS- PENDE RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	SELE- NIUM, TOTAL (UG/L AS SE)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)
MAY 09...	--	--	550	550	0	--	60	0	90	--	--	--
JUL 31...	10	2	660	--	--	4	120	--	--	<.5	0	30
AUG 21...	--	--	1800	1400	450	--	490	0	490	--	--	--

DATE	ALUM- INUM, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS AS)	ARSENIC TOTAL IN BOT- TOM MA- TERIAL (UG/G AS AS)	CADMIUM RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CD)	CHRO- MIUM, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	COBALT, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CO)	COPPER, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CU)	IRON, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS FE)	LEAD, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS PB)	MANGA- NESE, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	MERCURY FM BOT- TOM MA- TERIAL (UG/G AS HG)	ZINC, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS ZN)
MAY 09...	2500	0	<10	10	<10	<10	9200	10	140	.00	10

02398865 WEST FORK LITTLE RIVER AT TAYLOR FORD, NEAR VALLEY HEAD, ALA.

LOCATION.—Lat 34°35'11", long 85°33'49", DeKalb County, Hydrologic Unit 03150105, at river ford 2.0 mi (3.2 km) northeast of Mentone and 3.5 mi (5.6 km) northeast of Valley Head.

DRAINAGE AREA.—28.5 mi² (73.8 km²).

PERIOD OF RECORD.—September 1976, April 1977, April 1979 to September 1979.

WATER QUALITY DATA, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)					
SEP 09...	0830	.80	26	6.4	20.0	7.3					
DATE	COLOR (PLAT- INUM COBALT UNITS)	TUR- BID- ITY (JTU)	HARD- NESS (MG/L AS CAC03)	HARD- NESS, NONCAR- BONATE (MG/L CAC03)	ACIDITY TOTAL HEATED (MG/L AS H)	ACIDITY (MG/L AS CAC03)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM AD- SORP- TION RATIO
SEP 09...	2	1	6	0	.0	.0	1.6	.4	.9	23	.2
DATE	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	BICAR- BONATE (MG/L AS HC03)	CAR- BONATE (MG/L AS C03)	ALKA- LINITY (MG/L AS CAC03)	CARBON DIOXIDE DIS- SOLVED (MG/L AS C02)	SULFATE DIS- SOLVED (MG/L AS S04)	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- TUTENTS, DIS- SOLVED (MG/L)
SEP 09...	.7	8	0	7	5.1	2.6	1.0	.2	.5	14	12
DATE	SOLIDS, DIS- SOLVED (TONS PER AC-FT)	SOLIDS, DIS- SOLVED (TONS PER DAY)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N03)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N02)	NITRO- GEN, NO2+N03 DIS- SOLVED TOTAL (MG/L AS N)	NITRO- GEN, NO2+N03 DIS- SOLVED TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS NH4)
SEP 09...	.02	.03	.00	.00	.00	.00	.00	.00	.01	.01	.01
DATE	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, KJEL- DAHL, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N03)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	PHOS- PHORUS, ORTH0. TOTAL (MG/L AS P)	PHOS- PHORUS, ORTH0. DIS- SOLVED (MG/L AS P)	PHOS- PHATE, ORTH0. DIS- SOLVED (MG/L AS P04)	ALUM- INUM, DIS- SOLVED (UG/L AS AL)	ARSENIC DIS- SOLVED (UG/L AS AS)	CADMIUM DIS- SOLVED (UG/L AS CD)
SEP 09...	.11	.12	.53	.000	.000	.00	.00	.00	20	0	0
DATE	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, DIS- SOLVED (UG/L AS PB)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MERCURY DIS- SOLVED (UG/L AS HG)	ZINC, DIS- SOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C)
SEP 09...	0	0	160	100	6	20	0	.1	0	2.0	2.0

02398865 WEST FORK LITTLE RIVER AT TAYLOR FORD, NEAR VALLEY HEAD, ALA.—Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
APR 29...	0830	30	15	6.0	15.0	9.7

DATE	COLOR (PLAT- INUM COBALT UNITS)	TUR- BID- ITY (JTU)	HARD- NESS (MG/L AS CAC03)	HARD- NESS, NONCAR- BONATE (MG/L CAC03)	ACIDITY TOTAL HEATED (MG/L AS H)	ACIDITY (MG/L AS CAC03)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)
APR 29...	5	1	4	2	.0	.0	.1	.9	.6	22	.1	.5

DATE	BICAR- BONATE (MG/L AS HCO3)	CAR- BONATE (MG/L AS CO3)	ALKA- LINITY (MG/L AS CAC03)	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 AC-FT)	SOLIDS, DIS- SOLVED (TONS PER DAY)
APR 29...	3	0	2	4.8	2.7	1.3	.0	3.2	17	11	.02	.00

DATE	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS NO3)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS NO2)	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, AMMONIA TOTAL (MG/L AS NH4)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS NH4)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC DIS- SOLVED (MG/L AS N)
APR 29...	.01	.04	.00	.00	.01	.01	.01	.01	.01	.01	.10	.09

DATE	NITRO- GEN, KJEL- DAHL, TOTAL (MG/L AS N)	NITRO- GEN, NH4 + ORG. SUSP. TOTAL (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC DIS. TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	PHOS- PHORUS, ORTHO, DIS- SOLVED (MG/L AS P)	PHOS- PHATE, ORTHO, DIS- SOLVED (MG/L AS P04)	ALUM- INUM, DIS- SOLVED (UG/L AS AL)	ARSENIC DIS- SOLVED (UG/L AS AS)
APR 29...	.10	.00	.10	.11	.50	.000	.000	.00	.00	100	0

DATE	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, DIS- SOLVED (UG/L AS PB)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MERCURY DIS- SOLVED (UG/L AS HG)	ZINC, DIS- SOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)
APR 29...	0	7	0	170	40	12	10	10	.0	0	7.1

02398865 WEST FORK LITTLE RIVER AT TAYLOR FORD, NEAR VALLEY HEAD, ALA.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)						
APR 26...	1400	386	21	5.3	15.0	9.9						
JUL 30...	1600	51	18	6.7	23.0	9.0						
AUG 20...	1700	1.8	20	5.0	26.0	8.1						
DATE	HARD- NESS (MG/L AS CAC03)	HARD- NESS, NONCAR- BONATE (MG/L CAC03)	ACIDITY TOTAL HEATED (MG/L AS H)	ACIDITY (MG/L AS CAC03)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM+ POTAS- SIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LINITY (MG/L AS CAC03)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2)	SULFATE DIS- SOLVED (MG/L AS SO4)
APR 26...	--	--	.0	.0	--	--	--	--	--	1	--	3.9
JUL 30...	5	4	.0	.0	1.2	.4	.7	1.2	.5	1	--	3.7
AUG 20...	--	--	.0	.0	--	--	--	--	--	6	117	4.0
DATE	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)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)	SEDI- MENT, SUS- PENDE (MG/L)	SEDI- MENT DIS- CHARGE, SUS- PENDE (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM	ALUM- INUM, TOTAL RECOV- ERABLE (UG/L AS AL)	ARSENIC TOTAL (UG/L AS AS)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)
APR 26...	--	--	--	18	--	--	5	5.2	100	--	--	--
JUL 30...	1.1	.0	3.9	24	13	.10	--	--	--	70	0	0
AUG 20...	--	--	--	26	--	--	1	.00	100	--	--	--
DATE	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, SUS- PENDE RECOV- ERABLE (UG/L AS FE)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, SUS- PENDE RECOV. (UG/L AS MN)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	SELE- NIUM, TOTAL RECOV- ERABLE (UG/L AS SE)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)
APR 26...	--	--	270	220	50	--	50	0	60	--	--	--
JUL 30...	<10	1	190	--	--	2	30	--	--	<.5	0	30
AUG 20...	--	--	510	270	240	--	20	0	20	--	--	--
DATE	ARSENIC TOTAL IN BOT- TOM MA- TERIAL (UG/G AS AS)	CADMIUM RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CD)	CHRO- MIUM, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	COBALT, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CO)	COPPER, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CU)	IRON, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS FE)	LEAD, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS PB)	MANGA- NESE, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	MERCURY RECOV. FM BOT- TOM MA- TERIAL (UG/G AS HG)	SELE- NIUM, TOTAL IN BOT- TOM MA- TERIAL (UG/G)	ZINC, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS ZN)	CARBON, INORG + ORGANIC TOT. IN BOT MAT (G/KG AS C)
MAY 09...	0	<10	<10	<10	<10	1500	<10	20	.00	0	<10	2.8
DATE	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					
MAY 09...	9	71	90	94	97	100	100					

MOBILE RIVER BASIN

02411800 LITTLE RIVER NEAR BUCHANAN, GA.

LOCATION.--Lat 33°47'51", long 85°07'03", Haralson County, Hydrologic Unit 03150108, on right bank 150 ft (46 m) upstream from county highway bridge, 4.5 mi (7.2 km) east of Buchanan, and 7 mi (11.3 km) upstream from mouth.

DRAINAGE AREA.--18 mi² (47 km²), approximately.

PERIOD OF RECORD.--June 1959 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 1,110 ft (338 m), from topographic map.

REMARKS.--Records good.

AVERAGE DISCHARGE.--20 years, 34.4 ft³/s (0.97 m³/s), 25.95 in/yr (659 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,820 ft³/s (108 m³/s) Mar. 14, 1966, gage height, 12.58 ft (3.834 m), from rating curve extended above 2,300 ft³/s (65.1 m³/s) on basis of slope-area measurement at gage height, 12.47 ft (3.801 m); minimum, 1.6 ft³/s (0.045 m³/s) Oct. 5, 6, 1970.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 500 ft³/s (14.2 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)	Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
Mar. 3	1900	*3010 85.2	11.00 3.353	Apr. 13	1115	1980 56.1	9.39 2.862
Apr. 3	0845	1020 28.9	5.22 1.591	July 21	2300	548 15.5	3.11 0.948

Minimum daily discharge, 1.8 ft³/s (0.051 m³/s) Oct. 17.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.2	3.7	9.5	17	16	36	25	32	147	13	15	20
2	4.2	3.9	7.4	46	15	32	28	30	111	12	14	14
3	3.2	3.8	9.3	27	16	935	545	29	96	14	13	12
4	2.9	4.2	25	19	16	491	335	32	72	13	12	12
5	2.5	5.3	32	17	15	154	145	34	46	12	11	10
6	2.2	4.7	17	18	32	132	118	30	39	12	10	9.7
7	2.1	5.1	12	46	85	120	101	28	33	12	9.7	9.1
8	2.2	5.7	11	46	51	111	80	28	27	12	9.4	8.5
9	2.1	6.6	32	29	38	99	71	27	24	18	9.3	8.1
10	2.2	5.2	23	23	29	74	51	26	22	20	10	7.7
11	2.2	4.7	16	19	25	69	43	27	20	17	16	7.3
12	2.1	4.6	13	19	22	56	106	53	18	17	24	7.1
13	2.1	5.1	11	22	20	48	976	51	17	15	15	22
14	2.2	5.2	10	19	19	38	208	39	16	14	12	30
15	2.4	5.3	9.1	15	18	32	148	30	16	12	11	14
16	2.1	5.2	10	15	18	30	132	25	17	12	9.9	11
17	1.8	6.8	11	14	19	28	117	23	16	12	9.7	14
18	1.9	12	9.1	14	25	28	99	21	15	11	9.5	47
19	1.9	7.1	8.7	13	26	28	73	20	14	11	9.4	25
20	2.1	5.8	8.6	83	49	27	61	19	14	14	8.9	18
21	2.2	5.1	14	114	65	27	51	19	14	127	8.6	32
22	2.2	4.7	12	56	58	26	40	28	16	122	8.2	38
23	2.2	6.5	9.3	41	109	47	36	29	14	51	8.8	21
24	2.1	7.4	13	95	209	40	33	28	15	35	9.2	17
25	2.2	4.3	14	50	138	32	59	23	15	25	8.7	16
26	2.4	3.9	12	37	67	28	90	20	15	22	15	15
27	2.9	10	10	30	51	26	61	19	14	20	15	61
28	3.2	9.8	8.9	25	41	25	47	19	13	17	29	322
29	3.3	11	8.2	22	---	24	40	54	13	16	23	128
30	3.4	15	12	20	---	23	35	47	14	16	14	71
31	3.7	---	15	18	---	24	---	322	---	19	12	---
TOTAL	78.4	187.7	413.1	1029	1292	2890	3954	1212	923	743	390.3	1027.5
MEAN	2.53	6.26	13.3	33.2	46.1	93.2	132	39.1	30.8	24.0	12.6	34.3
MAX	4.2	15	32	114	209	935	976	322	147	127	29	322
MIN	1.8	3.7	7.4	13	15	23	25	19	13	11	8.2	7.1
CFSM	.14	.35	.74	1.84	2.56	5.18	7.33	2.17	1.71	1.33	.70	1.91
IN.	.16	.39	.85	2.13	2.67	5.97	8.17	2.50	1.91	1.54	.81	2.12

CAL YR 1978	TOTAL	9201.5	MEAN 25.2	MAX 340	MIN 1.8	CFSM 1.40	IN 19.02
WTR YR 1979	TOTAL	14140.0	MEAN 38.7	MAX 976	MIN 1.8	CFSM 2.15	IN 29.22

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 (0.6 km) upstream from Walker Creek, and 2.7 mi (4.3 km) west of Tallapoosa.

DRAINAGE AREA.--270 mi² (700 km²), 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, Air Temperature, Water Temperature, pH, and Dissolved Oxygen by U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	PH (UNITS)	TEMPER- ATURE, AIR (DEG C)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)			
OCT 18...	0900	32	7.4	10.0	10.5	8.5			
NOV 15...	1045	140	6.4	19.0	15.0	8.4			
DEC 04...	1015	140	6.6	15.0	13.5	9.4			
FEB 14...	1020	304	7.0	9.0	6.5	13.0			
APR 23...	1215	746	6.9	23.0	18.0	1.0			
JUN 20...	0940	577	6.9	27.0	21.5	8.2			
AUG 23...	1015	271	6.9	25.5	24.0	7.0			
SEP 18...	1030	514	6.9	19.0	19.5	7.4			

DATE	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	TUR- BID- ITY (JTU)	OXYGEN DEMAND, RIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LINITY (MG/L AS CAC03)	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 18...	39	9	1.1	--	22	.11	.02	.06	4.0
NOV 15...	39	10	.8	90	20	<.02	<.02	.05	3.0
DEC 04...	38	18	1.4	960	14	.09	<.02	.06	10
FEB 14...	33	7	.9	90	10	.18	<.02	.04	<1.0
APR 23...	26	13	.7	2300	10	.10	<.02	.02	1.0
JUN 20...	30	9	.3	90	11	.13	<.02	.04	2.5
AUG 23...	26	13	.5	430	13	.11	.02	.07	<1.0
SEP 18...	35	14	.9	2300	12	.10	<.02	.07	2.0

MOBILE RIVER BASIN

02413210 LITTLE TALLAPOOSA RIVER BELOW BOWDON, GA.

LOCATION.--Lat 33°29'34", long 85°16'45", Carroll County, Hydrologic Unit 03150108, at bridge on State Highway 100, 1.9 mi (3.1 km) upstream from Indian Creek, and 3.8 mi (6.1 km) southwest of Bowdon.

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, Air Temperature, Water Temperature, pH, and Dissolved Oxygen by U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	PH (UNITS)	TEMPER- ATURE, AIR (DEG C)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)			
OCT 19...	0640	31	6.9	.0	10.0	6.6			
NOV 15...	0940	53	7.5	19.0	14.5	7.0			
DEC 04...	1115	103	6.6	15.0	14.5	7.7			
JAN 17...	1300	201	7.1	12.0	4.0	12.6			
FEB 14...	0930	252	6.4	8.0	7.0	12.2			
MAR 14...	0810	404	6.6	14.0	12.5	9.8			
APR 23...	1100	598	6.8	23.5	18.0	8.5			
MAY 17...	0700	282	7.0	13.5	18.0	8.0			
JUN 20...	0845	143	6.8	27.0	21.0	6.8			
JUL 17...	1130	118	6.5	33.0	25.0	6.7			
AUG 23...	1130	128	6.4	27.5	23.0	7.0			
SEP 18...	1130	447	6.3	20.0	20.0	6.6			

DATE	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	TUR- BID- ITY (JTU)	OXYGEN DEMAND, RIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LINITY (MG/L AS CAC03)	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 19...	132	6	1.4	150	21	1.8	.36	.64	8.0
NOV 15...	105	9	1.2	90	20	1.2	.04	1.0	5.0
DEC 04...	80	25	2.6	930	13	.71	.08	.82	6.0
JAN 17...	60	8	1.0	4300	15	.54	.23	.34	2.0
FEB 14...	56	8	1.1	90	11	.60	.14	.88	<1.0
MAR 14...	46	22	1.2	290	10	.45	.07	.36	3.0
APR 23...	35	14	1.0	230	11	.20	<.02	.18	2.0
MAY 17...	50	10	1.6	150	13	.61	.11	.52	<5.0
JUN 20...	49	10	1.0	<30	12	.80	.06	.20	4.0
JUL 17...	61	9	.6	150	18	1.1	.02	.28	3.0
AUG 23...	39	96	2.4	9300	9	.60	.14	.27	6.0
SEP 18...	62	32	2.2	2300	12	.78	.18	.26	9.0

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 (2.1 km) upstream from Talking Rock Creek, 1.3 mi (2.1 km) east of Carters, 1.9 mi (3.1 km) upstream from Louisville and Nashville Railway bridge, and at mile 26.8 (43.1 km). DRAINAGE AREA, 376 mi² (974 km²). PERIOD OF RECORD, November 1974 to current year. GAGE, water-stage recorder. Datum of gage is at mean sea level (levels by Corps of Engineers).

Lake is formed by rolled rock-filled dam. Emergency spillway, crest elevation, 1,070 ft (326.14 m), is equipped with five taintor gates 42 ft (12.8 m) wide by 36.6 ft (11.2 m) high. There is one sluice 16.5 ft (5.0 m) in diameter. Storage began Nov. 12, 1974. Lake first reached minimum pool, elevation, 1,022 ft (311.51 m) Mar. 17, 1975. Power operation began July 19, 1975. Capacity at primary flood control pool elevation, 1,099 ft (334.98 m), 472,800 acre-ft (583 hm³). Capacity at maximum power pool elevation, 1,072 ft (326.75 m), 377,100 acre-ft (465 hm³). Dead storage below elevation 1,022 ft (311.51 m), 242,200 acre-ft (299 hm³). Lake is used for flood control and power. Capacity table and monthend elevations furnished by Corps of Engineers.

EXTREMES FOR PERIOD OF RECORD: Maximum contents, 472,400 acre-ft (582 hm³) Apr. 8, 1977, elevation, 1,099.16 ft (335.024 m); minimum, after first filling, 356,200 acre-ft (434 hm³) Oct. 22, 1976, elevation, 1,064.30 ft (324.399 m).

EXTREMES FOR CURRENT YEAR: Maximum contents, 436,500 acre-ft (538 hm³) Mar. 6, elevation, 1,089.60 ft (332.110 m); minimum, 359,900 acre-ft (444 hm³) April 2, elevation, 1,066.80 ft (325.161 m).

MONTHEND ELEVATION AND CONTENTS AT 2400, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

Date	Elevation (feet)	Contents (acre-feet)	Change in contents	
			(acre-feet)	(equivalent in cubic feet per second)
Sept. 30.....	1073.61	381500	-	-
Oct. 31.....	1073.05	379700	-1800	-29
Nov. 30.....	1072.96	379400	-300	-5
Dec. 31.....	1074.25	383600	+4200	+68
CAL YR 1978	-	-	+12800	+18
Jan. 31.....	1069.00	366700	-16900	-275
Feb. 28.....	1075.93	389100	+22400	+403
Mar. 31.....	1068.71	365800	-23300	-379
Apr. 30.....	1074.15	383300	+17500	+294
May 31.....	1074.60	384700	+1400	+23
June 30.....	1071.80	375600	-9100	-153
July 31.....	1075.63	388100	+12500	+203
Aug. 31.....	1073.15	380000	-8100	-132
Sept. 30.....	1073.87	382300	+2300	+39
WTR YR 1979	-	-	+800	+1

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 (0.3 km) downstream from Talking Rock Creek, 0.2 mi (0.3 km) upstream from Louisville and Nashville Railway bridge, 1.5 mi (2.4 km) downstream from main dam and at mile 25.3 (40.7 km). DRAINAGE AREA, 530 mi² (70 km²). PERIOD OF RECORD, July 1975 to current year. GAGE, water-stage recorder. Datum of gage is at mean sea level (levels by Corps of Engineers).

Reservoir is formed by concrete gravity dam with earth dikes on either side. Spillway, crest elevation, 662.5 ft (201.93 m) is equipped with four taintor gates 42 ft (12.8 m) wide by 36.5 ft (11.1 m) high. Capacity at maximum storage pool elevation, 698 ft (212.8 m), 17,600 acre-ft (21.7 hm³). Dead storage, 290 acre-ft (0.36 hm³). The reservoir is used for storage and re-regulation of power releases from Carters main dam. Capacity table and monthend elevations furnished by Corps of Engineers.

EXTREMES FOR PERIOD OF RECORD: Maximum contents, 18,800 acre-ft (23.2 hm³) Apr. 14, 1977, elevation, 699.36 ft (213.165 m); minimum, 500 acre-ft (0.62 hm³) June 30, 1975, elevation, 666.12 ft (203.033 m).

EXTREMES FOR CURRENT YEAR: Maximum contents, 17,400 acre-ft (21.5 hm³) May 10, elevation, 698.05 ft (212.766 m); minimum, 1,900 acre-ft (2.34 hm³) May 14, elevation, 676.22 ft (206.112 m).

MONTHEND ELEVATION AND CONTENTS AT 2400, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

Date	Elevation (feet)	Contents (acre-feet)	Change in contents	
			(acre-feet)	(equivalent in cubic feet per second)
Sept. 30.....	678.50	3300	-	-
Oct. 31.....	682.08	5400	+2100	+34
Nov. 30.....	683.60	6500	+1100	+18
Dec. 31.....	681.82	5300	-1200	-20
CAL YR 1978	-	-	-2000	-3
Jan. 31.....	696.62	16200	+10900	+177
Feb. 28.....	689.99	10800	-5400	-97
Mar. 31.....	694.03	14000	+3200	+52
Apr. 30.....	683.18	5900	-8100	-136
May 31.....	682.57	5400	-500	-8
June 30.....	688.08	9300	+3900	+66
July 31.....	681.16	4500	-4800	-78
Aug. 31.....	682.96	5700	+1200	+20
Sept. 30.....	679.96	3800	-1900	-32
WTR YR 1979	-	-	+500	+1

MOBILE RIVER BASIN

LAKES AND RESERVOIRS IN MOBILE RIVER BASIN--Continued

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 (4.5 km) upstream from Nashville, Chattanooga, & St. Louis Railway bridge, 4 mi (6.4 km) east of Cartersville, and 6 mi (9.7 km) upstream from Pumpkinvine Creek. DRAINAGE AREA, 1,110 mi² (2,870 km²), approximately. PERIOD OF RECORD, December 1949 to current year. GAGE, water-stage recorder. Datum of gage is at mean sea level (levels by Corps of Engineers).

Lake is formed by concrete gravity dam. Spillway, crest elevation, 835.0 ft (254.51 m) is equipped with nine taintor gates 40 ft (12.2 m) wide by 25 ft (7.6 m) high. There are four sluices 5.67 ft (1.73 m) by 10 ft (3.05 m) high and one sluice 4.0 ft (1.22 m) 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 (262.13 m), top of gates, is 670,000 acre-ft (826 hm³), of which 587,100 acre-ft (724 hm³) is controlled storage above 800 ft (243.84 m), minimum pool. Lake is used for flood control and power. Records furnished by Corps of Engineers.

EXTREMES FOR PERIOD OF RECORD: Maximum contents, 693,800 acre-ft (855 hm³) Apr. 10, 1964, elevation, 861.19 ft (262.491 m); minimum, 119,600 acre-ft (147 hm³) Dec. 4, 1954, elevation, 809.34 ft (246.69 m).

EXTREMES FOR CURRENT YEAR: Maximum contents, 599,900 acre-ft (740 hm³) Apr. 18, elevation, 856.16 ft (260.958 m); minimum, 216,000 acre-ft (266 hm³) Dec. 28, 29, elevation, 824.70 ft (251.369 m).

MONTHEND ELEVATION AND CONTENTS AT 2400, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

Date	Elevation (feet)	Contents (acre-feet)	Change in contents	
			(acre-feet)	(equivalent in cubic feet per second)
Sept. 30.....	835.94	321500	-	-
Oct. 31.....	832.06	281500	-40000	-651
Nov. 30.....	827.20	236800	-44700	-751
Dec. 31.....	825.20	220100	-16700	-272
CAL YR 1978	-	-	-6500	-9
Jan. 31.....	829.76	259600	+39500	+642
Feb. 28.....	837.86	342700	+83100	+1496
Mar. 31.....	836.10	323200	-19500	-317
Apr. 30.....	850.52	508600	+185400	+3116
May 31.....	841.85	389900	-118700	-1930
June 30.....	841.40	384300	-5600	-94
July 31.....	841.78	389000	+4700	+76
Aug. 31.....	839.10	356900	-32100	-522
Sept. 30.....	841.53	385900	+29000	+487
WTR YR 1979	-	-	+64400	+89

TENNESSEE RIVER BASIN

403

03545000 HIWASSEE RIVER AT PRESLEY, GA.

LOCATION.--Lat 34°54'17", long 83°42'01", Towns County, Hydrologic Unit 06020002, on left bank 0.1 mi (0.2 km) downstream from Cynth Creek, 0.5 mi (0.8 km) southeast of Presley, 1.4 mi (2.3 km) upstream from Hightower Creek, and at mile 133.9 (215.4 km).

DRAINAGE AREA.--45.5 mi² (118 km²).

PERIOD OF RECORD.--October 1941 to current year. Monthly discharge only for some periods, published in WSP 1306.

REVISED RECORDS.--WSP 973: 1942. WSP 1910: 1957-58, 1959-60(P).

GAGE.--Water-stage recorder. Datum of gage is 1,932.69 ft (589.084 m) National Geodetic Vertical Datum of 1929.

REMARKS.--Records good. Records of chemical analyses for the water years 1969-74 are published in reports of the Geological Survey.

AVERAGE DISCHARGE.--38 years, 140 ft³/s (3.96 m³/s), 41.78 in/yr (1,061 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 5,700 ft³/s (161 m³/s) Mar. 11, 1952, gage height, 15.24 ft (4.645 m), from rating curve extended above 3,000 ft³/s (85.0 m³/s) on basis of slope-area and contracted-opening measurements at gage heights 12.80 and 15.24 ft (3.901 and 4.645 m), respectively; minimum, 15 ft³/s (0.42 m³/s) Dec. 16, 1958, gage-height, 1.48 ft (0.451 m), result of a freezeup; minimum daily, 23 ft³/s (0.65 m³/s) Sept. 29, Oct. 5, 6, 8, 10-13, 1954, Sept. 7, 1957.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 800 ft³/s (22.7 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)	Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
Jan. 20	2030	871 24.7	4.46 1.359	Apr. 3	1130	1090 30.9	5.07 1.545
Feb. 25	1230	899 25.5	4.54 1.384	Apr. 13	1545	1860 52.7	6.85 2.088
Mar. 4	0945	*4620 131	11.52 3.511	Sept. 21	1930	1690 47.9	6.56 1.999
Mar. 23	1530	2440 69.1	7.96 2.426				

Minimum discharge, 34 ft³/s (0.96 m³/s) Nov. 12-16, gage height, 1.30 ft (0.396 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	50	37	49	169	139	256	232	247	180	84	111	282
2	44	36	44	333	132	227	234	230	182	81	103	174
3	44	36	49	223	131	255	746	226	209	79	97	152
4	43	36	156	169	126	3260	560	222	190	77	92	138
5	42	35	166	146	120	1380	445	210	174	77	88	122
6	41	35	98	135	122	759	379	197	165	76	84	109
7	40	38	77	250	126	580	339	189	164	101	80	100
8	40	37	71	358	114	486	318	185	154	85	78	94
9	40	36	228	245	112	410	365	224	145	102	76	89
10	40	35	168	198	106	371	322	283	143	121	75	84
11	39	35	118	172	104	347	300	245	133	99	87	81
12	38	34	95	159	107	314	368	280	127	173	83	77
13	44	34	83	155	111	290	1430	324	123	125	73	163
14	54	34	75	142	108	284	878	266	118	101	71	187
15	41	34	69	129	120	260	595	232	118	91	69	133
16	41	34	72	121	141	240	492	212	118	83	67	114
17	40	63	69	117	135	227	431	195	113	78	64	104
18	40	65	63	113	146	217	390	183	107	91	63	108
19	40	41	64	111	125	208	361	175	103	84	62	99
20	39	38	62	381	124	201	335	197	104	157	60	93
21	39	36	78	516	181	203	316	206	102	240	59	591
22	38	35	68	313	216	205	298	181	98	181	58	547
23	38	58	65	255	281	838	283	290	95	153	110	316
24	38	46	84	263	606	638	267	292	94	166	71	240
25	38	39	93	217	703	441	270	248	93	260	101	203
26	39	37	82	196	517	360	373	216	92	257	199	180
27	38	59	76	186	362	320	379	218	90	197	289	350
28	37	53	72	175	293	295	314	198	84	164	161	564
29	37	61	68	163	---	274	284	190	87	160	149	415
30	37	61	86	154	---	258	263	182	91	133	121	338
31	37	---	133	148	---	244	---	206	---	122	106	---
TOTAL	1256	1258	2781	6412	5608	14648	12567	6949	3796	3998	3007	6247
MEAN	40.5	41.9	89.7	207	200	473	419	224	127	129	97.0	208
MAX	54	65	228	516	703	3260	1430	324	209	260	289	591
MIN	37	34	44	111	104	201	232	175	84	76	58	77
CFSM	.89	.92	1.97	4.55	4.40	10.4	9.21	4.92	2.79	2.84	2.13	4.57
IN.	1.03	1.03	2.27	5.24	4.58	11.98	10.27	5.68	3.10	3.27	2.46	5.11

CAL YR 1978	TOTAL	41136	MEAN 113	MAX 962	MIN 34	CFSM 2.48	IN 33.63
WTR YR 1979	TOTAL	68527	MEAN 188	MAX 3260	MIN 34	CFSM 4.13	IN 56.03

TENNESSEE RIVER BASIN

03550500 NOTTELY RIVER NEAR BLAIRSVILLE, GA.

LOCATION.--Lat 34°50'28", long 83°56'10", Union County, Hydrologic Unit 06020002, on left bank 250 ft (76 m) upstream from county road bridge, 0.1 mi (0.2 km) downstream from Arkagua Creek, 0.2 mi (0.3 km) upstream from Akins Creek, 2.7 mi (4.3 km) southeast of Blairsville, and at mile 44.3 (71.3 km).

DRAINAGE AREA.--74.8 mi² (194 km²).

PERIOD OF RECORD.--January 1942 to current year.

REVISED RECORDS.--WSP 1053: 1942(M), 1943. WSP 1236: 1946(M), 1950(M).

GAGE.--Water-stage recorder. Datum of gage is 1,812.47 ft (552.441 m) National Geodetic Vertical Datum of 1929.

REMARKS.--Records good. Occasional regulation by Lake Trahlyta in Vogel State Park.

AVERAGE DISCHARGE.--37 years, 189 ft³/s (5.35 m³/s), 34.31 in/yr (871 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 12,900 ft³/s (365 m³/s) Aug. 23, 1967, gage height, 21.04 ft (6.413 m), from floodmark, from rating curve extended above 3,400 ft³/s (96.3 m³/s) on basis of contracted-opening measurements at gage heights 13.29 ft (4.051 m), 16.78 ft (5.115 m), and 21.04 ft (6.413 m); minimum, 27 ft³/s (0.76 m³/s) Sept. 8, Oct. 7, 1947, gage height, 1.77 ft (0.539 m).

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 2,000 ft³/s (56.6 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)	Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
Mar. 4	1015	*6770 192	15.13 4.612	Apr. 13	1430	3530 100	9.46 2.883
Apr. 3	1045	2740 77.6	7.87 2.399				

Minimum discharge, 41 ft³/s (1.16 m³/s) Oct. 6, 7, 11-13, gage height, 1.97 ft (0.600 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	53	44	65	220	166	325	248	284	261	100	145	264
2	48	45	57	545	161	290	261	270	235	95	137	188
3	47	44	66	297	157	334	1610	269	250	93	129	177
4	46	44	271	216	152	4590	947	262	266	90	124	161
5	45	44	259	180	143	1780	648	253	222	91	116	141
6	43	44	130	160	147	1020	506	243	206	90	111	129
7	42	46	98	461	175	724	429	239	201	122	106	123
8	43	48	90	612	153	583	391	238	192	104	102	114
9	44	45	441	337	150	478	523	255	178	117	98	107
10	44	45	238	259	141	436	411	248	170	138	95	101
11	43	44	156	217	136	412	369	232	176	123	129	97
12	42	44	123	196	137	357	546	224	156	227	121	92
13	47	44	106	184	141	330	2510	226	149	166	97	166
14	59	44	95	165	139	337	1280	211	143	135	93	215
15	46	44	87	145	148	305	812	199	138	119	89	148
16	46	44	89	137	165	286	617	193	137	105	86	130
17	45	86	88	133	161	273	516	186	138	97	82	120
18	45	81	79	129	176	265	447	185	132	175	81	145
19	45	52	78	123	160	256	402	186	125	126	79	122
20	46	47	76	661	166	248	369	188	122	238	75	111
21	45	46	111	904	282	243	344	225	129	369	74	572
22	46	46	89	470	309	239	324	203	127	271	76	493
23	45	74	82	343	386	675	308	281	117	222	102	292
24	45	57	140	425	977	616	296	403	121	332	100	234
25	45	49	158	307	1090	443	313	308	133	544	138	200
26	46	47	119	265	727	362	434	260	114	393	202	179
27	46	74	104	249	478	322	450	238	108	284	272	271
28	45	66	94	228	375	297	354	235	105	232	240	464
29	44	98	87	205	---	280	320	233	103	210	253	363
30	44	93	117	191	---	267	299	222	117	176	181	299
31	44	---	198	183	---	257	---	276	---	159	205	---
TOTAL	1414	1629	3991	9147	7698	17630	17284	7475	4771	5743	3938	6218
MEAN	45.6	54.3	129	295	275	569	576	241	159	185	127	207
MAX	59	98	441	904	1090	4590	2510	403	266	544	272	572
MIN	42	44	57	123	136	239	248	185	103	90	74	92
CFSM	.61	.73	1.73	3.94	3.68	7.61	7.70	3.22	2.13	2.47	1.70	2.77
IN.	.70	.81	1.98	4.55	3.83	8.77	8.60	3.72	2.37	2.86	1.96	3.09
CAL YR 1978	TOTAL	56509	MEAN 155	MAX 1430	MIN 42	CFSM 2.07	IN 28.10					
WTR YR 1979	TOTAL	86938	MEAN 238	MAX 4590	MIN 42	CFSM 3.18	IN 43.24					

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 (2.3 km) upstream from Shallowford Bridge, 1.8 mi (2.9 km) upstream from Stanley Creek, 2.5 mi (4.0 km) northwest of Dial, and at mile 69.1 (111.2 km).

DRAINAGE AREA.--177 mi² (458 km²).

WATER-DISCHARGE RECORDS

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 1,792.08 ft (546.226 m) National Geodetic Vertical Datum of 1929. Prior to Oct. 1, 1927, water-stage recorder and Oct. 1, 1927, to Nov. 16, 1928, nonrecording gage at same site and datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--67 years, 499 ft³/s (14.1 m³/s), 38.28 in/yr (972 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 14,700 ft³/s (416 m³/s), Aug. 23, 1967, gage height, 13.73 ft (4.185 m), from rating curve extended above 5,000 ft³/s (142 m³/s) on basis of slope-area measurement at gage height 11.20 ft (3.414 m), and a contracted-opening measurement at 13.73 ft (4.185 m); minimum, 60 ft³/s (1.70 m³/s) Sept. 6, 1925, gage height, 0.40 ft (0.122 m).

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of November 1906 reached a stage of 18.5 ft (5.64 m) and is highest known since about 1840, from reports of Tennessee Valley Authority.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 2,400 ft³/s (68.0 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)	Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
Feb. 25	1515	2820 79.9	5.22 1.591	Apr. 13	1630	4610 131	6.92 2.109
Mar. 4	1030	*10400 295	11.19 3.411	Sept. 21	2100	2710 76.7	5.17 1.576
Apr. 3	1400	3290 93.2	5.69 1.734				

Minimum daily discharge, 150 ft³/s (4.25 m³/s) Nov. 14, 16.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	204	158	225	579	497	893	695	865	863	414	389	555
2	192	157	196	1130	484	806	685	835	768	392	372	406
3	186	155	201	701	484	854	2290	812	781	377	356	449
4	183	154	568	531	480	7340	1600	814	774	369	346	473
5	177	172	526	470	461	4100	1220	799	687	373	328	392
6	172	160	331	456	465	2440	1100	771	649	366	318	371
7	169	164	260	957	562	1780	995	747	623	403	309	351
8	169	170	236	1420	489	1600	951	734	601	445	296	329
9	171	158	795	815	493	1400	1380	727	574	452	289	315
10	172	155	522	649	453	1310	1080	732	557	493	291	302
11	170	153	367	569	448	1250	987	721	584	470	361	293
12	167	153	307	533	445	1140	1190	704	531	672	371	288
13	188	152	272	520	451	1070	4000	680	516	515	304	387
14	224	150	248	496	445	1070	2490	650	504	434	290	619
15	179	152	231	451	462	930	1770	620	493	399	280	400
16	173	150	248	433	492	815	1520	590	489	364	273	353
17	169	235	281	422	473	901	1370	571	485	346	262	332
18	168	340	232	416	505	873	1270	561	473	366	257	356
19	167	185	226	400	466	851	1200	553	462	366	257	337
20	167	166	225	1130	459	825	1140	570	455	483	248	323
21	165	158	307	1650	627	805	1080	806	461	819	240	1090
22	163	155	258	984	700	775	1040	689	461	674	268	1150
23	162	211	235	766	1050	988	1010	697	439	531	258	642
24	163	194	402	935	1960	1050	985	903	438	538	314	530
25	161	165	509	729	2120	856	984	754	439	742	397	483
26	167	157	375	654	1620	856	1180	667	428	693	463	455
27	166	233	323	629	1190	805	1110	639	413	567	443	544
28	162	288	292	600	1010	770	986	661	407	503	528	705
29	161	310	272	553	---	740	936	808	397	492	648	656
30	160	355	350	531	---	720	899	779	538	435	425	670
31	157	---	699	526	---	705	---	918	---	415	379	---
TOTAL	5354	5665	10519	21635	19791	41318	39143	22377	16290	14908	10560	14556
MEAN	173	189	339	698	707	1333	1305	722	543	481	341	485
MAX	224	355	795	1650	2120	7340	4000	918	863	819	648	1150
MIN	157	150	196	400	445	705	685	553	397	346	240	288
CFSM	.98	1.07	1.92	3.94	3.99	7.53	7.37	4.08	3.07	2.72	1.93	2.74
IN.	1.13	1.19	2.21	4.55	4.16	8.68	8.23	4.70	3.42	3.13	2.22	3.06

CAL YR 1978	TOTAL	155715	MEAN 427	MAX 2600	MIN 150	CFSM 2.41	IN 32.73
WTR YR 1979	TOTAL	222116	MEAN 609	MAX 7340	MIN 150	CFSM 3.44	IN 46.68

TENNESSEE RIVER BASIN

03558000 TOCCOA RIVER NEAR DIAL, GA.--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--March 1978 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	TEMPER- ATURE (DEG C)	TUR- BID- ITY (NTU)	SEDI- MENT, SUS- PENDED (MG/L)	SEDI- MENT DIS- CHARGE, SUS- PENDED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT 18...	1625	169	11.0	1.3	4	1.8	85
NOV 29...	0950	209	9.0	3.0	15	8.5	--
JAN 11...	1310	565	3.0	2.0	14	21	--
FEB 23...	0900	968	8.0	8.0	42	110	--
MAR 05...	1115	3950	10.0	25	320	3410	--
APR 05...	0920	1320	11.0	2.0	48	171	--
MAY 17...	0800	575	12.5	2.0	7	11	--
AUG 09...	0840	290	19.5	--	8	6.3	--
SEP 20...	0825	318	16.0	--	8	6.9	--

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 (61 m) above dam at Swanson Mill, and 19.5 mi (31.4 km) above mouth.

DRAINAGE AREA.--198 mi² (513 km²).

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, Air Temperature, Water Temperature, pH, and Dissolved Oxygen by U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	PH (UNITS)	TEMPER- ATURE, AIR (DEG C)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)					
OCT 24...	1225	45	7.9	19.5	16.0	8.8					
DEC 18...	1115	70	7.9	2.0	7.0	10.3					
JAN 23...	1340	420	7.3	6.0	6.0	12.2					
FFB 21...	0950	360	8.0	6.0	5.0	12.2					
APR 18...	1030	350	7.7	19.0	15.0	9.8					
JUN 27...	0845	92	8.0	23.0	20.0	8.7					
AUG 28...	1230	280	7.6	29.0	23.0	6.5					

DATE	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	TUR- BID- ITY (JTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	HARD- NESS (MG/L AS CAC03)	ALKA- LINITY (MG/L AS CAC03)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 24...	258	8	1.2	430	134	129	.20	<.02	.08	<1.0
DEC 18...	237	7	.4	430	122	109	.56	.04	.09	2.0
JAN 23...	112	15	1.2	90	--	44	.78	.03	.04	1.0
FEB 21...	200	9	.2	1500	97	84	.55	<.02	.12	<1.0
APR 18...	137	13	.9	230	80	60	.58	<.02	.04	2.0
JUN 27...	235	10	.6	430	118	109	.50	<.02	.08	<1.0
AUG 28...	143	66	1.4	4300	74	62	.32	.04	.17	6.0

TENNESSEE RIVER BASIN

03567125 MUD CREEK AT CEDAR GROVE, GA.

LOCATION.--Lat 34°42'24", long 85°25'01", Walker County, Hydrologic Unit 06020001, at bridge on county road 0.9 mi (1.4 km) southeast of Cedar Grove.

DRAINAGE AREA.--22.2 mi² (57.5 km²).

PERIOD OF RECORD.--April 1979 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
APR 24...	0800	32	186	7.7	15.5	8.8
JUL 31...	1500	53	174	7.7	22.0	7.7
AUG 21...	1415	5.7	210	7.4	26.5	8.0

DATE	HARD- NESS (MG/L AS CACO3)	HARD- NESS, NONCAR- BONATE (MG/L CACO3)	ACIDITY TOTAL HEATED (MG/L AS H)	ACIDITY (MG/L AS CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM+ POTAS- SIUM DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LITY (MG/L AS CACO3)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2)	SULFATE DIS- SOLVED (MG/L AS SO4)
APR 24...	--	--	.0	.0	--	--	--	--	--	82	--	4.3
JUL 31...	88	12	.0	.0	31	2.6	1.3	2.6	1.3	76	3.0	6.0
AUG 21...	--	--	.0	.0	--	--	--	--	--	120	9.3	5.1

DATE	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)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)	SEDI- MENT, SUS- PENDE (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM	ALUM- INUM, TOTAL RECOV- ERABLE (UG/L AS AL)	ARSENIC TOTAL (UG/L AS AS)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)
APR 24...	--	--	--	111	--	--	7	.60	100	--	--	--
JUL 31...	2.4	.1	6.2	110	101	.94	35	5.0	78	340	1	0
AUG 21...	--	--	--	142	--	--	--	--	--	--	--	--

DATE	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, SUS- PENDE RECOV- ERABLE (UG/L AS FE)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, SUS- PENDE RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	SELE- NIUM, TOTAL (UG/L AS SE)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)
APR 24...	--	--	310	270	40	--	20	0	20	--	--	--
JUL 31...	<10	15	700	--	--	6	50	--	--	<.5	0	30
AUG 21...	--	--	600	550	50	--	60	30	30	--	--	--

DATE	NITRO- GEN,NH4 TOTAL IN BOT. MAT. (MG/KG AS N)	ALUM- INUM, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	ARSENIC TOTAL IN BOT- TOM MA- TERIAL (UG/G AS AS)	CADMIUM RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CD)	CHRO- MIUM, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	COBALT, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CO)	COPPER, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CU)	IRON, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS FE)	LEAD, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS PB)	MANGA- NESE, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	MERCURY RECOV. FM BOT- TOM MA- TERIAL (UG/G AS HG)	ZINC, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS ZN)
APR 18...	.0	1900	0	10	20	<10	10	12000	10	590	.00	20

TENNESSEE RIVER BASIN

409

03567200 WEST CHICKAMAUGA CREEK NEAR KENSINGTON, GA.

LOCATION.--Lat 34°48'10", long 85°20'52", Walker County, Hydrologic Unit 06020001, at bridge on State Route 143, 2.5 mi (4.0 km)

north of Kensington.

DRAINAGE AREA.--73.0 mi² (189 km²).

PERIOD OF RECORD.--April 1979 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
APR 24...	0915	81	193	7.6	16.6	8.2
JUN 06...	1740	133	196	7.5	18.0	8.5
AUG 01...	0730	98	190	7.8	21.3	7.7
21...	1515	19	255	7.8	24.5	7.9
SEP 06...	1400	58	235	7.7	22.5	7.9

DATE	HARD- NESS (MG/L AS CAC03)	HARD- NESS, NONCAR- BONATE (MG/L CAC03)	ACIDITY TOTAL HEATED (MG/L AS H)	ACIDITY (MG/L AS CAC03)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM+ POTAS- SIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LINITY (MG/L AS CAC03)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2)	SULFATE DIS- SOLVED (MG/L AS SO4)
APR 24...	--	--	.0	.0	--	--	--	--	--	90	--	6.4
JUN 06...	--	--	.0	.0	--	--	--	--	--	84	--	7.4
AUG 01...	94	8	.0	.0	32	3.5	2.9	4.3	1.4	86	2.7	7.9
21...	--	--	.0	.0	--	--	--	--	--	120	47	15
SEP 06...	--	--	.0	.0	--	--	--	--	--	120	4.7	10

DATE	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SI02)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)	SEDI- MENT, SUS- PENDED (MG/L)	SEDI- MENT DIS- CHARGE, SUS- PENDED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM	ALUM- INUM, TOTAL RECOV- ERABLE (UG/L AS AL)	ARSENIC TOTAL (UG/L AS AS)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)
APR 24...	--	--	--	113	--	--	10	2.2	100	--	--	--
JUN 06...	--	--	--	117	--	--	18	6.5	100	--	--	--
AUG 01...	2.3	.1	6.3	130	112	.81	17	4.5	100	280	0	0
21...	--	--	--	154	--	--	--	--	--	--	--	--
SEP 06...	--	--	--	156	--	--	6	.94	100	--	--	--

TENNESSEE RIVER BASIN

03567200 WEST CHICKAMAUGA CREEK NEAR KENSINGTON, GA.—Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	IRON, SUS- PENDED RECOVERABLE (UG/L AS FE)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MANGANESE, SUS- PENDED RECOVERABLE (UG/L AS MN)	MANGANESE, DIS- SOLVED (UG/L AS MN)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	SELENIUM, TOTAL (UG/L AS SE)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)
APR 24...	--	--	320	270	50	--	40	10	30	--	--	--
JUN 06...	--	--	440	430	10	--	50	30	20	--	--	--
AUG 01...	<10	6	520	--	--	11	60	--	--	<.5	0	50
21...	--	--	500	440	60	--	50	20	30	--	--	--
SEP 06...	--	--	440	330	110	--	60	10	50	--	--	--

DATE	NITROGEN, NH ₄ TOTAL IN BOT- TOM MA- TERIAL (MG/KG AS N)	ALUMINUM, RECOVERABLE FM BOT- TOM MA- TERIAL (UG/G)	ARSENIC TOTAL IN BOT- TOM MA- TERIAL (UG/G AS AS)	CADMIUM RECOVERABLE FM BOT- TOM MA- TERIAL (UG/G AS CD)	CHROMIUM, RECOVERABLE FM BOT- TOM MA- TERIAL (UG/G)	COBALT, RECOVERABLE FM BOT- TOM MA- TERIAL (UG/G AS CO)	COPPER, RECOVERABLE FM BOT- TOM MA- TERIAL (UG/G AS CU)	IRON, RECOVERABLE FM BOT- TOM MA- TERIAL (UG/G AS FE)	LEAD, RECOVERABLE FM BOT- TOM MA- TERIAL (UG/G AS PB)	MANGANESE, RECOVERABLE FM BOT- TOM MA- TERIAL (UG/G)	MERCURY RECOVERABLE FM BOT- TOM MA- TERIAL (UG/G AS HG)	ZINC, RECOVERABLE FM BOT- TOM MA- TERIAL (UG/G AS ZN)
APR 18...	.0	5600	0	10	40	10	10	29000	20	740	.00	50

TENNESSEE RIVER BASIN

411

03567340 WEST CHICKAMAUGA CREEK NEAR LAKEVIEW, GA.

LOCATION.--Lat 34°57'26", long 85°12'20", Catoosa County, Hydrologic Unit 06020001, at Dyer Bridge on Cloud Springs Road, 3 mi (4.8 km) southeast of Lakeview.

DRAINAGE AREA.--148 mi² (383 km²).

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, Air Temperature, Water Temperature, pH, and Dissolved Oxygen by U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	PH (UNITS)	TEMPER- ATURE, AIR (DEG C)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
OCT						
24...	1305	35	7.6	20.5	16.0	6.0
NOV						
28...	1355	42	7.5	12.5	13.0	5.4
DEC						
18...	1155	80	7.5	2.0	7.5	8.8
JAN						
24...	0900	1050	7.5	-2.0	5.5	9.8
FEB						
21...	1050	280	7.4	7.0	5.5	11.9
MAR						
20...	1035	220	7.6	16.0	15.0	8.4
APR						
18...	1130	375	7.8	21.0	16.0	8.5
MAY						
22...	1055	96	7.7	24.0	20.5	5.9
JUN						
27...	0915	85	7.7	27.0	20.0	5.7
JUL						
24...	1140	480	7.6	30.5	22.0	6.7
AUG						
28...	1330	340	7.5	26.0	23.0	6.2
SEP						
26...	0900	142	7.7	18.5	18.0	6.0

DATE	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	TUR- BID- ITY (JTU)	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 CAC03)
OCT						
24...	337	7	--	2.1	40	130
NOV						
28...	309	10	--	1.9	9	128
DEC						
18...	305	11	--	1.7	930	138
JAN						
24...	182	18	--	1.1	1200	--
FEB						
21...	250	11	--	2.5	930	114
MAR						
20...	225	9	--	1.1	230	100
APR						
18...	157	15	--	1.2	750	91
MAY						
22...	245	11	--	1.4	430	120
JUN						
27...	240	12	--	1.3	430	116
JUL						
24...	210	25	18	1.4	2300	100
AUG						
28...	179	44	28	1.8	4300	86
SEP						
26...	265	15	10	.5	430	129

03567340 WEST CHICKAMAUGA CREEK NEAR LAKEVIEW, GA.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	ALKA- LINITY (MG/L AS CAC03)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDE (MG/L)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT							
24...	149	7	.26	<.02	--	.56	6.0
NOV							
28...	140	9	.40	--	--	.47	10
DEC							
18...	139	9	.84	.08	--	.28	6.0
JAN							
24...	78	33	.87	.04	--	.14	<1.0
FEB							
21...	106	21	.68	.06	--	.22	4.0
MAR							
20...	102	10	.70	.03	--	.08	3.8
APR							
18...	83	28	.78	.02	--	.09	2.0
MAY							
22...	119	17	.91	.12	--	.24	7.0
JUN							
27...	113	17	.75	.03	--	.20	1.0
JUL							
24...	90	66	.80	.09	--	.16	4.5
AUG							
28...	80	72	.42	.10	.60	.25	7.0
SEP							
26...	129	15	.68	.04	.40	.16	<1.0

03568250 CHATTANOOGA CREEK AT HIGH POINT, GA.

LOCATION.--Lat 34°51'51", long 85°21'54", Walker County, Hydrologic Unit 06020001, at bridge on county road 0.1 mi (0.2 km) east of High Point.

DRAINAGE AREA.--5.5 mi² (14.2 km²).

PERIOD OF RECORD.--April 1979 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

				STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)				
DATE		TIME										
APR 24...		1045	10	216	7.8	15.4	9.4					
AUG 01...		0830	10	220	8.0	18.9	8.2					
21...		1600	1.9	215	8.0	24.5	8.9					
DATE	HARD- NESS (MG/L AS CAC03)	HARD- NESS, NONCAR- BONATE (MG/L CAC03)	ACIDITY TOTAL HEATED (MG/L AS H)	ACIDITY (MG/L AS CAC03)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM+ POTAS- SIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LINITY (MG/L AS CAC03)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2)	SULFATE DIS- SOLVED (MG/L AS SO4)
APR 24...	--	--	.0	.0	--	--	--	--	--	112	--	4.1
AUG 01...	120	0	.0	.0	41	3.6	1.3	2.2	.9	122	2.4	6.0
21...	--	--	.0	.0	--	--	--	--	--	140	27	5.0
DATE	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DIS- SOLVED (MG/L)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)	SEDI- MENT, SUS- PENDED (MG/L)	SEDI- MENT DIS- CHARGE, SUS- PENDED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM	ALUM- INUM, TOTAL RECOV- ERABLE (UG/L AS AL)	ARSENIC TOTAL (UG/L AS AS)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)
APR 24...	--	--	--	130	--	--	5	.14	100	--	--	--
AUG 01...	1.6	.1	6.4	140	136	.40	2	.05	0	120	0	0
21...	--	--	--	163	--	--	3	.02	100	--	--	--
DATE	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, SUS- PENDED RECOV- ERABLE (UG/L AS FE)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, SUS- PENDED RECOV. (UG/L AS MN)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	SELE- NIUM, TOTAL (UG/L AS SE)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)
APR 24...	--	--	220	200	20	--	20	0	20	--	--	--
AUG 01...	<1	6	240	--	--	8	30	--	--	<.5	0	30
21...	--	--	230	200	30	--	20	0	20	--	--	--
DATE	NITRO- GEN,NH4 TOTAL IN BOT. MAT. (MG/KG AS N)	ALUM- INUM, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	ARSENIC TOTAL IN BOT- TOM MA- TERIAL (UG/G AS AS)	CADMIUM RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CD)	CHRO- MIUM, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	COBALT, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CO)	COPPER, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CU)	IRON, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS FE)	LEAD, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS PB)	MANGA- NESE, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	MERCURY RECOV. FM BOT- TOM MA- TERIAL (UG/G AS HG)	ZINC, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS ZN)
APR 18...	.0	3800	0	10	20	10	10	19000	20	730	.00	50

03568300 CHATTANOOGA CREEK AT STATE ROUTE 341, NEAR FLINTSTONE, GA.—Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	SPECIFIC CONDUCTANCE (MICRO-MHOS)	PH (UNITS)	TEMPERATURE (DEG C)	OXYGEN, DIS-SOLVED (MG/L)
APR 28...	1030	200	7.6	14.5	9.4

DATE	COLOR (PLAT-INUM COBALT UNITS)	HARDNESS (MG/L AS CAC03)	HARDNESS, NONCARBONATE (MG/L AS CAC03)	ACIDITY TOTAL HEATED (MG/L AS H)	ACIDITY (MG/L AS CAC03)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNESIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM ADSORPTION RATIO	POTASSIUM, DIS-SOLVED (MG/L AS K)	BICARBONATE (MG/L AS HC03)
APR 28...	5	120	17	.0	.0	40	5.7	1.6	3	.1	.9	130

DATE	CARBONATE (MG/L AS C03)	ALKALINITY (MG/L AS CAC03)	CARBON DIOXIDE DIS-SOLVED (MG/L AS C02)	SULFATE DIS-SOLVED (MG/L AS S04)	CHLORIDE, DIS-SOLVED (MG/L AS CL)	FLUORIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SI02)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DIS-SOLVED (MG/L)	SOLIDS, DIS-SOLVED (TONS PER AC-FT)	NITROGEN, NITRATE DIS-SOLVED (MG/L AS N)
APR 28...	0	110	5.2	6.3	1.8	.1	5.5	133	127	.18	.23

DATE	NITROGEN, NITRATE DIS-SOLVED (MG/L AS N03)	NITROGEN, NITRITE DIS-SOLVED (MG/L AS N)	NITROGEN, NITRITE DIS-SOLVED (MG/L AS N02)	NITROGEN, N02+N03 TOTAL (MG/L AS N)	NITROGEN, N02+N03 DIS-SOLVED (MG/L AS N)	NITROGEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITROGEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITROGEN, AMMONIA DIS-SOLVED (MG/L AS NH4)	NITROGEN, AMMONIA DIS-SOLVED (MG/L AS NH4)	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, ORGANIC DIS-SOLVED (MG/L AS N)
APR 28...	1.0	.00	.00	.23	.23	.02	.04	.04	.05	.14	.12

DATE	NITROGEN, KJELDAHL TOTAL (MG/L AS N)	NITROGEN, NH4 + ORG. SUSP. TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N03)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, DIS-SOLVED (MG/L AS P)	PHOSPHORUS, ORTHO, DIS-SOLVED (MG/L AS P)	PHOSPHATE, ORTHO, DIS-SOLVED (MG/L AS P04)	ALUMINUM, DIS-SOLVED (UG/L AS AL)	ARSENIC, DIS-SOLVED (UG/L AS AS)
APR 28...	.16	.00	.16	.39	1.7	.010	.010	.01	.03	80	1

DATE	CADMIUM DIS-SOLVED (UG/L AS CD)	CHROMIUM, DIS-SOLVED (UG/L AS CR)	COPPER, DIS-SOLVED (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, DIS-SOLVED (UG/L AS PB)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MERCURY, DIS-SOLVED (UG/L AS HG)	SELENIUM, DIS-SOLVED (UG/L AS SE)	ZINC, DIS-SOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)
APR 28...	0	10	4	310	40	0	40	.0	0	10	4.2

03568300 CHATTANOOGA CREEK AT STATE ROUTE 341, NEAR FLINTSTONE, GA.—Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)													
DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	PH (UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)								
APR 24...	1200	20	200	7.8	16.0	8.6							
AUG 01...	0930	24	202	7.8	20.5	7.8							
22...	0900	5.1	255	7.8	21.5	7.9							
DATE	HARD- NESS (MG/L AS CACO3)	HARD- NESS, NONCAR- BONATE (MG/L CACO3)	ACIDITY TOTAL HEATED (MG/L AS H)	ACIDITY (MG/L AS CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM+ POTAS- SIUM DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LITY (MG/L AS CACO3)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2)	SULFATE DIS- SOLVED (MG/L AS SO4)	
APR 24...	--	--	.0	.0	--	--	--	--	--	122	--	6.0	
AUG 01...	110	6	.0	.0	36	3.9	1.4	2.3	.9	100	3.1	4.9	
22...	--	--	.0	.0	--	--	--	--	--	120	59	8.8	
DATE	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 CONSTITU- ENTS, DIS- SOLVED (MG/L)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)	SEDI- MENT, SUS- PENDED (MG/L)	SEDI- MENT DIS- CHARGE, SUS- PENDED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM	ALUM- INUM, TOTAL RECOV- ERABLE (UG/L AS AL)	ARSENIC TOTAL (UG/L AS AS)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	
APR 24...	--	--	--	124	--	--	11	.59	100	--	--	--	
AUG 01...	1.7	.0	6.9	134	118	.50	12	.78	100	2200	0	0	
22...	--	--	--	142	--	--	7	.10	100	--	--	--	
DATE	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, SUS- PENDED RECOV- ERABLE (UG/L AS FE)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, SUS- PENDED RECOV. (UG/L AS MN)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	SELE- NIUM, TOTAL (UG/L AS SE)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	
APR 24...	--	--	230	150	80	--	30	10	20	--	--	--	
AUG 01...	<10	5	400	--	--	10	40	--	--	<.5	0	20	
22...	--	--	380	330	50	--	30	10	20	--	--	--	
DATE	ARSENIC TOTAL IN BOT- TOM MA- TERIAL (UG/G AS AS)	CADMIUM RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CD)	CHRO- MIUM, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	COBALT, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CO)	COPPER, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CU)	IRON, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS FE)	LEAD, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS PB)	MANGA- NESE, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	MERCURY RECOV. FM BOT- TOM MA- TERIAL (UG/G AS HG)	SELE- NIUM, TOTAL IN BOT- TOM MA- TERIAL (UG/G)	ZINC, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS ZN)	CARBON, INORG + ORGANIC TOT. IN BOT MAT (G/KG AS C)	
MAY 10...	0	<10	20	<10	<10	9700	10	530	.00	0	10	2.2	
DATE	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						
MAY 10...	2	14	23	31	46	73	100						

TENNESSEE RIVER BASIN

417

03568306 ROCK CREEK AT DURHAM, GA.

LOCATION.--Lat 34°51'37", long 85°25'59", Walker County, Hydrologic Unit 06020001, below State Route 170 at Durham, and 1.5 mi (2.4 km) west of Thompsonville.

DRAINAGE AREA.--0.80 mi² (2.07 km²).

PERIOD OF RECORD.--April 1979 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
APR 25...	1200	6.1	273	6.8	14.0	8.8
AUG 03...	0800	5.7	272	6.9	15.5	9.4
22...	1245	2.0	290	7.0	18.0	9.0

DATE	HARD- NESS (MG/L AS CACO3)	HARD- NESS, NONCAR- BONATE (MG/L CACO3)	ACIDITY TOTAL HEATED (MG/L AS H)	ACIDITY (MG/L AS CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM+ POTAS- SIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LINITY (MG/L AS CACO3)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2)	SULFATE DIS- SOLVED (MG/L AS SO4)
APR 25...	--	--	.0	.0	--	--	--	--	--	16	--	110
AUG 03...	130	100	.0	.0	25	16	3.3	5.2	1.9	26	6.4	110
22...	--	--	.0	.0	--	--	--	--	--	19	37	120

DATE	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)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (MG/L)	SEDI- MENT DIS- CHARGE, SUS- PENDE (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM	ALUM- INUM, TOTAL RECOV- ERABLE (UG/L AS AL)	ARSENIC TOTAL (UG/L AS AS)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)
APR 25...	--	--	--	195	--	--	3	.05	100	--	--	--
AUG 03...	1.0	.1	12	219	186	.27	1	.02	100	310	0	0
22...	--	--	--	240	--	--	3	.02	100	--	--	--

DATE	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, SUS- PENDE RECOV- ERABLE (UG/L AS FE)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, SUS- PENDE RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	SELE- NIUM, TOTAL (UG/L AS SE)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)
APR 25...	--	--	150	110	40	--	190	0	210	--	--	--
AUG 03...	10	8	110	--	--	3	220	--	--	<.5	0	100
22...	--	--	600	550	50	--	320	30	290	--	--	--

TENNESSEE RIVER BASIN

03568310 ROCK CREEK NEAR HINKLE, GA.

LOCATION.--Lat 34°53'29", long 85°24'41", Walker County, Hydrologic Unit 06020001, at bridge on Nickajack Road 1.2 mi (1.9 km) south of Hinkle.

DRAINAGE AREA.--7.40 mi² (19.2 km²).

PERIOD OF RECORD.--August 1976, April 1977, April 1979 to September 1979.

WATER QUALITY DATA, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)						
AUG 26...	1045	1.3	295	6.5	20.0	7.8						
DATE	COLOR (PLAT- INUM COBALT UNITS)	HARD- NESS (MG/L AS CAC03)	HARD- NESS, NONCAR- BONATE (MG/L CAC03)	ACIDITY TOTAL HEATED (MG/L AS H)	ACIDITY (MG/L AS CAC03)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	BICAR- BONATE (MG/L AS HCO3)
AUG 26...	3	140	120	.0	.0	28	17	3.7	5	.1	1.8	20
DATE	CAR- BONATE (MG/L AS CO3)	ALKA- LITY (MG/L AS CAC03)	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 AC-FT)	SOLIDS, DIS- SOLVED (TONS PER DAY)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N)
AUG 26...	0	16	10	130	.7	.2	12	236	204	.32	.83	.05
DATE	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS NO3)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS NO2)	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, AMMONIA DIS- SOLVED (MG/L AS NH4)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC DIS- SOLVED (MG/L AS N)	NITRO- GEN, KJEL- DAHL, TOTAL (MG/L AS N)	NITRO- GEN,NH4 + ORG. SUSP. TOTAL (MG/L AS N)
AUG 26...	.22	.00	.00	.05	.05	.01	.01	.01	.16	.03	.16	.12
DATE	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P)	PHOS- PHORUS, ORTHO, DIS- SOLVED (MG/L AS P)	PHOS- PHATE, ORTHO, DIS- SOLVED (MG/L AS PO4)	ALUM- INUM, DIS- SOLVED (UG/L AS AL)	ARSENIC DIS- SOLVED (UG/L AS AS)	CADMIUM DIS- SOLVED (UG/L AS CD)	
AUG 26...	.04	.21	.93	.000	.000	.00	.00	.00	10	1	0	
DATE	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, DIS- SOLVED (UG/L AS PB)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MERCURY DIS- SOLVED (UG/L AS HG)	ZINC, DIS- SOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C)	
AUG 26...	0	0	90	10	0	60	60	.1	40	5.1	1.8	

03568310 ROCK CREEK NEAR HINKLE, GA.—Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

						SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)							
				STREAM- FLOW, INSTAN- TANEOUS (CFS)				PH (UNITS)		TEMPER- ATURE (DEG C)		OXYGEN, DIS- SOLVED (MG/L)	
DATE		TIME											
APR 21...		1600		9.3		181		6.4		15.5		9.5	

TENNESSEE RIVER BASIN

03568310 ROCK CREEK NEAR HINKLE, GA.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

				STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)				
DATE		TIME				(UNITS)						
APR 25...		1000	13	171	6.7	14.0	8.9					
AUG 01...		1530	11	190	6.9	20.0	8.4					
22...		1315	3.0	265	7.3	19.5	8.9					
DATE	HARD- NESS (MG/L AS CACO3)	HARD- NESS, NONCAR- BONATE (MG/L CACO3)	ACIDITY TOTAL HEATED (MG/L AS H)	ACIDITY (MG/L AS CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM+ POTAS- SIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LINITY (MG/L AS CACO3)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2)	SULFATE DIS- SOLVED (MG/L AS SO4)
APR 25...	--	--	.0	.0	--	--	--	--	--	8	--	65
AUG 01...	81	65	.0	.0	16	10	2.4	3.9	1.5	16	3.9	71
22...	--	--	.0	.0	--	--	--	--	--	17	42	110
DATE	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)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)	SEDI- MENT, SUS- PENDE (MG/L)	SEDI- MENT DIS- CHARGE, SUS- PENDE (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM	ALUM- INUM, TOTAL RECOV- ERABLE (UG/L AS AL)	ARSENIC TOTAL (UG/L AS AS)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)
APR 25...	--	--	--	118	--	--	3	.11	100	--	--	--
AUG 01...	1.1	.1	9.7	214	122	.21	1	.03	100	190	0	1
22...	--	--	--	206	--	--	1	.01	100	--	--	--
DATE	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, SUS- PENDE RECOV- ERABLE (UG/L AS FE)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, SUS- PENDE RECOV. (UG/L AS MN)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	SELE- NIUM, TOTAL (UG/L AS SE)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)
APR 25...	--	--	150	130	20	--	80	0	80	--	--	--
AUG 01...	<10	4	170	--	--	4	120	--	--	<.5	0	70
22...	--	--	320	290	30	--	100	10	90	--	--	--
DATE	NITRO- GEN,NH4 TOTAL IN BOT. MAT. (MG/KG AS N)	ALUM- INUM, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	ARSENIC TOTAL IN BOT- TOM MA- TERIAL (UG/G AS AS)	CADMIUM RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CD)	CHRO- MIUM, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	COBALT, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CO)	COPPER, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CU)	IRON, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS FE)	LEAD, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS PB)	MANGA- NESE, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	MERCURY RECOV. FM BOT- TOM MA- TERIAL (UG/G AS HG)	ZINC, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS ZN)
APR 18...	.0	9000	0	10	20	10	20	22000	10	170	.00	70

03568320 LONG BRANCH NEAR HINKLE, GA.

LOCATION.--Lat 34°53'51", long 85°23'36", Walker County, Hydrologic Unit 06020001, at culvert on Nickajack Road, 0.6 mi (1.0 km) upstream of Rock Creek, and 1.2 mi (1.9 km) south of Hinkle.

DRAINAGE AREA.--3.73 mi² (9.66 km²).

PERIOD OF RECORD.--April 1979 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)						
APR 25...	0915	4.1	27	5.9	14.2	9.1						
AUG 01...	1430	2.9	25	6.2	22.2	7.6						
22...	1415	.18	52	5.7	25.0	8.1						
DATE	HARD- NESS (MG/L AS CACO3)	HARD- NESS, NONCAR- BONATE (MG/L CACO3)	ACIDITY TOTAL HEATED (MG/L AS H)	ACIDITY (MG/L AS CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM+ POTAS- SIUM DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LINITY (MG/L AS CACO3)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2)	SULFATE DIS- SOLVED (MG/L AS SO4)
APR 25...	--	--	.0	.0	--	--	--	--	--	2	--	5.4
AUG 01...	8	6	.0	.0	1.7	.9	1.0	1.5	.5	2	2.5	5.9
22...	--	--	.0	.0	--	--	--	--	--	13	51	9.7
DATE	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)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)	SEDI- MENT, SUS- PENDE (MG/L)	SEDI- MENT DIS- CHARGE, SUS- PENDE (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM	ALUM- INUM, TOTAL RECOV- ERABLE (UG/L AS AL)	ARSENIC TOTAL (UG/L AS AS)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)
APR 25...	--	--	--	24	--	--	5	.06	100	--	--	--
AUG 01...	1.1	.0	5.7	30	18	.07	1	.01	100	80	0	0
22...	--	--	--	31	--	--	7	.00	100	--	--	--
DATE	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, SUS- PENDE RECOV- ERABLE (UG/L AS FE)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, SUS- PENDE RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	SELE- NIUM, TOTAL (UG/L AS SE)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)
APR 25...	--	--	200	170	30	--	10	0	10	--	--	--
AUG 01...	<10	3	110	--	--	4	10	--	--	<.5	0	20
22...	--	--	150	110	40	--	10	10	0	--	--	--

TENNESSEE RIVER BASIN

03568360 ROCK CREEK NEAR FLINTSTONE, GA.

LOCATION.--Lat 34°56'33", long 85°21'25", Walker County, Hydrologic Unit 06020001, adjacent to county road 1.0 mi (1.6 km) west of Flintstone.

DRAINAGE AREA.--22.2 mi² (57.5 km²).

PERIOD OF RECORD.--August 1976, April 1977, April 1979 to September 1979.

WATER QUALITY DATA, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

WATER ANALYSIS REPORT												
DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)						
AUG 26...	0730	1.5	219	6.7	22.0	7.7						
DATE	COLOR (PLAT- INUM COBALT UNITS)	HARD- NESS (MG/L AS CAC03)	HARD- NESS, NONCAR- BONATE (MG/L CAC03)	ACIDITY TOTAL HEATED (MG/L AS H)	ACIDITY (MG/L AS CAC03)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	BICAR- BONATE (MG/L AS HC03)
AUG 26...	0	100	81	.0	.0	22	11	2.9	6	.1	1.6	24
DATE	CAR- BONATE (MG/L AS CO3)	ALKA- LINITY (MG/L AS CAC03)	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 AC-FT)	SOLIDS, DIS- SOLVED (TONS PER DAY)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N)
AUG 26...	0	20	7.7	80	1.1	.1	7.1	190	138	.26	.79	.10
DATE	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS NO3)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS NO2)	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, AMMONIA DIS- SOLVED (MG/L AS NH4)	NITRO- GEN, ORGANIC DIS- SOLVED TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC DIS- SOLVED (MG/L AS N)	NITRO- GEN, KJEL- DAHL, TOTAL (MG/L AS N)	NITRO- GEN, NH4 + ORG. SUSP. TOTAL (MG/L AS N)
AUG 26...	.44	.00	.00	.11	.10	.01	.01	.01	.08	.16	.09	.00
DATE	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P)	PHOS- PHORUS, ORTHO, DIS- SOLVED (MG/L AS P)	PHOS- PHATE, ORTHO, DIS- SOLVED (MG/L AS PO4)	ALUM- INUM, DIS- SOLVED (MG/L AS AL)	ARSENIC DIS- SOLVED (UG/L AS AS)	CADMIUM DIS- SOLVED (UG/L AS CD)	
AUG 26...	.17	.20	.89	.000	.000	.00	.00	.00	10	1	0	
DATE	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, DIS- SOLVED (UG/L AS PB)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MERCURY DIS- SOLVED (UG/L AS HG)	ZINC, DIS- SOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C)	
AUG 26...	0	0	60	0	0	40	10	.0	20	5.1	2.1	

03568360 ROCK CREEK NEAR FLINTSTONE, GA.—Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

						SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)		PH		TEMPER- ATURE (DEG C)		OXYGEN, DIS- SOLVED (MG/L)	
DATE		TIME		STREAM- FLOW, INSTAN- TANEOUS (CFS)									
APR 22...		0945		21		107		7.0		16.0		9.5	
DATE		COLOR (PLAT- INUM COBALT UNITS)	HARD- NESS (MG/L AS CACO3)	HARD- NESS, NONCAR- BONATE (MG/L CACO3)	ACIDITY TOTAL HEATED (MG/L AS H)	ACIDITY (MG/L AS CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	BICAR- BONATE (MG/L AS HCO3)
APR 22...		5	42	29	.0	.0	8.4	5.0	1.6	7	.1	1.3	15
DATE		CAR- BONATE (MG/L AS CO3)	ALKA- LINITY (MG/L AS CACO3)	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 AC-FT)	SOLIDS, DIS- SOLVED (TONS PER DAY)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N)
APR 22...		0	12	2.4	35	1.1	.0	6.4	78	67	.11	4.42	.06
DATE		NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS NO3)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS NO2)	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, AMMONIA DIS- SOLVED (MG/L AS NH4)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC DIS- SOLVED (MG/L AS N)	NITRO- GEN, KJEL- DAHL, TOTAL (MG/L AS N)	
APR 22...		.27	.00	.00	.06	.06	.00	.00	.00	.03	.03	.03	
DATE		NITRO- GEN, NH4 + ORG. SUSP. TOTAL (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC DIS- SOLVED (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	PHOS- PHORUS, ORTHO, DIS- SOLVED (MG/L AS P)	PHOS- PHATE, ORTHO, DIS- SOLVED (MG/L AS PO4)	ALUM- INUM, DIS- SOLVED (UG/L AS AL)	ARSENIC DIS- SOLVED (UG/L AS AS)	CADMIUM DIS- SOLVED (UG/L AS CD)	
APR 22...		.00	.03	.09	.40	.010	.010	.01	.03	140	0	3	
DATE		CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, DIS- SOLVED (UG/L AS PB)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MERCURY DIS- SOLVED (UG/L AS HG)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	ZINC, DIS- SOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	
APR 22...		4	0	90	20	20	20	20	.0	0	10	.0	

TENNESSEE RIVER BASIN

03568360 ROCK CREEK NEAR FLINTSTONE, GA.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)						
APR 24...	1330	31	102	7.0	16.0	9.0						
AUG 01...	1100	24	104	6.9	22.0	8.4						
22...	0745	3.5	208	7.5	22.5	8.4						
DATE	HARD- NESS (MG/L AS CACO3)	HARD- NESS, NONCAR- BONATE (MG/L CACO3)	ACIDITY TOTAL HEATED (MG/L AS H)	ACIDITY (MG/L AS CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM+ POTAS- SIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LINITY (MG/L AS CACO3)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2)	SULFATE DIS- SOLVED (MG/L AS SO4)
APR 24...	--	--	.0	.0	--	--	--	--	--	8	--	35
AUG 01...	41	29	.0	.0	9.1	4.5	1.6	2.5	.9	12	2.9	35
22...	--	--	.0	.0	--	--	--	--	--	18	35	66
DATE	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)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)	SEDI- MENT, SUS- PENDE (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM	ALUM- INUM, TOTAL RECOV- ERABLE (UG/L AS AL)	ARSENIC TOTAL (UG/L AS AS)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)
APR 24...	--	--	--	73	--	--	4	.34	100	--	--	--
AUG 01...	1.6	.0	6.6	71	67	.14	1	.07	100	90	0	0
22...	--	--	--	133	--	--	1	.01	100	--	--	--
DATE	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, SUS- PENDE RECOV- ERABLE (UG/L AS FE)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, SUS- PENDE RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	SELE- NIUM, TOTAL (UG/L AS SE)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)
APR 24...	--	--	130	120	10	--	10	0	10	--	--	--
AUG 01...	<10	3	130	--	--	5	10	--	--	<.5	0	20
22...	--	--	100	80	20	--	10	10	0	--	--	--
DATE	ARSENIC TOTAL IN BOT- TOM MA- TERIAL (UG/G AS AS)	CADMIUM RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CD)	CHRO- MIUM, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	COBALT, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CO)	COPPER, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CU)	IRON, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS FE)	LEAD, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS PB)	MANGA- NESE, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	MERCURY RECOV. FM BOT- TOM MA- TERIAL (UG/G AS HG)	SELE- NIUM, TOTAL IN BOT- TOM MA- TERIAL (UG/G)	ZINC, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS ZN)	CARBON+ INORG. TOT. IN BOT MAT (G/KG AS C)
APR 18...	0	<10	<10	<10	<10	6100	<10	110	.00	0	20	3.8
DATE	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			
APR 18...	0	2	19	60	80	91	96	100	100			

TENNESSEE RIVER BASIN

425

03568500 CHATTANOOGA CREEK NEAR FLINTSTONE, GA.

LOCATION.--Lat 34°58'20", long 85°19'40", Walker County, Hydrologic Unit 06020001, at bridge on Burnt Mill Road, 0.7 mi (1.1 km) from Georgia-Tennessee State Line, and 2.3 mi (3.7 km) north of Flintstone.

DRAINAGE AREA.--50.6 mi² (131 km²).

PERIOD OF RECORD.--April 1979 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)							
APR 24...	1500	68	147	7.2	16.2	7.9							
JUN 07...	0815	118	136	6.8	17.1	8.4							
AUG 01...	1200	64	156	7.7	21.5	6.8							
22...	0630	14	232	7.7	21.5	6.7							
SEP 06...	1500	74	121	7.1	21.7	7.8							

DATE	HARD- NESS (MG/L AS CAC03)	HARD- NESS, NONCAR- BONATE (MG/L CAC03)	ACIDITY TOTAL HEATED (MG/L AS H)	ACIDITY (MG/L AS CAC03)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM+ POTAS- SIUM DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LINITY (MG/L AS CAC03)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2)	SULFATE DIS- SOLVED (MG/L AS SO4)
APR 24...	--	--	.0	.0	--	--	--	--	--	53	--	19
JUN 07...	--	--	.0	.0	--	--	--	--	--	42	--	15
AUG 01...	74	20	.0	.0	23	4.1	2.0	2.9	.9	54	2.1	19
22...	--	--	.0	.0	--	--	--	--	--	85	42	20
SEP 06...	--	--	.0	.0	--	--	--	--	--	43	6.7	14

DATE	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)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)	SEDI- MENT, SUS- PENDED (MG/L)	SEDI- MENT DIS- CHARGE, SUS- PENDED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM	ALUM- INUM, TOTAL RECOV- ERABLE (UG/L AS AL)	ARSENIC TOTAL (UG/L AS AS)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)
APR 24...	--	--	--	96	--	--	11	2.0	100	--	--	--
JUN 07...	--	--	--	85	--	--	18	5.7	--	--	--	--
AUG 01...	2.4	.1	6.5	313	92	.44	--	--	--	220	0	1
22...	--	--	--	133	--	--	14	.58	--	--	--	--
SEP 06...	--	--	--	83	--	--	15	3.0	100	--	--	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, SUS- PENDED RECOV- ERABLE (UG/L AS FE)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, SUS- PENDED RECOV. (UG/L AS MN)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	SELE- NIUM, TOTAL (UG/L AS SE)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)
APR 24...	--	--	310	250	60	--	40	0	40	--	--	--
JUN 07...	--	--	530	500	30	--	60	20	40	--	--	--
AUG 01...	<10	4	470	--	--	8	60	--	--	<.5	0	20
22...	--	--	580	500	80	--	60	20	40	--	--	--
SFP 06...	--	--	480	370	110	--	40	0	60	--	--	--

DATE	NITRO- GEN,NH4 TOTAL IN BOT. MAT. (MG/KG AS N)	ALUM- INUM, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	ARSENIC TOTAL IN BOT- TOM MA- TERIAL (UG/G AS AS)	CADMIUM RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CD)	CHRO- MIUM, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	COBALT, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CO)	COPPER, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CU)	IRON, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS FE)	LEAD, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS PB)	MANGA- NESE, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	MERCURY RECOV. FM BOT- TOM MA- TERIAL (UG/G AS HG)	ZINC, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS ZN)
APR 18...	.0	6600	1	10	20	<10	20	12000	70	380	.00	360

03568745 LOOKOUT CREEK AT SULPHUR SPRINGS, GA.

LOCATION.--Lat 34°41'32", long 85°32'14", Dade County, Hydrologic Unit 06020001, at bridge on county road, 0.4 mi (0.6 km) northeast of Sulphur Springs and 1.5 mi (2.4 km) downstream of confluence of East Fork Lookout Creek and West Fork Lookout Creek.

DRAINAGE AREA.--16.3 mi² (42.2 km²).

PERIOD OF RECORD.--April 1979 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

				TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)			
		DATE										
		MAY 09...		1715	16	200	8.1	20.1	9.3			
		AUG 02...		1245	16	215	8.1	22.8	8.2			
		23...		0945	6.4	228	8.0	21.5	8.1			
DATE	HARD- NESS (MG/L AS CACO3)	HARD- NESS, NONCAR- BONATE (MG/L CACO3)	ACIDITY TOTAL HEATED (MG/L AS H)	ACIDITY (MG/L AS CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM+ POTAS- SIUM DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LINITY (MG/L AS CACO3)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2)	SULFATE DIS- SOLVED (MG/L AS SO4)
MAY 09...	--	--	.0	.0	--	--	--	--	--	105	--	4.3
AUG 02...	120	6	.0	.0	38	5.1	1.3	2.0	.7	110	1.7	4.6
23...	--	--	.0	.0	--	--	--	--	--	120	29	3.9
DATE	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)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)	SEDI- MENT, SUS- PENDED (MG/L)	SEDI- MENT DIS- CHARGE, SUS- PENDED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM	ALUM- INUM, TOTAL RECOV- ERABLE (UG/L AS AL)	ARSENIC TOTAL (UG/L AS AS)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)
MAY 09...	--	--	--	115	--	--	2	.09	100	--	--	--
AUG 02...	1.7	.0	7.3	126	127	.53	--	--	--	130	1	0
23...	--	--	--	134	--	--	7	.12	100	--	--	--
DATE	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, SUS- PENDED RECOV- ERABLE (UG/L AS FE)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, SUS- PENDED RECOV. (UG/L AS MN)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	SELE- NIUM, TOTAL (UG/L AS SE)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)
MAY 09...	--	--	130	130	0	--	10	0	20	--	--	--
AUG 02...	<10	2	310	--	--	4	30	--	--	<.5	0	60
23...	--	--	240	190	50	--	20	10	10	--	--	--
DATE	ALUM- INUM, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	ARSENIC TOTAL IN BOT- TOM MA- TERIAL (UG/G AS AS)	CADMIUM RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CD)	CHRO- MIUM, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	COBALT, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CO)	COPPER, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CU)	IRON, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS FE)	LEAD, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS PB)	MANGA- NESE, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	MERCURY RECOV. FM BOT- TOM MA- TERIAL (UG/G AS HG)	ZINC, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS ZN)	
APR 19...	1700	0	<10	20	<10	<10	10000	10	310	.00	50	

TENNESSEE RIVER BASIN

03568785 LOOKOUT CREEK AT RISING FAWN, GA.

LOCATION.--Lat 34°45'51", long 85°31'37", Dade County, Hydrologic Unit 06020001, at bridge on State Route 189, 0.4 mi (0.6 km) east of Rising Fawn.

DRAINAGE AREA.--68.7 mi² (176 km²).

PERIOD OF RECORD.--May 1979 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)						
MAY												
10...	0700	62	183	7.5	18.5	7.6						
AUG												
02...	1030	88	188	7.9	21.3	7.8						
23...	0845	26	238	7.8	22.0	7.3						
DATE	HARD- NESS (MG/L AS CAC03)	HARD- NESS, NONCAR- BONATE (MG/L CAC03)	ACIDITY TOTAL HEATED (MG/L AS H)	ACIDITY (MG/L AS CAC03)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM+ POTAS- SIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LINITY (MG/L AS CAC03)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2)	SULFATE DIS- SOLVED (MG/L AS SO4)
MAY												
10...	--	--	.0	.0	--	--	--	--	--	90	--	4.4
AUG												
02...	97	8	.0	.0	32	4.1	1.1	2.1	1.0	89	2.2	5.8
23...	--	--	.0	.0	--	--	--	--	--	120	234	4.1
DATE	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DIS- SOLVED (MG/L)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)	SEDI- MENT, DIS- SUS- PENDE (MG/L)	SEDI- MENT DIS- CHARGE, SUS- PENDE (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM	ALUM- INUM, TOTAL RECOV- ERABLE (UG/L AS AL)	ARSENIC TOTAL (UG/L AS AS)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)
MAY												
10...	--	--	--	108	--	--	6	1.0	100	--	--	--
AUG												
02...	2.2	.1	6.2	119	109	.72	--	--	--	390	0	0
23...	--	--	--	132	--	--	11	.78	100	--	--	--
DATE	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, SUS- PENDE RECOV- ERABLE (UG/L AS FE)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, SUS- PENDE RECOV. (UG/L AS MN)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	SELE- NIUM, TOTAL (UG/L AS SE)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)
MAY												
10...	--	--	260	20	240	--	30	0	30	--	--	--
AUG												
02...	<10	4	920	--	--	6	60	--	--	<.5	0	70
23...	--	--	370	320	50	--	40	10	30	--	--	--

03568840 DANIEL CREEK NEAR TRENTON, GA.

LOCATION.--Lat 34°48'58", long 85°29'29", Dade County, Hydrologic Unit 06020001, at culvert on State Route 143, 4.8 mi (7.7 km) south of Trenton.

DRAINAGE AREA.--4.8 mi² (12.4 km²).

PERIOD OF RECORD.--August 1976, April 1977, April 1979 to September 1979.

WATER QUALITY DATA, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)						
AUG 25...	1630	.06	39	7.0	22.0	7.7						
DATE	COLOR (PLAT- INUM COBALT UNITS)	HARD- NESS (MG/L AS CACO3)	HARD- NESS, NONCAR- BONATE (MG/L CACO3)	ACIDITY TOTAL HEATED (MG/L AS H)	ACIDITY (MG/L AS CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	BICAR- BONATE DIS- SOLVED (MG/L AS HCO3)
AUG 25...	2	13	0	.0	.0	4.3	.6	1.7	20	.2	1.3	20
DATE	CAR- BONATE (MG/L AS CO3)	ALKA- LINITY (MG/L AS CACO3)	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 AC-FT)	SOLIDS, DIS- SOLVED (TONS PER DAY)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N)
AUG 25...	0	16	3.2	2.2	2.4	.1	4.8	24	28	.03	.00	.14
DATE	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS NO3)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS NO2)	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, AMMONIA DIS- SOLVED (MG/L AS NH4)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC DIS- SOLVED (MG/L AS N)	NITRO- GEN, KJEL- DAHL TOTAL (MG/L AS N)	NITRO- GEN, NH4 + ORG. SUSP. TOTAL (MG/L AS N)
AUG 25...	.62	.00	.00	.15	.14	.01	.00	.00	.26	.17	.27	.10
DATE	NITRO- GEN, AM- MONIA + ORGANIC DIS- SOLVED (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	PHOS- PHORUS, ORTHOPHOS- PHATE, TOTAL (MG/L AS P)	PHOS- PHORUS, ORTHOPHOS- PHATE, DIS- SOLVED (MG/L AS P)	PHOS- PHATE, ORTHOPHOS- PHATE, DIS- SOLVED (MG/L AS PO4)	ALUM- INUM, DIS- SOLVED (MG/L AS AL)	ARSENIC DIS- SOLVED (MG/L AS AS)	CADMIUM DIS- SOLVED (MG/L AS CD)	
AUG 25...	.17	.42	1.9	.010	.000	.00	.00	.00	10	0	0	
DATE	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, DIS- SOLVED (UG/L AS FF)	LEAD, DIS- SOLVED (UG/L AS PB)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MERCURY, DIS- SOLVED (UG/L AS HG)	ZINC, DIS- SOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C)	
AUG 25...	0	0	190	70	2	40	20	.1	10	5.1	3.1	

TENNESSEE RIVER BASIN

03568840 DANIEL CREEK NEAR TRENTON, GA.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)				
APR 21...	1215	4.4	27	5.8	15.0	9.0				
DATE	COLOR (PLAT- INUM COBALT UNITS)	HARD- NESS (MG/L AS CAC03)	HARD- NESS, NONCAR- BONATE (MG/L CAC03)	ACIDITY TOTAL HEATED (MG/L AS H)	ACIDITY (MG/L AS CAC03)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM AD- SORP- TION RATIO
APR 21...	5	12	0	.0	.0	2.5	1.4	.8	12	.1
DATE	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	BICAR- BONATE (MG/L AS HC03)	CAR- BONATE (MG/L AS C03)	ALKA- LINITY (MG/L AS CAC03)	CARBON DIOXIDE DIS- SOLVED (MG/L AS C02)	SULFATE DIS- SOLVED (MG/L AS S04)	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)
APR 21...	.9	15	0	12	38	4.1	1.7	.0	3.6	24
DATE	SOLIDS, SUM OF CONSTITU- ENTS, DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)	SOLIDS, DIS- SOLVED (TONS PER DAY)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N03)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N02)	NITRO- GEN, N02+N03 TOTAL (MG/L AS N)	NITRO- GEN, N02+N03 DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)
APR 21...	23	.03	.29	.16	.71	.00	.00	.16	.16	.00
DATE	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS NH4)	NITRO- GEN, ORGANIC DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC DIS- SOLVED (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)	PHOS- PHATE, ORTHO, DIS- SOLVED (MG/L AS P04)	ALUM- INUM, DIS- SOLVED (UG/L AS AL)	ARSENIC DIS- SOLVED (UG/L AS AS)
APR 21...	.00	.00	.13	.13	.010	.010	.00	.00	130	0
DATE	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, DIS- SOLVED (UG/L AS PB)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MERCURY DIS- SOLVED (UG/L AS HG)	ZINC, DIS- SOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)
APR 21...	0	5	0	230	40	10	20	.0	0	4.2

TENNESSEE RIVER BASIN

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03568840 DANIEL CREEK NEAR TRENTON, GA.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
APR 25...	1430	5.9	30	5.8	14.5	8.5
AUG 03...	1030	4.5	30	6.2	20.0	8.1
22...	1000	.33	50	5.9	19.5	8.2

DATE	HARD- NESS (MG/L AS CAC03)	HARD- NESS, NONCAR- BONATE (MG/L CAC03)	ACIDITY TOTAL HEATED (MG/L AS H)	ACIDITY (MG/L AS CAC03)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM+ POTAS- SIUM DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LINITY (MG/L AS CAC03)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2)	SULFATE DIS- SOLVED (MG/L AS SO4)
APR 25...	--	--	.0	.0	--	--	--	--	--	3	--	4.8
AUG 03...	10	4	.0	.0	2.9	.7	.9	1.7	.8	6	7.4	4.4
22...	--	--	.0	.0	--	--	--	--	--	12	29	3.2

DATE	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 CONSTITU- ENTS, DIS- SOLVED (MG/L)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)	SEDI- MENT, DIS- SUS- PENDE (MG/L)	SEDI- MENT DIS- CHARGE, SUS- PENDE (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM	ALUM- INUM, TOTAL RECOV- ERABLE (UG/L AS AL)	ARSENIC TOTAL (UG/L AS AS)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)
APR 25...	--	--	--	26	--	--	2	.03	100	--	--	--
AUG 03...	1.7	.0	4.3	31	21	.39	--	--	--	70	0	0
22...	--	--	--	42	--	--	--	--	--	--	--	--

DATE	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, SUS- PENDE RECOV- ERABLE (UG/L AS FE)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, SUS- PENDE RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	SELE- NIUM, TOTAL (UG/L AS SE)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)
APR 25...	--	--	210	170	40	--	20	0	20	--	--	--
AUG 03...	<10	3	330	--	--	4	10	--	--	<.5	0	40
22...	--	--	300	170	130	--	30	20	10	--	--	--

TENNESSEE RIVER BASIN

03568860 BEAR CREEK NEAR DURHAM, GA.

LOCATION.--Lat 34°49'41", long 85°27'33", Dade County, Hydrologic Unit 06020001, at culvert on State Route 157, 4.2 mi (6.8 km) southwest of Durham.

DRAINAGE AREA.--7.98 mi² (20.7 km²).

PERIOD OF RECORD.--August 1976, April 1977, April 1979 to September 1979.

WATER QUALITY DATA, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

						SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)							
				STREAM- FLOW, INSTAN- TANEOUS (CFS)				PH (UNITS)		TEMPER- ATURE (DEG C)		OXYGEN, DIS- SOLVED (MG/L)	
DATE		TIME											
AUG 25...		1800		.08		28		6.5		26.0		7.4	

03568860 BEAR CREEK NEAR DURHAM, GA.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

				STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)			
DATE	TIME										
APR 21...	1300			3.1	22	5.8	16.0	9.3			
DATE	COLOR (PLAT- INUM COBALT UNITS)	HARD- NESS (MG/L AS CACO3)	HARD- NESS, NONCAR- BONATE (MG/L CACO3)	ACIDITY (MG/L AS CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	BICAR- BONATE (MG/L AS HCO3)
APR 21...	5	13	8	.0	3.2	1.3	.7	10	.1	.7	7
DATE	CAR- BONATE (MG/L AS CO3)	ALKA- LINITY (MG/L AS CACO3)	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 AC-FT)	SOLIDS, DIS- SOLVED (TONS PER DAY)
APR 21...	0	6	18	3.8	1.2	.0	3.7	24	18	.03	.20
DATE	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS NO3)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS NO2)	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, AMMONIA DIS- SOLVED (MG/L AS NH4)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC DIS- SOLVED (MG/L AS N)
APR 21...	.05	.20	.00	.00	.05	.05	.00	.00	.00	.07	.06
DATE	NITRO- GEN, KJEL- DAHL, TOTAL (MG/L AS N)	NITRO- GEN, NH4 + ORG. SUSP. TOTAL (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC DIS. (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	PHOS- PHORUS, ORTHO, DIS- SOLVED (MG/L AS P)	PHOS- PHATE, ORTHO, DIS- SOLVED (MG/L AS P04)	CARBON, ORGANIC TOTAL (MG/L AS C)	
APR 21...	.07	.01	.06	.12	.50	.000	.000	.00	.00	3.0	

TENNESSEE RIVER BASIN

03568860 BEAR CREEK NEAR DURHAM, GA.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

				TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)			
DATE												
APR 25...				1330	7.9	26	5.8	14.5	8.7			
AUG 03...				0930	5.8	27	6.3	19.5	8.2			
22...				1130	.40	24	5.3	22.0	7.6			
DATE	HARD- NESS (MG/L AS CAC03)	HARD- NESS, NONCAR- BONATE (MG/L CAC03)	ACIDITY TOTAL HEATED (MG/L AS H)	ACIDITY (MG/L AS CAC03)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM+ POTAS- SIUM DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LINITY (MG/L AS CAC03)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2)	SULFATE DIS- SOLVED (MG/L AS SO4)
APR 25...	--	--	.0	.0	--	--	--	--	--	3	--	4.9
AUG 03...	9	5	.0	.0	2.3	.7	1.0	1.6	.6	4	3.9	5.0
22...	--	--	.0	.0	--	--	--	--	--	15	147	3.8
DATE	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DIS- SOLVED (MG/L)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)	SEDI- MENT, SUS- PENDE (MG/L)	SEDI- MENT CHARGE, SUS- PENDE (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM	ALUM- INUM, TOTAL RECOV- ERABLE (UG/L AS AL)	ARSENIC TOTAL (UG/L AS AS)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)
APR 25...	--	--	--	26	--	--	2	.04	100	--	--	--
AUG 03...	2.0	.0	4.4	42	19	.17	1	.02	100	70	0	0
22...	--	--	--	28	--	--	2	.00	100	--	--	--
DATE	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, SUS- PENDE RECOV- ERABLE (UG/L AS FE)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, SUS- PENDE RECOV. (UG/L AS MN)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	SELE- NIUM, TOTAL (UG/L AS SE)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)
APR 25...	--	--	130	90	40	--	10	0	10	--	--	--
AUG 03...	<10	4	210	--	--	4	10	--	--	<.5	0	30
22...	--	--	300	220	80	--	30	20	10	--	--	--

03568860 BEAR CREEK NEAR DURHAM, GA.—Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	ARSENIC TOTAL IN BOT- TOM MA- TERIAL (UG/G AS AS)	CADMIUM RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CD)	CHRO- MIUM, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	COBALT, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CO)	COPPER, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CU)	IRON, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS FE)	LEAD, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS PB)	MANGA- NESE, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	MERCURY RECOV. FM BOT- TOM MA- TERIAL (UG/G AS HG)	SELE- NIUM, TOTAL IN BOT- TOM MA- TERIAL (UG/G)	ZINC, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS ZN)	CARBON, INORG + ORGANIC TOT. IN BOT MAT (G/KG AS C)
MAY 10...	0	<10	<10	<10	<10	3100	<10	150	.00	0	<10	2.5

DATE	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
MAY 10...	12	82	96	99	100	100	100

TENNESSEE RIVER BASIN

03568920 SQUIRREL TOWN CREEK NEAR NEW ENGLAND, GA.

LOCATION.--Lat 34°55'51", long 85°29'15", Dade County, Hydrologic Unit 06020001, at bridge on Slygo Cove Road, 1.3 mi (2.1 km) north of New England.

DRAINAGE AREA.--3.80 mi² (9.84 km²).

PERIOD OF RECORD.--May 1979 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
MAY 10...	0915	2.7	169	7.8	14.7	10.0
SEP 07...	0800	.57	224	7.5	17.4	8.8

DATE	HARD- NESS (MG/L AS CACO3)	HARD- NESS, NONCAR- BONATE (MG/L CACO3)	ACIDITY TOTAL (MG/L AS H)	ACIDITY (MG/L AS CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM+ POTAS- SIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LINITY (MG/L AS CACO3)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2)	SULFATE DIS- SOLVED (MG/L AS SO4)
MAY 10...	--	--	.0	.0	--	--	--	--	--	84	--	6.5
SEP 07...	120	18	.0	.0	42	3.1	2.1	3.0	.9	100	6.2	9.5

DATE	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DIS- SOLVED (MG/L)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)	SEDI- MENT, SUS- PENDE (MG/L)	SEDI- MENT DIS- CHARGE, SUS- PENDE (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM	ALUM- INUM, TOTAL RECOV- ERABLE (UG/L AS AL)	ARSENIC TOTAL (UG/L AS AS)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)
MAY 10...	--	--	--	107	--	--	1	.01	100	--	--	--
SEP 07...	2.1	.1	7.2	136	128	.22	5	.01	100	0	1	0

DATE	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, SUS- PENDE RECOV- ERABLE (UG/L AS FE)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, SUS- PENDE RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	SELE- NIUM, TOTAL (UG/L AS SE)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)
MAY 10...	--	--	120	120	0	--	0	0	0	--	--	--
SEP 07...	<10	3	180	--	--	2	10	--	--	<.5	0	30

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 (0.8 km) downstream of Squirrel Town Creek and 2.2 mi (3.5 km) southeast of New England.

DRAINAGE AREA.--149 mi² (386 km²).

PERIOD OF RECORD.--April 1979 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

				STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)				
DATE	TIME											
APR 25...	1600			204	179	7.6	16.1	8.6				
JUN 07...	1100			329	167	7.3	17.3	9.0				
AUG 02...	0830			190	183	7.8	21.0	8.2				
AUG 23...	0715			43	267	7.8	23.0	6.7				
SEP 07...	0930			108	216	7.4	20.0	7.5				
DATE	HARD- NESS (MG/L AS CAC03)	HARD- NESS, NONCAR- BONATE (MG/L CAC03)	ACIDITY TOTAL HEATED (MG/L AS H)	ACIDITY (MG/L AS CAC03)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM+ POTAS- SIUM DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LINITY (MG/L AS CAC03)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2)	SULFATE DIS- SOLVED (MG/L AS SO4)
APR 25...	--	--	.0	.0	--	--	--	--	--	68	--	5.6
JUN 07...	--	--	.0	.0	--	--	--	--	--	68	--	7.3
AUG 02...	96	3	.0	.0	32	3.8	1.3	2.1	.8	93	2.9	7.9
AUG 23...	--	--	.0	.0	--	--	--	--	--	120	117	5.7
SEP 07...	--	--	.0	.0	--	--	--	--	--	97	7.5	8.9
DATE	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)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)	SEDI- MENT, SUS- PENDE (MG/L)	SEDI- MENT DIS- CHARGE, SUS- PENDE (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM	ALUM- INUM, TOTAL RECOV- ERABLE (UG/L AS AL)	ARSENIC TOTAL (UG/L AS AS)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)
APR 25...	--	--	--	115	--	--	10	5.5	82	--	--	--
JUN 07...	--	--	--	99	--	--	15	13	100	--	--	--
AUG 02...	2.0	.1	6.4	125	112	.49	--	--	--	170	0	0
AUG 23...	--	--	--	132	--	--	8	.94	100	--	--	--
SEP 07...	--	--	--	134	--	--	15	4.4	100	--	--	--
DATE	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, SUS- PENDE RECOV- ERABLE (UG/L AS FE)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, SUS- PENDE RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	SELE- NIUM, TOTAL (UG/L AS SE)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)
APR 25...	--	--	--	--	--	--	--	--	--	--	--	--
JUN 07...	--	--	450	290	160	--	40	20	20	--	--	--
AUG 02...	20	3	390	--	--	4	30	--	--	<.5	0	30
AUG 23...	--	--	450	420	30	--	40	20	20	--	--	--
SEP 07...	--	--	690	630	60	--	50	10	40	--	--	--
DATE	NITRO- GEN,NH4 TOTAL IN BOT. MAT. (MG/KG AS N)	ALUM- INUM, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	ARSENIC TOTAL IN BOT- TOM MA- TERIAL (UG/G AS AS)	CADMIUM RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CD)	CHRO- MIUM, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	COBALT, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CO)	COPPER, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CU)	IRON, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS FE)	LEAD, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS PB)	MANGA- NESE, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	MERCURY RECOV. FM BOT- TOM MA- TERIAL (UG/G AS HG)	ZINC, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS ZN)
APR 18...	.0	4100	0	10	20	10	10	13000	20	440	.00	60

TENNESSEE RIVER BASIN

03570504 COLE CITY CREEK NEAR SOUTH PITTSBURG, TENN.

LOCATION.--Lat 34°59'11", long 85°35'52", Marion County, Hydrologic Unit 06020001, at bridge on county road, 0.2 mi (0.3 km) from Tennessee-Georgia State Line and 6.6 mi (10.6 km) east of South Pittsburg.

DRAINAGE AREA.--25.6 mi² (66.3 km²).

PERIOD OF RECORD.--April 1979 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

	DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)				
	APR 24...	1800	.36	53	6.0	13.7	8.6				
	ACIDITY TOTAL HEATED (MG/L AS H)	ACIDITY (MG/L AS CACO3)	ALKA- LINITY (MG/L AS CACO3)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2)	SULFATE DIS- SOLVED (MG/L AS SO4)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SEDI- MENT, SUS- PENDED (MG/L)	SEDI- MENT DIS- CHARGE, SUS- PENDED (T/DAY)			
	APR 24...	.0	.0	10	23	9.6	35	3	.00		
	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, SUS- PENDED RECOV- ERABLE (UG/L AS FE)	IRON, DIS- SOLVED (UG/L AS FE)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, SUS- PENDED RECOV. (UG/L AS MN)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)				
	APR 24...	100	150	140	10	10	0	10			
	ALUM- INUM, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	ARSENIC TOTAL IN BOT- TOM MA- TERIAL (UG/G AS AS)	CADMIUM RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CD)	CHRO- MIUM, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	COBALT, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CO)	COPPER, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CU)	IRON, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS FE)	LEAD, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS PB)	MANGA- NESE, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	MERCURY RECOV. FM BOT- TOM MA- TERIAL (UG/G AS HG)	ZINC, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS ZN)
	APR 24...	850	0	<10	<10	<10	2100	<10	40	.00	<10

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 (2.1 km) upstream from Dooley Creek, 1.7 mi (2.7 km) southwest of Ivylog, 2.5 mi (4.0 km) upstream from Georgia-North Carolina State line, and at mile 21.0 (33.8 km). DRAINAGE AREA, 214 mi² (554 km²). PERIOD OF RECORD, January 1942 to current year. GAGE, water-stage recorder. Datum of gage is at mean sea level.

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 (542.54 m), top of flashboards, is 87,900 ft³/s-days (215.1 hm³), of which 81,500 ft³/s-days (199.4 hm³) is controlled storage above elevation 1,690.00 ft (515.11 m), minimum pool. Lake is used for navigation, flood control, and power. Records furnished by Tennessee Valley Authority.

EXTREMES FOR PERIOD OF RECORD: Maximum contents, 94,100 ft³/s-days (230.3 hm³) Apr. 20, 1943, elevation, 1,780.50 ft (542.696 m); maximum elevation, 1,781.47 ft (542.992 m) May 28, 1973; minimum (after first filling), 200 ft³/s-days (0.489 hm³) Oct. 6, 1947, elevation, 1,638.6 ft (499.44 m).

EXTREMES FOR CURRENT YEAR: Maximum contents, 84,300 ft³/s-days (206.2 hm³) June 11, elevation, 1,778.24 ft (542.008 m); minimum, 36,000 ft³/s-days (88.0 hm³) Jan. 10, elevation, 1,743.44 ft (531.401 m).

MONTHEND ELEVATION AND CONTENTS AT 2400, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

Date	Elevation (feet)	Contents (cfs-days)	Change in contents	
			(cfs-days)	(equivalent in cubic feet per second)
Sept. 30.....	1748.20	40600	-	-
Oct. 31.....	1745.09	37500	-3100	-100
Nov. 30.....	1745.77	38200	+700	+23
Dec. 31.....	1744.78	37200	-1000	-32
CAL YR 1978	-	-	-7600	-21
Jan. 31.....	1749.71	42100	+4900	+158
Feb. 28.....	1756.05	49200	+7100	+254
Mar. 31.....	1763.52	59000	+9800	+316
Apr. 30.....	1776.18	80100	+21100	+703
May 31.....	1777.13	82000	+1900	+61
June 30.....	1776.83	81400	-600	-20
July 31.....	1775.66	79100	-2300	-74
Aug. 31.....	1768.47	66400	-12700	-410
Sept. 30.....	1762.71	57800	-8600	-287
WTR YR 1979	-	-	+17200	+47

03558500 BLUE RIDGE LAKE.--Lat 34°52'52", long 84°16'49", Fannin County, Hydrologic Unit 06020003, 400 ft (122 m) upstream from Blue Ridge Dam on Toccoa River, 2.5 mi (4.0 km) northeast of Blue Ridge, and at mile 53.0 (85.3 km). DRAINAGE AREA, 232 mi² (601 km²). 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 sea level, Tennessee Electric Power Co. datum; to convert to datum of 1929, subtract 0.18 ft (0.055 m) from elevations given herein.

Lake is formed by earth dam. Spillway equipped with five taintor gates 15 ft (4.57 m) high by 22 ft (6.71 m) wide. Dam completed and storage began Dec. 6, 1930. Total capacity at elevation 1,691.00 ft (515.42 m), top of gates, is 98,800 ft³/s-days (241.8 hm³), of which 92,800 ft³/s-days (227.1 hm³) is controlled storage above 1,590.00 ft (484.63 m), minimum pool. Lake is used for power and recreation. Records furnished by Tennessee Valley Authority.

EXTREMES FOR PERIOD OF RECORD: Maximum contents recorded, 102,100 ft³/s-days (249.8 hm³) Feb. 11, 1946, elevation, 1,691.54 ft (515.581 m); minimum (after first filling), 6,500 ft³/s-days (15.91 hm³) Jan. 16, 1956, elevation, 1,587.75 ft (483.95 m).

EXTREMES FOR CURRENT YEAR: Maximum contents, 97,500 ft³/s-days (238.4 hm³) June 5, elevation, 1,690.16 ft (515.161 m); minimum, 36,800 ft³/s-days (90.0 hm³) Dec. 22, elevation, 1,643.05 ft (500.802 m).

MONTHEND ELEVATION AND CONTENTS AT 2400, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

Date	Elevation (feet)	Contents (cfs-days)	Change in contents	
			(cfs-days)	(equivalent in cubic feet per second)
Sept. 30.....	1664.07	59200	-	-
Oct. 31.....	1652.40	46000	-13200	-426
Nov. 30.....	1644.55	38200	-7800	-260
Dec. 31.....	1645.38	39000	+800	+26
CAL YR 1978	-	-	-16200	-44
Jan. 31.....	1659.07	53300	+14300	+461
Feb. 28.....	1670.32	67300	+14000	+500
Mar. 31.....	1684.36	88200	+20900	+674
Apr. 30.....	1688.42	94900	+6700	+223
May 31.....	1689.72	96900	+2000	+65
June 30.....	1687.80	93900	-3000	-100
July 31.....	1684.46	88400	-5500	-177
Aug. 31.....	1677.63	77600	-10800	-348
Sept. 30.....	1666.95	62900	-14700	-490
WTR YR 1979	-	-	+3700	+10

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

As the number of streams on which streamflow information is likely to be desired far exceeds the number of stream-gaging stations feasible to operate at one time, the Geological Survey collects limited streamflow data at sites other than stream-gaging stations. When limited streamflow data are collected on a systematic basis over a period of years for use in hydrologic analyses, the site at which the data are collected is called a partial-record station. Data collected at these partial-record stations are useable in low-flow or floodflow analyses, depending on the type of data collected. In addition, discharge measurements and peak flow determinations are made at other sites not included in the partial-record program. These data are generally obtained for droughts or floods to give better areal coverage to those events.

Low-flow partial-record stations

Measurements of streamflow made at low-flow partial-record stations located in the area covered by this report are given in the following table. These measurements were made during periods of base flow when streamflow is primarily from ground-water storage. These measurements when correlated with the discharge of a nearby stream with known low-flow characteristics (usually a continuous-record station) will indicate the low-flow potentiality of the stream. The column headed "period of record" indicates the water years in which measurements were made at the site.

Discharge measurements made at low-flow partial-record stations during water year 1979

Station No.	Station name	Location	Drainage area (mi ²)	Period of record	Measurements	
					Date	Discharge (ft ³ /s)
Savannah River Basin						
02187335	Cedar Creek near Hartwell, Ga.	Lat 34°20'06", long 82°56'26", Hart County, Hydrologic Unit 03060103, at State Route 172, 1 mile south of Hartwell.	2.27	1979	10-18-78	0.88
02187780	Coldwater Creek near Ruckersville, Ga.	Lat 34°12'52", long 82°48'07", Elbert County, Hydrologic Unit 03060103, at State Route 368, 3.5 miles north of Ruckersville.	67.5	1943, 1953, 1955, 1979	10-26-78	27
02189014	Middle Fork Broad River near Homer, Ga.	Lat 34°26'20", long 83°25'38", Banks County, Hydrologic Unit 03060104, at State Route 184, 6.5 miles north of Homer.	45.8	1955, 1979	10-18-78	29
02191225	Hickory Level Creek near Maysville, Ga.	Lat 34°17'27", long 83°31'50", Banks County, Hydrologic Unit 03070104, at State Route 98, 3 miles north of Maysville.	11.3	1943, 1953, 1955, 1979	10-18-78	6.6
02191244	Nails Creek near Carnesville, Ga.	Lat 34°16'32", long 83°16'33", Franklin County, Hydrologic Unit 03060104, at State Route 106, 7 miles south of Carnesville.	47.2	1979	10-18-78	17
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.	17.0	1953, 1955, 1979	10-18-78	2.3
02191740	Big Clouds Creek near Carlton, Ga.	Lat 34°01'14", long 83°04'10", Ogle-thorpe County, Hydrologic Unit 03060104, at county road, 1 mile southwest of Carlton.	47.3	1943, 1953, 1955-56, 1979	10-24-78	17
02191980	Clark Creek near Tignall, Ga.	Lat 33°53'50", long 82°48'45", Wilkes County, Hydrologic Unit 03060104, at county road, 6 miles northwest of Tignall.	42.6	1943, 1953, 1955, 1979	10-14-78	2.1
02192435	Soap Creek near Lincolnton, Ga.	Lat 33°48'57", long 82°29'44", Lincoln County, Hydrologic Unit 03060103, at county road, 2 miles northwest of Lincolnton.	16.7	1974, 1979	10-14-78	.35
02193240	South Fork Little River near Crawfordville, Ga.	Lat 33°37'15", long 82°55'10", Taliaferro County, Hydrologic Unit 03060105, at State Route 22, 4 miles north of Crawfordville.	45.7	1951-53, 1955, 1979	10-13-78	1.6
02193350	Kettle Creek near Washington, Ga.	Lat 33°40'45", long 82°49'55", Wilkes County, Hydrologic Unit 03060105, at State Route 44, 5 miles southwest of Washington.	47.2	1943, 1953, 1955, 1979	10-13-78	4.6
02193780	Hart Creek near Thomson, Ga.	Lat 33°33'45", long 82°35'45", McDuffie County, Hydrologic Unit 03060105, at county road, 8.5 miles north of Thomson.	17.5	1943, 1951, 1953-55, 1979	10-13-78	.26

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES--Continued

Low-flow partial-record stations--Continued						
Station No.	Station name	Location	Drainage area (mi ²)	Period of record	Measurements	
					Date	Discharge (ft ³ /s)
Altamaha River Basin--Continued						
02211270	Troublesome Creek near Griffin, Ga.	Lat 33°18'33", long 84°11'22", Spalding County, Hydrologic Unit 03070103, at State Route 155, 7 miles northeast of Griffin.	16.9	1954, 1979	10-17-78	3.1
02211285	Indian Creek near Locust Grove, Ga.	Lat 33°21'02", long 84°08'28", Henry County, Hydrologic Unit 03070103, at county road, 1 mile west of Locust Grove.	15.2	1951, 1953, 1979	10-17-78	2.1
02211440	Buck Creek near Orchard Hill, Ga.	Lat 33°12'21", long 84°07'46", Spalding County, Hydrologic Unit 03070103, at county road, 5 miles east of Orchard Hill.	16.7	1979	10-17-78	2.0
02211470	Edie Creek near Milner, Ga.	Lat 33°08'39", long 84°08'45", Lamar County, Hydrologic Unit 03070103, at county road, 4 miles northeast of Milner.	7.70	1951, 1953-54, 1979	10-17-78	.26
02212780	Rum Creek near Popes Ferry, Ga.	Lat 32°59'59", long 83°44'16", Monroe County, Hydrologic Unit 03070103, at State Route 87, 1 mile north of Popes Ferry.	74.1	1951, 1955, 1979	10-25-78	3.3
02213450	Little Tobesofkee Creek near Bolingbroke, Ga.	Lat 32°53'58", long 83°53'45", Monroe County, Hydrologic Unit 03070103, at county road, 6 miles southwest of Bolingbroke.	56.2	1966, 1975, 1979	10-14-78	7.0
02213670	Rocky Creek at Macon, Ga.	Lat 32°49'12", long 83°41'33", Bibb County, Hydrologic Unit 03070103, at U.S. Highway 80, at Macon.	37.1	1955, 1975, 1979	10-19-78	.39
02213900	Echeconnee Creek near Culloden, Ga.	Lat 32°51'55", long 83°59'41", Monroe County, Hydrologic Unit 03070103, at State Route 42, 8 miles east of Culloden.	50.2	1953, 1955, 1979	10-14-78	4.5
02214210	Sandy Run Creek near Bonaire, Ga.	Lat 32°34'36", long 83°35'13", Houston County, Hydrologic Unit 03070104, at State Route 247, 2 miles north of Bonaire.	55.9	1979	10-19-78	7.5
02214260	Flat Creek near Bullard, Ga.	Lat 32°36'08", long 83°28'43", Twiggs County, Hydrologic Unit 03070104, at U.S. Highway 129, 3 miles south of Bullard.	36.2	1944, 1955, 1979	10-19-78	25
02214360	Shellstone Creek near Tarversville, Ga.	Lat 32°30'42", long 83°25'24", Twiggs County, Hydrologic Unit 03070104, at U.S. Highway 129, 3 miles south of Tarversville.	28.3	1944, 1955, 1979	10-19-78	.09
02214760	Mule Creek at Powersville, Ga.	Lat 32°36'10", long 83°47'54", Peach County, Hydrologic Unit 03070104, at State Route 49, at Powersville.	18.4	1955, 1979	10-18-78	2.6
02215060	Elko Creek near Elko, Ga.	Lat 32°19'30", long 83°43'32", Houston County, Hydrologic Unit 03070104, at State Route 26, 1 mile southwest of Elko.	15.4	1944, 1979	10-18-78	.06
02215400	Big Horse Creek near Lumber City, Ga.	Lat 31°51'07", long 82°49'37", Telfair County, Hydrologic Unit 03070104, at State Route 117, 10 miles south of Lumber City.	156	1959-62, 1966-68, 1972, 1979	10-16-78	2.9
02216190	Turnpipe Creek near Lumber City, Ga.	Lat 31°57'35", long 82°43'38", Telfair County, Hydrologic Unit 03070104, at U.S. Highway 341, 3 miles north of Lumber City.	172	1979	10-16-78	1.5

Low-flow partial-record stations--Continued

Station No.	Station name	Location	Drainage area (mi ²)	Period of record	Measurements	
					Date	Discharge (ft ³ /s)
Altamaha River Basin--Continued						
02217270	Mulberry River near Flowery Branch, Ga.	Lat 34°07'46", long 83°49'52", Hall County, Hydrologic Unit 03070101, at State Route 211, 10 miles east of Flowery Branch.	43.2	1953, 1955, 1979	10-19-78	12
02217295	Mulberry River near Hoschton, Ga.	Lat 34°03'18", long 83°43'03", Jackson-Barrow County line, Hydrologic Unit 03070101, at State Route 53, 3 miles southeast of Hoschton.	117	1951, 1955, 1979	10-19-78	33
02217542	Barber Creek near Eastville, Ga.	Lat 33°53'32", long 83°30'13", Oconee County, Hydrologic Unit 03070101, at county road, 1 mile north of Eastville.	26.5	1979	10-24-78	8.5
02217550	McNutt Creek near Watkinsville, Ga.	Lat 33°54'34", long 83°24'03", Oconee-Clarke County line, Hydrologic Unit 03070101, at U.S. Highway 441, 3 miles north of Watkinsville.	54.1	1975, 1979	10-24-78	15
02219250	Hard Labor Creek near Madison, Ga.	Lat 33°38'15", long 83°29'24", Morgan County, Hydrologic Unit 03070101, at State Route 83, 4 miles north of Madison.	76.0	1967, 1979	10-23-78	8.4
02220260	Richland Creek near Greensboro, Ga.	Lat 33°36'33", long 83°09'44", Greene County, Hydrologic Unit 03070101, at county road, 2 miles north of Greensboro.	12.4	1956, 1979	10-23-78	.05
02220690	Crooked Creek near Eatonton, Ga.	Lat 33°19'20", long 83°16'32", Putnam County, Hydrologic Unit 03070101, at county road, 7 miles east of Eatonton.	25.8	1974, 1979	10-23-78	1.7
02220850	Big Indian Creek near Madison, Ga.	Lat 33°31'32", long 83°31'28", Morgan County, Hydrologic Unit 03070101, at State Route 83, 6 miles southwest of Madison.	30.2	1943, 1951-52, 1954, 1979	10-23-78	3.1
02221660	Cedar Creek near Monticello, Ga.	Lat 33°12'42", long 83°36'05", Jasper County, Hydrologic Unit 03070101, at county road, 9 miles southeast of Monticello.	20.1	1979	10-25-78	.57
02223050	Town Creek near Milledgeville, Ga.	Lat 32°59'30", long 83°04'25", Baldwin County, Hydrologic Unit 03070102, at State Route 24, 11 miles southeast of Milledgeville.	58.9	1942, 1955, 1979	10-24-78	7.9
02223082	Buffalo Creek near Linton, Ga.	Lat 33°06'27", long 82°57'34", Hancock-Washington County line, Hydrologic Unit 03070102, at county road, 1 mile east of Linton.	92.9	1943, 1951, 1954, 1979	10-26-78	1.8
02223100	Buffalo Creek near Sandersville, Ga.	Lat 32°57'43", long 82°57'35", Washington County, Hydrologic Unit 03070102, at State Route 24, 10 miles west of Sandersville.	248	1959-68, 1970, 1973, 1975, 1979	10-13-78	13
02223145	Commissioner Creek near Gray, Ga.	Lat 32°58'33", long 83°25'19", Jones County, Hydrologic Unit 03070102, at State Route 49, 8 miles southeast of Gray.	36.7	1951, 1953, 1955, 1979	10-25-78	2.7
02223360	Big Sandy Creek near Irwinton, Ga.	Lat 32°45'59", long 83°10'05", Wilkinson County, Hydrologic Unit 03070102, at U.S. Highway 441, 2 miles south of Irwinton.	177	1944, 1979	10-14-78	13
02223850	Turkey Creek at Allentown, Ga.	Lat 32°36'41", long 83°11'26", Wilkinson County, Hydrologic Unit 03070102, at State Route 112, 2 miles north of Allentown.	48.9	1979	10-25-78	2.4
02225127	Ten Mile Creek near Surrency, Ga.	Lat 31°51'53", long 82°10'45", Appling County, Hydrologic Unit 03070106, at county road, 12 miles north of Surrency.	11.4	1979	10-24-78	.20

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES--Continued

Low-flow partial-record stations--Continued						
Station No.	Station name	Location	Drainage area (mi ²)	Period of record	Measurements	
					Date	Discharge (ft ³ /s)
Suwannee River Basin						
02317590	Mud Creek near Valdosta, Ga.	Lat 30°46'40", long 83°10'48", Lowndes County, Hydrologic Unit 03110202, at county road, 6 miles southeast of Valdosta.	77.7	1966, 1979	10-17-78	3.2
02317950	Warrior Creek near Ellenton, Ga.	Lat 31°14'38", long 83°32'11", Colquitt County, Hydrologic Unit 03110204, at county road, 6 miles northeast of Ellenton.	269	1962, 1979	10-17-78	.26
Ochlockonee River Basin						
02328070	Little Tired Creek at Cairo, Ga.	Lat 30°52'38", long 84°11'26", Grady County, Hydrologic Unit 30120002, at U.S. Highway 84, at Cairo.	20.4	1949-50, 1954, 1979	10-17-78	.42
02328140	Maxwell Creek near Cairo, Ga.	Lat 30°48'31", long 84°15'18", Grady County, Hydrologic Unit 03120002, at State Route 111, 5 miles southwest of Cairo.	18.8	1954, 1956, 1979	10-17-78	1.6
Apalachicola River Basin						
02331360	Hazel Creek near Clarksville, Ga.	Lat 34°35'09", long 83°31'07", Habersham County, Hydrologic Unit 03130001, at county road, 1 mile south of Clarksville.	16.8	1954, 1979	10-20-78	11
02333310	Tesnatee Creek near Cleveland, Ga.	Lat 34°35'44", long 83°46'41", White County, Hydrologic Unit 03130001, at U.S. Highway 129, 1 mile north of Cleveland.	9.89	1952, 1954, 1979	10-20-78	5.3
02333800	Cane Creek at Dahlonega, Ga.	Lat 34°31'44", long 84°00'25", Lumpkin County, Hydrologic Unit 03130001, at U.S. Highway 19, at Dahlonega.	21.9	1950-52, 1954, 1979	10-17-78	36
02336860	Gothards Creek near Douglasville, Ga.	Lat 33°47'16", long 84°45'01", Paulding County, Hydrologic Unit 03130002, at State Route 92, 4 miles north of Douglasville.	13.0	1952, 1954, 1979	10-23-78	7.3
02338530	Hillabahatchee Creek near Franklin, Ga.	Lat 33°16'50", long 85°07'10", Heard County, Hydrologic Unit 03130002, at State Route 34, 1 mile west of Franklin.	77.3	1950-52, 1979	10-18-78	21
02338930	Beech Creek near LaGrange, Ga.	Lat 33°05'32", long 84°59'02", Troup County, Hydrologic Unit 03130002, at county road, 3 miles north of LaGrange.	52.9	1952, 1954, 1979	10-18-78	7.6
02339840	Flat Shoal Creek near West Point, Ga.	Lat 32°50'12", long 85°06'57", Harris County, Hydrologic Unit 03130002, at State Route 103, 3 miles southeast of West Point.	211	1979	10-14-78	32
02341542	Flat Rock Creek at Columbus, Ga.	Lat 32°32'57", long 84°53'07", Muscogee County, Hydrologic Unit 03130003, at county road, at Columbus.	6.54	1979	10-19-78	.48
02341600	Juniper Creek near Geneva, Ga.	Lat 32°31'41", long 84°34'14", Talbot-Marion County line, Hydrologic Unit 03130003, at State Route 41, 1.8 miles south of Geneva.	47.4	1943, 1964, 1979	10-26-78	53
02341750	Randall Creek near Upatoi, Ga.	Lat 32°32'52", long 84°46'31", Muscogee County, Hydrologic Unit 03130003, at U.S. Highway 80, 1 miles west of Upatoi.	18.7	1947, 1954, 1979	10-18-78	1.7
02342590	Hichitee Creek near Cusseta, Ga.	Lat 32°16'04", long 84°47'10", Chattahoochee County, Hydrologic Unit 03130003, at U.S. Highway 27, 2 miles south of Cusseta.	15.8	1947, 1954, 1979	10-19-78	5.9
02343208	Hodchodkee Creek at Lumpkin, Ga.	Lat 32°03'04", long 84°46'35", Stewart County, Hydrologic Unit 03130003, at State Route 27, at Lumpkin.	10.7	1952, 1954, 1979	10-18-78	7.2

Low-flow partial-record stations--Continued

Station No.	Station name	Location	Drainage area (mi ²)	Period of record	Measurements	
					Date	Discharge (ft ³ /s)
Apalachicola River Basin--Continued						
02343229	Holanna Creek at Morris, Ga.	Lat 31°47'17", long 84°57'23", Quitman County, Hydrologic Unit 03130003, at State Route 290, at Morris.	41.4	1954, 1973, 1979	10-18-78	15
02343255	Cemocheechobee Creek near Fort Gaines, Ga.	Lat 31°37'29", long 85°02'46", Clay County, Hydrologic Unit 03130004, at State Route 39, at Fort Gaines.	103	1954, 1968, 1979	9-1-79	84
02343270	Kolomoki Creek near Fort Gaines, Ga.	Lat 31°31'15", long 85°01'29", Clay County, Hydrologic Unit 03130004, at State Route 39, 5 miles south of Fort Gaines.	97.5	1954, 1968, 1979	10-18-78 9-1-79	86 101
02343940	Sowhatchee Creek at Cedar Springs, Ga.	Lat 31°10'40", long 85°02'37", Early County, Hydrologic Unit 03130004, at State Route 273, at Cedar Springs.	64.2	1979	10-17-78	15
02344480	Shoal Creek near Griffin, Ga.	Lat 33°15'33", long 84°23'18", Spalding County, Hydrologic Unit 03130005, at county road, 4.5 miles west of Griffin.	20.5	1952, 1954, 1979	10-19-78	3.3
02344620	Shoal Creek near Sharpsburg, Ga.	Lat 33°23'21", long 84°37'24", Coweta County, Hydrologic Unit 03130005, at State Route 54, 4 miles north of Sharpsburg.	24.1	1942, 1952, 1979	10-19-78	1.3
02344752	Line Creek above Haralson, Ga.	Lat 33°15'23", long 84°29'50", Coweta- Spalding County line, Hydrologic Unit 03130005, at State Route 16, 3 miles east of Senoia.	216	1951, 1979	10-19-78	13
02344887	Red Oak Creek near Greenville, Ga.	Lat 33°06'13", long 84°39'59", Meriwether County, Hydrologic Unit 03130005, at State Route 362, 5 miles northeast of Greenville.	41.4	1979	10-18-78	5.1
02346195	Lazar Creek near Talbotton, Ga.	Lat 32°44'33", long 84°33'20", Talbot County, Hydrologic Unit 03130005, at State Route 41, 5 miles north of Talbotton.	81.3	1950, 1951, 1979	10-14-78	21
02346680	Hackasofkee Creek near Talbotton, Ga.	Lat 32°44'14", long 84°21'32", Talbot County, Hydrologic Unit 03130005, at county road, 10 miles east of Talbotton.	47.3	1979	10-14-78	7.0
02347750	Auchumpkee Creek near Roberta, Ga.	Lat 32°44'43", long 84°12'47", Upson County, Hydrologic Unit 03130005, at State Route 22 spur, 11 miles west of Roberta.	45.7	1943, 1954, 1979	10-14-78	1.7
02347850	Ulcovatchee Creek near Roberta, Ga.	Lat 32°45'32", long 84°06'43", Crawford County, Hydrologic Unit 03130005, at U.S. Highway 80, 6 miles west of Roberta.	29.9	1954, 1955, 1979	10-14-78	.54
02348220	Beaver Creek near Roberta, Ga.	Lat 32°39'01", long 84°00'23", Crawford County, Hydrologic Unit 03130005, at county road, 5 miles south of Roberta.	18.8	1955, 1979	10-18-78	15
02348420	Toteover Creek near Ideal, Ga.	Lat 32°26'42", long 84°04'45", Macon County, Hydrologic Unit 03130005, at State Route 128, 7 miles northeast of Ideal.	11.1	1954, 1979	10-18-78	5.3
02349740	Hog Crawl Creek near Montezuma, Ga.	Lat 32°13'02", long 83°59'30", Macon- Dooly County line, Hydrologic Unit 03130006, at county road, 8 miles south of Montezuma.	73.0	1950-51, 1954, 1979	10-18-78	22
02350080	Lime Creek near Cobb, Ga.	Lat 32°02'06", long 83°59'33", Sumter County, Hydrologic Unit 03130006, at county road, 5 miles north of Cobb.	65.4	1954, 1956, 1973, 1979	10-18-78	12

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES--Continued

Low-flow partial-record stations--Continued

Station No.	Station name	Location	Drainage area (mi ²)	Period of record	Measurements	
					Date	Discharge (ft ³ /s)
Apalachicola River Basin--Continued						
02350300	Cedar Creek near Cordele, Ga.	Lat 31°54'47", long 83°51'12", Crisp County, Hydrologic Unit 03130006, at State Route 257, 5 miles south of Cordele.	34.0	1954, 1960-65, 1968, 1972, 1979	10-18-78	2.8
02350527	Mill Creek near Albany, Ga.	Lat 31°40'04", long 83°59'48", Worth County, Hydrologic Unit 03130006, at State Route 257, 10 miles northeast of Albany.	44.0	1979	10-18-78	14
02350572	Kinchafoonee Creek near Buena Vista, Ga.	Lat 32°15'22", long 84°34'41", Marion County, Hydrologic Unit 03130007, at county road, 5 miles southwest of Buena Vista.	52.7	1979	10-18-78	17
02350690	Choctahatchee Creek near Preston, Ga.	Lat 32°02'02", long 84°28'04", Webster County, Hydrologic Unit 03130007, at U.S. Highway 280, 4 miles east of Preston.	35.0	1952, 1979	10-18-78	10
02351500	Muckalee Creek near Americus, Ga.	Lat 32°04'59", long 84°15'29", Sumter County, Hydrologic Unit 03130007, at State Route 30, 1 mile west of Americus.	140	1979	10-18-78	70
02352970	Cooleewahee Creek near Albany, Ga.	Lat 31°30'13", long 84°17'28", Dougherty County, Hydrologic Unit 03130008, at State Route 62, 8 miles west of Albany.	60.1	1954, 1979	10-18-78	.05
02353350	Carter Creek near Carnegie, Ga.	Lat 31°38'12", long 84°43'14", Randolph County, Hydrologic Unit 03130009, at county road, 4 miles east of Carnegie.	51.4	1979	10-18-78	30
Mobile River Basin						
02379980	Rock Creek at Cherry Log, Ga.	Lat 34°46'46", long 84°23'32", Gilmer County, Hydrologic Unit 03150102, at State Route 5, at Cherry Log.	10.7	1950, 1954, 1979	10-18-78	4.3
02381570	Talking Rock Creek at Talking Rock, Ga.	Lat 34°30'40", long 84°30'31", Pickens County, Hydrologic Unit 03150102, at State Route 5, at Talking Rock.	16.6	1954, 1979	10-17-78	5.8
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	10-18-78	12
02386840	Swamp Creek near Dalton, Ga.	Lat 34°40'24", long 84°58'57", Whitfield County, Hydrologic Unit 03150101, at U.S. Highway 41, 5 miles south of Dalton.	12.3	1959, 1966, 1979	10-19-78	.72
02387690	Johns Creek near Curryville, Ga.	Lat 34°26'27", long 85°05'43", Floyd-Gordon County line, Hydrologic Unit 03150103, at State Route 156, 3 miles west of Curryville.	34.3	1954, 1959, 1979	10-20-78	4.8
02394520	Pumpkinvine Creek near Emerson, Ga.	Lat 34°06'53", long 84°47'24", Bartow County, Hydrologic Unit 03150104, at county road, 2 miles west of Emerson.	130	1959, 1979	10-25-78	27
02394850	Fish Creek near Rockmart, Ga.	Lat 34°00'37", long 85°07'11", Polk County, Hydrologic Unit 03150104, at U.S. Highway 278, 4 miles west of Rockmart.	15.5	1954, 1979	10-25-78	.44
02395150	Two Run Creek below Kingston, Ga.	Lat 34°12'54", long 84°58'08", Bartow County, Hydrologic Unit 03150104, at county road, 2 miles southwest of Kingston.	50.0	1954, 1959, 1979	10-25-78	11
02397800	Duck Creek near Linwood, Ga.	Lat 34°39'34", long 85°20'12", Walker County, Hydrologic Unit 03150105, at county road, 3 miles southwest of Linwood.	20.2	1979	10-20-78	.54

Low-flow partial-record stations--Continued

				Measurements		
Station No.	Station name	Location	Drainage area (mi ²)	Period of record	Date	Discharge (ft ³ /s)
Mobile River Basin--Continued						
02398010	Raccoon Creek at Berryton, Ga.	Lat 34°26'25", long 85°22'46", Chattooga County, Hydrologic Unit 03150105, at State Route 114, at Berryton.	26.8	1974, 1979	10-20-78	14
02411940	Walker Creek near Tallapoosa, Ga.	Lat 33°42'25", long 85°16'17", Haralson County, Hydrologic Unit 03150108, at State Route 100, 2 miles south of Tallapoosa.	15.1	1952, 1954, 1979	10-24-78	6.1
02413070	Buck Creek near Carrollton, Ga.	Lat 33°35'31", long 85°07'47", Carroll County, Hydrologic Unit 03150108, at State Route 16, 2 miles east of Carrollton.	29.6	1952, 1954, 1979	10-23-78	7.1
02413240	Turkey Creek near Bowdon, Ga.	Lat 33°33'55", long 85°15'05", Carroll County, Hydrologic Unit 03150108, at State Route 100, 1 mile north of Bowdon.	40.9	1950, 1952, 1954, 1979	10-23-78	7.5

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES--Continued

Discharge measurements made at miscellaneous sites

The following table contains discharge measurements made at sites that are not currently operated as a continuous-record gaging station or low-flow partial-record station. These measurements, made at discontinued gaging stations where low-flow characteristics are known, are primarily used as index discharges to low-flow partial-record stations for correlation purposes. These measurements were made during periods of base flow.

Discharge measurements made at miscellaneous sites during water year 1979

					Measurements	
Station No.	Station name	Location	Drainage area (mi ²)	Period of record	Date	Discharge (ft ³ /s)
Savannah River Basin						
02188500	Beaverdam Creek at Dewy Rose, Ga.	Lat 34°10'52", long 82°56'38", Elbert County, Hydrologic Unit 03060103, at county road, 1 mile northeast of Dewy Rose.	35.8	1943-77‡, 1979	10-24-78	14
02193500	Little River near Washington, Ga.	Lat 33°36'40", long 82°44'40", Wilkes-Taliaferro County line, Hydrologic Unit 03060105, at county road, 9 miles south of Washington.	291	1950-71‡, 1979	10-26-78	13
Altamaha River Basin						
02206500	Yellow River near Snellville, Ga.	Lat 33°51'11", long 84°04'45", Gwinnett County, Hydrologic Unit 03070103, at county road, 3.2 miles west of Snellville.	134	1943-71‡, 1975-79	10-16-78	34
02211300	Towaliga River near Jackson, Ga.	Lat 33°15'50", long 84°04'17", Butts County, Hydrologic Unit 03070103, at State Route 16, 6.5 miles west of Jackson.	a105	1960-71‡, 1973, 1977, 1979	10-17-78	14
02217000	Allen Creek at Talmo, Ga.	Lat 34°11'34", long 83°43'11", Jackson County, Hydrologic Unit 03070101, at U.S. Highway 129, at Talmo.	17.3	1951-71‡, 1979	10-19-78	6.9
02221000	Murder Creek near Monticello, Ga.	Lat 33°24'56", long 83°39'43", Jasper County, Hydrologic Unit 03070101, at State Route 229, 8 miles north of Monticello.	a24	1952-71‡, 1972, 1979	10-23-78	4.1
02224000	Rocky Creek near Dudley, Ga.	Lat 32°29'38", long 83°08'49", Laurens County, Hydrologic Unit 03070102, at county road, 5 miles southwest of Dudley.	62.9	1952-76‡, 1979	10-14-78	1.3
Satilla River Basin						
02227000	Hurricane Creek near Alma, Ga.	Lat 31°34'00", long 82°27'50", Bacon County, Hydrologic Unit 03070201, at U.S. Highway 1, 1.5 miles north of Alma.	150	1952-71‡, 1973-79	10-16-78	0
Suwannee River Basin						
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.	663	1937-76‡, 1978-79	10-16-78	.42
Ochlockonee River Basin						
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.	a550	1938-71‡, 1972-74, 1977-79	10-17-78	14
02328000	Tired Creek near Cairo, Ga.	Lat 30°51'34", long 84°15'46", Grady County, Hydrologic Unit 03120002, at county road, 3 miles west of Cairo.	a60	1943-71‡, 1972-74, 1979	10-17-78	3.9
Apalachicola River Basin						
02331000	Chattahoochee River near Leaf, Ga.	Lat 34°34'37", long 83°38'09", Habersham County, Hydrologic Unit 03130001, at State Route 115, 1.5 miles east of Leaf.	150	1940-71‡, 1979	10-20-78	150

† Operated as a continuous-record gaging station.

a Approximately.

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES--Continued

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Discharge measurements made at miscellaneous sites during water year 1979--Continued

					Measurements	
Station No.	Station name	Location	Drainage area (mi ²)	Period of record	Date	Discharge (ft ³ /s)
Apalachicola River Basin--Continued						
02339000	Yellowjacket Creek near LaGrange, Ga.	Lat 33°05'27", long 85°03'40", Troup County, Hydrologic Unit 03130002, at county road, 4.2 miles northwest of LaGrange.	182	1951-71†, 1979	10-18-78	9.5
02340500	Mountain Oak Creek near Hamilton, Ga.	Lat 32°44'28", long 85°04'08", Harris County, Hydrologic Unit 03130002, at State Route 103, 11 miles west of Hamilton.	61.7	1944-71†, 1979	10-14-78	16
02343200	Pataula Creek near Lumpkin, Ga.	Lat 31°56'03", long 84°48'12", Stewart County, Hydrologic Unit 03130003, at U.S. Highway 27, 8 miles south of Lumpkin.	a70	1950-52, 1954, 1958-71†, 1972, 1979	10-18-78	42
02350600	Kinchafoonee Creek at Preston, Ga.	Lat 32°03'09", long 84°32'54", Webster County, Hydrologic Unit 03130007, at State Route 41, 1 mile southwest of Preston.	197	1952-77†, 1979	10-19-78	76
02353400	Pachitla Creek near Edison, Ga.	Lat 31°33'17", long 84°40'43", Calhoun County, Hydrologic Unit 03130009, at State Route 37, 3.6 miles east of Edison.	188	1951, 1954, 1959-71†, 1973-74, 1979	10-18-78	86
Mobile River Basin						
02379500	Cartecay River near Ellijay, Ga.	Lat 34°40'53", long 84°27'20", Gilmer County, Hydrologic Unit 03150102, at State Route 52, 2 miles southeast of Ellijay.	135	1937-76†, 1979	10-18-78	83
02380000	Rock Creek near Fairmount, Ga.	Lat 34°21'32", long 84°46'46", Bartow County, Hydrologic Unit 03150102, at State Route 140, 7 miles southwest of Fairmount.	5.61	1952-74†, 1979	10-25-78	.56
02394950	Hills Creek near Taylorsville, Ga.	Lat 34°04'27", long 84°57'02", Polk County, Hydrologic Unit 03150104, at county road, 2 miles southwest of Taylorsville.	a26	1959-74†, 1979	10-26-78	1.6
Tennessee River Basin						
03568500	Chattanooga Creek near Flintstone, Ga.	Lat 34°58'20", long 85°19'40", Walker County, Hydrologic Unit 06020001, at county road, 2.3 miles north of Flintstone.	50.6	1951-74†, 1979	10-20-78	4.2

† Operated as a continuous-record gaging station.

a Approximately.

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES--Continued

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

Station No.	Station name	Location	Drainage area (mi ²)	Period of record	Date	Annual maximum	
						Gage height (feet)	Dis-charge (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	1964-79	7-21-79	4.38	133
02191300	Broad River above Carlton, Ga. ^h	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, 1920-79g	4-13-79	23.50	19,700
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	1964-79	2-24-79	5.78	560
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	1959-79	2-24-79	6.27	19
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	1963-79	5-31-79	4.25	268
Ogeechee River Basin							
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	2-28-79	14.41	(+)
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	1965-79	3-4-66 2-25-79	6.70 4.77	c870 322
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	1970-79	3-1-79	13.69	13,800
02201350	Buckhead Creek near Waynesboro, Ga.	Lat 32°58'21", long 82°07'15", Burke County, Hydrologic Unit 03060201, at State Highway 56, 10 miles southwest of Waynesboro.	a64	1963-79	2-27-79	6.81	1,430
02201800	Richardson Creek near Millen, Ga.	Lat 32°43'23", long 81°58'35", Jenkins County, Hydrologic Unit 03060202, at State Highway 67, 6 miles south of Millen.	a43	1963-79	2-26-79	5.05	1,120
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, and 7.5 miles southeast of Millen.	a1,940	1938-71†, 1972-79	3-2-79	10.96	18,000

† Discharge not determined.

‡ Operated as a continuous-record gaging stations.

a Approximately.

c Revised.

g Maximum gage heights computed from graph based on gage readings.

h Published as near Carlton prior to 1918.

Crest-stage partial-record stations--Continued

					Annual maximum		
Station No.	Station name	Location	Drainage area (mi ²)	Period of record	Date	Gage height (feet)	Dis-charge (ft ³ /s)
Ogeechee River Basin--Continued							
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.	194	1970-79	4-1-70	10.43	(+)
					3-26-71	10.75	(+)
					2-3-72	10.07	(+)
					2-4-73	10.14	(+)
					2-17-74	9.59	(+)
					5-3-75	10.42	(+)
					1976	<8.90	(+)
					10-20-76	9.86	(+)
					1-26-78	11.06	(+)
					2-27-79	11.30	(+)
02202900	Fifteen Mile Creek near Metter, Ga.	Lat 32°23'33", long 82°00'55", Candler County, Hydrologic Unit 03060203, at State Highway 46, 2.5 miles east of Metter.	147	1963-79	2-25-79	6.32	1,920
02202910	Ten Mill 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	1965-79	9-26-79	3.48	66
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	1970-79	3-26-70	13.58	7,640
					3-8-71	13.73	7,910
					2-6-72	13.75	7,950
					4-5-73	13.26	7,070
					2-19-74	11.46	4,660
					4-16-75	13.57	7,630
					6-24-76	11.62	4,820
					3-16-77	12.35	5,690
					1-28-78	13.40	7,320
					3-1-79	13.26	7,070
Altamaha River Basin							
02203800	South River at Atlanta, Ga.	Lat 33°40'46", long 84°18'30", DeKalb County, Hydrologic Unit 03070103, at Bouldercrest Drive at Atlanta.	41.5	1951-79	4-13-79	9.36	5,040
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	1974-79	9-1-79	5.42	778
02203850	Shoal Creek at Rainbow Drive near Atlanta, Ga.	Lat 33°42'36", long 84°15'57", DeKalb County, Hydrologic Unit 03070102, at culvert on Rainbow Drive near Atlanta.	7.50	1974-79	9-1-79	5.84	1,350
02203870	Cobbs Creek near Atlanta, Ga.	Lat 33°43'44", long 84°14'17", DeKalb County, Hydrologic Unit 03070103, at culvert on Snapfinger Road, near Atlanta.	3.68	1963-66, 1974-79	9-1-79	5.03	719
02203900	South River near Atlanta, Ga.	Lat 33°39'58", long 84°13'29", DeKalb County, Hydrologic Unit 03070103, on Flakes Mill Road, 8 miles east of Atlanta city limits.	a99	1951-79	4-13-79	17.17	8,820
02204135	Camp Creek tributary near Stockbridge, Ga.	Lat 33°34'35", long 84°08'50", Henry County, Hydrologic Unit 03070103, at culvert on State Route 55, 5 miles northeast of Stockbridge.	.28	1977-79	4-13-79	3.67	13
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†, 1973-79	1-11-77	-	a1,600
					4-13-79	16.61	6,350
02211300	Towaliga River near Jackson, Ga.	Lat 33°15'50", long 84°04'17", Butts County, Hydrologic Unit 03070103, at bridge on State Highway 16, 6.5 miles west of Jackson.	a105	1961-71†, 1972-79	4-4-79	11.52	3,010

† Discharge not determined.

‡ Operated as a continuous-record gaging station.

a Approximately.

c Revised.

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES--Continued

Crest-stage partial-record stations--Continued					Annual maximum		
Station No.	Station name	Location	Drainage area (mi ²)	Period of record	Date	Gage height (feet)	Dis-charge (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	2-24-79	10.47	(+)
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	2-25-79	7.16	(+)
02215000	Ocmulgee River at Hawkinsville, Ga.	Lat 32°16'50", long 83°27'40", Pulaski County, Hydrologic Unit 03070104, at U.S. Highway 341, at Hawkinsville, and at mile 135.1.	a3,800	1877g, 1909-79g	3-1-79	27.9	39,600
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	1965-79	2-24-79	5.31	295
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	1965-79	4-13-79	3.29	492
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	1964-79	2-24-79	8.26	952
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	1978-79	2-24-79	2.12	36
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 441, 2 miles south of Irwinton.	177	1970-79	2-24-79	5.71	2,520
02224500	Oconee River near Mount Vernon, Ga.	Lat 32°11'28", long 82°38'00", Montgomery-Wheeler County line, Hydrologic Unit 03070102, at U.S. Highway 280, 2 miles west of Mount Vernon, at mile 28.7.	a5,110	1936, 1938-55 ‡, 1956-79g	3-2-79	-	a53,000
02225150	Ohoopsee River near Wrightsville, Ga.	Lat 32°42'50", long 82°45'20", Johnson County, Hydrologic Unit 03070107, at U.S. Highway 319, 2.5 miles west of Wrightsville.	a55	1963-79	1-26-79	8.48	1,630
02225250	Little Ohoopsee 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	4-1-70 1-14-72	7.90 7.72	3,700 3,480
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	1965-79	2-24-79	4.01	164
02225350	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	1965-79	5-14-79	3.35	270
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	1966-79	9-27-79	5.95	1,200

† Discharge not determined.

‡ Operated as a continuous-record gaging station.

a Approximately.

g Maximum gage heights computed from graph based on gage readings.

Crest-stage partial-record stations--Continued

					Annual maximum		
Station No.	Station name	Location	Drainage area (mi ²)	Period of record	Date	Gage height (feet)	Dis-charge (ft ³ /s)
Altamaha River Basin--Continued							
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	1966-79	5-15-76 9-27-79	7.83 7.42	664 562
Satilla River Basin							
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	1965-79	2-25-79	4.39	418
02226465	Dryden Creek near Dixie Union, Ga.	Lat 31°20'23", long 82°28'43", Ware County, Hydrologic Unit 03070201, at culvert on county road, 0.7 mile west of Dixie Union.	14.7	1978-79	1-25-78 7-7-79	5.70 5.57	(+) (+)
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.	a49	1966-79	12-4-77 6-19-79	8.10 9.39	560 1,160
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.	150	1952-71†, 1972-79	2-26-79	8.37	3,080
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.	a411	1970-79	5-15-79	13.40	4,870
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	1976-79	5-7-79	2.55	65
02227990	Satilla River tributary No. 2 at Atkinson, Ga.	Lat 31°13'34", long 81°50'52", Brantley County, Hydrologic Unit 03070201, on county road, 0.3 mile north of Atkinson.	.38	1977-79	8-2-78 9-25-79	2.63 2.50	c150 136
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	1966-79	9-26-79	9.06	(+)
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, 1963-79	4-27-79	6.42	712
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	1970-79	3-5-79	18.65	7,580
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	1960-79	2-24-79	4.19	134
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	1970-79	2-27-79	11.77	4,180
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	1965-79	2-24-79	3.12	184

† Discharge not determined.

‡ Operated as a continuous-record gaging station.

a Approximately.

c Revised.

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES--Continued

Crest-stage partial-record stations--Continued

Station No.	Station name	Location	Drainage area (mi ²)	Period of record	Date	Annual maximum	
						Gage height (feet)	Dis- charge (ft ³ /s)
Suwannee River Basin--Continued							
02317780	Lime Sink Creek near Sycamore, Ga.	Lat 31°36'20", long 83°40'31", Turner County, Hydrologic Unit 03110204, at culvert on secondary road 1181, 4.5 miles southwest of Sycamore.	.68	1965-79	2-24-79	4.58	161
02317810	Little River tribu- tary 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	1965-79	2-24-79	2.75	76
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	1966-79	2-27-79	14.45	4,330
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	1963-79	2-7-79	10.87	2,640
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 1978-79	5-30-70 5-3-71 1-14-72 4-26-73 3-12-78 2-28-79	10.8 12.0 12.2 14.1 11.43 13.45	1,440 2,600 2,900 6,200 2,030 4,900
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	1962-79	5-11-79	6.64	1,500
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	1965-79	7-13-79	2.49	214
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 south- west of Meigs.	15.0	1965-75, 1978-79	5-8-78 8-31-79	c5.80 5.82	c1,530 1,550
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	1970-79	2-28-79	22.83	8,680
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	1977-79	5-24-79	2.57	128
02328000	Tired Creek near Cairo, Ga.	Lat 30°51'54", long 84°15'46", Grady County, Hydrologic Unit 03120002, 140 ft upstream from highway bridge, and 3 miles west of Cairo.	a60	1944-71‡, 1972-79	3-10-78 2-26-79	c7.60 11.00	c1,840 8,400
Apalachicola River Basin							
02336080	North Fork Peach- tree 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	1974-79	4-13-79	11.49	2,190
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.	.32	1974-79	8-31-79	8.37	(+)

† Discharge not determined.

‡ Operated as a continuous-record gaging station.

a Approximately.

c Revised.

Crest-stage partial-record stations--Continued

Station No.	Station name	Location	Drainage area (mi ²)	Period of record	Date	Annual maximum	
						Gage height (feet)	Dis- charge (ft ³ /s)
Apalachicola River Basin--Continued							
02336180	South Fork Peach- tree Creek near Decatur, Ga.	Lat 33°48'20", long 84°17'52", DeKalb County, Hydrologic Unit 03130001, at bridge on Willivee Drive, near Decatur.	11.0	1961, 1963-64, 1974-79	4-13-79	10.80	1,170
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	1974-79	4-13-79	4.35	552
02336697	South Utoy Creek tributary No. 1 (prior to 1978 published as South Utoy Creek) at East Point, Ga.	Lat 33°41'51", long 84°27'33", Fulton County, Hydrologic Unit 03130002, at culvert on Woodberry Avenue, at East Point.	.21	1974-79	4-13-79	4.14	122
02336705	South Utoy Creek at Atlanta, Ga.	Lat 33°42'57", long 84°28'41", Fulton County, Hydrologic Unit 03130002, at culvert on Adams Drive, at Atlanta.	8.80	1974-79	4-13-79	7.45	2,600
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.	.33	1977-79	4-13-79	7.39	170
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	1977-79	4-4-79	5.68	639
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	1977-79	5-19-79	5.16	119
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	1977-79	4-13-79	6.26	500
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	1963-79	2-27-79	7.90	1,180
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	2-24-79	5.64	(+)
02341900	Ochillee Creek near Cusseta, Ga.	Lat 32°21'53", long 84°49'02", Chatta- hoochee County, Hydrologic Unit 03130003, at Hourglass Road, 5 miles northwest of Cusseta.	53.3	1979	2-25-79	11.29	(+)
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	1977-79	2-24-79	2.28	161
02343267	Temple Creek near Blakely, Ga.	Lat 31°26'34", long 84°59'00", Early County, Hydrologic Unit 03130004, at culvert on State Route 39, 5.2 miles north of Blakely.	2.78	1978-79	1-26-78 2-25-79	2.20 1.94	125 85
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	1969-79	3-22-77 1-25-78 4-4-79	c6.38 c6.89 6.33	c667 c868 652
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	1969-79	2-24-79	4.28	(+)

+ Discharge not determined.
c Revised.

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES--Continued

Crest-stage partial-record stations--Continued							
Station No.	Station name	Location	Drainage area (mi ²)	Period of record	Annual maximum		
					Date	Gage height (feet)	Dis-charge (ft ³ /s)
Apalachicola River Basin--Continued							
02346217	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	1969-79	9-30-76 8-3-77 1-25-78 2-24-79	c3.75 c3.09 c2.74 1.55	c702 c531 c433 122
02348300	Patsiliga Creek near Reynolds, Ga.	Lat 32°34'20, long 84°05'27", Taylor County, Hydrologic Unit 03130005, at State Highway 128, 1 mile north of Reynolds.	139	1963-79	6-1-79	8.37	2,800
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 south-west of Butler.	17.3	1979	2-24-79	7.02	(+)
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	1979	2-24-79	4.72	(+)
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	1977-79	2-25-79	3.75	78
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	2-25-79	7.83	(+)
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	1977-79	6-8-79	5.89	158
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	1977-79	3-21-77 4-12-78 2-25-79	1.83 2.10 2.31	48 62 72
02351500	Muckalee Creek near Americus, Ga.	Lat 32°04'59", long 84°15'29", Sumter County, Hydrologic Unit 03130007, at State Highway 30, 1 mile west of Americus.	140	1963-79	2-27-79	9.10	3,020
02353100	Ichawaynochaway Creek near Dawson, Ga.	Lat 31°46'18", long 84°33'45", Terrell County, Hydrologic Unit 03130009, at State Highway 50, 7 miles west of Dawson.	118	1963-79	2-27-79	8.79	2,120
02354500	Chickasawhatchee Creek at Elmodel, Ga.	Lat 31°21'09", long 84°29'10", Baker County, Hydrologic Unit 03130009, at bridge on State Highway 37 at Elmodel, and 2 miles upstream from mouth.	a320	1940-49†, 1952-65, 1970-79	3-9-79	10.43	2,600
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	1951-65, 1970-73, 1975-79	4-11-75 3-15-76 11-30-76 1-26-78 2-27-79	8.40 7.02 7.80 9.15 7.85	c3,750 c720 c1,750 c4,880 1,850
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	1966-79	3-4-79	4.63	263

† Discharge not determined.

‡ Operated as a continuous-record gaging station

a Approximately.

c Revised.

Crest-stage partial-record stations--Continued

Station No.	Station name	Location	Drainage area (mi ²)	Period of record	Date	Annual maximum	
						Gage height (feet)	Dis- charge (ft ³ /s)
		Mobile River Basin--Continued					
02384500	Conasauga River near Eton, Ga.	Lat 34°49'40", long 84°51'03", Murray- Whitfield County line, Hydrologic Unit 03150101, at State Highway 286, 5 miles west of Eton.	253	1954-58, 1963-79	3-4-79	12.29	11,200
02384600	Mill Creek tribu- tary 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	1965-79	7-25-79	7.25	940
02387300	Dead Mans Branch near Resaca, Ga.	Lat 34°35'44", long 84°52'11", Gordon County, Hydrologic Unit 03150101, at culvert on State Highway 225, 4.2 miles east of Resaca.	.17	1965-79	3-4-79	5.69	149
02388200	Storey Mill Creek (prior to 1974 published as Moss Creek tributary) near Summerville, Ga.	Lat 34°25'39", long 85°16'03", Chattooga County, Hydrologic Unit 03150103, at culvert on county road, 6 miles south- east of Summerville.	6.02	1966-79	3-4-79	9.58	1,730
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	1978-79	3-4-79	4.20	295
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	1978-79	4-13-79	5.51	107

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES--Continued

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)	Dis-charge (ft ³ /s)
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†, 1972-79	1-25-78 3-4-79	9.21 9.66	d7,290 d7,930
Mobile River Basin							
02338775	Yellowjacket Creek at Hogansville, Ga.	Lat 33°10'59", long 84°54'56", Meriwether County, Hydrologic Unit 03130002, at bridge on State Highway 100, at Hogansville.	42.5	1961, 1967, 1967-74++	2-25-61 1967 3-12-68 4-18-69 7-5-70 3-3-71 1-10-72 2-2-73 1974	25.6 - 10.75 7.30 9.48 13.47 13.78 11.77 -	d(+) d<850 d1,580 d640 d1,190 d2,780 d2,970 d1,960 d<850
02379500	Cartecay River near Ellijay, Ga.	Lat 34°40'53", long 84°27'20", Gilmer County, Hydrologic Unit 03150102, on right bank adjacent to State Highway 52, 2 miles southeast of Ellijay.	135	1938-76†, 1977-79	11-5-77 3-4-79	5.90 9.75	d3,620 d10,400
02382000	Scarecorn Creek at Hinton, Ga.	Lat 34°28'04", long 84°35'30", Pickens County, Hydrologic Unit 03150102, 100 ft upstream from bridge on State Highway 53, 0.2 mile west of Hinton.	21.1	1940-42†, 1960-74†, 1979	3-4-79	9.85	d2,000
02382800	Dry Creek at Oakman, Ga.	Lat 34°33'13", long 84°42'27", Gordon County, Hydrologic Unit 03150102, at culvert on U.S. Highway 411, 0.8 mile south of Oakman.	3.06	1965-74++†, 1977, 1979	3-4-79	5.20	d900
02385700	Rock Creek near Chatsworth, Ga.	Lat 34°46'33", long 84°44'33", Murray County, Hydrologic Unit 03150101, at culvert on secondary road 2321, 1.5 miles northeast of Chatsworth.	3.46	1965-74++†, 1979	3-4-79	5.63	d750
02387100	Polecat Creek near Spring Place, Ga.	Lat 34°39'08", long 84°50'33", Murray County, Hydrologic Unit 03150101, at culvert on State Highway 225, 7.5 miles south of Spring Place.	1.22	1964-74++†, 1977, 1979	3-4-79	7.02	d703
02387200	Beamer Creek near Spring Place, Ga.	Lat 34°38'03", long 84°51'52", Murray County, Hydrologic Unit 03150101, at culvert on State Highway 225, 8.8 miles south of Spring Place.	1.29	1964-74++†, 1977, 1979	3-4-79	5.20	d670
02387560	Oothkalooga Creek tributary at Adairsville, Ga.	Lat 34°21'34", long 84°55'20", Bartow County, Hydrologic Unit 03150103, at culvert on U.S. Highway 41, 1 mile south of Adairsville.	3.56	1965-74++†, 1977, 1979	3-4-79	7.80	d1,850
02387700	Rocky Creek at Curryville, Ga.	Lat 32°26'44", long 84°55'20", Gordon County, Hydrologic Unit 03150103, at culvert on State Highway 156, 0.4 mile west of Curryville.	9.41	1965-74++†, 1977, 1979	3-4-79	6.54	d2,200
02388400	Dozier Creek near Shannon, Ga.	Lat 34°18'53", long 85°05'43", Floyd County, Hydrologic Unit 03150103, at culvert on State Highway 53, 2 miles southwest of Shannon.	3.00	1965-74++†, 1977, 1979	3-4-79	5.80	d1,160
02394950	Hills Creek near Taylorsville, Ga.	Lat 34°04'27", long 84°57'02", Polk County, Hydrologic Unit 03150104, at bridge on county road, 2 miles south-east of Taylorsville, and 2 miles upstream from mouth.	a26	1960-74†, 1977, 1979	3-4-79	11.18	d7,500

† Discharge not determined

‡ Operated as a continuous-record gaging station.

†† Operated as a crest-stage partial-record station.

a Approximately.

d Annual maximum.

MOBILE RIVER BASIN

02398534 - HALE BRANCH AT COVE ROAD NEAR CLOUDLAND, GA.

WATER QUALITY DATA

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM COBALT UNITS)	TUR- BID- ITY (JTU)	OXYGEN, DIS- SOLVED (MG/L)	HARD- NESS (MG/L AS CAC03)	HARD- NESS, NONCAR- BONATE (MG/L CAC03)	ACIDITY TOTAL HEATED (MG/L AS H)
SEP , 1976											
09...	1115	.19	50	5.9	23.0	160	40	7.0	13	0	.0
APR , 1977											
28...	1545	.64	46	6.3	17.5	30	--	9.6	14	9	.0

DATE	ACIDITY (MG/L AS CAC03)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	BICAR- BONATE (MG/L AS HC03)	CAR- BONATE (MG/L AS C03)	ALKA- LINITY (MG/L AS CAC03)	CARBON DIOXIDE DIS- SOLVED (MG/L AS C02)
SEP , 1976											
09...	.0	4.0	.7	1.0	13	.1	1.0	17	0	14	34
APR , 1977											
28...	.0	3.1	1.4	1.0	12	.1	1.4	5	0	4	4.0

DATE	SULFATE DIS- SOLVED (MG/L AS S04)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SI02)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)	SOLIDS, DIS- SOLVED (TONS PER DAY)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N03)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N)
SEP , 1976											
09...	1.0	1.9	.2	3.5	40	23	.05	.02	.01	.04	.00
APR , 1977											
28...	3.3	1.9	.0	3.6	38	27	.05	--	1.5	6.6	.01

DATE	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N02)	NITRO- GEN, N02+N03 TOTAL (MG/L AS N)	NITRO- GEN, N02+N03 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, AMMONIA TOTAL (MG/L AS NH4)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS NH4)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC DIS- SOLVED (MG/L AS N)	NITRO- GEN, KJEL- DAHL TOTAL (MG/L AS N)	NITRO- GEN+NH4 + ORG. SUSP. TOTAL (MG/L AS N)
SEP , 1976											
09...	.00	.01	.01	.33	.33	--	.43	.30	.20	.63	.10
APR , 1977											
28...	.03	1.5	1.5	.39	--	.55	--	.33	--	.72	.02

DATE	NITRO- GEN+AM- MONIA + ORGANIC DIS. (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N03)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P)	PHOS- PHORUS, ORTHO, DIS- SOLVED (MG/L AS P)	PHOS- PHATE, ORTHO, DIS- SOLVED (MG/L AS P04)	ALUM- INUM, DIS- SOLVED (MG/L AS AL)	ARSENIC DIS- SOLVED (MG/L AS AS)	CADMIUM DIS- SOLVED (UG/L AS CD)
SEP , 1976											
09...	.53	.64	2.8	.010	.000	.00	.00	.00	20	0	0
APR , 1977											
28...	.70	2.2	9.8	.000	.000	--	.00	.00	60	1	0

DATE	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, DIS- SOLVED (UG/L AS PB)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MERCURY DIS- SOLVED (UG/L AS HG)	ZINC, DIS- SOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C)
SEP , 1976											
09...	0	0	9400	80	6	540	530	.1	0	3.6	3.6
APR , 1977											
28...	8	3	2300	570	24	300	300	.0	30	6.6	--

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

MOBILE RIVER BASIN--Continued

02398610 - EAST FORK LITTLE RIVER ABOVE CLOUDLAND, GA.

WATER QUALITY DATA

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM COBALT UNITS)	TURBIDITY (JTU)	HARDNESS (MG/L AS CAC03)	HARDNESS, NONCARBONATE (MG/L AS CAC03)	ACIDITY TOTAL HEATED (MG/L AS H)	ACIDITY (MG/L AS CAC03)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNESIUM, DIS-SOLVED (MG/L AS MG)	
SEP , 1976	08...	1300	34	6.5	30	7	14	0	.0	.0	4.0	1.0

DATE	SODIUM, DIS-SOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM ADSORPTION RATIO	POTASSIUM, DIS-SOLVED (MG/L AS K)	BICARBONATE (MG/L AS HC03)	CARBONATE (MG/L AS C03)	ALKALINITY (MG/L AS CAC03)	CARBON DIOXIDE DIS-SOLVED (MG/L AS C02)	SULFATE DIS-SOLVED (MG/L AS S04)	CHLORIDE, DIS-SOLVED (MG/L AS CL)	
SEP , 1976	08...	1.3	15	.2	1.2	17	0	14	8.6	3.4	1.6

DATE	FLUORIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SI02)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DIS-SOLVED (MG/L)	SOLIDS, DIS-SOLVED (TONS PER AC-FT)	NITROGEN, NITRATE DIS-SOLVED (MG/L AS N)	NITROGEN, NITRATE DIS-SOLVED (MG/L AS N03)	NITROGEN, NITRITE DIS-SOLVED (MG/L AS N)	NITROGEN, NITRITE DIS-SOLVED (MG/L AS N02)	NITROGEN, NO2+N03 TOTAL (MG/L AS N)	
SEP , 1976	08...	.3	3.1	26	25	.04	.02	.09	.00	.00	.02

DATE	NITROGEN, NO2+N03 DIS-SOLVED (MG/L AS N)	NITROGEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITROGEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITROGEN, AMMONIA DIS-SOLVED (MG/L AS NH4)	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, ORGANIC DIS-SOLVED (MG/L AS N)	NITROGEN, KJELDAHL, TOTAL (MG/L AS N)	NITROGEN, NH4 + ORG. SUSP. TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC DIS-SOLVED (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	
SEP , 1976	08...	.02	.04	.04	.05	.15	.15	.19	.00	.19	.21

DATE	NITROGEN, TOTAL (MG/L AS N03)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, DIS-SOLVED (MG/L AS P)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P)	PHOSPHORUS, ORTHO, DIS-SOLVED (MG/L AS P)	PHOSPHATE, ORTHO, DIS-SOLVED (MG/L AS P04)	ALUMINUM, DIS-SOLVED (UG/L AS AL)	ARSENIC, DIS-SOLVED (UG/L AS AS)	CADMIUM, DIS-SOLVED (UG/L AS CD)	CHROMIUM, DIS-SOLVED (UG/L AS CR)	
SEP , 1976	08...	.80	.000	.000	.00	.00	.00	30	0	0	0

DATE	COPPER, DIS-SOLVED (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, DIS-SOLVED (UG/L AS PB)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MANGANESE, DIS-SOLVED (UG/L AS MN)	MERCURY, DIS-SOLVED (UG/L AS HG)	ZINC, DIS-SOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C)	
SEP , 1976	08...	0	880	260	6	120	120	.1	0	2.2	2.2

TENNESSEE RIVER BASIN

03567130 - MILL CR NR CEDAR GROVE,GA

WATER QUALITY DATA

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM COBALT UNITS)	TUR- BID- ITY (JTU)	OXYGEN, DIS- SOLVED (MG/L)	HARD- NESS (MG/L AS CACO3)	HARD- NESS, NONCAR- BONATE (MG/L CACO3)	ACIDITY TOTAL HEATED (MG/L AS H)
SEP , 1976											
08...	0930	1.2	220	7.2	17.0	0	2	8.6	120	9	.0
APR , 1977											
28...	1400	7.0	140	8.0	17.0	5	--	10.1	82	12	.0

DATE	ACIDITY (MG/L AS CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	BICAR- BONATE (MG/L AS HCO3)	CAR- BONATE (MG/L AS CO3)	ALKA- LINITY (MG/L AS CACO3)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2)
SEP , 1976											
08...	.0	44	2.9	1.1	2	.0	.7	137	0	112	14
APR , 1977											
28...	.0	29	2.3	1.0	3	.0	.6	85	0	70	1.4

DATE	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)	SOLIDS, DIS- SOLVED (TONS PER DAY)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS NO3)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N)
SEP , 1976											
08...	3.7	1.3	.3	6.7	140	129	.19	.47	.13	.58	.00
APR , 1977											
28...	2.3	1.6	.0	5.3	99	85	.13	--	.08	.35	.00

DATE	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS NO2)	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, AMMONIA TOTAL (MG/L AS NH4)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS NH4)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC DIS- SOLVED (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN+NH4 + ORG. SUSP. TOTAL (MG/L AS N)
SEP , 1976											
08...	.00	.13	.13	.01	.01	--	.01	.22	.20	.23	.02
APR , 1977											
28...	.00	.10	.08	.01	.01	.02	.01	.08	.07	.09	.01

DATE	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	PHOS- PHORUS, ORTH0. TOTAL (MG/L AS P)	PHOS- PHORUS, ORTH0. DIS- SOLVED (MG/L AS P)	PHOS- PHATE, ORTH0, DIS- SOLVED (MG/L AS PO4)	ALUM- INUM, DIS- SOLVED (MG/L AS AL)	ARSENIC DIS- SOLVED (MG/L AS AS)	CADMIUM DIS- SOLVED (MG/L AS CD)
SEP , 1976											
08...	.21	.36	1.6	.010	.000	.00	.00	.00	20	0	0
APR , 1977											
28...	.08	.19	.84	.000	.000	--	.00	.00	50	1	0

DATE	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, DIS- SOLVED (UG/L AS PB)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MERCURY DIS- SOLVED (UG/L AS HG)	ZINC, DIS- SOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C)
SEP , 1976											
08...	0	0	250	80	4	40	40	.1	10	1.1	1.0
APR , 1977											
28...	11	0	270	50	24	30	30	.0	0	4.5	--

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

TENNESSEE RIVER BASIN--Continued

03567177 - MILL CR AT SR 193 AT CASSANDRA,GA

WATER QUALITY DATA

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM COBALT UNITS)	OXYGEN, DIS- SOLVED (MG/L)	HARD- NESS (MG/L AS CAC03)	HARD- NESS, NONCAR- BONATE (MG/L CAC03)	ACIDITY TOTAL HEATED (MG/L AS H)	ACIDITY (MG/L AS CAC03)
AUG , 1976											
26...	1315	.55	229	7.8	22.5	0	--	130	9	.0	.0
APR , 1977											
28...	1230	2.3	213	7.8	17.0	5	9.1	120	12	.0	.0

DATE	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	BICAR- BONATE (MG/L AS HCO3)	CAR- BONATE (MG/L AS CO3)	ALKA- LINITY (MG/L AS CACO3)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2)	SULFATE DIS- SOLVED (MG/L AS SO4)
AUG , 1976											
26...	42	5.1	1.3	2	.1	.8	143	0	117	3.6	4.5
APR , 1977											
28...	40	4.5	1.1	2	.0	.7	130	0	110	3.3	3.5

DATE		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 AC-FT)	SOLIDS, DIS- SOLVED (TONS PER DAY)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N03)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N02)
AUG , 1976												
26...	1.7		.1	5.2	166	132	.23	.25	.17	.75	.00	.00
APR , 1977												
28...	2.0		.1	5.2	131	122	.18	--	.13	.58	.00	.00

	NITRO- GEN, N02+N03 TOTAL (MG/L AS N)	NITRO- GEN, N02+N03 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, AMMONIA TOTAL (MG/L AS NH4)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS NH4)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC DIS- SOLVED (MG/L AS N)	NITRO- GEN, NH4 + ORG. SUSP. TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N)	
AUG . 1976											
26...	.18	.17	.01	.01	--	.01	.19	.15	.20	.04	.16
APR , 1977											
28...	.14	.13	.01	.01	.02	.01	.21	.21	.22	.00	.22

	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	PHOS- PHORUS, ORTH0. TOTAL (MG/L AS P)	PHOS- PHORUS, ORTH0. DIS- SOLVED (MG/L AS P)	PHOS- PHATE, ORTH0. DIS- SOLVED (MG/L AS P04)	ALUM- INUM, DIS- SOLVED (UG/L AS AL)	ARSENIC DIS- SOLVED (UG/L AS AS)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)
AUG , 1976											
26...	.38	1.7	.000	.000	.00	.00	.00	0	1	0	0
APR , 1977											
28...	.36	1.5	.010	.000	--	.00	.00	60	1	0	9

DATE		COPPER, DIS- SOLVED (UG/L AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, DIS- SOLVED (UG/L AS PB)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MERCURY DIS- SOLVED (UG/L AS HG)	ZINC, DIS- SOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C)
AUG , 1976											
26...	0		140	0	0	50	30	.1	0	3.8	2.6
APR , 1977											
28...	0		380	10	25	60	40	.0	0	3.7	--

TENNESSEE RIVER BASIN--Continued

03568304 - ROCK CR AT SR 170 NR DURHAM,GA

WATER QUALITY DATA

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM COBALT UNITS)	TUR- BID- ITY (JTU)	OXYGEN, DIS- SOLVED (MG/L)	HARD- NESS (MG/L AS CACO3)	HARD- NESS, NONCAR- BONATE (MG/L CACO3)	ACIDITY TOTAL HEATED (MG/L AS H)
SEP , 1976											
07...	1515	.66	300	7.2	16.0	0	2	8.8	150	120	.0
APR , 1977											
21...	1500	3.7	267	6.6	14.5	0	--	9.8	120	100	.0

DATE	ACIDITY (MG/L AS CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	BICAR- BONATE (MG/L AS HCO3)	CAR- BONATE (MG/L AS CO3)	ALKA- LITY (MG/L AS CACO3)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2)
SEP , 1976											
07...	.0	29	19	3.5	5	.1	1.9	32	0	26	3.2
APR , 1977											
21...	.0	24	15	3.1	5	.1	2.0	27	0	22	11

DATE	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLOR- IDE, DIS- SOLVED (MG/L AS CL)	FLUOR- IDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C SOLVED (MG/L)	SOLIDS, SUM OF CONSTITU- ENTS, DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)	SOLIDS, DIS- SOLVED (TONS PER DAY)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS NO3)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N)
SEP , 1976											
07...	120	.8	.4	10	222	201	.30	.40	.11	.49	.00
APR , 1977											
21...	100	.9	.1	10	194	170	.26	1.94	.17	.75	.00

DATE	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS NO2)	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 SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS NH4)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC DIS- SOLVED (MG/L AS N)	NITRO- GEN, + ORG. SUSP. TOTAL (MG/L AS N)	NITRO- GEN, NH4 + ORG. SUSP. TOTAL (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC DIS- SOLVED (MG/L AS N)
SEP , 1976											
07...	.00	.11	.11	.01	.01	.01	.03	.04	.03	.00	.04
APR , 1977											
21...	.00	.17	.17	.00	.00	.00	.03	.03	.03	.00	.03

DATE	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	PHOS- PHORUS, ORTHOPHOS- PHATE, DIS- SOLVED (MG/L AS P)	PHOS- PHATE, ORTHOPHOS- PHATE, DIS- SOLVED (MG/L AS P04)	ALUM- INUM, DIS- SOLVED (UG/L AS AL)	ARSENIC DIS- SOLVED (UG/L AS AS)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHROMIUM, DIS- SOLVED (UG/L AS CR)
SEP , 1976										
07...	.15	.62	.000	.000	.00	.00	.60	0	0	0
APR , 1977										
21...	.20	.90	.000	.000	--	.00	.00	170	0	7

DATE	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, DIS- SOLVED (UG/L AS PB)	MANGA- NESE, TOTAL RECOVERABLE (UG/L AS MN)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MERCURY DIS- SOLVED (UG/L AS HG)	ZINC, DIS- SOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C)
SEP , 1976										
07...	0	130	80	4	130	140	.1	40	1.2	1.2
APR , 1977										
21...	0	110	40	4	110	110	.0	30	.0	--

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

TENNESSEE RIVER BASIN--Continued

03568305 - ROCK CR TRIB(MINE SEEP) AT SR170 NR DURHAM, GA.

WATER QUALITY DATA

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM COBALT UNITS)	HARD- NESS (MG/L AS CACO3)	HARD- NESS, NONCAR- BONATE (MG/L AS CACO3)	ACIDITY TOTAL HEATED (MG/L AS H)	ACIDITY (MG/L AS CACO3)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM PERCENT
AUG , 1976 31...	1100	554	4.0	15.0	0	270	270	.7	35	32	4.0	3
DATE	SODIUM AD- SOPP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	BICAR- BONATE (MG/L AS HCO3)	CAR- BONATE (MG/L AS CO3)	ALKA- LINITY (MG/L AS CACO3)	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)
AUG , 1976 31...	.1	2.5	0	0	0	.0	300	.6	.2	23	470	421
DATE	SOLIDS, DIS- SOLVED (TONS PER AC-FT)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS NO3)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS NO2)	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, AMMONIA TOTAL (MG/L AS NH4)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS NH4)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)
AUG , 1976 31...	.64	.10	.44	.00	.00	.10	.10	.01	.01	.10	.10	.07
DATE	NITRO- GEN, ORGANIC DIS- SOLVED (MG/L AS N)	NITRO- GEN, KJEL- DAHL, TOTAL (MG/L AS N)	NITRO- GEN,NH4 + ORG. SUSP. TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	PHOS- PHORUS, ORTH0. TOTAL (MG/L AS P)	PHOS- PHORUS, ORTH0, DIS- SOLVED (MG/L AS P)	PHOS- PHATE, ORTH0, DIS- SOLVED (MG/L AS PO4)	ALUM- INUM, DIS- SOLVED (UG/L AS AL)
AUG , 1976 31...	.02	.08	.05	.03	.18	.80	.000	.000	.00	.00	.00	400
DATE	ARSENIC DIS- SOLVED (UG/L AS AS)	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, DIS- SOLVED (UG/L AS PB)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MERCURY DIS- SOLVED (UG/L AS HG)	ZINC, DIS- SOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C)	
AUG , 1976 31...	0	2	0	17	110	22	1500	.2	220	.0	.0	

TENNESSEE RIVER BASIN--Continued

03568782 - HURRICANE CR NR RISING FAWN,GA

WATER QUALITY DATA

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM COBALT UNITS)	TUR- BID- ITY (JTU)	OXYGEN, DIS- SOLVED (MG/L)	HARD- NESS (MG/L AS CACO3)	HARD- NESS, NONCAR- BONATE (MG/L CACO3)	ACIDITY TOTAL HEATED (MG/L AS H)
SEP , 1976											
07...	1730	.23	250	7.6	20.2	0	1	6.9	140	15	.0
APR , 1977											
21...	1745	1.4	204	6.9	18.0	0	--	8.6	120	20	.0

DATE	ACIDITY (MG/L AS CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	BICAR- BONATE (MG/L AS HCO3)	CAR- BONATE (MG/L AS CO3)	ALKA- LINITY (MG/L AS CACO3)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2)
SEP , 1976											
07...	.0	48	4.5	2.0	3	.1	1.1	150	0	123	6.0
APR , 1977											
21...	.0	40	4.4	1.3	2	.1	.8	120	0	98	24

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 AC-FT)	SOLIDS, DIS- SOLVED (TONS PER DAY)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS NO3)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N)
SEP , 1976											
07...	7.6	1.7	.3	7.7	144	147	.20	.09	.04	.18	.00
APR , 1977											
21...	5.9	1.7	.0	5.9	123	119	.17	.46	.01	.04	.00

DATE	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS NO2)	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, AMMONIA TOTAL (MG/L AS NH4)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS NH4)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC DIS- SOLVED (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN,NH4 + ORG. SUSP. TOTAL (MG/L AS N)
SEP , 1976											
07...	.00	.03	.04	.00	.00	--	.00	.07	.09	.07	.00
APR , 1977											
21...	.00	.01	.01	.00	.01	.01	.01	.01	.00	.01	.04

DATE	NITRO- GEN,AM- MONIA + ORGANIC DIS- SOLVED (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	PHOS- PHORUS, ORTHOPHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, ORTHOPHOS- PHORUS, DIS- SOLVED (MG/L AS P)	PHOS- PHATE, ORTHOPHOS- PHATE, DIS- SOLVED (MG/L AS PO4)	ALUM- INUM, DIS- SOLVED (UG/L AS AL)	ARSENIC DIS- SOLVED (UG/L AS AS)	CADMIUM DIS- SOLVED (UG/L AS CD)
SEP , 1976											
07...	.09	.10	.44	.010	.010	.00	.01	.03	20	0	0
APR , 1977											
21...	.00	.02	.10	.000	.000	--	.00	.00	180	0	0

DATE	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, DIS- SOLVED (UG/L AS PB)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MERCURY DIS- SOLVED (UG/L AS HG)	ZINC, DIS- SOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C)
SEP , 1976											
07...	0	0	70	60	6	70	50	.1	0	1.7	1.6
APR , 1977											
21...	8	0	90	20	0	40	40	.0	0	2.4	--

CHARLTON COUNTY

304943082213701 Local number, 27E1.

LOCATION.--Lat 30°49'43", long 82°21'37", Hydrologic Unit 03110201, end of Georgia Highway 177 east of Stephen C. Foster State Park.

Owner: U. S. Geological Survey, Test well OK 8.

AQUIFER.--Principal artesian aquifer.

WELL CHARACTERISTICS.--Drilled observation well, diameter 4 in. (10.1 cm), depth 647 ft (197.2 m), cased to 465 ft (141.7 m), open hole.

DATUM.--Altitude of land-surface is 116 ft (35.3 m) National Geodetic Vertical Datum of 1929.

Measuring point: Floor of recorder shelter, 4.2 ft (1.28 m) above land-surface datum.

REMARKS.--Well pumped Aug. 1, 1978, sounded to obstruction at 484 ft (147.5 m). Well open below obstruction.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 58.65 ft (17.877 m) below land-surface datum, June 27, 1966; lowest, 68.47 ft (20.870 m) below land surface datum, January 4, 1979.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	67.27	67.85	68.08	68.17	68.02	67.46	66.97	67.04	66.90	67.40	67.55	67.58
2	67.32	67.85	68.18	68.09	68.08	67.46	66.94	67.05	66.86	67.45	67.53	67.57
3	67.32	67.81	68.22	68.37	68.04	67.38	66.94	67.07	66.82	67.50	67.55	67.45
4	67.31	67.78	68.02	68.47	67.97	67.30	66.92	67.05	66.78	67.50	67.60	67.30
5	67.33	67.82	68.02	68.36	67.98	67.29	66.97	66.98	66.78	67.53	67.60	67.38
6	67.33	67.85	68.18	68.21	67.82	67.23	67.09	66.97	66.86	67.63	67.58	67.52
7	67.39	67.82	68.27	68.03	67.71	67.11	67.14	66.97	66.93	67.65	67.58	67.47
8	67.47	67.77	68.24	68.03	67.86	67.07	67.02	66.90	67.03	67.63	67.62	67.45
9	67.55	67.81	68.10	68.24	67.93	67.20	66.84	66.90	67.10	67.55	67.65	67.53
10	67.55	67.88	68.33	68.25	68.01	67.16	66.94	66.95	67.07	67.47	67.60	67.54
11	67.44	67.99	68.39	68.15	67.99	67.11	67.03	66.93	67.00	67.53	67.50	67.48
12	67.46	68.04	68.33	67.97	67.89	67.17	67.04	66.90	67.13	67.60	67.46	67.43
13	67.48	68.04	68.38	67.82	67.84	67.14	66.95	66.90	67.20	67.57	67.54	67.39
14	67.49	68.06	68.34	68.03	67.83	67.02	66.92	66.85	67.27	67.57	67.60	67.40
15	67.59	68.08	68.33	68.26	67.76	67.10	66.96	66.85	67.20	67.57	67.56	67.41
16	67.57	68.09	68.28	68.27	67.75	67.18	67.02	66.88	67.10	67.57	67.56	67.53
17	67.65	68.08	68.34	68.21	67.86	67.18	67.07	66.90	67.15	67.57	67.57	67.57
18	67.75	68.10	68.36	68.12	67.86	67.06	67.09	66.85	67.25	67.60	67.57	67.53
19	67.68	68.15	68.23	68.03	67.88	66.92	67.08	66.75	67.30	67.60	67.55	67.48
20	67.58	68.17	68.12	67.70	67.82	66.83	67.11	66.73	67.37	67.65	67.54	67.47
21	67.64	68.17	68.09	67.66	67.74	66.81	67.13	66.70	67.40	67.63	67.54	67.40
22	67.70	68.16	68.20	67.91	67.69	66.80	67.16	66.73	67.40	67.60	67.53	67.38
23	67.68	68.13	68.20	67.81	67.59	66.64	67.13	66.73	67.40	67.65	67.53	67.42
24	67.59	68.09	68.00	67.73	67.46	66.53	67.07	66.60	67.40	67.70	67.53	67.45
25	67.69	68.11	68.14	67.90	67.33	66.66	66.87	66.62	67.43	67.67	67.54	67.47
26	67.65	68.12	68.26	67.88	67.37	66.88	66.75	66.74	67.46	67.63	67.56	67.45
27	67.67	68.10	68.32	67.74	67.44	67.01	66.83	66.79	67.49	67.63	67.56	67.37
28	67.71	68.18	68.30	67.85	67.42	67.08	66.93	66.78	67.47	67.63	67.53	67.33
29	67.71	68.16	68.33	67.96	---	67.09	67.00	66.75	67.43	67.60	67.55	67.27
30	67.77	68.08	68.34	67.93	---	67.07	67.04	66.80	67.37	67.57	67.57	67.23
31	67.86	---	68.32	67.88	---	67.04	---	66.88	---	67.57	67.56	---
MEAN	67.55	68.01	68.23	68.03	67.78	67.06	67.00	66.86	67.18	67.58	67.56	67.44
WTR YR 1979	MEAN	67.52		HIGH	66.53		LOW	68.47				

GROUND-WATER LEVELS

467

CHATHAM COUNTY

315950081161201 Local number, 35P94.

LOCATION.--Lat 31°59'50", long 81°16'12", Hydrologic Unit 03060204, Barbour Lathrop Plant Introduction Station, 10 miles (16.1 km) south of Savannah, north of the intersection of U.S. Highway 17 and Argyle Rd.

Owner: U.S. Department of Agriculture.

AQUIFER.--Sands of Holocene and Pleistocene ages.

WELL CHARACTERISTICS.--Bored observation well, diameter 30 in. (76.2 cm), depth 15 ft (4.6 m), cased to 15 ft (4.6 m), open end.

DATUM.--Altitude of land-surface is 18.67 ft (5.691 m) National Geodetic Vertical Datum of 1929.

Measuring point: Iron bracket on recorder shelter, 3.3 ft (1.01 m) above land-surface datum.

REMARKS.--Responds quickly to precipitation.

PERIOD OF RECORD.--August 1942 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 0.05 ft (0.015 m) below land-surface datum, Sept. 26, 1953; lowest, 12.28 ft (3.743 m) below land-surface datum, November 30, 1972.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10.03	10.69	11.00	11.06	9.59	5.65	6.64	6.12	5.14	5.77	6.96	8.76
2	10.05	10.71	11.02	11.06	9.55	5.68	6.69	6.15	5.22	5.95	6.91	8.81
3	10.07	10.72	11.03	11.02	9.51	5.72	6.76	6.23	5.22	6.04	6.74	8.86
4	10.09	10.73	11.04	10.97	9.47	5.76	6.81	6.29	5.30	6.16	6.56	7.24
5	10.12	10.75	11.05	10.93	9.45	5.80	6.88	6.36	5.39	6.31	6.48	4.20
6	10.15	10.76	11.06	10.90	9.42	5.85	6.95	6.46	5.47	6.44	6.50	3.20
7	10.18	10.78	11.07	10.87	9.31	5.90	7.03	6.54	5.46	6.34	6.57	3.40
8	10.21	10.79	11.08	10.85	9.15	5.94	7.06	6.40	5.10	5.96	6.79	3.60
9	10.24	10.79	11.08	10.82	9.02	5.99	7.03	5.24	5.10	5.68	6.83	3.79
10	10.26	10.80	11.10	10.79	8.90	6.04	7.09	3.93	5.17	5.55	6.95	3.96
11	10.29	10.82	11.11	10.76	8.75	6.09	7.19	3.66	5.28	5.55	7.05	4.12
12	10.31	10.84	11.12	10.73	8.64	6.14	7.22	3.46	5.31	5.60	7.15	4.25
13	10.33	10.85	11.13	10.70	8.59	6.18	7.22	3.10	5.28	5.66	7.29	4.24
14	10.35	10.87	11.13	10.67	8.61	6.24	7.24	2.88	5.35	5.74	7.42	4.31
15	10.37	10.88	11.14	10.65	8.58	6.29	7.27	2.97	5.42	5.88	7.50	4.41
16	10.39	10.89	11.15	10.63	8.57	6.34	7.32	3.15	4.92	6.03	7.61	4.51
17	10.41	10.90	11.15	10.60	8.63	6.40	7.39	3.34	4.33	6.20	7.73	4.59
18	10.44	10.91	11.16	10.58	8.69	6.45	7.45	3.49	4.25	6.35	7.80	4.66
19	10.46	10.93	11.17	10.56	8.68	6.50	7.50	3.63	4.33	6.42	7.87	4.75
20	10.47	10.94	11.18	10.54	8.69	6.56	7.56	3.69	4.47	6.43	7.94	4.85
21	10.48	10.96	11.18	10.50	8.68	6.65	7.63	3.92	4.60	6.43	8.02	4.92
22	10.50	10.97	11.19	10.44	8.50	6.72	7.70	4.06	4.73	6.44	8.10	4.99
23	10.52	10.98	11.21	10.37	8.35	6.66	7.75	4.18	4.88	6.42	8.18	5.10
24	10.54	10.92	11.20	10.29	8.26	6.57	7.80	4.28	5.00	6.42	8.26	5.18
25	10.56	10.93	11.14	10.18	7.39	6.54	7.60	4.37	5.13	6.45	8.34	5.20
26	10.58	10.94	11.07	10.07	6.50	6.57	7.04	4.48	5.22	6.49	8.42	5.17
27	10.60	10.95	11.05	9.95	5.99	6.58	6.70	4.58	5.32	6.58	8.48	5.10
28	10.62	10.97	11.05	9.86	5.74	6.57	6.36	4.69	5.42	6.65	8.55	4.88
29	10.64	10.98	11.05	9.78	---	6.58	6.24	4.80	5.53	6.74	8.58	4.52
30	10.66	10.99	11.06	9.70	---	6.59	6.15	4.92	5.64	6.84	8.64	4.27
31	10.68	---	11.06	9.63	---	6.61	---	5.03	---	6.84	8.70	---
MEAN	10.37	10.86	11.10	10.53	8.54	6.26	7.11	4.59	5.10	6.21	7.58	4.99
WTR YR 1979	MEAN	7.77		HIGH	2.88		LOW	11.21				

CHATHAM COUNTY

320021081124801 Local number, 36Q20.

LOCATION.--Lat 32°00'21", long 81°12'48", Hydrologic Unit 03060204, 2.7 mi (4.3 km) south of intersection of U.S. Highway 17 with Dean Forest Road.

Owner: H. J. Morrison.

AQUIFER.--Principal artesian aquifer.

WELL CHARACTERISTICS.--Drilled unused domestic well, diameter 3 in. (7.6 cm), depth 365 ft (111.2 m), cased to 330 ft (100.6 m), open hole.

DATUM.--Altitude of land-surface is 13 ft (4.0 m) National Geodetic Vertical Datum of 1929.

Measuring point: Floor of recorder shelter, 3.88 ft (1.183 m) above land-surface datum.

REMARKS.--None.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 17.66 ft (5.383 m) below land-surface datum, June 28, 1958; lowest, 46.15 ft (14.067 m) below land-surface datum, July 16, 1977.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	45.40	44.60	44.55	43.55	43.50	42.90	43.72	44.00	44.10	44.35	44.75	45.05
2	45.40	44.60	44.65	43.35	43.50	42.95	43.70	44.05	44.00	44.55	44.75	45.05
3	45.35	44.53	44.65	43.70	43.40	43.00	43.75	44.10	43.90	44.60	44.75	45.03
4	45.25	44.48	44.45	43.80	43.28	42.93	43.75	44.15	43.95	44.65	44.80	44.40
5	45.20	44.65	44.50	43.75	43.23	42.88	43.83	44.10	43.95	44.75	44.80	44.45
6	45.15	44.70	44.65	43.65	43.05	42.88	43.95	44.15	43.95	44.85	44.80	45.00
7	45.15	44.60	44.70	43.55	42.85	42.78	43.98	44.10	44.10	44.75	44.85	44.95
8	45.25	44.70	44.65	43.58	43.10	42.82	43.95	44.05	44.15	44.65	44.95	44.90
9	45.25	44.70	44.55	43.75	43.10	43.05	43.70	44.00	44.20	44.50	45.00	45.00
10	45.20	44.70	44.80	43.75	43.20	43.08	43.75	44.00	44.15	44.40	45.05	45.40
11	45.00	44.85	44.80	43.68	43.20	43.12	43.80	43.95	44.15	44.45	44.93	45.15
12	45.00	44.85	44.75	43.53	43.08	43.25	43.75	43.95	44.25	44.45	44.90	45.05
13	44.90	44.85	44.75	43.35	43.05	43.30	43.68	43.95	44.28	44.50	45.05	45.05
14	44.75	44.90	44.70	43.58	43.05	43.25	43.65	43.95	44.30	44.50	45.05	45.15
15	44.80	44.93	44.65	43.85	43.00	43.45	43.65	43.90	44.27	44.58	45.05	45.25
16	44.75	44.95	44.60	43.82	43.05	43.62	43.70	43.90	44.10	44.65	45.05	45.35
17	44.70	44.95	44.70	43.75	43.20	43.65	43.75	43.90	44.15	44.75	45.10	45.35
18	44.75	44.92	44.60	43.65	43.20	43.55	43.75	43.90	44.20	44.80	45.10	45.25
19	44.60	45.05	44.45	43.75	43.30	43.45	43.80	43.85	44.25	44.85	45.15	45.20
20	44.55	45.05	44.30	43.35	43.30	43.40	43.88	43.85	44.30	44.85	45.20	45.20
21	44.65	45.00	44.25	43.30	43.25	43.40	43.95	43.90	44.30	44.85	45.20	45.10
22	44.70	45.00	44.40	43.65	43.25	43.40	44.05	43.90	44.35	44.85	45.25	45.10
23	44.70	44.95	44.35	43.50	43.10	43.20	44.10	43.85	44.35	44.80	45.30	45.20
24	44.55	44.85	44.05	43.25	43.05	43.20	44.05	43.75	44.40	44.80	45.35	45.25
25	44.65	44.88	44.25	43.55	42.80	43.35	43.80	43.80	44.60	44.78	45.40	45.25
26	44.65	44.85	44.25	43.50	42.85	43.58	43.68	44.05	44.60	44.75	45.55	45.25
27	44.70	44.70	44.25	43.35	42.90	43.65	43.75	44.00	44.50	44.70	45.55	45.10
28	44.70	44.80	44.10	43.45	42.90	43.70	43.85	43.95	44.45	44.70	45.00	45.05
29	44.70	44.80	43.95	43.55	---	43.73	43.90	43.90	44.45	44.70	45.00	45.00
30	44.70	44.65	43.88	43.45	---	43.75	43.95	43.95	44.40	44.75	45.05	44.95
31	44.70	---	43.80	43.35	---	43.75	---	44.05	---	44.80	45.05	---
MEAN	44.90	44.80	44.45	43.57	43.13	43.29	43.82	43.96	44.24	44.67	45.06	45.08
WTR YR 1979	MEAN	44.25		HIGH	42.78		LOW	45.55				

GROUND-WATER LEVELS

469

CHATHAM COUNTY

320122080510202 Local number, 39Q3.

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.--Principal artesian aquifer.

WELL CHARACTERISTICS.--Drilled observation well, diameter 10 in. (25.4 cm), depth 600 ft (182.9 m), cased to 129 ft (39.3 m), open hole.

DATUM.--Altitude of land-surface is 7.0 ft (2.13 m) National Geodetic Vertical Datum of 1929.

Measuring point: Top of 10 in. (25.4 cm) casing, 2.0 ft (0.61 m) above land-surface datum.

REMARKS.--Borehole geophysical survey conducted January 24, 1962.

PERIOD OF RECORD.--May 1952 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 17.8 ft (5.425 m) below land-surface datum, April 11, 1963; lowest, 28.00 ft (8.534 m) below land-surface datum, July 28, 1978.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	26.65	26.35	26.30	26.25	26.10	25.25	25.80	25.80	26.20	26.40	26.60	27.25
2	26.65	26.35	26.30	26.45	26.00	25.45	25.70	25.80	26.30	26.50	26.85	27.30
3	26.55	26.10	26.30	26.80	25.80	25.25	25.60	25.90	26.20	26.55	26.80	26.95
4	26.45	26.15	26.30	26.75	25.75	25.20	25.65	26.05	26.03	26.70	26.85	26.00
5	26.45	26.40	26.70	26.55	25.75	25.20	25.65	26.20	25.80	26.70	26.80	27.30
6	26.45	26.45	26.60	26.40	25.45	25.30	25.90	25.80	25.90	26.55	26.65	27.20
7	26.50	26.35	26.70	26.20	25.55	25.20	25.90	25.90	26.10	26.30	26.75	27.25
8	26.55	26.55	26.65	26.50	25.95	25.30	25.90	25.90	25.95	26.25	26.80	27.20
9	26.60	26.45	26.90	26.55	25.80	25.30	25.90	26.00	26.40	26.00	26.90	27.00
10	26.60	26.50	26.90	26.40	25.75	25.30	25.90	26.10	26.25	25.95	27.30	26.95
11	26.50	26.65	26.60	26.15	25.80	25.70	25.75	26.10	25.95	26.30	26.90	26.95
12	26.70	26.60	26.45	25.75	25.65	25.65	25.80	26.10	25.70	26.40	27.05	26.85
13	26.70	26.35	26.40	25.50	25.70	25.50	25.75	26.30	25.85	26.45	26.90	26.90
14	26.75	26.30	26.65	26.10	25.50	25.50	25.60	26.10	25.70	26.55	27.00	27.00
15	26.90	26.50	26.43	26.50	25.60	25.60	25.70	25.95	25.80	26.45	27.10	26.95
16	26.55	26.50	26.50	26.30	25.75	25.65	25.75	25.75	25.90	26.40	26.70	26.90
17	26.40	26.55	26.80	26.20	25.15	25.80	25.70	25.70	26.15	26.45	26.55	26.80
18	26.35	26.65	26.80	26.30	25.30	25.75	25.65	25.80	26.35	26.35	27.05	26.75
19	26.35	26.65	26.85	25.75	25.65	25.55	25.75	26.00	26.30	26.45	27.25	26.75
20	26.50	26.35	26.35	25.40	25.55	25.35	25.85	26.10	26.00	26.50	27.30	26.65
21	26.45	26.30	26.65	25.85	25.45	25.30	26.15	25.80	26.25	26.85	27.20	26.60
22	26.45	26.30	26.45	26.25	25.50	25.20	26.45	25.90	26.45	26.75	27.15	26.60
23	26.55	26.35	26.30	25.85	25.40	25.10	26.15	25.95	26.55	26.60	27.20	26.50
24	26.40	26.60	26.20	25.85	25.25	25.35	25.95	25.95	26.75	26.70	27.20	26.30
25	26.30	26.55	26.75	26.40	25.05	25.45	25.50	26.00	26.15	26.65	27.30	26.00
26	26.35	26.35	26.55	25.90	25.50	25.60	25.75	26.15	25.90	26.85	27.40	25.90
27	26.80	26.45	26.50	25.60	25.25	26.05	25.85	26.30	26.05	27.00	27.25	25.65
28	26.75	26.70	26.25	25.85	25.25	26.65	26.00	26.05	26.20	26.95	27.10	25.80
29	26.60	26.55	26.25	26.10	---	25.75	25.95	25.95	26.20	26.75	27.20	25.95
30	26.35	26.45	26.15	25.80	---	25.80	25.85	26.00	26.25	26.60	27.35	25.95
31	26.35	---	26.25	25.85	---	25.95	---	26.35	---	26.60	27.05	---
MEAN	26.53	26.45	26.51	26.13	25.58	25.52	25.83	25.99	26.12	26.53	27.02	26.67
WTR YR 1979	MEAN	26.24		HIGH	25.05		LOW	27.40				

CHATHAM COUNTY

320202080541201 Local number, 38Q2.

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.--Principal artesian aquifer.

WELL CHARACTERISTICS.--Drilled observation well, diameter 8 in. (20.3 cm), depth 348 ft (106.1 m), cased to 110 ft (33.5 m), open hole.

DATUM.--Altitude of land-surface is 8.0 ft (2.44 m) National Geodetic Vertical Datum of 1929.

Measuring point: Floor of recorder shelter, 3.62 ft (1.103 m) above land-surface datum.

REMARKS.--Borehole geophysical survey conducted June 16, 1961.

PERIOD OF RECORD.--February 1956 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 16.0 ft (4.88 m) below land-surface datum, March 5, 1956; lowest, 33.50 ft (10.211 m) below land-surface datum, July 28, 1978.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	32.75	32.40	32.40	32.05	31.75	30.90	31.45	31.70	31.90	31.85	32.40	32.90
2	32.75	32.35	32.30	32.10	31.70	31.10	31.40	31.70	32.00	32.00	32.40	32.85
3	32.60	32.10	32.40	32.50	31.60	31.00	31.30	31.70	31.90	32.10	32.40	32.65
4	32.60	32.10	32.40	32.40	31.50	31.00	31.40	31.80	31.80	32.05	32.40	32.00
5	32.60	32.35	32.70	32.25	31.50	31.00	31.50	31.90	31.65	32.10	32.30	32.90
6	32.60	32.50	32.65	32.15	31.30	31.05	31.65	31.60	31.70	32.10	32.20	32.75
7	32.60	32.40	32.70	32.00	31.30	30.95	31.60	31.70	31.75	32.00	32.30	32.70
8	32.65	32.50	32.70	32.10	31.55	31.00	31.60	31.70	31.70	31.95	32.30	32.60
9	32.75	32.50	32.75	32.15	31.50	31.00	31.60	31.70	31.75	31.80	32.40	32.30
10	32.70	32.55	32.60	32.05	31.50	31.05	31.60	31.70	31.70	31.80	32.50	32.20
11	32.55	32.70	32.70	32.00	31.50	31.30	31.50	31.70	31.65	31.90	32.50	32.10
12	32.70	32.60	32.60	31.65	31.40	31.20	31.55	31.60	31.50	32.00	32.60	32.00
13	32.60	32.40	32.50	31.45	31.35	31.15	31.45	31.70	31.60	32.10	32.60	32.00
14	32.60	32.45	32.60	31.80	31.25	31.10	31.30	31.65	31.55	32.10	32.60	32.30
15	32.75	32.55	32.45	32.10	31.30	31.25	31.40	31.50	31.50	32.20	32.60	32.20
16	32.50	32.60	32.50	32.10	31.40	31.25	31.45	31.50	31.70	32.20	32.50	32.10
17	32.40	32.65	32.65	32.00	31.05	31.40	31.50	31.40	31.90	32.20	32.50	32.20
18	32.40	32.70	32.60	32.00	31.10	31.30	31.45	31.40	32.00	32.20	32.60	32.10
19	32.40	32.75	32.55	31.70	31.30	31.20	31.45	31.50	31.95	32.30	32.70	32.10
20	32.50	32.55	32.30	31.30	31.30	31.00	31.60	31.50	31.80	32.30	32.70	31.90
21	32.40	32.50	32.40	31.50	31.15	31.00	31.75	31.50	31.85	32.30	32.70	31.80
22	32.45	32.50	32.30	31.85	31.20	30.90	31.80	31.50	31.95	32.40	32.70	32.10
23	32.50	32.50	32.10	31.60	31.05	30.90	31.80	31.60	31.95	32.40	32.80	32.10
24	32.40	32.65	32.10	31.45	30.90	30.95	31.70	31.50	32.00	32.50	32.80	32.00
25	32.35	32.60	32.50	31.90	30.80	31.05	31.30	31.60	31.90	32.45	32.90	31.90
26	32.50	32.50	32.40	31.55	31.05	31.25	31.45	31.70	31.75	32.50	33.05	31.90
27	32.70	32.60	32.40	31.20	30.95	31.25	31.60	31.65	31.80	32.50	33.10	31.90
28	32.65	32.80	32.05	31.50	30.90	31.25	31.70	31.70	31.80	32.40	33.05	31.80
29	32.55	32.75	31.90	31.60	---	31.35	31.65	31.65	31.80	32.50	33.00	31.90
30	32.40	32.50	32.05	31.50	---	31.40	31.70	31.80	31.80	32.50	33.05	31.90
31	32.40	---	32.10	31.50	---	31.50	---	31.90	---	32.50	32.90	---
MEAN	32.56	32.52	32.43	31.84	31.29	31.13	31.54	31.64	31.79	32.20	32.63	32.21
WTR YR 1979	MEAN	31.99		HIGH	30.80		LOW	33.10				

CHATHAM COUNTY

320530081085001 Local number, 36Q8.

LOCATION.--Lat 32°05'30", long 81°08'50", Hydrologic Unit 03060204, 0.19 mi (0.3 km) southeast of intersection of Alfred Street and U.S. Highway 80.

Owner: Layne-Atlantic Co.

AQUIFER.--Principal artesian aquifer.

WELL CHARACTERISTICS.--Drilled unused industrial well, diameter 4 in. (10.1 cm), depth 406 ft (123.7 m), cased to 250 ft (76.2 m), open hole.

DATUM.--Altitude of land-surface is 9.91 ft (3.021 m) National Geodetic Vertical Datum of 1929.

Measuring point: Top of 3 in. (7.6 cm) casing, 1.0 ft (0.30 m) above land-surface datum.

REMARKS.--None.

PERIOD OF RECORD.--February 1954 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 49.17 ft (14.987 m) below land-surface datum, July 11, 1954; lowest, 116.5 ft (35.509 m) below land-surface datum, August 28, 1978.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	111.15	113.00	113.40	105.80	99.60	109.50	109.85	108.65	110.80	109.35	114.60	115.60
2	110.90	114.25	113.15	105.60	100.40	109.65	109.50	109.30	109.50	110.60	115.00	115.00
3	110.90	112.80	113.10	107.20	102.10	109.00	109.60	109.10	108.80	111.50	114.50	113.30
4	110.50	112.70	112.90	108.20	102.70	108.45	109.20	109.80	108.80	110.90	113.50	108.30
5	110.40	112.35	113.20	108.80	103.50	109.00	108.85	109.90	109.70	110.70	112.20	107.30
6	109.90	112.35	113.55	109.00	104.50	109.70	108.80	109.60	109.80	110.90	111.60	110.05
7	109.45	112.85	113.80	108.65	105.60	110.00	108.50	109.40	109.70	110.40	111.60	110.80
8	109.15	112.90	114.00	108.60	106.50	110.60	107.85	109.55	109.50	109.00	111.80	110.90
9	109.40	113.20	113.45	109.40	107.10	111.05	107.25	107.80	109.20	109.20	112.20	110.50
10	109.75	113.55	112.80	109.80	107.40	111.50	107.50	107.60	108.55	109.70	111.90	110.20
11	109.80	113.35	112.55	109.90	107.35	111.30	107.60	109.10	108.10	110.10	111.60	110.60
12	109.40	112.90	112.70	109.70	107.40	111.25	108.00	108.65	108.15	110.40	111.00	111.10
13	109.30	112.75	111.70	109.30	107.75	111.70	108.75	108.10	108.40	110.40	111.00	110.80
14	109.25	113.15	110.30	109.50	107.90	112.00	108.50	107.80	108.30	110.20	111.40	110.50
15	109.75	113.25	109.65	110.20	107.40	112.05	108.05	108.00	108.00	110.90	111.30	110.40
16	109.75	113.35	109.30	110.80	107.60	112.00	107.90	108.40	107.50	110.30	111.80	109.90
17	110.30	113.30	109.60	110.70	107.05	111.40	108.30	108.70	106.95	110.50	111.50	109.55
18	110.90	113.40	110.10	110.05	106.60	110.10	109.00	109.00	107.20	110.60	111.30	109.70
19	111.15	113.30	110.60	109.40	107.10	109.40	109.60	108.70	107.75	110.65	110.80	109.20
20	111.20	113.15	110.80	108.30	107.10	109.70	110.20	108.10	108.20	110.70	111.40	108.90
21	111.70	112.90	112.10	107.40	106.85	109.55	110.55	107.90	108.35	110.50	113.20	109.70
22	111.90	112.95	113.60	107.70	107.70	109.75	109.90	108.30	108.40	110.40	115.00	110.30
23	111.60	112.50	111.95	107.80	107.90	109.80	109.10	108.70	108.70	110.80	115.60	110.65
24	111.65	111.20	107.00	107.30	107.25	109.55	109.30	108.90	108.50	110.90	115.70	111.10
25	111.75	111.00	101.10	107.60	107.20	109.40	109.25	108.70	108.30	111.20	115.40	111.30
26	111.95	111.30	96.80	107.35	107.65	109.55	109.25	108.80	108.40	111.00	115.00	111.50
27	112.50	111.95	96.30	106.60	108.75	109.90	109.95	108.55	108.60	111.00	115.20	111.35
28	112.35	112.40	100.50	106.30	109.25	110.15	110.55	107.90	109.60	111.40	115.80	111.40
29	111.70	112.80	103.50	106.20	---	110.45	109.70	108.00	110.00	111.25	115.90	111.50
30	111.60	113.40	104.95	107.05	---	111.05	108.75	108.70	109.00	111.30	116.30	111.30
31	111.65	---	105.65	103.65	---	110.50	---	110.30	---	112.50	115.60	---
MEAN	110.73	112.81	109.49	108.19	106.26	110.29	108.97	108.71	108.69	110.62	113.25	110.76
WTR YR 1979	MEAN	109.92		HIGH	96.30		LOW	116.30				

CLAY COUNTY

313637085032601 Local number, 5L1.

LOCATION.--Lat 31°36'37", long 85°03'26", Hydrologic Unit 03130004, between Chattahoochee River and Ft. Gaines waterplant.

Owner: U.S. Army Corps of Engineers.

AQUIFER.--Clayton Limestone.

WELL CHARACTERISTICS.--Drilled observation well, diameter 3 in. (7.6 cm), depth 120 ft (36.6 m), cased to 44 ft (13.4 m), open hole.

DATUM.--Altitude of land-surface is 146.7 ft (44.71 m) National Geodetic Vertical Datum of 1929.

Measuring point: Top of floor of recorder shelter, 2.7 ft (0.82 m) above land-surface datum.

REMARKS.--None.

PERIOD OF RECORD.--May 23, 1957 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 18.86 ft (5.749 m) below land-surface datum, February 17, 1966; lowest, 35.88 ft (10.936 m) below land-surface datum, August 17, 1963.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	31.31	31.57	31.98	32.02	30.51	27.98	30.33	27.40	28.88	30.60	30.56	31.28
2	31.34	31.59	32.23	31.46	30.49	28.01	29.96	27.53	28.94	30.02	30.56	31.41
3	30.81	31.57	32.23	31.32	31.47	27.96	29.59	27.58	29.74	30.37	30.54	31.20
4	30.76	31.76	31.97	31.36	31.66	27.34	28.49	27.57	29.21	30.26	30.95	30.83
5	30.75	31.96	32.00	31.55	31.40	26.44	24.40	28.12	29.10	30.23	31.12	30.81
6	30.78	31.91	32.07	31.90	30.56	26.44	23.57	28.27	29.09	30.15	30.79	30.81
7	31.22	31.45	32.09	31.95	29.55	26.99	25.70	28.20	29.13	30.63	30.65	30.79
8	31.46	31.64	32.04	31.92	29.53	27.49	27.11	28.19	29.16	30.77	30.63	31.37
9	31.02	31.64	32.09	31.86	29.50	27.59	27.19	27.98	29.91	30.33	30.65	31.52
10	30.96	31.57	32.14	31.79	30.28	28.40	27.32	27.96	30.08	30.13	30.62	31.16
11	30.87	31.81	31.92	31.79	31.03	29.27	27.36	27.96	29.58	30.10	31.04	31.20
12	30.72	32.00	31.74	31.78	30.41	28.70	27.37	29.05	29.58	30.32	31.19	30.95
13	31.09	31.82	31.71	31.86	30.45	28.69	27.31	29.21	29.56	30.61	30.83	30.90
14	31.23	31.49	31.72	31.90	30.64	28.68	26.99	28.20	29.57	30.75	30.64	30.92
15	31.49	31.58	31.68	31.93	30.92	28.74	24.17	28.26	29.54	30.78	30.63	31.51
16	31.11	31.68	32.02	31.79	30.89	28.78	23.29	28.12	30.13	30.59	30.61	31.68
17	30.89	31.72	32.22	31.77	31.64	28.85	23.81	28.13	30.29	30.43	30.63	31.29
18	30.95	32.00	31.95	31.78	31.81	29.59	25.51	28.10	29.84	30.49	31.14	31.14
19	30.83	32.21	31.65	31.68	31.60	28.93	26.50	29.24	29.76	30.64	30.89	31.20
20	30.87	31.90	31.59	31.75	31.37	28.77	26.64	29.44	29.78	30.53	30.62	30.94
21	31.36	31.72	31.62	31.58	30.70	28.75	26.71	28.81	29.74	30.53	30.60	30.89
22	31.61	31.72	31.67	30.08	29.58	29.53	26.75	28.80	29.72	30.87	30.72	31.49
23	31.28	31.72	32.01	29.90	29.06	28.72	26.78	28.78	30.26	30.39	30.69	31.65
24	31.29	31.74	32.13	30.69	26.83	29.21	27.55	28.75	30.43	30.30	30.71	31.32
25	31.24	32.08	32.22	30.92	24.34	29.98	27.50	28.82	30.01	30.22	31.22	31.20
26	31.25	32.23	31.60	30.88	24.14	29.65	26.23	29.57	29.93	30.26	31.38	31.12
27	31.30	32.01	31.77	31.04	26.51	29.52	24.78	29.72	30.07	30.26	30.93	31.02
28	31.69	31.80	31.63	31.50	27.80	29.47	25.35	29.42	30.10	30.64	30.77	30.52
29	31.71	31.79	31.71	31.18	---	29.97	26.44	29.41	30.09	30.92	30.77	30.36
30	31.66	31.78	31.93	30.87	---	29.06	26.59	29.46	30.46	30.63	30.75	30.89
31	31.52	---	32.01	30.71	---	30.07	---	29.49	---	30.59	30.74	---
MEAN	31.17	31.78	31.91	31.44	29.81	28.63	26.58	28.57	29.72	30.46	30.79	31.11
WTR YR 1979	MEAN	30.17		HIGH	23.29		LOW	32.23				

COOK COUNTY

310813083260301 Local number, 18H16.

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.--Principal artesian aquifer.

WELL CHARACTERISTICS.--Drilled observation well, diameter 8 in. (20.3 cm), depth 865 ft (263.6 m), cased to 207 ft (63.1 m), open hole.

DATUM.--Altitude of land-surface is 241 ft (73.5 m) National Geodetic Vertical Datum of 1929.

Measuring point: Floor of recorder shelter, 2.66 ft (0.811 m) above land-surface datum.

REMARKS.--Well pumped July 19, 1978; water-quality sample collected at conclusion of pumping. Borehole geophysical survey conducted October 24, 1974.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 163.34 ft (49.786 m) below land-surface datum, July 5, 1966; lowest, 172.50 ft (52.578 m) below land-surface datum, January 4, 1979.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	171.27	171.83	171.44	171.51	171.85	171.29	171.04	171.13	171.49	171.62	171.68	171.78
2	171.44	171.85	171.82	171.60	171.88	171.34	171.18	171.24	171.40	171.88	171.69	171.62
3	171.57	171.79	171.58	172.32	171.79	171.19	171.26	171.32	171.19	172.12	171.68	171.50
4	171.63	171.65	171.51	172.50	171.59	170.99	171.21	171.25	171.23	171.87	171.70	171.34
5	171.64	171.50	171.58	172.31	171.69	171.14	171.26	171.14	171.38	171.99	171.59	171.54
6	171.63	171.50	171.78	171.99	171.57	171.18	171.42	170.97	171.51	172.02	171.69	171.76
7	171.64	171.69	171.88	171.54	171.42	171.03	171.37	171.13	171.63	171.91	171.79	171.77
8	171.58	171.66	171.80	171.71	171.70	170.97	171.04	170.98	171.70	171.73	171.89	171.79
9	171.72	171.69	171.51	172.05	171.75	171.23	170.79	171.02	171.67	171.76	172.03	171.74
10	171.83	171.78	171.80	172.18	171.86	171.17	171.10	171.15	171.59	171.75	172.03	171.86
11	171.76	171.86	171.95	172.01	171.67	171.07	171.21	171.18	171.58	171.78	171.72	171.93
12	171.77	171.68	172.06	171.71	171.70	171.22	171.29	171.00	171.85	171.84	171.50	171.79
13	171.72	171.79	172.10	171.48	171.66	171.29	171.10	170.83	172.01	171.84	171.72	171.65
14	171.49	171.89	172.06	171.56	171.64	171.18	170.83	170.96	172.00	171.76	171.96	171.73
15	171.37	171.94	171.99	172.08	171.60	171.31	170.84	171.09	171.89	171.60	171.92	171.79
16	171.52	171.88	171.85	172.17	171.61	171.46	171.08	171.18	171.68	171.70	171.97	171.71
17	171.68	171.79	171.73	172.08	171.67	171.44	171.30	171.26	171.55	171.83	171.95	171.77
18	171.80	171.91	171.85	171.95	171.57	171.24	171.39	171.31	171.80	171.85	171.90	171.86
19	171.71	171.83	171.83	171.89	171.74	171.18	171.38	171.31	172.08	171.88	171.74	171.86
20	171.69	171.97	171.71	171.37	171.74	171.16	171.45	171.03	172.17	171.95	171.85	171.91
21	171.68	172.04	171.62	171.12	171.72	171.07	171.43	171.01	172.02	171.85	172.04	171.78
22	171.68	171.98	171.77	171.60	171.70	171.07	171.21	171.18	172.02	171.63	172.00	171.67
23	171.77	171.76	171.61	171.42	171.54	170.80	171.25	171.25	171.79	171.71	172.06	171.49
24	171.70	171.59	171.22	171.28	171.27	170.61	171.30	170.98	171.65	171.86	171.94	171.68
25	171.79	171.62	171.37	171.72	171.01	170.60	170.92	171.03	171.72	171.91	171.82	171.90
26	171.79	171.57	171.54	171.61	171.19	170.99	170.74	171.05	171.94	171.91	171.65	171.98
27	171.79	171.65	171.80	171.42	171.28	171.26	170.93	170.97	171.95	171.87	171.81	171.95
28	171.71	171.81	171.88	171.40	171.27	171.39	170.89	171.03	171.93	171.84	171.81	172.03
29	171.51	171.69	171.97	171.65	---	171.43	170.93	171.13	171.86	171.68	171.79	172.10
30	171.74	171.63	171.85	171.74	---	171.42	171.06	171.28	171.76	171.62	171.94	172.13
31	171.85	---	171.64	171.61	---	171.31	---	171.39	---	171.70	171.85	---
MEAN	171.66	171.76	171.75	171.76	171.60	171.16	171.14	171.12	171.73	171.81	171.83	171.78
WTR YR 1979	MEAN	171.59		HIGH	170.60		LOW	172.50				

DOUGHERTY COUNTY

313530084203201 Local number, 11L2.

LOCATION.--Lat 31°35'32", long 84°20'35", Hydrologic Unit 03130008, Tallahassee Plantation, 10.4 mi (16.7 km) west of Albany.

Owner: Georgia Department of Natural Resources.

AQUIFER.--Clayton Limestone.

WELL CHARACTERISTICS.--Drilled observation well, diameter 3 in. (7.6 cm), depth 656 ft (199.9 m), cased to 542 ft (165.2 m), open hole.

DATUM.--Altitude of land-surface datum is 222 ft (68 m), from topographic map.

Measuring point: Floor of recorder shelter, 3.02 ft (0.920 m) above land-surface datum.

REMARKS.--Well pumped April 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 (17.953 m) below land-surface datum, April 29, 1975; lowest, 92.00 ft (28.042 m) below land-surface datum, September 23, 1979.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	85.58	86.40	85.52	80.69	77.59	77.12	77.33	76.88	78.11	83.03	85.70	88.90
2	85.60	86.41	85.37	80.56	77.41	77.18	77.30	76.89	78.19	83.15	86.00	89.25
3	85.57	86.33	85.05	80.43	77.30	77.16	77.30	76.92	78.24	83.16	86.40	89.75
4	85.63	86.29	84.64	80.26	77.19	77.12	77.25	76.86	78.27	83.17	86.60	90.00
5	85.65	86.31	84.44	79.98	77.14	77.18	77.27	76.77	78.44	83.34	86.90	90.22
6	85.69	86.30	84.37	79.66	76.93	77.14	77.33	76.76	78.69	83.49	87.25	90.40
7	85.83	86.34	84.23	79.35	76.73	77.01	77.23	76.78	78.89	83.53	87.45	90.41
8	85.96	86.39	83.90	79.32	76.83	77.14	77.05	76.74	79.12	83.42	87.43	90.55
9	86.10	86.44	83.68	79.39	76.83	77.34	76.83	76.76	79.35	83.24	87.35	90.70
10	85.41	86.51	83.76	79.21	76.87	77.43	76.95	76.80	79.50	83.08	87.30	90.85
11	85.20	86.59	83.64	79.16	76.83	77.58	76.93	76.83	79.62	83.11	87.35	90.90
12	85.10	86.53	83.50	79.10	76.70	77.67	76.87	76.88	79.82	83.19	87.41	90.95
13	85.00	86.49	83.29	79.05	76.60	77.57	76.90	76.89	80.00	83.22	87.36	91.15
14	85.10	86.49	83.08	79.00	76.60	77.44	77.00	76.90	80.17	83.32	87.15	91.34
15	85.00	86.48	82.92	78.94	76.67	77.56	76.97	76.98	80.36	83.43	86.95	91.35
16	85.00	86.45	82.74	78.88	76.87	77.63	77.00	76.99	80.54	83.48	86.97	91.37
17	85.20	86.44	82.70	78.72	77.20	77.72	76.95	77.01	80.76	83.52	87.00	91.30
18	85.40	86.44	82.51	78.56	77.40	77.60	76.95	77.02	80.99	83.47	87.15	91.29
19	85.40	86.48	82.20	78.40	77.45	77.44	76.97	77.01	81.21	83.48	87.05	91.25
20	85.80	86.49	81.96	78.24	77.45	77.34	77.10	77.06	81.46	83.54	86.90	91.30
21	85.80	86.46	81.80	78.08	77.35	77.34	77.27	77.09	81.74	83.45	86.55	91.45
22	85.90	86.39	81.85	77.92	77.33	77.40	77.35	77.18	82.04	83.65	86.61	91.75
23	86.13	86.33	81.67	77.66	77.27	77.25	77.33	77.27	82.29	83.80	86.60	92.00
24	86.13	86.26	81.32	77.69	77.10	77.21	77.23	77.20	82.46	83.90	86.85	91.99
25	86.16	86.29	81.33	77.84	76.93	77.26	77.00	77.18	82.63	84.15	86.98	91.97
26	86.17	86.22	81.28	77.73	77.05	77.34	76.93	77.26	82.82	84.35	87.10	91.98
27	86.18	86.12	81.21	77.48	77.10	77.34	76.97	77.32	82.91	84.55	87.40	91.90
28	86.24	86.22	81.13	77.58	77.11	77.38	77.03	77.35	82.90	84.70	87.60	91.87
29	86.33	86.08	81.01	77.60	---	77.41	77.05	77.37	82.88	85.15	87.90	91.74
30	86.42	85.77	80.88	77.46	---	77.43	76.95	77.47	82.92	85.55	88.50	91.70
31	---	---	80.78	77.38	---	77.40	---	77.85	---	85.65	88.80	---
MEAN	85.69	86.36	82.83	78.75	77.07	77.36	77.09	77.04	80.58	83.72	87.11	91.05
WTR YR 1979	MEAN	82.07		HIGH	76.60		LOW	92.00				

DOUGHERTY COUNTY

313554084062601 Local number, 13L2.

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. (30.5 cm) and 8 in. (20.3 cm), depth 760 ft (231.6 m), cased to 713 ft (217.3 m), open hole.

DATUM.--Altitude of land-surface is 212.84 ft (64.874 m) National Geodetic Vertical Datum of 1929.

Measuring point: Floor of recorder shelter, 3.2 ft (0.98 m) above land-surface datum.

REMARKS.--Well pumped and sounded to a depth of 760 ft (231.6 m), June 21, 1978: water-quality sample collected at conclusion of pumping. Borehole geophysical survey conducted March 17, 1977.

PERIOD OF RECORD.--December 1957 to December 1959, January 1962 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 38.19 ft (11.640 m) below land-surface datum, April 1, 1959; lowest, 130.93 ft (39.907 m) below land-surface datum, September 17, 1979.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	115.47	117.54	114.27	110.09	109.17	106.69	106.63	108.74	110.61	122.67	124.38	128.25
2	115.20	117.63	114.37	109.85	109.13	106.60	106.70	108.87	110.60	119.09	124.90	128.71
3	114.97	117.67	114.23	109.97	109.02	106.46	106.78	109.04	110.47	122.10	124.80	127.98
4	115.00	117.79	113.90	110.01	108.92	106.32	106.87	109.20	110.34	124.07	125.54	128.17
5	115.15	117.91	113.76	110.02	108.88	106.35	107.14	109.44	110.30	125.18	125.99	128.03
6	115.41	117.98	113.83	110.04	108.63	106.20	107.37	109.65	110.59	125.88	126.14	128.55
7	115.72	117.88	113.84	109.94	108.45	106.14	107.53	109.72	111.03	125.96	125.90	128.90
8	115.98	117.93	113.71	109.93	108.74	106.31	107.41	109.77	111.47	125.96	126.18	128.72
9	116.03	117.86	113.57	110.01	108.96	106.68	107.05	109.82	111.98	125.96	126.16	129.31
10	115.89	117.73	113.70	109.97	109.26	106.70	107.05	109.94	112.43	125.96	123.90	129.61
11	115.82	117.57	113.11	109.85	109.26	106.63	107.12	110.08	112.85	125.96	125.81	129.71
12	115.94	117.30	112.58	109.74	109.08	106.45	107.35	110.26	113.35	125.96	126.52	129.89
13	116.09	116.98	112.50	109.70	108.94	106.10	107.52	110.34	113.93	125.96	126.77	130.21
14	116.28	116.71	112.52	109.82	108.83	105.82	107.73	110.28	114.55	125.96	126.78	130.59
15	116.39	116.52	112.53	109.93	108.71	105.82	107.75	110.18	115.05	125.96	126.73	130.78
16	116.16	116.38	112.56	109.81	108.55	105.80	107.63	110.16	115.51	125.96	126.93	130.90
17	116.10	116.28	112.66	109.72	108.52	105.75	107.59	110.37	115.84	125.96	127.16	130.93
18	116.16	116.26	112.50	109.70	108.36	105.57	107.66	110.61	115.86	125.96	127.33	130.76
19	116.11	116.22	112.17	109.74	108.19	105.39	107.89	110.78	116.13	125.96	127.56	128.67
20	116.13	116.10	111.99	109.50	107.92	105.31	108.25	110.90	117.89	125.96	127.63	128.97
21	116.35	115.86	111.86	109.49	107.61	105.51	108.67	110.81	122.39	125.96	127.80	129.61
22	116.57	115.71	111.99	109.69	107.46	105.82	108.98	110.49	123.33	126.03	128.14	130.04
23	116.70	115.61	111.88	109.45	107.20	105.90	109.18	110.28	123.41	126.57	128.51	128.08
24	116.68	115.47	111.44	109.27	106.88	106.03	109.26	110.42	123.40	126.82	128.91	128.60
25	116.87	115.31	111.41	109.50	106.65	106.09	109.13	110.67	123.38	126.96	129.25	128.95
26	116.98	115.07	111.20	109.36	106.84	106.17	109.06	110.81	123.37	127.15	129.17	129.18
27	117.10	114.80	111.00	109.12	106.89	106.06	109.01	110.76	123.37	127.36	129.23	129.33
28	117.29	114.70	110.81	109.21	106.79	105.97	109.13	110.48	123.37	127.42	129.31	129.47
29	117.44	114.51	110.71	109.23	---	106.08	109.13	110.20	123.37	127.44	129.39	129.48
30	117.53	114.28	110.59	109.07	---	106.28	108.96	110.23	123.36	126.40	129.24	127.84
31	117.52	---	110.42	108.98	---	106.54	---	110.46	---	122.56	126.85	---
MFAN	116.23	116.52	112.50	109.67	108.28	106.11	107.92	110.12	116.45	125.58	127.06	129.27
WTR YR 1979	MEAN	115.51		HIGH	105.31		LOW	130.93				

GROUND-WATER LEVELS

477

DOUGHERTY COUNTY

313748084002901 Local number, 13L3.

LOCATION.--Lat 31°37'48", long 84°00'29", Hydrologic Unit 03130008, near northeast corner of Marine Corps Supply Center, Acree, Ga.

Owner: City of Albany and Dougherty County.

AQUIFER.--Principal artesian aquifer.

WELL CHARACTERISTICS.--Drilled unused supply well, diameter 6 in. (15.2 cm), depth 259 ft (78.9 m), cased to 206 ft (62.8 m), open hole.

DATUM.--Altitude of land-surface is 225 ft (68.6 m) National Geodetic Vertical Datum of 1929.

Measuring point: Floor of recorder shelter, 4.10 ft (1.250 m) above land-surface datum.

REMARKS.--Well pumped and sounded June 21, 1978; water-quality sample collected at conclusion of pumping. Borehole geophysical survey conducted March 17, 1977.

PERIOD OF RECORD.--January 1963 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 17.41 ft (5.307 m) below land-surface datum, April 2, 1965; lowest, 43.89 ft (13.378 m) below land-surface datum, December 26, 1963.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	36.15	37.50	38.36	38.90	37.60	31.05	30.78	29.29	31.43	33.16	32.60	34.04
2	36.20	37.55	38.45	39.02	37.60	31.33	30.86	29.28	31.41	33.27	32.60	34.05
3	36.22	37.55	38.46	39.08	37.55	31.65	30.94	29.33	31.43	33.34	32.67	33.98
4	36.24	37.57	38.43	39.00	37.55	31.80	30.93	29.42	31.40	33.35	32.75	33.92
5	36.25	37.65	39.50	38.88	37.57	31.70	30.91	29.49	31.55	33.43	32.80	34.06
6	36.30	37.72	38.55	38.78	37.10	31.55	30.92	29.65	31.63	33.50	32.85	34.16
7	36.36	37.70	38.56	38.68	36.20	31.57	30.73	29.79	31.74	33.50	32.90	34.20
8	36.41	37.77	38.56	38.76	35.70	31.37	30.45	29.80	31.84	33.51	33.00	34.27
9	36.47	37.81	38.62	38.74	35.50	31.13	30.16	29.95	31.91	33.49	33.07	34.36
10	36.50	37.85	38.77	38.59	35.30	31.23	30.11	30.03	31.87	33.27	33.10	34.42
11	36.52	37.88	38.77	38.46	35.05	31.20	29.98	30.11	31.88	33.22	33.10	34.48
12	36.58	37.85	38.74	38.34	34.87	31.13	29.96	30.18	32.01	33.13	33.20	34.52
13	36.61	37.91	38.75	38.28	34.70	31.03	29.94	30.22	32.12	33.02	33.33	34.52
14	36.65	37.96	38.79	38.45	34.57	31.05	29.90	30.31	32.19	32.90	33.43	34.62
15	36.68	38.02	38.81	38.56	34.50	30.90	29.81	30.42	32.25	32.82	33.50	34.72
16	36.72	38.05	38.83	38.45	34.60	30.77	29.83	30.53	32.29	32.78	33.60	34.82
17	36.79	38.08	38.93	38.37	34.75	30.70	29.78	30.67	32.38	32.78	33.70	34.88
18	36.84	38.13	38.97	38.32	34.77	30.75	29.71	30.77	32.48	32.80	33.75	34.86
19	36.77	38.18	38.94	38.32	34.80	30.70	29.59	30.82	32.56	32.83	33.77	34.84
20	36.80	38.19	38.91	38.14	34.75	30.65	29.48	30.89	32.63	32.77	33.83	34.85
21	36.85	38.19	38.96	38.19	34.70	30.57	29.47	30.95	32.63	32.65	33.90	34.86
22	36.88	38.22	39.04	38.37	34.70	30.50	29.50	31.08	32.59	32.58	33.93	34.94
23	36.93	38.24	39.03	38.10	34.57	30.57	29.64	31.14	32.57	32.56	34.00	35.02
24	37.05	38.27	38.86	37.96	33.53	30.53	29.82	31.15	32.59	32.56	34.07	35.05
25	37.10	38.34	38.91	37.98	31.95	30.35	29.78	31.30	32.63	32.54	34.10	34.66
26	37.15	38.33	38.93	37.75	30.75	30.50	29.71	31.41	32.88	32.52	34.07	33.76
27	37.26	38.44	38.97	37.48	30.43	30.60	29.62	31.50	33.03	32.53	34.10	32.99
28	37.34	38.53	38.91	37.47	30.75	30.63	29.52	31.60	33.06	32.55	34.07	32.68
29	37.38	38.43	38.90	37.53	---	30.65	29.40	31.57	33.07	32.53	34.00	32.46
30	37.40	38.26	38.94	37.45	---	30.72	29.28	31.53	33.08	32.55	34.02	32.23
31	37.47	---	38.93	37.45	---	30.77	---	31.60	---	32.60	34.03	---
MEAN	36.74	38.01	38.78	38.32	34.87	30.96	30.02	30.51	32.24	32.94	33.48	34.24
WTR YR 1979	MEAN	34.26		HIGH	29.28		LOW	39.08				

GROUND-WATER LEVELS

FULTON COUNTY

334207084254801 Local number, 10DD2.

LOCATION.--Lat 33°42'07", long 84°25'48", Hydrologic Unit 03130002, 0.25 mi (0.4 km) south of main entrance, 260 ft (79.2 m) west of Roosevelt Highway.

Owner: U.S. Army, Ft. McPherson.

AQUIFER.--Biotite Gneiss.

WELL CHARACTERISTICS.--Drilled unused supply well, diameter 12 in. (30.5 cm), depth 338 ft (103.0 m), cased to 41 ft (12.5 m), open hole.

DATUM.--Altitude of land-surface datum is 1,013 ft (309 m), from topographic map.

Measuring point: At land-surface datum.

REMARKS.--Well pumped and sounded February 14, 1976, to a depth of 338 ft (103.0 m). Borehole geophysical survey conducted November 19, 1974.

PERIOD OF RECORD.--November 1973 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 0.77 ft (0.235 m) below land-surface datum, March 19, 1975; lowest, 7.52 ft (2.292 m) below land-surface datum, November 8, 1978.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.62	7.30	7.03	6.07	4.88	3.13	3.43	2.55	3.53	3.57	4.15	4.15
2	6.62	7.28	7.10	5.97	4.88	3.23	3.44	2.63	3.50	3.67	4.17	3.95
3	6.66	7.24	7.06	6.06	4.83	3.17	3.37	2.67	3.47	3.75	4.23	3.80
4	6.71	7.21	6.84	6.04	4.84	2.90	2.98	2.67	3.47	3.75	4.33	3.80
5	6.76	7.25	6.67	5.93	4.88	2.63	2.68	2.70	3.53	3.85	4.40	3.75
6	6.76	7.33	6.65	5.82	4.76	2.64	2.77	2.77	3.60	3.97	4.43	3.77
7	6.76	7.43	6.70	5.69	4.45	2.63	2.83	2.85	3.65	4.05	4.47	3.87
8	6.79	7.52	6.61	5.78	4.25	2.65	2.74	2.87	3.70	4.03	4.55	3.90
9	6.80	7.43	6.52	5.87	4.29	3.13	2.68	2.90	3.73	3.95	4.63	3.93
10	6.86	7.36	6.63	5.82	4.44	3.00	2.88	2.93	3.67	3.93	4.60	4.00
11	6.88	7.38	6.62	5.73	4.44	3.05	2.99	2.97	3.65	3.97	4.53	4.00
12	6.90	7.35	6.56	5.62	4.41	3.17	2.96	3.00	3.77	4.00	4.53	3.97
13	6.91	7.33	6.51	5.44	4.44	3.17	2.46	3.00	3.85	4.05	4.63	3.95
14	6.92	7.35	6.47	5.52	4.44	3.17	1.93	3.05	3.87	4.07	4.73	3.88
15	6.96	7.35	6.44	5.67	4.40	3.33	1.87	3.15	3.90	4.15	4.67	3.90
16	7.00	7.34	6.38	5.60	4.47	3.43	1.98	3.15	3.85	4.20	4.70	4.05
17	7.05	7.28	6.47	5.49	4.60	3.45	2.11	3.20	3.85	4.30	4.80	4.08
18	7.07	7.29	6.43	5.41	4.62	3.35	2.20	3.20	3.95	4.35	4.80	4.10
19	7.08	7.32	6.27	5.38	4.59	3.33	2.29	3.15	4.03	4.35	4.80	3.97
20	7.10	7.34	6.19	5.02	4.53	3.33	2.36	3.17	4.15	4.23	4.80	3.80
21	7.11	7.27	6.23	4.63	4.18	3.35	2.44	3.23	4.37	4.17	4.85	3.82
22	7.11	7.23	6.34	4.80	3.82	3.43	2.53	3.30	3.67	4.17	4.90	3.75
23	7.11	7.14	6.32	4.76	3.64	3.27	2.57	3.30	3.53	4.15	4.87	3.63
24	7.10	7.11	6.16	4.53	3.34	3.20	2.61	3.25	3.57	4.05	4.85	3.70
25	7.11	7.17	6.20	4.62	2.98	3.40	2.52	3.33	3.63	4.03	4.85	3.77
26	7.12	7.12	6.28	4.64	3.04	3.57	2.43	3.43	3.60	4.05	4.65	3.77
27	7.12	7.05	6.29	4.57	3.18	3.65	2.23	3.45	3.55	4.05	4.40	3.60
28	7.12	7.16	6.28	4.73	3.20	3.67	2.33	3.45	3.50	4.07	4.30	3.25
29	7.12	7.09	6.29	4.84	---	3.60	2.45	3.45	3.50	4.08	4.24	2.98
30	7.34	7.03	6.26	4.81	---	3.52	2.50	3.45	3.55	4.09	4.27	2.87
31	7.43	---	6.20	4.77	---	3.50	---	3.50	---	4.11	4.20	---
MEAN	6.97	7.27	6.48	5.34	4.24	3.23	2.59	3.09	3.71	4.04	4.56	3.79
WTR YR 1979	MEAN	4.61		HIGH	1.87		LOW	7.52				

GLYNN COUNTY

310726081285801 Local number, 34G1.

LOCATION.--Lat 31°07'26", long 81°28'58", Hydrologic Unit 03070203, Babcock and Wilcox yards near Newcastle Street and King Shrimp Co. in Brunswick.

Owner: Babcock and Wilcox Co.

AQUIFER.--Principal artesian aquifer.

WELL CHARACTERISTICS.--Drilled unused industrial well, diameter 18 in. (45.7 cm), depth 1,006 ft (306.6 m), cased to 589 ft (179.5 m), open hole.

DATUM.--Altitude of land-surface is 9 ft (2.7 m) National Geodetic Vertical Datum of 1929.

Measuring point: Center of recorder, 2.0 ft (0.61 m) above land-surface datum.

REMARKS.--Borehole geophysical survey conducted May 28, 1964.

PERIOD OF RECORD.--December 1962 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 24.93 ft (7.600 m) above land-surface datum, December 12, 1960; lowest, 3.47 ft (1.058 m) above land-surface datum, July 21, 1977.

WATER LEVEL, IN FEET ABOVE LAND SURFACE DATUM . WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.69	7.84	5.89	9.15	7.15	7.21	7.75	7.03	6.57	6.05	7.49	6.28
2	6.80	7.64	6.15	9.05	6.90	7.23	7.50	6.97	6.60	5.90	7.85	6.48
3	6.81	7.44	6.25	8.85	6.75	7.45	7.45	7.12	6.60	5.77	8.33	6.73
4	6.62	7.40	6.15	8.40	6.97	7.70	7.35	7.05	6.37	6.00	8.50	7.35
5	5.98	7.20	6.15	7.75	6.57	7.80	7.30	7.12	6.12	5.82	8.75	7.35
6	6.32	7.20	6.20	7.90	6.95	8.08	7.23	7.17	6.07	5.60	8.75	6.95
7	5.97	7.00	5.80	8.20	7.00	8.03	7.33	7.15	6.00	5.67	8.78	6.88
8	6.32	6.80	5.83	7.85	6.65	7.83	7.58	7.12	6.02	5.77	8.78	6.80
9	6.50	6.80	6.12	8.10	6.65	7.65	7.85	7.00	6.00	5.77	9.13	6.75
10	5.97	7.00	5.88	8.35	6.75	7.75	7.50	6.95	6.20	5.90	9.23	6.35
11	6.95	7.10	5.73	7.50	6.75	7.98	7.50	7.07	6.05	5.67	9.33	5.55
12	6.42	7.10	5.78	7.80	6.77	7.94	6.98	7.12	5.77	5.55	9.53	5.55
13	6.75	7.10	5.95	8.33	6.70	7.90	7.23	7.30	5.85	5.57	9.23	5.58
14	6.72	7.20	6.00	7.97	6.75	8.28	7.45	7.22	6.00	5.85	8.25	5.58
15	6.30	7.20	5.98	7.25	6.70	8.58	7.60	7.15	6.05	5.97	7.48	5.65
16	7.63	7.01	5.95	7.09	6.70	8.25	7.60	7.05	5.98	5.97	7.15	6.00
17	6.25	6.93	5.62	7.73	6.97	8.17	6.90	7.15	6.10	5.80	6.98	6.28
18	6.14	7.01	5.70	7.45	7.00	8.10	7.45	7.10	6.20	5.85	6.98	6.38
19	6.18	7.09	6.02	7.45	6.80	8.08	7.37	7.20	6.02	5.60	6.95	6.18
20	6.64	7.01	6.42	7.50	6.50	8.00	7.52	7.37	6.00	5.85	6.75	6.05
21	6.75	6.85	6.66	7.93	6.95	8.00	7.45	7.47	5.90	5.82	6.58	5.88
22	6.77	7.01	7.06	7.70	7.00	8.23	7.57	7.80	6.07	5.85	6.48	5.78
23	6.82	6.93	7.30	7.48	7.15	8.35	7.35	8.27	6.25	5.55	6.30	5.88
24	6.57	6.93	7.86	7.60	7.25	8.33	7.25	8.72	6.35	5.50	6.20	5.65
25	7.12	6.85	9.26	7.75	7.72	8.08	7.07	8.65	6.22	5.47	6.15	6.03
26	7.47	6.93	9.74	7.38	7.32	7.78	7.20	8.40	5.70	5.40	6.28	5.85
27	7.07	6.85	9.90	7.50	7.20	7.60	6.92	7.60	5.75	5.40	6.23	6.17
28	6.50	7.05	10.06	7.83	7.25	7.50	6.87	7.25	5.85	5.55	6.10	6.02
29	6.05	6.85	9.66	7.85	---	7.55	6.90	7.05	5.90	5.80	6.05	6.05
30	6.70	6.65	9.26	7.39	---	7.65	7.00	6.77	6.05	6.27	6.10	6.32
31	6.97	---	9.25	7.25	---	7.70	---	6.84	---	6.88	6.18	---
MEAN	6.60	7.07	6.95	7.85	6.92	7.90	7.33	7.33	6.09	5.79	7.51	6.21
WTR YR 1979	MEAN	6.97		MAX	10.06	MIN	5.40					

GROUND-WATER LEVELS

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.--Principal artesian aquifer.

WELL CHARACTERISTICS.--Drilled observation well, diameter 4 in. (10.1 cm), depth 790 ft (240.8 m), cased to 520 ft (158.5 m), open hole.

DATUM.--Altitude of land-surface is 7 ft (2.1 m) National Geodetic Vertical Datum of 1929.

Measuring point: Floor of recorder shelter, 3.0 ft (0.91 m) above land-surface datum.

REMARKS.--Well pumped monthly; water-quality samples collected at conclusion of pumping. Borehole geophysical survey conducted September 26, 1977.

PERIOD OF RECORD.--January 1963 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 9.07 ft (2.765 m) above land-surface datum, December 26, 1965; lowest, 21.87 ft (6.666 m) below land-surface datum, July 22, 1977.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	18.25	18.98	19.36	15.27	18.99	18.10	16.14	15.50	18.33	18.53	13.73	19.03
2	18.30	19.29	19.47	16.03	19.11	17.73	16.14	15.67	18.37	18.45	13.60	19.07
3	18.27	19.11	19.40	17.10	19.06	16.84	16.37	15.77	18.35	18.83	12.87	19.03
4	18.64	19.16	19.21	18.42	18.85	16.51	16.35	16.40	18.40	18.90	12.55	16.10
5	18.15	19.14	19.38	18.21	18.93	16.38	16.37	16.45	18.45	18.63	12.27	15.60
6	18.24	19.17	19.80	18.06	18.70	16.41	16.40	16.20	18.70	19.63	12.07	17.95
7	18.62	19.04	19.77	18.17	18.75	16.28	15.65	16.97	18.90	19.97	12.30	18.25
8	18.79	19.27	19.73	18.34	18.80	16.30	15.53	15.87	18.85	19.80	12.17	18.50
9	18.88	19.29	19.67	18.68	18.87	16.44	15.53	16.10	18.65	19.67	11.77	18.25
10	18.94	19.30	19.78	18.75	19.00	16.33	15.75	16.10	18.53	19.97	11.67	18.50
11	18.80	19.34	19.68	18.76	19.03	15.97	16.25	15.93	19.23	20.00	11.35	18.83
12	18.83	19.42	19.55	18.60	18.85	14.98	16.40	16.00	19.75	20.13	11.25	19.03
13	18.45	19.29	19.60	18.45	18.67	13.51	16.15	16.03	19.97	19.45	13.63	18.85
14	18.74	19.30	19.52	18.46	19.00	12.82	16.25	16.05	20.05	18.93	16.65	18.70
15	18.95	19.47	19.47	18.83	18.83	12.96	16.27	16.03	19.53	19.23	18.05	19.17
16	18.79	19.59	19.40	18.87	18.75	14.41	16.50	16.20	19.00	19.53	17.93	19.35
17	18.91	19.48	19.56	19.01	18.85	15.41	16.75	16.45	18.75	19.65	18.27	19.37
18	19.02	19.56	19.37	18.83	18.70	15.43	16.55	16.57	19.15	19.15	18.15	19.53
19	19.04	19.39	19.08	18.90	18.75	15.43	16.65	16.40	20.00	18.85	17.80	19.45
20	19.07	19.17	18.88	18.48	18.87	15.69	17.03	16.30	19.37	19.07	18.07	19.63
21	19.21	18.85	18.53	18.40	18.50	16.04	16.65	13.47	19.45	19.45	18.33	19.20
22	18.86	18.39	18.63	18.58	18.45	16.01	15.97	12.30	19.30	19.53	18.70	18.75
23	18.77	18.59	18.20	18.70	18.45	15.94	15.50	12.50	19.05	19.63	19.03	18.30
24	18.20	18.76	15.50	18.53	18.27	15.66	15.60	15.50	18.83	19.85	18.70	18.45
25	18.59	19.27	13.00	19.01	17.75	15.61	15.93	16.50	18.60	19.83	19.17	18.77
26	18.93	19.33	10.55	18.95	17.83	15.89	15.53	17.00	19.00	19.97	19.07	18.40
27	19.28	19.23	10.60	18.68	18.07	16.01	15.30	17.45	19.05	20.07	18.95	18.63
28	19.25	19.65	12.10	18.59	18.17	15.89	15.30	18.55	18.90	19.67	19.33	18.97
29	18.98	19.54	12.80	18.84	---	16.43	15.27	19.10	18.77	19.40	19.37	18.85
30	19.04	19.46	13.40	18.81	---	16.45	15.23	18.77	18.63	17.00	19.57	18.45
31	19.07	---	13.77	18.86	---	16.14	---	18.55	---	14.60	19.06	---
MEAN	18.77	19.23	17.64	18.39	18.67	15.81	16.04	16.22	19.00	19.21	15.98	18.63
WTR YR 1979	MEAN	17.79		HIGH	10.55		LOW	20.13				

LAMAR COUNTY

330858084122901 Local number, 1221.

LOCATION.--Lat 33°08'58", long 84°12'29", Hydrologic Unit 03130005, north of Milner, Ga., at the gas storage center.

Owner: Dixie Pipeline Co.

AQUIFER.--Residuum.

WELL CHARACTERISTICS.--Bored observation well, diameter 24 in. (61.0 cm), depth 31 ft (9.4 m), cased to 31 ft (9.4 m).

DATUM.--Altitude of land-surface is 852 ft (259.7 m) National Geodetic Vertical Datum of 1929.

Measuring point: Floor of recorder shelter, 2.0 ft (0.61 m) above land-surface datum.

REMARKS.--None.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 5.37 ft (1.637 m) below land-surface datum, April 9, 1973; lowest, 13.63 ft

(4.154 m) below land-surface datum, December 15, 1970.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11.55	12.63	13.20	12.68	10.39	7.25	8.45	6.57	8.30	9.45	9.95	11.03
2	11.57	12.66	13.30	12.59	10.44	7.30	8.50	6.67	8.20	9.50	10.03	11.05
3	11.64	12.68	13.37	12.42	10.45	7.37	8.50	6.75	8.17	9.57	10.10	11.09
4	11.67	12.73	13.23	12.25	10.42	7.27	8.25	6.80	8.15	9.60	10.15	11.12
5	11.73	12.75	13.07	12.09	10.43	7.15	7.85	6.85	8.15	9.65	10.23	11.15
6	11.75	12.78	13.00	11.98	10.42	7.07	7.57	6.85	8.20	9.70	10.27	11.19
7	11.78	12.81	12.90	11.86	10.15	7.04	7.40	6.86	8.25	9.75	10.30	11.23
8	11.83	12.84	12.80	11.75	9.95	7.05	7.25	6.87	8.33	9.80	10.35	11.26
9	11.86	12.86	12.75	11.78	9.80	7.20	7.10	6.90	8.40	9.83	10.40	11.30
10	11.80	12.88	12.73	11.79	9.67	7.30	7.03	6.95	8.43	9.83	10.44	11.33
11	11.83	12.93	12.74	11.76	9.60	7.30	6.97	7.03	8.46	9.85	10.47	11.37
12	11.96	12.95	12.75	11.70	9.53	7.35	6.97	7.10	8.55	9.93	10.50	11.39
13	12.00	12.97	12.76	11.58	9.50	7.40	6.90	7.20	8.60	9.97	10.57	11.42
14	12.03	13.00	12.79	11.48	9.53	7.43	6.65	7.27	8.65	10.03	10.61	11.45
15	12.07	13.03	12.83	11.47	9.54	7.50	6.43	7.37	8.73	10.05	10.65	11.50
16	12.12	13.05	12.85	11.46	9.55	7.63	6.37	7.45	8.75	10.10	10.68	11.53
17	12.15	13.09	12.90	11.42	9.63	7.75	6.40	7.53	8.80	10.15	10.73	11.53
18	12.17	13.12	12.94	11.39	9.70	7.66	6.45	7.60	8.85	10.17	10.77	11.50
19	12.23	13.14	12.97	11.38	9.75	7.81	6.50	7.63	8.90	10.20	10.80	11.49
20	12.25	13.17	13.00	11.30	9.73	7.95	6.60	7.70	8.97	10.17	10.84	11.50
21	12.29	13.10	13.03	11.15	9.45	8.03	6.70	7.75	9.03	10.07	10.88	11.52
22	12.33	13.19	13.07	11.03	9.07	8.10	6.80	7.83	9.05	9.97	10.89	11.55
23	12.35	13.20	13.10	10.81	8.73	8.05	6.90	7.90	9.10	9.87	10.93	11.57
24	12.37	13.22	13.05	10.61	8.13	8.00	6.95	7.93	9.15	9.78	10.87	11.62
25	12.41	13.24	12.93	10.51	7.50	8.07	6.90	8.00	9.20	9.67	10.87	11.64
26	12.44	13.27	12.85	10.40	7.25	8.17	6.60	8.05	9.25	9.65	10.87	11.67
27	12.47	13.29	12.76	10.31	7.26	8.25	6.40	8.15	9.30	9.65	10.90	11.59
28	12.50	13.25	12.73	10.29	7.25	8.30	6.40	8.20	9.33	9.70	10.93	11.43
29	12.54	13.25	12.70	10.31	---	8.35	6.45	8.25	9.37	9.75	10.96	11.28
30	12.57	13.17	12.70	10.34	---	8.40	6.52	8.30	9.40	9.83	11.00	11.10
31	12.59	---	12.70	10.34	---	8.43	---	8.35	---	9.90	11.03	---
MEAN	12.09	13.01	12.92	11.36	9.39	7.68	7.03	7.44	8.73	9.84	10.61	11.38
WTR YR 1979	MEAN	10.13		HIGH	6.37		LOW	13.37				

GROUND-WATER LEVELS

LAURENS COUNTY

322652083033001 Local number, 21T1.

LOCATION.--Lat 32°26'52", long 83°03'30", Hydrologic Unit 03070102, approximately 1.8 mi (2.8 km) northeast of Dexter, Ga.

Owner: Danny Hogan.

AQUIFER.--Principal artesian aquifer.

WELL CHARACTERISTICS.--Drilled unused domestic well, diameter 4 in. (10.1 cm), depth 123 ft (37.5 m), cased to 89 ft (27.1 m), open hole.

DATUM.--Altitude of land-surface datum is 252 ft (76.8 m), from barometric levels.

Measuring point: Floor of recorder shelter, 2.57 ft (0.783 m) 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, 24.11 ft (7.349 m) below land-surface datum, February 14, 1972; lowest, 39.58 ft (12.064 m) below land-surface datum, November 12, 1968.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	35.10	36.62	---	37.57	33.12	25.61	26.70	27.87	29.14	28.77	28.87	32.31
2	35.15	36.64	---	37.46	33.09	25.53	26.77	27.86	29.14	28.80	28.94	32.42
3	35.19	36.67	---	37.47	33.01	25.44	26.88	27.86	29.14	28.90	29.00	32.48
4	35.26	36.70	---	37.40	32.90	25.33	26.96	27.86	29.14	28.98	29.14	32.50
5	35.33	36.75	---	37.25	32.84	25.28	27.05	27.88	29.14	29.15	29.29	32.51
6	35.40	36.79	---	37.05	32.70	25.25	27.22	27.94	29.18	29.34	29.43	32.61
7	35.49	36.80	37.87	36.86	32.18	25.20	27.40	28.02	29.27	29.47	29.57	32.69
8	35.57	36.82	37.85	36.71	31.61	25.17	27.48	28.03	29.30	29.59	29.74	32.77
9	35.65	36.85	37.78	36.64	31.02	25.21	27.48	28.03	29.21	29.65	29.91	32.88
10	35.67	36.88	37.88	36.45	30.69	25.27	27.60	28.16	29.06	29.69	30.07	32.98
11	35.68	36.92	37.92	36.24	30.38	25.22	27.74	28.22	28.96	29.79	30.18	33.05
12	35.71	36.92	37.91	36.01	30.11	25.23	27.87	28.29	28.92	29.88	30.30	33.10
13	35.76	36.93	37.90	35.82	29.88	25.27	27.93	28.25	28.93	29.94	30.50	33.11
14	35.80	36.95	37.88	35.66	29.74	25.26	27.97	28.12	28.99	30.06	30.66	33.20
15	35.89	36.96	37.88	35.62	29.58	25.31	28.02	28.04	29.06	30.17	30.80	33.33
16	35.92	36.97	37.86	35.53	29.46	25.40	28.13	27.98	29.10	30.32	30.94	33.47
17	35.99	36.98	37.89	35.37	29.45	25.46	28.23	27.97	29.19	30.47	31.11	33.53
18	36.07	37.00	37.91	35.14	29.48	25.48	28.33	27.97	29.34	30.57	31.23	33.53
19	36.07	37.05	37.85	35.04	29.46	25.49	28.45	27.96	29.49	30.48	31.32	33.53
20	36.08	37.09	37.82	34.82	29.44	25.52	28.53	27.96	29.65	30.27	31.45	33.58
21	36.16	37.09	37.80	34.58	29.30	25.61	28.61	27.96	29.80	30.00	31.58	33.59
22	36.23	37.09	37.89	34.58	28.96	25.68	28.72	28.01	29.83	29.77	31.69	33.59
23	36.26	37.09	37.93	34.43	28.47	25.70	28.82	28.12	29.88	29.57	31.72	33.67
24	36.26	37.09	37.78	34.12	27.49	25.72	28.91	28.18	29.89	29.39	31.72	33.76
25	36.32	37.15	37.74	34.01	26.66	25.85	28.87	28.31	29.65	29.24	31.75	33.79
26	36.36	37.17	37.74	33.83	26.19	26.03	28.63	28.50	29.33	29.07	31.82	33.68
27	36.40	37.15	37.74	33.60	25.94	26.19	28.39	28.64	29.09	28.95	31.88	33.56
28	36.45	37.20	37.72	33.45	25.75	26.32	28.19	28.76	28.93	28.89	31.94	33.28
29	36.50	37.22	37.71	33.40	---	26.44	28.03	28.89	28.84	28.84	32.03	32.79
30	36.56	---	37.68	33.28	---	26.53	27.94	29.00	28.79	28.83	32.13	32.48
31	36.61	---	37.65	33.14	---	26.62	---	29.09	---	28.83	32.22	---
MEAN	35.90	36.95	37.82	35.44	29.96	25.60	27.93	28.19	29.25	29.54	30.74	33.13
WTR YR 1979	MEAN	31.60		HIGH	25.17		LOW	37.93				

LIBERTY COUNTY

314343081251901 Local number, 34M54.

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.--Principal artesian aquifer.

WELL CHARACTERISTICS.--Drilled observation well, diameter 4 in. (10.1 cm), depth 802 ft (244.4 m), cased to 467 ft (142.3 m), open hole.

DATUM.--Altitude of land-surface is 19 ft (5.8 m) National Geodetic Vertical Datum of 1929.

Measuring point: Floor of recorder shelter, 3.4 ft (1.04 m) 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.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 0.85 ft (0.259 m) below land-surface datum, February 5, 1967; lowest, 21.10 ft (6.431 m) below land-surface datum, February 19, 1979.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	19.35	19.83	20.15	20.15	20.25	20.48	20.23	19.95	20.55	20.35	20.75	20.90
2	19.43	19.85	20.30	20.20	20.35	20.70	20.20	20.10	20.50	20.45	20.75	20.85
3	19.32	19.80	20.30	20.50	20.35	20.42	20.25	20.10	20.40	20.50	20.80	20.65
4	19.32	19.75	20.15	20.60	20.35	20.25	20.15	20.05	20.35	20.50	20.90	20.10
5	19.40	19.87	20.15	20.60	20.55	20.25	20.07	20.00	20.18	20.55	20.90	20.40
6	19.43	19.50	20.40	20.45	20.55	20.25	20.22	19.90	20.18	20.55	20.60	20.55
7	19.45	18.65	20.43	20.45	20.50	20.20	20.30	19.95	20.20	20.45	20.60	20.55
8	19.55	18.05	20.40	20.35	20.75	20.18	20.32	20.00	20.30	20.30	20.70	20.55
9	19.65	18.30	20.25	20.45	20.85	20.22	20.12	19.95	20.30	20.25	20.80	20.55
10	19.60	19.00	20.50	20.45	21.05	20.10	20.25	19.90	20.40	20.15	20.75	20.60
11	19.50	19.50	20.55	20.35	21.05	20.00	20.35	19.80	20.40	20.30	20.65	20.60
12	19.42	19.65	20.55	20.15	21.00	20.20	20.30	19.70	20.50	20.50	20.55	20.65
13	19.38	19.75	20.55	20.00	20.95	20.15	20.25	19.70	20.60	20.50	20.70	20.50
14	19.38	19.90	20.60	20.20	20.98	19.72	20.30	19.75	20.70	20.50	20.75	20.50
15	19.40	19.88	20.45	20.45	20.95	19.90	20.40	19.90	20.65	20.50	20.80	20.60
16	19.45	19.90	20.45	20.45	20.90	20.05	19.75	19.80	20.40	20.45	20.90	20.65
17	19.60	20.05	20.50	20.45	21.00	20.05	18.80	19.80	20.40	20.50	20.80	20.68
18	19.68	20.10	20.55	20.50	21.05	19.87	18.15	19.80	20.55	20.50	20.75	20.65
19	19.60	20.30	20.40	20.55	21.10	19.75	18.20	19.80	20.60	20.60	20.70	20.30
20	19.55	20.35	20.25	20.25	20.40	19.70	18.10	20.05	20.65	20.70	20.65	20.50
21	19.58	20.25	20.25	20.15	20.65	19.85	18.25	20.10	20.45	20.70	20.65	20.55
22	19.63	20.32	20.40	20.50	20.82	20.10	18.90	20.25	20.30	20.75	20.70	20.50
23	19.50	20.25	19.90	20.45	20.75	20.00	19.40	20.30	20.25	20.74	20.75	20.55
24	19.45	20.18	19.00	20.25	20.50	19.80	19.70	20.12	20.35	20.75	20.75	20.60
25	19.55	20.25	18.70	20.50	20.25	19.95	19.70	20.12	20.50	20.75	20.75	20.63
26	19.55	20.25	18.65	20.50	20.30	20.18	19.60	20.15	20.50	20.75	20.80	20.65
27	19.65	20.25	19.25	20.30	20.42	20.22	19.65	20.20	20.45	20.75	20.75	20.60
28	19.75	20.30	19.80	20.30	20.50	20.08	19.75	20.25	20.35	20.75	20.75	20.45
29	19.75	20.30	19.95	20.45	---	20.10	19.80	20.25	20.30	20.80	20.75	20.45
30	19.85	20.15	20.10	20.50	---	20.22	19.85	20.35	20.30	20.70	20.85	20.35
31	19.90	---	20.15	20.10	---	20.25	---	20.45	---	20.80	20.90	---
MEAN	19.54	19.82	20.13	20.37	20.68	20.10	19.71	20.02	20.42	20.56	20.75	20.56
WTR YR 1979	MEAN	20.22		HIGH	18.05		LOW	21.10				

LONG COUNTY

313844081361401 Local number, 33M4.

LOCATION.--Lat 31°38'44", long 81°36'14", Hydrologic Unit 03070106, 9 mi (14.4 km) southeast of Ludowici, at Hope Cemetery.

Owner: U.S. Geological Survey, test well 3.

AQUIFER.--Principal artesian aquifer.

WELL CHARACTERISTICS.--Drilled observation well, diameter 4-3 in (10.1-7.6 cm), depth 872 ft (265.8 m), cased to 538 ft (164.0 m), open hole.

DATUM.--Altitude of land-surface is 61.2 ft (18.65 m) National Geodetic Vertical Datum of 1929.

Measuring point: Top of recorder shelter, 3.5 ft (1.07 m) above land-surface datum.

REMARKS.--Well pumped and sounded June 17, 1976, to depth of 861 ft (262.4 m); water-quality sample collected. 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 (10.375 m) below land-surface datum, January 14, 1968; lowest, 50.28 ft (15.325 m) below land-surface datum, August 30, 1979.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	47.73	49.36	49.51	48.75	49.51	49.69	49.78	48.47	49.46	49.65	50.00	50.25
2	47.82	49.37	49.62	48.75	49.60	49.73	49.74	48.57	49.42	49.75	49.47	50.23
3	47.87	49.28	49.67	49.05	49.55	49.67	49.74	48.63	49.37	49.75	50.03	50.20
4	47.95	49.24	49.50	49.21	49.52	49.59	49.67	48.65	49.32	49.75	50.07	49.77
5	47.99	49.31	49.48	49.13	49.55	49.57	49.70	48.63	49.34	49.80	50.13	49.70
6	48.06	49.38	49.65	49.00	49.44	49.54	49.82	48.67	49.40	49.90	50.13	49.70
7	48.14	49.31	49.73	48.88	49.31	49.44	49.87	48.75	49.46	49.93	50.14	49.46
8	48.27	49.31	49.64	48.92	49.50	49.42	49.78	48.75	49.56	49.87	50.17	49.25
9	48.43	49.37	49.63	49.17	49.58	49.58	49.55	48.77	49.58	49.77	50.20	49.13
10	48.47	49.43	49.58	49.19	49.73	49.58	49.63	48.85	49.51	49.73	50.15	49.00
11	48.39	49.52	49.61	49.14	49.74	49.53	49.64	48.85	49.42	49.77	50.03	48.88
12	48.45	49.50	49.63	49.00	49.67	49.65	49.45	48.85	49.54	49.83	49.97	48.75
13	48.51	49.51	49.62	48.88	49.63	49.69	49.18	48.87	49.61	49.80	50.07	48.67
14	48.55	49.52	49.61	49.12	49.67	49.58	48.93	48.90	49.68	49.80	50.20	48.73
15	48.66	49.51	49.59	49.48	49.59	49.68	48.69	48.97	49.63	49.80	50.15	48.85
16	48.69	49.50	49.60	49.42	49.57	49.86	48.53	49.03	49.51	49.83	50.17	49.02
17	48.80	49.48	49.54	49.36	49.73	49.92	48.41	49.10	49.51	49.85	50.23	49.13
18	48.95	49.48	49.71	49.26	49.81	49.80	48.27	49.10	49.56	49.85	50.20	49.15
19	48.89	49.54	49.72	49.25	49.84	49.69	48.15	49.03	49.61	49.90	50.20	49.12
20	48.88	49.63	49.50	48.91	49.87	49.63	48.07	49.00	49.68	49.95	50.17	49.17
21	48.93	49.62	49.48	48.89	49.80	49.62	48.08	49.05	49.71	49.95	50.15	49.18
22	49.00	49.62	49.61	49.20	49.77	49.64	48.10	49.10	49.67	49.97	50.15	49.17
23	49.03	49.60	49.64	49.09	49.69	49.50	48.15	49.15	49.65	50.01	50.17	49.26
24	48.98	49.52	49.50	49.03	49.58	49.31	48.13	49.00	49.65	50.05	50.17	49.38
25	49.03	49.57	49.47	49.25	49.40	49.49	47.95	49.10	49.67	50.03	50.23	49.47
26	49.04	49.60	49.35	49.24	49.49	49.71	47.90	49.20	49.75	49.99	50.26	49.53
27	49.07	49.55	49.28	49.14	49.63	49.83	48.03	49.29	49.75	49.99	50.23	49.45
28	49.12	49.62	49.26	49.26	49.67	49.91	48.15	49.29	49.73	50.00	50.23	49.43
29	49.20	49.62	49.20	49.41	---	49.93	48.33	49.27	49.70	50.00	50.24	49.43
30	49.22	49.53	49.10	49.40	---	49.89	48.40	49.33	49.65	49.99	50.28	49.40
31	49.33	---	48.91	49.37	---	49.87	---	49.43	---	50.03	50.24	---
MEAN	48.63	49.48	49.51	49.13	49.62	49.66	48.86	48.96	49.57	49.88	50.14	49.33
WTR YR 1979	MEAN	49.40		HIGH	47.73		LOW	50.28				

GROUND-WATER LEVELS

LOWNDES COUNTY

304949083165301 Local number, 19E9.

LOCATION.--Lat 30°49'49", long 83°16'53", Hydrologic Unit 03110202, N. Oak Street, one block north of intersection with U.S. Highway 84, Valdosta, Ga.

Owner: City of Valdosta.

AQUIFER.--Principal artesian aquifer.

WELL CHARACTERISTICS.--Drilled unused municipal supply well, diameter 20 in. (50.8 cm), depth 342 ft (104.2 m), cased to 200 ft (61.0 m) open hole.

DATUM.--Altitude of land-surface datum is 217 ft (66 m), from topographic map.

Measuring point: Top of casing, 1.7 ft (0.56 m) 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.

PERIOD OF RECORD.--February 1957 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 112.69 ft (34.350 m) below land-surface datum, March 9, 1964; lowest, 143.50 ft (43.739 m) below land-surface datum, October 31, 1968.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	136.72	141.63	138.06	131.52	129.26	124.54	126.30	126.10	127.48	131.51	129.19	129.26
2	137.01	141.43	137.42	132.04	128.70	123.78	126.32	126.75	127.81	131.62	129.46	129.14
3	138.10	140.96	136.51	133.40	128.56	123.95	126.89	127.14	127.81	132.48	129.04	128.57
4	138.37	141.48	135.84	133.76	128.03	123.28	126.87	127.14	127.85	133.10	128.90	128.46
5	138.50	140.80	136.14	132.63	127.82	123.13	126.32	126.72	128.50	133.46	129.04	129.24
6	138.78	141.30	136.00	132.32	128.50	122.95	126.30	126.53	129.44	133.55	128.86	129.96
7	140.48	141.66	135.52	131.62	128.17	123.74	126.62	126.08	129.53	133.62	128.92	129.42
8	139.33	142.07	134.87	131.53	128.23	123.83	125.79	127.72	129.88	134.07	129.55	129.35
9	139.27	141.74	134.22	131.81	127.62	123.39	125.82	127.62	130.30	133.57	129.83	129.36
10	139.85	141.63	133.91	131.89	127.57	123.87	126.00	125.77	130.79	133.32	129.67	129.53
11	140.00	141.72	133.76	131.93	126.87	123.37	126.51	125.28	131.11	132.96	129.53	129.40
12	139.98	141.66	134.19	130.90	126.30	123.36	126.55	125.66	131.96	132.33	129.39	129.63
13	139.55	141.55	134.50	129.96	126.14	123.54	126.26	125.37	132.79	131.60	129.08	130.05
14	139.99	141.52	134.14	130.41	126.55	124.22	125.90	124.98	133.32	131.35	128.85	129.52
15	139.28	142.25	133.81	131.15	126.73	124.51	125.82	125.80	132.43	130.58	129.58	129.53
16	139.53	141.91	134.26	131.72	126.08	124.23	125.54	126.17	132.21	130.50	129.45	129.74
17	140.43	141.88	134.19	131.24	125.54	124.43	126.28	125.91	132.39	130.68	129.50	129.61
18	140.92	142.10	134.44	130.93	125.81	123.91	126.32	125.73	132.90	130.63	129.56	130.24
19	140.69	141.74	134.58	130.27	126.04	123.82	125.91	126.33	133.87	130.14	130.04	130.60
20	140.51	141.83	135.20	130.08	126.08	124.76	125.83	125.90	134.58	129.67	129.89	130.82
21	140.94	141.92	135.11	129.76	126.26	124.86	125.94	125.87	133.99	129.62	129.63	129.93
22	140.83	142.67	135.03	129.43	126.88	124.98	125.89	127.18	133.64	129.71	130.16	129.93
23	141.58	141.79	135.30	129.41	126.31	123.90	125.83	127.13	133.40	129.22	130.84	129.90
24	141.14	141.26	134.43	129.62	125.78	124.43	125.84	127.19	133.01	128.95	129.68	129.65
25	141.86	141.77	132.44	129.96	125.06	124.06	125.93	127.18	133.05	129.48	129.68	130.04
26	141.59	141.66	132.48	129.37	124.56	123.96	126.55	126.66	132.24	130.13	129.80	130.00
27	141.13	141.52	133.18	128.98	124.27	124.76	126.01	126.30	132.47	129.77	129.52	130.41
28	140.99	141.70	133.19	128.76	124.34	125.69	125.96	126.62	132.30	129.08	129.19	129.81
29	140.85	141.65	132.72	128.46	---	126.50	126.08	126.97	131.41	128.77	129.58	129.20
30	140.62	140.49	132.75	128.30	---	126.32	126.04	128.20	131.32	129.01	129.88	128.60
31	141.26	---	132.41	128.94	---	126.63	---	127.87	---	128.83	129.57	---
MEAN	140.00	141.64	134.54	130.71	126.72	124.28	126.14	126.51	131.46	131.07	129.51	129.63
WTR YR 1979	MEAN	131.04		HIGH	122.95		LOW	142.67				

MCINTOSH COUNTY

313826081152601 Local number, 35M13.

LOCATION.--Lat 31°38'26", long 81°15'26", Hydrologic Unit 03060204, 8.5 mi (13.6 km) east of U.S. Highway 17 at Harris Neck Wildlife Refuge.

Owner: U.S. Department of the Interior, Fish and Wildlife Service.

AQUIFER.--Principal artesian aquifer.

WELL CHARACTERISTICS.--Drilled unused supply well, diameter 10 in. (25.4 cm), depth 553 ft (162.4 m), cased to 376 ft (114.6 m), open hole.

DATUM.--Altitude of land-surface is 16.3 ft (4.97 m) National Geodetic Vertical Datum of 1929.

Measuring point: Floor of recorder shelter, 3.2 ft (0.98 m) 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 (1.326 m) below land-surface datum, October 4, 1966; lowest, 17.80 ft (5.425 m) below land-surface datum, August 26, 27, 1979.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16.73	17.01	17.40	17.02	17.54	17.26	17.42	17.15	17.44	17.40	17.65	17.65
2	16.77	17.07	17.43	17.04	17.58	17.30	17.34	17.17	17.38	17.53	17.60	17.60
3	16.80	17.10	17.45	17.00	17.66	17.32	17.33	17.20	17.25	17.53	17.62	17.45
4	16.77	17.12	17.43	16.99	17.66	17.24	17.34	17.27	17.20	17.45	17.60	17.00
5	16.90	17.09	17.41	17.07	17.64	17.30	17.37	17.28	17.10	17.43	17.58	17.60
6	17.01	17.07	17.45	17.05	17.62	17.36	17.47	17.12	17.12	17.45	17.50	17.60
7	17.10	17.03	17.44	17.24	17.59	17.29	17.47	17.15	17.18	17.38	17.55	17.55
8	17.07	17.00	17.41	17.17	17.56	17.29	17.42	17.12	17.20	17.23	17.58	17.58
9	17.02	16.94	17.38	17.18	17.46	17.39	17.24	17.15	17.18	17.15	17.62	17.50
10	17.14	16.91	17.34	17.21	17.47	17.41	17.35	17.17	17.13	17.17	17.65	17.45
11	17.16	16.93	17.31	17.21	17.42	17.48	17.34	17.15	17.03	17.25	17.62	17.40
12	17.19	16.97	17.31	17.27	17.38	17.50	17.30	17.15	17.05	17.35	17.60	17.40
13	17.12	16.98	17.35	17.29	17.40	17.47	17.24	17.17	17.10	17.37	17.72	17.45
14	17.08	16.98	17.40	17.30	17.37	17.43	17.21	17.12	17.08	17.45	17.75	17.65
15	17.06	16.99	17.42	17.28	17.38	17.53	17.25	17.12	17.08	17.45	17.70	17.65
16	16.99	17.05	17.48	17.23	17.39	17.62	17.28	17.10	17.10	17.43	17.65	17.65
17	17.00	17.04	17.46	17.28	17.32	17.64	17.32	17.08	17.32	17.43	17.60	17.68
18	17.01	17.00	17.50	17.34	17.28	17.56	17.42	17.10	17.45	17.45	17.65	17.60
19	17.04	16.96	17.53	17.33	17.55	17.44	17.61	17.10	17.43	17.53	17.65	17.60
20	17.08	16.95	17.56	17.40	17.55	17.35	17.68	17.10	17.35	17.53	17.68	17.55
21	17.13	17.09	17.52	17.41	17.41	17.28	17.48	17.08	17.38	17.50	17.65	17.42
22	17.10	17.13	17.45	17.44	17.41	17.25	17.45	17.10	17.40	17.55	17.77	17.57
23	17.19	17.10	17.38	17.47	17.27	16.98	17.43	17.12	17.45	17.64	17.65	17.60
24	17.18	17.17	17.36	17.45	17.18	17.00	17.50	17.07	17.45	17.60	17.65	17.55
25	17.13	17.22	17.32	17.38	17.00	17.05	17.12	17.15	17.35	17.62	17.73	17.53
26	17.03	17.26	17.28	17.33	17.23	17.27	16.95	17.25	17.35	17.65	17.80	17.58
27	16.92	17.31	17.26	17.40	17.20	17.36	17.03	17.27	17.35	17.65	17.80	17.40
28	16.86	17.36	17.20	17.38	17.18	17.37	17.12	17.23	17.37	17.68	17.75	17.50
29	16.94	17.39	17.15	17.49	---	17.41	17.15	17.24	17.39	17.65	17.73	17.55
30	17.00	17.38	17.10	17.53	---	17.43	17.15	17.25	17.35	17.65	17.78	17.50
31	16.98	---	17.06	17.53	---	17.44	---	17.35	---	17.65	17.70	---
MEAN	17.02	17.09	17.37	17.28	17.42	17.36	17.33	17.16	17.27	17.48	17.66	17.53
WTR YR 1979	MEAN	17.33		HIGH	16.73		LOW	17.80				

GROUND-WATER LEVELS

MILLER COUNTY

310651084404501 Local number, 8G1.

LOCATION.--Lat 31°06'51", long 84°40'45", Hydrologic Unit 03130010, 1 mi (1.6 km) northeast of Boykin, Ga.

Owner: Jack Fleet.

AQUIFER.--Principal artesian aquifer.

WELL CHARACTERISTICS.--Drilled unused irrigation well, diameter 12 in. (30.5 cm), depth 255 ft (77.7 m), cased to 130 ft (39.6 m), open hole.

DATUM.--Altitude of land-surface datum is 150 ft (46 m), from topographic map.

Measuring point: Top front edge of recorder shelter, 3.0 ft (0.91 m) above land-surface datum.

REMARKS.--None.

PERIOD OF RECORD.--February 1977 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 14.20 ft (4.328 m) below land-surface datum, March 17, 1978; lowest, 40.28 ft (12.277 m) below land-surface datum, November 5, 1978.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	37.05	38.95	35.34	34.98	26.90	21.50	26.90	22.70	22.77	29.70	24.50	33.73
2	37.30	38.98	34.63	34.97	26.62	21.16	27.02	23.00	20.91	29.75	24.75	33.75
3	37.61	39.30	34.27	34.92	26.38	20.88	26.83	23.11	20.35	30.45	25.00	33.75
4	37.58	39.94	34.02	34.54	26.30	20.69	26.72	24.10	20.10	32.00	25.35	33.72
5	37.90	40.28	34.22	34.00	26.35	20.79	26.70	24.99	20.06	32.30	25.75	34.96
6	37.85	40.18	34.50	33.50	25.94	20.85	26.53	25.06	20.30	31.40	26.30	36.50
7	37.63	40.05	34.96	33.00	23.94	20.85	26.52	24.31	21.60	31.35	26.75	36.12
8	37.63	39.79	35.08	31.86	20.87	21.06	26.49	24.26	22.20	31.55	27.40	35.38
9	37.65	39.61	35.08	29.68	18.98	21.38	26.36	24.36	23.00	31.15	28.20	35.52
10	37.69	39.54	35.41	27.38	18.28	21.60	26.47	23.99	24.10	30.95	29.20	35.34
11	37.90	39.52	35.62	25.80	18.02	21.84	26.69	23.65	25.60	31.05	30.75	35.29
12	38.30	39.50	36.10	25.03	18.10	22.13	26.62	23.37	26.08	30.85	30.95	35.12
13	38.49	39.50	36.15	24.98	18.33	22.40	26.70	23.25	26.28	30.30	30.00	34.99
14	38.28	39.51	36.02	25.61	18.62	22.65	26.29	23.15	26.71	30.00	30.45	35.00
15	38.17	39.54	36.10	26.20	18.96	22.90	25.83	23.05	25.62	29.85	31.10	35.00
16	38.13	39.57	36.23	26.48	19.39	23.12	25.77	23.38	25.78	29.75	33.00	35.05
17	38.21	39.60	36.42	26.70	19.87	23.28	25.90	24.34	27.29	29.60	34.80	34.98
18	38.27	39.61	36.52	26.97	20.28	23.40	25.88	24.46	28.32	29.20	33.60	34.81
19	38.64	39.64	36.57	27.20	20.65	23.55	25.26	23.89	29.24	28.25	32.70	34.71
20	38.73	39.67	36.65	27.13	21.13	23.75	25.12	25.45	30.47	26.50	32.70	34.67
21	38.75	39.68	36.83	27.60	21.42	23.96	25.16	25.82	28.51	25.15	33.35	34.60
22	38.69	39.73	37.04	28.57	21.76	24.14	25.24	25.44	27.42	24.45	35.05	34.63
23	38.70	39.82	37.13	28.09	22.06	24.20	25.30	25.32	27.18	24.20	35.75	34.63
24	38.65	40.07	36.98	28.11	22.28	24.35	25.34	24.96	27.45	24.10	34.50	34.67
25	38.81	40.02	36.64	28.52	22.29	25.60	25.32	24.81	27.99	24.07	33.40	34.68
26	39.01	40.08	36.33	28.32	22.14	26.58	24.81	24.86	28.06	23.90	33.20	34.62
27	39.03	40.00	36.00	28.06	21.83	26.06	24.29	25.28	27.80	23.84	33.10	34.10
28	38.90	40.00	35.76	28.08	21.73	26.03	23.60	27.19	28.30	23.90	33.08	34.00
29	38.98	39.86	35.56	27.84	---	26.52	22.99	26.17	29.40	23.95	33.20	33.90
30	38.90	37.78	35.38	27.31	---	26.46	22.54	25.63	29.85	24.10	33.45	33.30
31	38.94	---	35.20	26.98	---	27.00	---	24.76	---	24.30	33.70	---
MEAN	38.27	39.64	35.77	28.98	21.77	23.25	25.71	24.46	25.62	28.13	30.81	34.72
WTR YR 1979	MEAN	29.81		HIGH	18.02		LOW	40.28				

RANDOLPH COUNTY

314602084473701 Local number, 7N1.

LOCATION.--Lat 31°46'02", long 84°47'37", Hydrologic Unit 03110204, south of intersection of College and Andrew Streets, near electric substation.

Owner: City of Outhbert.

AQUIFER.--Clayton Limestone.

WELL CHARACTERISTICS.--Drilled unused municipal well, diameter 8 in. (20.3 cm), depth 372 ft (113.4 m), casing depth unknown.

DATUM.--Altitude of land-surface datum is 460 ft (140 m), from topographic map.

Measuring point: Floor of recorder shelter, 3.30 ft (1.006 m) above land-surface datum.

REMARKS.--Well pumped and sounded June 22, 1978, to a depth of 372 ft (113.4 m); water-quality sample collected at conclusion of pumping. Well near city wells.

PERIOD OF RECORD.--January 1965 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 132.0 ft (40.23 m) below land-surface datum, December 10, 1967; lowest, 151.83 ft (46.278 m) below land-surface datum, September 5, 1978.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	148.37	147.82	146.27	144.46	145.45	144.60	142.36	142.36	144.29	147.34	149.24	147.74
2	149.19	147.98	146.14	144.88	145.61	144.64	142.77	142.61	144.35	149.18	148.65	147.70
3	149.27	148.08	145.74	147.08	145.17	144.36	142.84	142.75	143.82	149.95	147.92	147.53
4	149.60	147.98	145.70	147.65	144.87	144.13	142.46	142.75	144.49	149.33	148.04	147.65
5	149.93	147.50	145.62	145.97	145.00	144.28	142.77	142.53	144.58	149.95	149.96	148.20
6	149.72	148.00	145.92	144.73	144.81	144.35	142.81	142.07	145.37	150.00	149.80	149.04
7	149.32	146.92	145.57	143.57	144.69	144.32	142.58	142.87	146.00	149.20	148.57	148.81
8	148.88	146.55	145.37	144.18	144.91	144.55	142.09	142.75	146.46	148.62	149.03	150.23
9	149.13	146.37	145.23	145.66	144.90	144.55	142.34	142.75	146.32	148.99	149.20	151.39
10	149.04	146.50	145.68	145.41	145.28	144.37	142.61	142.78	146.15	149.48	150.60	149.30
11	149.61	146.46	146.19	144.85	145.01	144.05	142.42	142.65	146.74	150.38	150.82	149.72
12	151.13	146.43	146.44	144.19	145.00	144.27	142.30	142.63	148.08	150.54	151.05	149.40
13	151.01	146.79	146.07	143.99	145.09	144.19	143.10	141.94	148.39	150.08	151.38	150.90
14	150.97	147.09	145.37	144.08	145.05	144.33	142.64	142.55	148.70	148.56	151.45	150.35
15	149.99	147.21	145.48	145.62	145.01	144.25	141.88	143.39	148.33	147.47	151.58	148.79
16	148.97	147.80	145.22	145.15	144.97	144.33	142.56	143.89	148.51	150.37	151.64	148.24
17	147.88	146.71	144.87	144.35	145.01	144.45	142.54	143.18	148.72	149.46	150.15	148.38
18	148.58	146.22	145.26	144.04	145.00	144.20	142.88	143.61	149.50	148.20	148.76	148.33
19	148.44	145.54	145.06	144.01	145.57	144.31	142.60	143.14	150.95	147.83	149.90	148.46
20	148.04	145.96	145.74	143.57	145.42	144.38	142.92	142.36	151.06	147.56	149.55	148.44
21	148.93	146.35	145.60	143.16	145.11	144.44	143.06	143.10	149.23	147.39	150.76	149.33
22	147.82	146.48	145.21	144.77	145.10	144.44	142.27	143.87	148.56	147.38	151.55	149.39
23	148.03	145.78	144.98	145.06	144.90	144.20	142.71	143.24	149.26	149.29	150.68	151.35
24	149.38	146.24	144.50	144.98	144.81	143.96	142.54	142.96	148.52	149.40	147.62	150.51
25	148.15	146.31	144.42	145.43	144.50	143.83	141.94	143.01	147.94	148.39	148.04	150.60
26	147.73	145.71	144.84	145.23	144.75	144.22	141.90	143.43	148.03	148.23	149.45	150.75
27	147.99	146.02	145.25	144.76	144.90	143.91	142.26	143.13	148.09	149.38	147.85	150.85
28	147.50	145.81	145.45	144.64	144.79	142.76	142.18	144.71	148.61	149.31	147.52	151.15
29	146.62	145.92	145.23	145.12	---	142.74	141.76	145.21	149.43	149.22	147.45	150.80
30	147.47	145.37	145.10	145.11	---	143.00	142.83	145.42	148.22	149.29	147.41	150.10
31	147.50	---	144.49	144.97	---	142.82	---	144.97	---	149.48	147.45	---
MEAN	148.81	146.66	145.42	144.86	145.02	144.10	142.50	143.18	147.56	149.01	149.45	149.45
WTR YR 1979	MEAN	146.34		HIGH	141.76		LOW	151.64				

SPALDING COUNTY

331507084171801 Local number, 11AA1.

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 (1.2 x 1.2 m), depth 30 ft (9.1 m), open hole.

DATUM.--Altitude of land-surface datum is 960 ft (293 m), from topographic map.

Measuring point: Hole in floor of recorder shelter, 3.1 ft (0.94 m) above land-surface datum.

REMARKS.--None.

PERIOD OF RECORD.--October 1943 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 8.26 ft (2.518 m) below land-surface datum, March 19, 1948; lowest, 21.08 ft (6.425 m) below land-surface datum, December 8, 1943.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	17.89	19.28	20.10	19.19	16.56	13.05	13.32	11.36	12.88	14.43	14.56	16.17
2	17.95	19.31	20.15	19.14	16.43	13.05	13.37	11.42	12.90	14.52	14.58	16.20
3	17.99	19.34	20.18	18.98	16.38	12.98	13.40	11.45	12.91	14.58	14.64	16.24
4	18.05	19.37	20.20	18.94	16.33	12.89	13.11	11.47	12.92	14.62	14.70	16.25
5	18.10	19.40	20.20	18.90	16.31	12.83	12.79	11.53	12.96	14.70	14.76	16.31
6	18.16	19.44	20.00	18.83	16.31	12.70	12.66	11.58	13.02	14.75	14.81	16.38
7	18.22	19.46	19.90	18.74	16.33	12.58	12.56	11.61	13.09	14.78	14.87	16.42
8	18.28	19.50	19.80	18.67	16.26	12.60	12.42	11.64	13.16	14.79	14.95	16.47
9	18.33	19.53	19.70	18.41	15.89	12.72	11.88	11.67	13.20	14.79	15.03	16.54
10	18.37	19.56	19.60	18.37	15.81	12.67	11.75	11.72	13.20	14.81	15.07	16.58
11	18.41	19.60	19.47	18.43	15.70	12.69	11.69	11.76	13.24	14.86	15.09	16.61
12	18.46	19.62	19.45	18.17	15.58	12.72	11.64	11.81	13.35	14.90	15.18	16.64
13	18.52	19.64	19.41	17.95	15.54	12.70	11.54	11.85	13.41	14.93	15.31	16.66
14	18.57	19.70	19.39	17.90	15.48	12.67	11.18	11.92	13.48	14.97	15.35	16.76
15	18.62	19.69	19.37	17.92	15.43	12.80	11.01	12.00	13.51	15.01	15.36	16.81
16	18.66	19.77	19.36	17.90	15.43	12.86	11.02	12.04	13.52	15.04	15.43	16.88
17	18.72	19.76	19.36	17.65	15.49	12.86	11.04	12.11	13.60	15.09	15.49	16.90
18	18.77	19.75	19.37	17.15	15.45	12.80	11.08	12.12	13.68	15.13	15.53	16.87
19	18.79	19.76	19.33	17.40	15.45	12.81	11.13	12.11	13.75	15.19	15.57	16.83
20	18.83	19.76	19.30	17.20	15.42	12.83	11.17	12.19	13.83	15.22	15.62	16.87
21	18.88	19.81	19.29	17.40	15.17	12.89	11.25	12.24	13.87	15.20	15.67	16.85
22	18.93	19.86	19.31	17.40	14.96	12.95	11.32	12.32	13.90	15.03	15.72	16.90
23	18.96	19.93	19.31	17.15	14.73	12.82	11.38	12.35	13.96	14.86	15.78	16.95
24	18.99	19.89	19.32	16.58	14.15	12.91	11.40	12.36	14.02	14.76	15.83	17.00
25	19.03	19.93	19.33	16.90	13.59	13.03	11.33	12.46	14.10	14.69	15.90	17.02
26	19.07	19.95	19.34	16.83	13.35	13.18	11.16	12.54	14.19	14.62	15.93	17.03
27	19.11	19.97	19.33	16.64	13.20	13.24	11.19	12.61	14.23	14.58	15.96	16.98
28	19.15	19.97	19.25	16.83	13.10	13.27	11.25	12.65	14.26	14.56	15.99	16.88
29	19.19	19.98	19.20	16.59	---	13.29	11.30	12.69	14.29	14.53	16.06	16.82
30	19.23	19.99	19.17	16.61	---	13.30	11.33	12.76	14.33	14.53	16.11	16.76
31	19.25	---	19.12	16.59	---	13.32	---	12.84	---	14.55	16.13	---
MEAN	18.63	19.68	19.54	17.79	15.35	12.90	11.76	12.04	13.56	14.81	15.39	16.69
WTR YR 1979	MEAN	15.68		HIGH	11.01		LOW	20.20				

GROUND-WATER LEVELS

491

WAYNE COUNTY

313701081543501 Local number, 30L3.

LOCATION.--Lat 31°37'01", long 81°54'35", Hydrologic Unit 03070106, about 0.5 mi (0.8 km) west of Jesup city limits near intersection of Highway 341 and Sunset Drive.

Owner: Homer Johnson.

AQUIFER.--Principal artesian aquifer.

WELL CHARACTERISTICS.--Drilled unused domestic well, diameter 4 in. (10.1 cm), depth 584 ft (178.0 m), cased to 472 ft (143.9 m), open hole.

DATUM.--Altitude of land-surface datum is 107 ft (33 m), from topographic map.

Measuring point: Floor of recorder shelter, 2.88 ft (0.878 m) above land-surface datum.

REMARKS.--Borehole geophysical survey conducted August 19, 1963.

PERIOD OF RECORD.--January 1964 to March 1967. February 1976 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 59.98 ft (18.282 m) below land-surface datum, April 19, 1964; lowest 81.80 ft (24.933 m) below land-surface datum, December 29, 1976.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	79.36	81.27	81.08	79.73	81.09	81.25	81.43	80.13	80.98	81.05	81.55	81.48
2	79.54	81.33	81.37	80.00	81.06	81.18	81.33	80.17	80.88	81.13	81.49	81.48
3	79.64	81.36	81.34	80.42	81.03	81.08	81.23	80.25	80.88	81.17	81.50	80.40
4	79.75	81.33	81.23	80.71	81.08	81.04	80.96	80.23	80.89	81.10	81.52	78.45
5	79.87	81.34	81.09	80.54	81.16	81.11	81.01	80.20	80.87	81.23	81.47	77.25
6	79.93	81.40	80.66	80.43	81.02	81.11	81.21	80.25	80.83	81.27	81.30	76.40
7	80.14	81.34	80.25	80.33	80.86	80.98	81.32	80.37	80.97	81.25	81.37	75.80
8	80.35	81.28	80.48	80.39	81.11	80.96	81.17	80.40	81.00	81.17	81.47	75.63
9	80.50	81.17	80.76	80.73	81.17	81.11	80.12	80.40	80.98	81.15	81.45	76.15
10	80.48	81.38	81.12	80.85	81.33	81.10	78.53	80.45	80.75	81.07	81.40	76.85
11	80.45	81.61	81.29	80.85	81.38	80.99	77.21	80.47	80.70	81.05	81.27	77.80
12	80.55	81.49	81.27	80.73	81.33	81.12	76.30	80.53	80.76	81.13	81.35	78.38
13	80.56	81.19	81.38	80.58	81.33	81.22	75.58	80.43	80.82	81.13	81.50	78.85
14	80.65	80.88	81.44	80.80	81.29	81.14	74.98	80.35	80.88	81.05	81.57	79.35
15	80.83	81.04	81.43	81.15	81.12	81.24	74.68	80.40	80.79	81.15	81.58	79.70
16	80.82	81.23	81.36	81.24	81.16	81.37	74.64	80.50	80.61	81.27	81.57	80.11
17	81.01	81.38	81.48	81.13	81.28	81.45	74.68	80.55	80.72	81.30	81.59	80.23
18	81.09	81.48	81.55	81.00	81.35	81.42	75.21	80.55	80.78	81.33	81.60	80.40
19	80.92	81.56	81.48	81.04	81.32	81.26	76.22	80.63	80.86	81.43	81.64	80.60
20	80.95	81.62	81.37	80.79	81.31	81.08	77.23	80.63	81.10	81.43	81.65	80.75
21	81.07	81.62	81.34	80.67	81.25	81.08	78.07	80.57	81.15	81.43	81.73	80.80
22	81.02	81.59	81.40	80.99	81.37	81.14	78.63	80.65	81.04	81.40	81.77	80.85
23	80.95	81.53	80.29	81.02	81.40	81.01	79.03	80.67	80.93	81.35	81.77	81.05
24	80.97	81.42	78.48	80.95	81.30	80.86	79.20	80.53	81.03	81.37	81.75	81.17
25	81.10	81.45	77.33	81.21	81.09	81.01	79.15	80.61	81.09	81.45	81.78	81.15
26	80.96	81.33	76.67	81.21	81.15	81.18	79.23	80.77	81.15	81.47	81.78	81.13
27	81.10	80.98	76.16	81.06	81.17	81.32	79.47	80.78	81.15	81.53	81.77	81.03
28	81.20	81.07	76.58	81.15	81.24	81.48	79.70	80.79	81.20	81.53	81.70	81.05
29	81.23	81.13	77.68	81.11	---	81.58	79.90	80.90	81.07	81.53	81.65	81.05
30	81.33	81.13	78.69	80.87	---	81.57	80.05	81.03	81.07	81.54	81.67	80.95
31	81.28	---	79.38	80.90	---	81.53	---	81.08	---	81.63	81.57	---
MEAN	80.63	81.33	80.24	80.79	81.21	81.19	78.58	80.52	80.93	81.29	81.57	79.54
WTR YR 1979	MEAN	80.66		HIGH	74.64		LOW	81.78				

GROUND-WATER LEVELS

WAYNE COUNTY

313055081521901 Local number, 31L1.

LOCATION.--Lat 31°30'55", long 81°52'19", Hydrologic Unit 03070106, about 6 mi (9.6 km) south of Jesup near Penholoway Creek on Walker Creek.

Owner: Brunswick Pulp and Paper, Justice Mears #2.

AQUIFER.--Principal artesian aquifer.

WELL CHARACTERISTICS.--Drilled unused oil test well, diameter 6 in. (15.2 cm), depth 691 ft (210.6 m), cased to 587 ft (178.9 m), open hole.

DATUM.--Altitude of land-surface datum is 55 ft (17 m), from topographic map.

Measuring point: Top of 6 in. (15.2 cm) 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 (4.663 m) below land-surface datum, December 16, 1977; lowest, 25.81 ft (7.867 m) below land-surface datum, August 26, 1979.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	23.79	25.50	25.48	24.13	25.37	25.42	25.43	24.33	25.11	25.23	25.65	25.63
2	23.93	25.52	25.63	24.37	25.42	25.39	25.37	24.43	25.02	25.35	25.65	25.62
3	24.00	25.52	25.66	24.75	25.33	25.31	25.36	24.45	24.96	25.40	25.73	25.10
4	24.15	25.48	25.50	24.97	25.36	25.23	25.23	24.43	24.92	25.35	25.67	24.10
5	24.22	25.53	25.48	24.92	25.40	25.22	25.18	24.37	24.93	25.43	25.65	23.25
6	24.28	25.60	25.46	24.79	25.28	25.22	25.33	24.40	24.96	25.47	25.57	22.80
7	24.44	25.52	25.28	24.69	25.17	25.13	25.42	24.47	25.07	25.45	25.55	22.15
8	24.60	25.50	25.20	24.74	25.35	25.10	25.28	24.50	25.16	25.40	25.65	21.88
9	24.73	25.49	25.21	25.04	25.46	25.25	24.80	24.53	25.14	25.35	25.65	21.95
10	24.69	25.59	25.51	25.12	25.57	25.24	24.04	24.55	25.02	25.25	25.57	22.25
11	24.73	25.73	25.63	25.09	25.59	25.18	23.63	24.60	24.95	25.30	25.45	22.80
12	24.76	25.72	25.66	24.97	25.53	25.29	22.57	24.60	25.05	25.35	25.45	23.20
13	24.77	25.60	25.67	24.84	25.51	25.35	21.90	24.60	25.12	25.37	25.57	23.45
14	24.86	25.48	25.71	25.09	25.53	25.25	21.38	24.55	25.16	25.35	25.67	23.75
15	25.01	25.48	25.71	25.37	25.43	25.34	20.97	24.57	25.07	25.35	25.65	24.10
16	25.00	25.55	25.65	25.43	25.37	25.49	20.72	24.63	24.93	25.43	25.65	24.40
17	25.17	25.61	25.74	25.37	25.50	25.54	20.78	24.70	24.95	25.45	25.70	24.55
18	25.30	25.68	25.79	25.28	25.58	25.46	21.13	24.73	25.03	25.50	25.67	24.53
19	25.18	25.74	25.67	25.28	25.57	25.35	21.66	24.70	25.11	25.55	25.65	24.70
20	25.14	25.80	25.58	24.96	25.60	25.23	22.21	24.67	25.26	25.57	25.70	24.84
21	25.24	25.80	25.56	24.89	25.52	25.19	22.70	24.70	25.30	25.57	25.77	24.89
22	25.27	25.79	25.70	25.21	25.52	25.23	23.10	24.80	25.23	25.60	25.73	24.95
23	25.16	25.74	25.33	25.16	25.50	25.08	23.37	24.83	25.17	25.60	25.77	25.15
24	25.17	25.65	24.43	25.08	25.39	24.92	23.55	24.65	25.20	25.60	25.75	25.20
25	25.27	25.71	23.71	25.32	25.22	25.08	23.45	24.75	25.30	25.60	25.73	25.28
26	25.23	25.67	23.25	25.33	25.30	25.28	23.50	24.87	25.35	25.59	25.81	25.23
27	25.28	25.54	22.87	25.20	25.38	25.41	23.67	24.93	25.37	25.63	25.79	25.13
28	25.37	25.56	22.77	25.32	25.42	25.38	23.87	24.97	25.37	25.63	25.76	25.11
29	25.43	25.54	23.18	25.40	---	25.45	24.05	24.97	25.30	25.63	25.73	25.13
30	25.53	25.44	23.66	25.27	---	25.42	24.17	25.06	25.25	25.63	25.74	25.10
31	25.53	---	23.98	25.22	---	25.38	---	25.17	---	25.70	25.68	---
MEAN	24.88	25.60	25.02	25.05	25.43	25.28	23.46	24.66	25.13	25.47	25.67	24.21
WTR YR 1979	MEAN	24.99		HIGH	20.72		LOW	25.81				

WORTH COUNTY

313146083491601 Local number, 15L20.

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.--Principal artesian aquifer.

WELL CHARACTERISTICS.--Drilled unused municipal well, diameter 18 in. (45.7 cm), depth 450 ft (137.2 m), cased to 212 ft (64.6 m), open hole.

DATUM.--Altitude of land-surface datum is 433 ft (132 m), from topographic map.

Measuring point: Floor of recorder shelter, 2.90 ft (0.884 m) above land-surface datum.

REMARKS.--Well pumped and sounded July 19, 1978. Borehole geophysical survey conducted June 5, 1975.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 191.50 ft (58.369 m) below land-surface datum, May 17, 1973; lowest, 195.55 ft (59.604 m) below land surface datum, August 26, 1979.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	194.36	194.81	194.78	194.74	195.04	194.67	194.38	194.07	194.21	194.60	194.78	195.37
2	194.38	194.81	194.90	194.71	195.09	194.72	194.33	194.11	194.16	194.67	194.75	195.33
3	194.38	194.76	194.82	195.15	195.03	194.63	194.32	194.09	194.08	194.71	194.79	195.24
4	194.36	194.73	194.59	195.41	194.98	194.50	194.24	194.01	193.99	194.66	194.85	195.06
5	194.39	194.76	194.62	195.35	194.95	194.57	194.42	193.94	193.95	194.70	194.86	195.14
6	194.40	194.79	194.80	195.19	194.69	194.54	194.51	193.95	194.04	194.79	194.85	195.22
7	194.47	194.70	194.81	194.97	194.58	194.39	194.48	193.97	194.09	194.84	194.88	195.20
8	194.57	194.81	194.70	195.06	194.87	194.32	194.30	193.93	194.19	194.85	194.94	195.21
9	194.64	194.85	194.56	195.28	194.92	194.55	194.01	193.93	194.22	194.73	194.99	195.29
10	194.59	194.90	194.87	195.33	195.09	194.51	194.16	193.95	194.18	194.69	195.00	195.31
11	194.50	195.00	194.94	195.25	195.09	194.49	194.21	193.92	194.10	194.73	194.89	195.26
12	194.50	194.97	194.95	195.04	195.00	194.58	194.23	193.94	194.26	194.79	194.87	195.17
13	194.53	194.94	194.95	194.94	194.94	194.58	194.13	193.97	194.43	194.79	195.08	195.09
14	194.55	194.95	194.91	195.15	194.92	194.46	194.15	193.96	194.52	194.79	195.18	195.18
15	194.67	194.94	194.87	195.51	194.84	194.59	194.18	194.04	194.52	194.79	195.16	195.26
16	194.59	194.93	194.83	195.44	194.81	194.71	194.22	194.08	194.43	194.78	195.17	195.34
17	194.69	194.91	194.93	195.37	194.96	194.73	194.25	194.16	194.49	194.77	195.26	195.40
18	194.81	194.93	194.91	195.30	195.01	194.58	194.25	194.17	194.58	194.78	195.28	195.34
19	194.72	194.99	194.71	195.25	195.05	194.45	194.23	194.10	194.67	194.80	195.27	195.26
20	194.62	195.04	194.60	194.78	195.15	194.37	194.23	194.09	194.83	194.84	195.27	195.24
21	194.64	195.02	194.54	194.69	194.83	194.32	194.25	194.15	195.09	194.82	195.29	195.13
22	194.73	194.98	194.73	195.03	194.80	194.30	194.26	194.22	195.14	194.79	195.31	195.11
23	194.81	194.92	194.73	194.92	194.70	194.04	194.24	194.22	195.11	194.82	195.36	195.17
24	194.70	194.83	194.40	194.70	.00	193.96	194.15	194.08	195.01	194.86	195.40	195.23
25	194.68	194.87	194.61	194.90	194.36	194.07	193.82	194.09	194.95	194.86	195.52	195.25
26	194.64	194.81	194.72	194.89	194.51	194.32	193.74	194.17	194.99	194.84	195.55	195.21
27	194.64	194.72	194.82	194.66	194.61	194.46	193.84	194.19	194.93	194.83	195.51	195.11
28	194.68	194.92	194.84	194.77	194.64	194.53	193.96	194.16	194.84	194.85	195.44	195.10
29	194.71	194.84	194.89	194.89	---	194.56	194.06	194.09	194.74	194.83	195.43	195.09
30	194.83	194.77	194.92	194.85	---	194.53	194.07	194.11	194.61	194.78	195.45	195.07
31	194.85	---	194.89	194.86	---	194.48	---	194.18	---	194.80	195.40	---
MEAN	194.60	194.87	194.78	195.04	187.91	194.47	194.19	194.07	194.51	194.78	195.15	195.21
WTR YR 1979	MEAN	194.18		HIGH	.00		LOW	195.55				

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FACTORS FOR CONVERTING INCH-POUND UNITS TO INTERNATIONAL SYSTEM UNITS (SI)

The following factors may be used to convert the inch-pound units published herein to the International System of Units (SI). 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
<i>Length</i>		
inches (in)	2.54×10^1	millimeters (mm)
	2.54×10^{-2}	meters (m)
feet (ft)	3.048×10^{-1}	meters (m)
miles (mi)	1.609×10^0	kilometers (km)
<i>Area</i>		
acres	4.047×10^3	square meters (m ²)
	4.047×10^{-1}	square hectometers (hm ²)
	4.047×10^{-3}	square kilometers (km ²)
square miles (mi ²)	2.590×10^0	square kilometers (km ²)
<i>Volume</i>		
gallons (gal)	3.785×10^0	liters (L)
	3.785×10^0	cubic decimeters (dm ³)
	3.785×10^{-3}	cubic meters (m ³)
million gallons	3.785×10^3	cubic meters (m ³)
	3.785×10^{-3}	cubic hectometers (hm ³)
cubic feet (ft ³)	2.832×10^1	cubic decimeters (dm ³)
	2.832×10^{-2}	cubic meters (m ³)
cfs-days	2.447×10^3	cubic meters (m ³)
	2.447×10^{-3}	cubic hectometers (hm ³)
acre-feet (acre-ft)	1.233×10^3	cubic meters (m ³)
	1.233×10^{-3}	cubic hectometers (hm ³)
	1.233×10^{-6}	cubic kilometers (km ³)
<i>Flow</i>		
cubic feet per second (ft ³ /s)	2.832×10^1	liters per second (L/s)
	2.832×10^1	cubic decimeters per second (dm ³ /s)
	2.832×10^{-2}	cubic meters per second (m ³ /s)
gallons per minute (gal/min)	6.309×10^{-2}	liters per second (L/s)
	6.309×10^{-2}	cubic decimeters per second (dm ³ /s)
	6.309×10^{-5}	cubic meters per second (m ³ /s)
million gallons per day	4.381×10^1	cubic decimeters per second (dm ³ /s)
	4.381×10^{-2}	cubic meters per second (m ³ /s)
<i>Mass</i>		
tons (short)	9.072×10^{-1}	megagrams (Mg) or metric tons

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