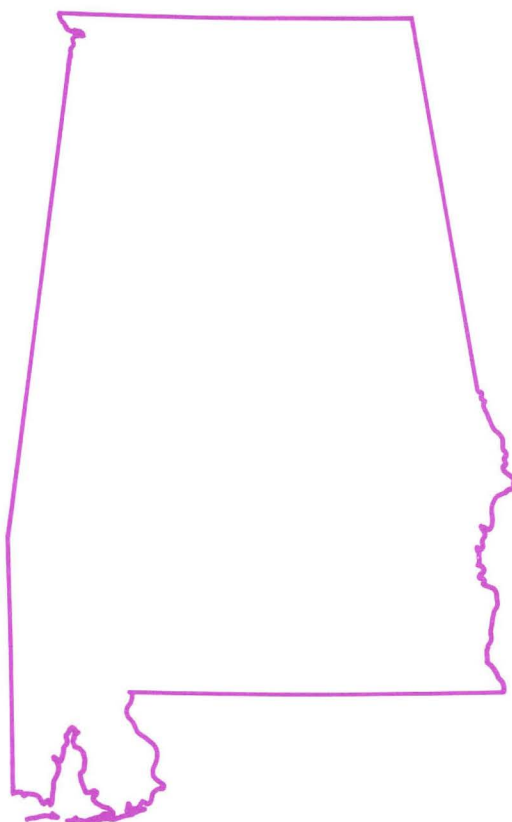
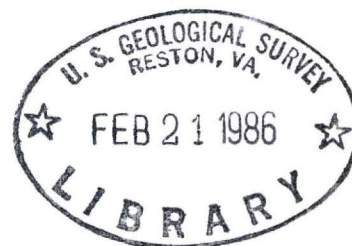


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Water Resources Data Alabama Water Year 1984



U.S. GEOLOGICAL SURVEY WATER-DATA REPORT AL-84-1

Prepared in cooperation with the Alabama Department of Environmental Management, the Alabama Highway Department, the Geological Survey of Alabama, and with other State, municipal, and Federal agencies

CALENDAR FOR WATER YEAR 1984

1983

OCTOBER

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1984

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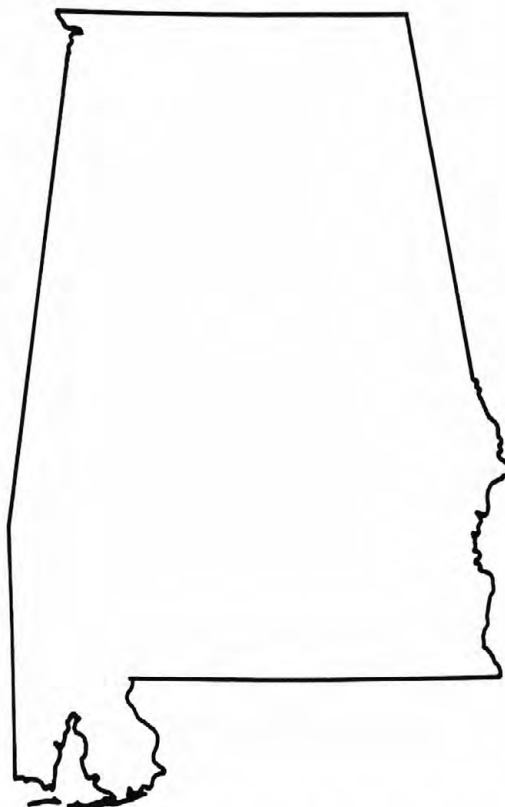
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Water Resources Data Alabama

Water Year 1984

by H.C. Rollins, E.G. Ming, F.C. Sedberry, and I.A. Giles



U.S. GEOLOGICAL SURVEY WATER-DATA REPORT AL-84-1

Prepared in cooperation with the Alabama Department of Environmental Management, the Alabama Highway Department, the Geological Survey of Alabama, and with other State, municipal, and Federal agencies

UNITED STATES DEPARTMENT OF THE INTERIOR

DONALD PAUL HODEL, Secretary

GEOLOGICAL SURVEY

Dallas Peck, Director

For information on the water program in Alabama write to
District Chief, Water Resources Division
U.S. Geological Survey
520 19th Avenue
Tuscaloosa, Alabama 35401

1985

PREFACE

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

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

D. D. Batemon	T. R. Duvall	B. L. Moore
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Elizabeth A. Meadows typed the text of the report.

This report was prepared in cooperation with the State of Alabama and with other agencies under the general supervision of C. A. Pascale, District Chief, and J. L. Cook, Regional Hydrologist, Southeastern Region.

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WATER RESOURCES DATA FOR ALABAMA, 1984

INTRODUCTION

Water resources data for the 1984 water year consist of records of stage, discharge, and water quality of streams; stage and contents of lakes and reservoirs; water levels and water quality of ground-water wells; and water quality of precipitation stations. This report contains records for water discharge at 85 gaging stations; stage at 23 gaging stations; stage and contents of 13 lakes and reservoirs; water quality at 31 gaging stations, 26 partial-record stations; water levels at 48 observation wells and water quality at 5 wells. Also included are data for 4 crest stage, 6 flood hydrograph partial-record stations, and 3 quality of precipitation stations. Location of these sites are shown on figures 4-8. Additional water data were collected at various sites, not involved in the systematic data-collection program, and are published as miscellaneous measurements and analyses. Discharge records for a few pertinent stations in bordering states are also included in this report. 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 Alabama.

Records of discharge or 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, 604 South Pickett Street, Alexandria, Virginia 22304.

For water years 1961 through 1974, streamflow data were released by the U.S. 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. For example, this report is identified as "U.S. Geological Survey Water-Data Report AL-84." For archiving and general distribution, the water-data reports are for sale, in paper copy or in microfiche by the National Technical Information Service, U.S. Department of Commerce, Springfield, Virginia, 22161.

Additional information, including current prices, for ordering specific reports may be obtained from the district chief at the address given on the back of the title page or by telephone (205) 752-8104.

COOPERATION

The U.S. Geological Survey and organizations of the State of Alabama have had cooperative agreements for the systematic collection of streamflow records since 1900. Cooperative agreements between the U.S. Geological Survey and the Geological Survey of Alabama for collection of streamflow records have been continuous since 1935. There have been cooperative agreements for the collection of ground-water level records since 1940, and for the collection of water-quality records since 1962. Organizations that assisted in collecting data for this report through cooperative agreements with the Survey are:

Alabama Department of Conservation
Alabama Department of Environmental Management
Alabama Highway Department
Alabama Power Company
Alabama Surface Mining Commission
Bureau of Land Management
City of Birmingham
City of Tuscaloosa
Geological Survey of Alabama
Jefferson County Commission
Tennessee Valley Authority
U.S. Army Corps of Engineers

SUMMARY OF HYDROLOGIC CONDITIONS

Streamflow during the 1984 water year was normal in the northern and southern sections of Alabama and excessive for the central section of the State. Annual runoff at two index stations ranged from 89 to 130 percent of median for the reference period 1951-80. Monthly and annual mean discharge is compared with medians at two representative gaging stations in figure 2.

Normal annual rainfall exceeds 50 inches and annual runoff averages as much as 20 inches. Rainfall was near normal throughout Alabama during the 1984 water year. Streamflow in October was deficient (lower 25 percent of long-term record) in northern Alabama and normal throughout the remainder of the State. Streamflow in November and December was excessive (upper 75 percent of long-term record) throughout the State. A near record breaking flood occurred in the upper Black Warrior River basin in December. Streamflow was normal throughout the State from January through April. Streamflow was excessive for most of the State in May with the exception being in southeastern Alabama where normal conditions prevailed. Streamflow was near normal throughout the State from June through August. Streamflow was generally deficient throughout the State in September.

Ground-water levels generally followed long-term trends throughout the year. There was a general decline in water levels in most wells following the high level period of March, April, and May. New record high water levels were recorded at two wells tapping aquifers of Pennsylvanian age and one tapping an aquifer of Cretaceous age. A record low water level was recorded in one well tapping an aquifer of Cretaceous age. Figure 3 shows the lowest and highest monthly low water levels during water year 1984 with the highest and lowest monthly low water levels for the period of record for two observation wells.

Chemical quality of surface water is generally good throughout the State. Dissolved-solids concentrations of water in streams in 1984 were typically less than 200 mg/L except for streams in west-central Alabama where concentrations occasionally exceed 500 mg/L. The pH of water in most streams was near 7.0 and the dissolved oxygen was seldom below 4.0 mg/L. Trace constituent concentrations were low; when compared to previous years data, no significant differences were observed. Suspended-sediment concentrations were low except during periods of high streamflow.

The quality of ground water in Alabama varies between aquifers and within aquifers, but most of the State is underlain by one or more aquifers that can supply water suitable for most uses with little or no treatment. Dissolved-solids concentrations of water pumped from most aquifers are less than 500 mg/L. pH ranges from slightly less than 5.0 in Miocene aquifers to almost 9.0 in some areas producing from the Tuscaloosa Group. Iron in solution is the most common problem in ground water in the State. This is particularly true of wells producing from the Coker, Gordo, and Pottsville Formations. High chloride concentrations are present in water produced from all Coastal Plain aquifers underlying the Black Warrior River in an area extending from southern Tuscaloosa County to northern Marengo County.

Quality of precipitation in Alabama varies considerably between storms. Specific conductance values ranged from 1 to 140 microsiemens, pH from 3.3 to 6.7, and sulfates from 0.07 to 13.3 mg/L. The three quality of precipitation stations are located in rural areas in the northern, central, and southern sections of Alabama.

DEFINITION OF TERMS

Terms related to streamflow, water quality, and other hydrologic data are defined below. See also 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.

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.

Bacteria are microscopic unicellular organisms, typically spherical, rod-like, 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 all the organisms which produce colonies with a golden-green metallic sheen within 24 hours when incubated at 35°C ± 1.0°C on M-Endo medium (nutrient medium for bacterial growth). Their concentrations are expressed as number of colonies per 100 mL of sample.

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

Fecal streptococcal bacteria are bacteria found also in the intestine of warmblooded animals. Their presence in water is considered to verify fecal pollution. They are characterized as gram-positive, cocci bacteria which are capable of growth in brain-heart infusion broth. In the laboratory they are defined as all the organisms which produce red or pink colonies within 48 hours at 35°C ± 1.0°C on 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, used 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 weight per unit area or volume of habitat.

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

Dry weight refers to the weight of residue present after drying in an oven at 60°C for zooplankton and 105°C for periphyton, until the weight remains unchanged. This weight represents the total organic matter, ash and sediment, in the sample. Dry weight values are expressed in the same unit as ash weight.

Cells/volume refers to the number of cells of any organism which is counted by using a microscope and grid or counting cell. Many planktonic 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 a flow of one cubic foot per second for 24 hours. It is equivalent to 86,400 cubic feet, approximately 1.9835 acre-feet, or about 646,000 gallons. It represents a runoff of approximately 0.0372 inch from one square mile.

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 green 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, lake, stream or aquifer. Contents herein is that of a reservoir or lake and unless otherwise indicated, 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.

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 one cubic foot passing a given point during one second and is equivalent to approximately 7.48 gallons per second or 448.8 gallons per minute.

Discharge is the volume of water (or more broadly, total fluids), that passes a given point within a given period of time.

Mean discharge (MEAN) is the arithmetic average 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 μ m membrane filter. This is a convenient operational definition used by Federal agencies that collect water data. Determinations of "dissolved" constituents are made on subsamples of the filtrate.

Drainage area of a stream at a specified 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 stream above the specified point. Figures of drainage area given herein include all closed basins, or noncontributing areas, within the area unless otherwise noted.

Gage height (G.H.) is the water-surface elevation referred to some arbitrary gage datum. Gage height is often used interchangeably with the 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 gage height or discharge are obtained. When used in connection with a discharge record, the term is applied only to those gaging stations where a continuous record of discharge is computed.

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 (CaCO₃).

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 precise datum plane that is approximately at land surface at each ground-water observation well.

Measuring point (MP) is a permanent point from which the distance to the water surface is measured to obtain the water level.

Micrograms per liter (UG/L, ug/L) is a unit expressing the concentration of chemical constituents in solution as the weight (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.

Observation well is a well tapping a representative aquifer for a selected area for the purpose of obtaining records of water-level fluctuations and or ground-water quality changes.

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 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 is not necessarily representative of all particles in transport in the stream.

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

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).

Recoverable from bottom material is the amount of a given constituent that 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 factors are degree of slope, length of slope, soil characteristics, land usage, and quantity and intensity of precipitation.

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

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

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

Solute is any substance 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 microsiemens per centimeter at 25°C. Specific conductance is related to the type and concentration of ions in solution and can be used for approximating the dissolved-solids content in 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 or from well to well, and it may even vary in the same source with changes in the composition of the water.

Spring is a place where ground water flows naturally from a rock or the soil onto the land surface or into a body of surface water. Its occurrence depends on the nature and relationship of rocks, especially permeable and impermeable strata, on the position of the water table, and on the topography.

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

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

Kingdom..... Animal
Phylum..... Arthropoda
Class..... Insects
Order..... Ephemeroptera
Family..... Ephemeridae
Genus..... Hexagenia
Species..... Hexagenia limbata

Temperature recorder is the term used to indicate the presence of a thermograph or a digital mechanism that automatically records water temperatures on paper tape. Thermograph is a thermometer that continuously and automatically records, on a chart, the water temperature of a stream.

Tons per day is the quantity of a 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 references to previously published reports.

DOWNSTREAM ORDER AND STATION NUMBERS

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 indentation in a list of stations in the front of the report. Each indentation represents one rank. This downstream order and system of indentation show 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 gaging station, partial-record station, and water-quality 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 gaging stations; therefore, the station number for a partial-record station indicates downstream order position in the 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 02371500, which appears just to the left of the station name includes the 2-digit part number "02" plus the 6-digit downstream order number "371500." In this report, the records are listed in downstream order by parts. The part number refers to an area whose boundaries coincide with certain natural drainage lines. Records in this report are in Part 2 (Eastern Gulf of Mexico Basin) and Part 3 (Ohio River Basin). All records for a drainage basin encompassing more than one state can be arranged in downstream order by assembling pages from the various state reports by station number to include all records in the basin.

NUMBERING SYSTEM FOR WELLS AND MISCELLANEOUS SITES

The 8-digit downstream order station numbers are not assigned to wells and miscellaneous sites where only random water-quality samples or discharge measurements are taken.

The well and miscellaneous site 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 or miscellaneous site and a unique number for each well. 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 (assigned sequentially) identify the wells within a 1-second grid. In the event that the latitude-longitude coordinates for a well and a miscellaneous site are the same, assign sequential numbers "01," "02," etc. as one would for wells, see figure 1.

A local well-numbering system used in Alabama for wells equipped with continuous water-stage recorders utilizes county name abbreviations followed by serial numbers. For example, Bib-1 is well 1 in Bibb County.

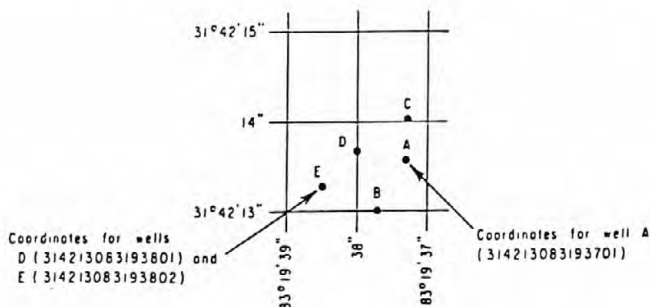


Figure 1.--System for numbering wells and miscellaneous sites (latitude and longitude).

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 in 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.

EXPLANATION OF STAGE AND WATER-DISCHARGE RECORDS

Collection and computation of data

The base data collected at gaging stations consist of records of stage and measurements of discharge of streams or canals, and stage, surface area, and contents of lakes or reservoirs. In addition, observations 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 text-books, in Water-Supply Paper 888, in Water-Supply Paper 2175, 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 curves 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.

For a 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 depositions of sediment in the reservoir, periodic resurveys of the reservoir are necessary to prepare 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, adjoining good record, discharge measurements, weather records, and comparison with other station records from the same or nearby basins. Likewise daily contents may be estimated on the basis of operator's log, adjoining good record, inflow-outflow studies, and other information.

The data in this report generally comprise a description of the station and a table showing the daily, monthly, and yearly discharge of the stream. For gaging stations on lakes and reservoirs, a monthly summary table of stage and contents is given. Tables of daily mean gage heights are included for some streamflow stations and once daily gage height readings are included for some stage 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, type and history of gages, average discharge, extremes of discharge or contents, and general remarks. 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 reported 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 the 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 revisions, 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 report.

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" on page 5.

Information pertaining to the accuracy of the discharge records and to conditions which affect the natural flow at 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. 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 for 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.

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 follow the information for continuous-record sites. Data for partial-record discharge stations are presented in four tables. The first is a table of discharge measurements made at low-flow partial-record stations, second is gage height and discharge at selected times for major flood peaks at flood hydrograph partial-record stations, third is a table of annual maximum stage and discharge at crest stage partial-record stations, and fourth is a table of discharge measurements made at miscellaneous sites.

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 interpretations 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 diversions, for changes in contents of reservoirs, or for other changes incident to use and control. Evaporation from a reservoir is not included in the adjustments for changes in reservoir contents, unless it is so stated. Even at those stations where adjustments are made, large errors in computed runoff may occur if adjustments or losses are large in comparison with the observed discharge.

Other data available

Information of a more detailed nature than that published for most of the gaging stations such as observations 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.

Records of discharge collected by agencies other than the Geological Survey

The Tennessee Valley Authority, the Corps of Engineers, the Geological Survey of Alabama, and National Weather Service have collected records of discharge and records of stage at many sites in Alabama during the 1984 water year that are not included in this report.

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 record for parameters that are measured on a daily basis (specific conductance, water temperature), extremes for the period of daily record, extremes for the current water year, and general remarks.

Revisions

If errors in published water-quality records are discovered after publication, appropriate updates are made to the Water-Quality File in the U.S. Geological Survey's computerized data system, WATSTORE, and subsequently by monthly transfer of update transactions to the U.S. Environmental Protection Agency's STORET system. Users of U.S. Geological Survey water-quality data should be aware of this update procedure because corrections are not documented in the State data-report series.

Water analysis

Most methods for collecting and analyzing water samples are described in 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 concentration of solutes at different locations in the cross section may vary widely with different rates of water discharge, depending on the source of material and the turbulence and mixing of the stream. Some streams must be sampled through several vertical sections to obtain a representative sample needed for an accurate mean concentration and for use in calculating load.

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. The dissolved concentration reported for a particular trace element may occasionally exceed the reported total concentration because of analytical methods. Total concentrations for trace elements do not always equal the sum of dissolved and suspended concentrations because of analytical methods and the reported number of significant figures.

For chemical-quality stations equipped with digital monitors, the 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. More detailed records (hourly values) may be obtained from the district office.

The following remarks codes appear with the data in this report.

- < Actual value is known to be less than the value shown.
- ND Material specifically analyzed for but not detected.
- K Results based on colony counted outside the acceptable range (non-ideal colony count).
- L Value determined in central laboratory.

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 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, 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 at some stations more frequently (twice daily or, in some instances, hourly or less intervals). 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.

Records collected by agencies other than the Geological Survey

The Geological Survey of Alabama, Alabama Department of Environmental Management, Alabama Health Department, Alabama Power Company, Corps of Engineers, Tennessee Valley Authority, Environmental Protection Agency, and National Aeronautics and Space Administration and various county and city agencies have collected records of water quality at many sites in Alabama during the 1984 water year.

EXPLANATION OF GROUND-WATER-LEVEL RECORDS

Collection of the data

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

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

Measurements are made in many types of wells, under varying conditions of access and at different temperatures; hence, neither the method of measurement nor the equipment can be standardized. At each observation well, however, the equipment and techniques used are those that will ensure that measurements at each well are consistent.

Water-level measurements in this report are given in feet with reference to land-surface datum (lstd). Land-surface datum is a datum plane that is approximately at land surface at each well. If known, the altitude of the land-surface datum above mean sea level is given in the well description. The height of the measuring point (MP) above or below land-surface datum is given in each well description. Water levels in wells equipped with recording gages are reported for every fifth day, the end of each month (eom), and for dates when check measurements were made.

Water levels are reported to as many significant figures as can be justified by the local conditions. For example, in a measurement of a depth to water of several hundred feet, the error in determining the absolute value of the total depth to water may be a few tenths of a foot, whereas the error in determining the net change of water level between successive measurements may be only a hundredth or a few hundredths of a foot. For lesser depths to water the accuracy is greater. Accordingly, most measurements are reported to a hundredth of a foot, but some are given only to a tenth of a foot or a larger unit.

Records collected by agencies other than the Geological Survey

The Geological Survey of Alabama, Alabama Health Department, U.S. Army, Corps of Engineers, and Tennessee Valley Authority have collected water-level records and other information on many wells in Alabama during the 1984 water year.

Access to WATSTORE data

The National Water Data STorage and Retrieval System (WATSTORE) was established for handling water data collected through the activities of the U.S. Geological Survey and to provide for more effective and efficient means of releasing the data to the public. The system is operated and maintained on the central computer facilities of the Survey at its National Center in Reston, Virginia.

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

General inquiries about WATSTORE may be directed to:

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

PUBLICATIONS ON TECHNIQUES OF WATER-RESOURCES INVESTIGATIONS

Thirty-seven 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 revision and publication as the need arises. The reports listed below are for sale by the U.S. Geological Survey, Branch of Distribution, 604 South Pickett St., Alexandria, VA 22304 (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-A9. *Measurement of time of travel and dispersion in streams by dye tracing*, by E. F. Hubbard, F. A. Kilpatrick, L. A. Martens, and J. F. Wilson, Jr.: USGS--TWRI Book 3, Chapter A9. 1982. 44 pages.
- 3-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 programed text for self-instruction*, by G. D. Bennett: USGS--TWRI Book 3, Chapter B2. 1976. 172 pages.
- 3-B3. *Type curves for selected problems of flow to wells in confined aquifers*, by J. E. Reed: USGS--TWRI Book 3, Chapter B3. 1980. 106 pages.
- 3-C1. *Fluvial sediment concepts*, by H. P. Guy: USGS--TWRI Book 3, Chapter C1. 1970. 55 pages.
- 3-C2. *Field methods for measurement of fluvial sediment*, by H. P. Guy and V. W. Norman: USGS--TWRI Book 3, Chapter C2. 1970. 59 pages.
- 3-C3. *Computation of fluvial-sediment discharge*, by George Porterfield: USGS--TWRI Book 3, Chapter C3. 1972. 66 pages.
- 4-A1. *Some statistical tools in hydrology*, by H. C. Riggs: USGS--TWRI Book 4, Chapter 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. 40 pages.
- 5-A4. *Methods for collection and analysis of aquatic biological and microbiological samples*, edited by P. E. Greeson, T. A. Ehlike, 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.
- 7-C3. *A model for simulation of flow in singular and interconnected channels*, by R. W. Schaffranek, R. A. Baltzer, and D. E. Goldberg: USGS--TWRI Book 7, Chapter C3. 1981. 110 pages.
- 8-A1. *Methods of measuring water levels in deep wells*, by M. S. Garber and F. C. Koopman: USGS--TWRI Book 8, Chapter A1. 1968. 23 pages.
- 8-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.

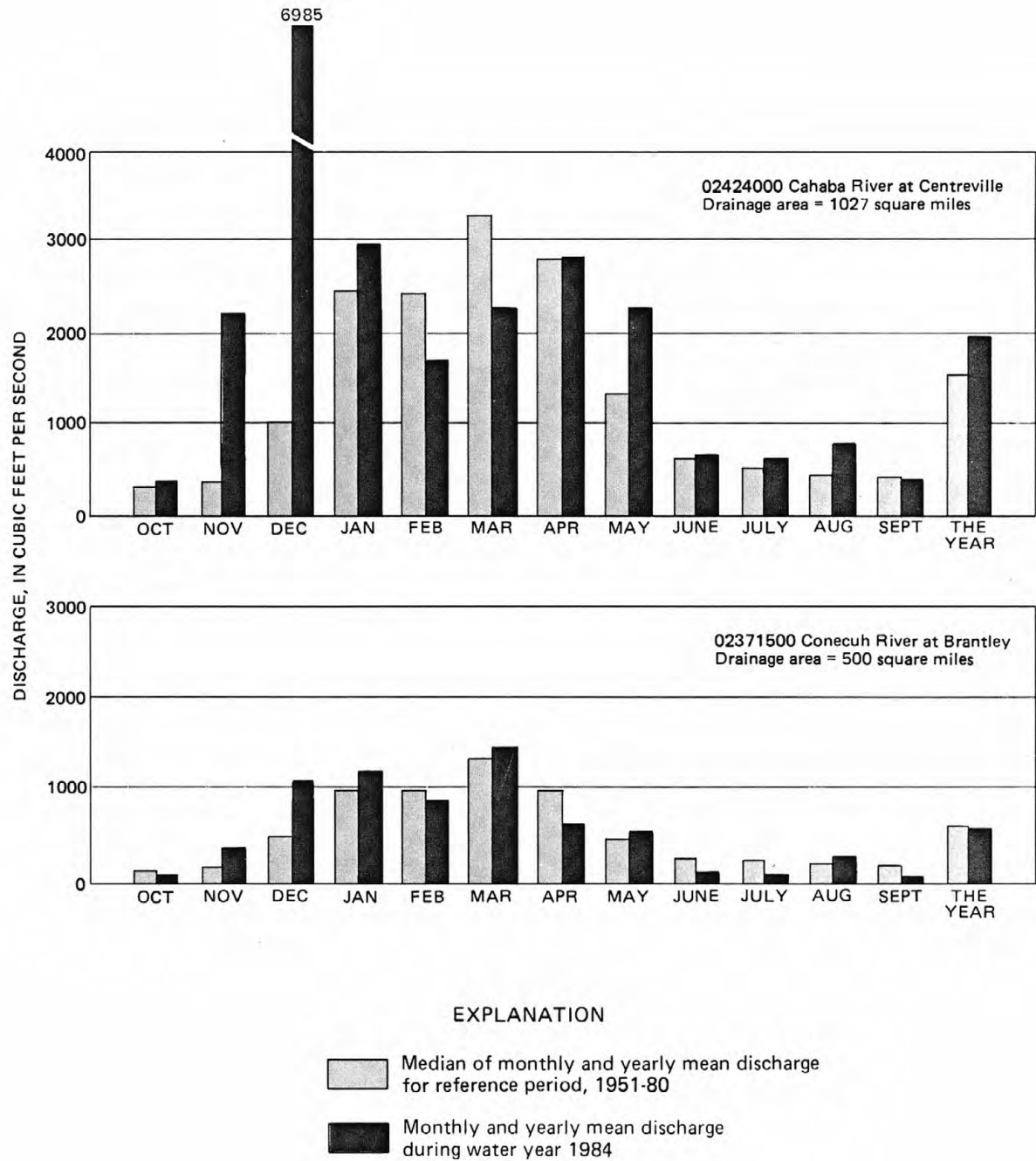


Figure 2.--Comparison of discharge for water year 1984 to the base period 1951-1980 at two long-term representative gaging stations.

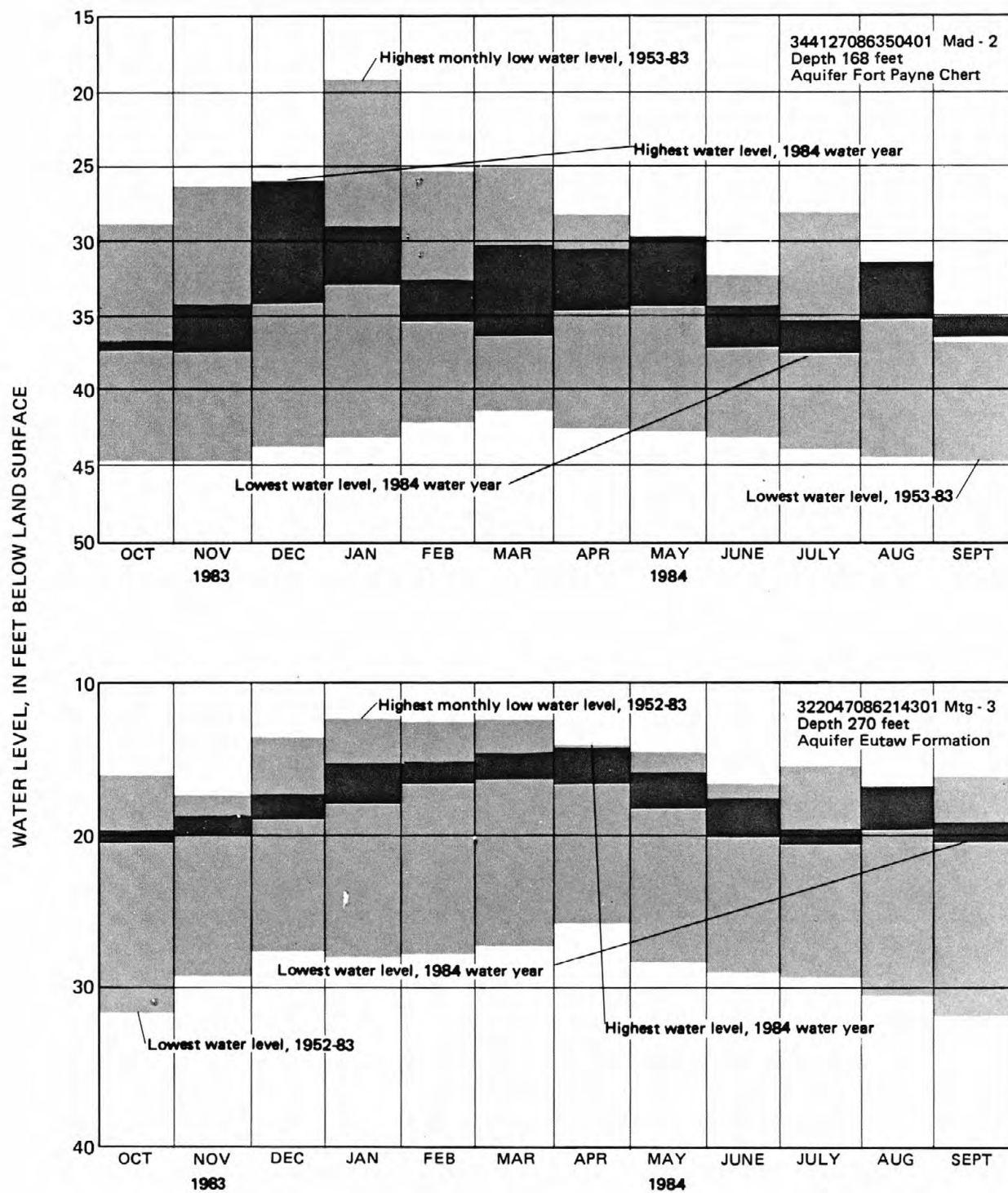


Figure 3.--Comparison of monthly low water levels for water year 1984 to the highest and lowest monthly low water levels for the period of record for two observation wells.

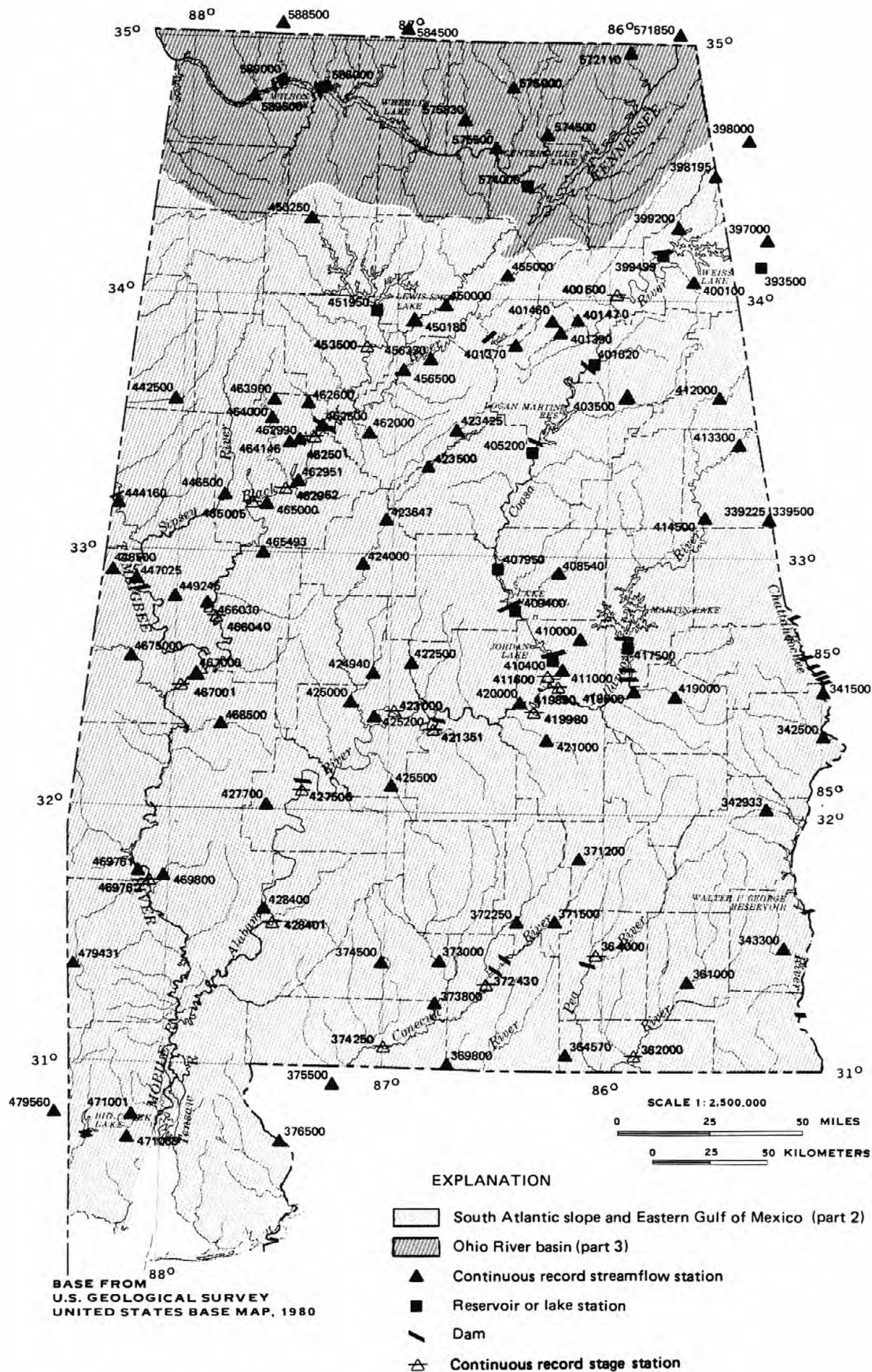


Figure 4.--Map of Alabama showing location of gaging stations.

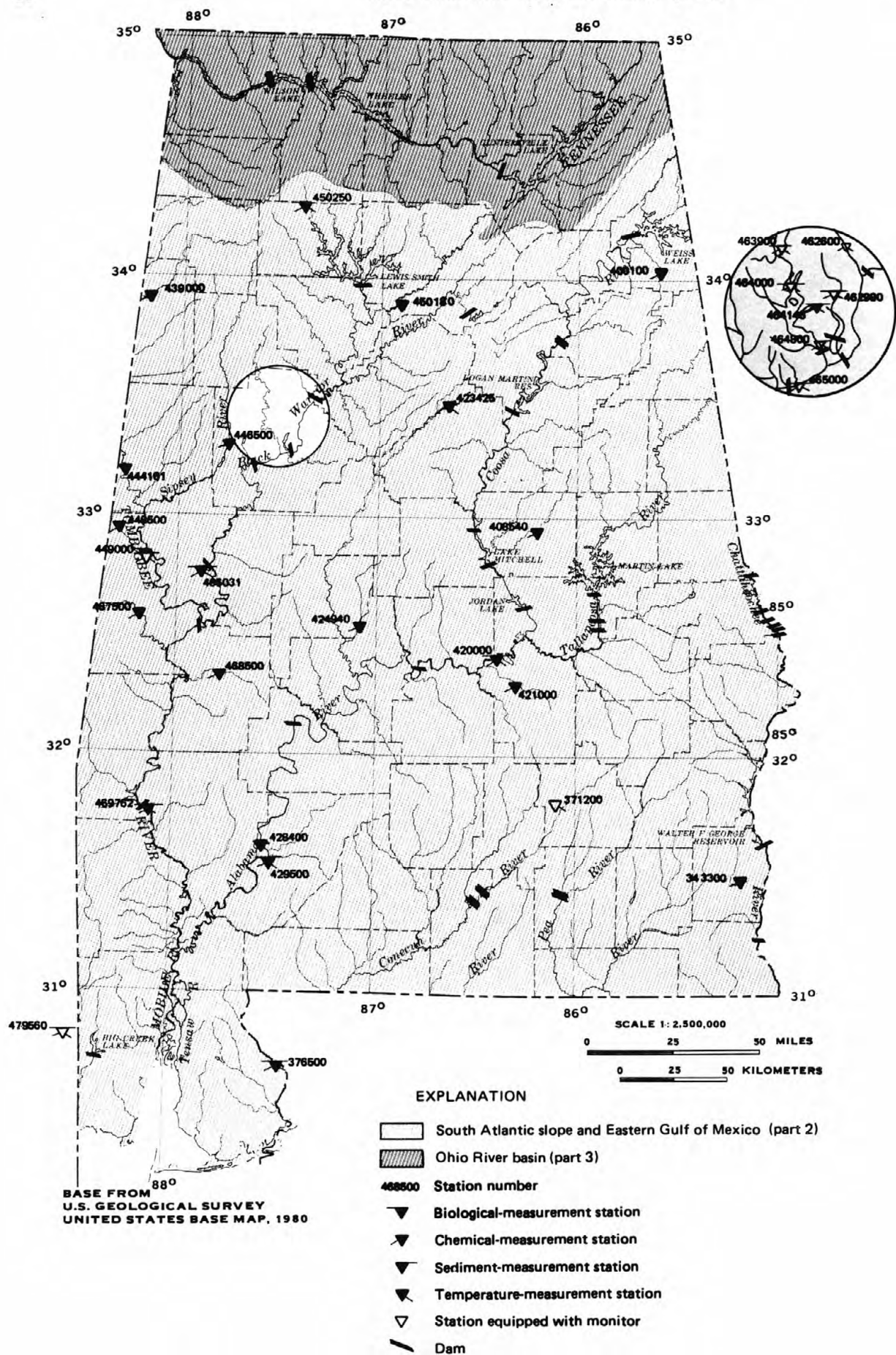


Figure 5.--Map of Alabama showing location of water-quality stations.

APALACHICOLA RIVER BASIN

19

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 downstream of bridge on county road, 0.7 mi downstream from Little Wehadkee Creek, 2.1 mi upstream from Guss Creek, and 3.5 mi southeast of Rock Mills.

DRAINAGE AREA.--60.2 mi².

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

GAGE.--Water-stage recorder. Datum of gage is 647.21 ft, National Geodetic Vertical Datum of 1929.

REMARKS.--Records good, except those of no gage-height record, Dec. 11 to Jan. 16 and May 3-23, which are poor. Some diurnal fluctuation at low flow.

AVERAGE DISCHARGE.--6 years, 96.8 ft³/s, 21.84 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 7,390 ft³/s Feb. 3, 1982, gage height, 14.42 ft; minimum daily discharge, 2.4 ft³/s Oct. 3, 1981.

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

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Nov. 24	1315	1,050	8.56	Dec. 28	unknown	unknown	unknown
Dec. 3	1715	*1,800	*10.27				

Minimum daily discharge, 14 ft³/s Oct. 9, 10.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16	19	81	130	102	149	120	93	51	35	198	28
2	15	18	70	110	98	135	114	92	48	44	314	26
3	15	19	1060	100	99	126	244	200	45	35	456	26
4	15	19	793	95	129	119	215	600	42	29	139	26
5	15	20	267	85	101	146	173	350	40	27	97	28
6	17	19	600	75	91	174	144	180	38	26	77	26
7	15	19	318	70	86	135	129	140	37	24	66	25
8	15	19	181	65	84	120	122	120	37	24	59	23
9	14	19	140	60	85	113	182	100	35	23	58	23
10	14	20	117	100	92	109	145	90	34	22	53	22
11	17	20	150	250	187	107	130	80	33	20	48	22
12	22	19	400	180	120	103	121	74	33	22	74	21
13	28	19	350	140	387	104	113	68	31	23	72	20
14	26	39	200	120	243	101	132	66	30	24	98	20
15	21	253	130	110	164	96	135	74	29	22	59	19
16	19	98	100	100	137	94	112	64	28	60	49	18
17	18	48	90	94	123	98	109	60	27	79	47	18
18	18	38	80	196	113	98	102	56	26	92	49	17
19	17	34	76	318	107	91	98	52	26	44	59	17
20	18	299	72	171	103	201	139	50	25	30	45	17
21	17	156	70	134	98	455	112	70	25	27	41	17
22	17	71	90	116	100	173	102	130	25	25	37	16
23	37	64	120	114	128	140	105	75	33	25	36	16
24	36	761	100	275	102	126	92	60	28	25	35	15
25	24	278	80	216	94	187	87	56	25	23	31	16
26	21	120	70	167	88	138	83	65	23	26	30	15
27	19	96	66	177	485	135	113	116	22	37	30	15
28	19	291	200	146	282	218	104	72	21	74	38	15
29	18	149	800	128	178	206	113	69	43	476	34	15
30	18	98	350	117	---	152	93	62	60	185	36	16
31	18	---	200	107	---	133	---	55	---	409	32	---
TOTAL	599	3142	7421	4266	4206	4482	3783	3439	1000	2037	2497	598
MEAN	19.3	105	239	138	145	145	126	111	33.3	65.7	80.5	19.9
MAX	37	761	1060	318	485	455	244	600	60	476	456	28
MIN	14	18	66	60	84	91	83	50	21	20	30	15
CFSM	.32	1.74	3.97	2.29	2.41	2.41	2.09	1.84	.55	1.09	1.34	.33
IN.	.37	1.94	4.59	2.64	2.60	2.77	2.34	2.13	.62	1.26	1.54	.37

CAL YR 1983	TOTAL	45032	MEAN 123	MAX 1430	MIN 11	CFSM 2.04	IN 27.83
WTR YR 1984	TOTAL	37470	MEAN 102	MAX 1060	MIN 14	CFSM 1.69	IN 23.15

APALACHICOLA RIVER BASIN

02339500 CHATTAHOOCHEE RIVER AT WEST POINT, GA.

LOCATION.--Lat 32°53'10", long 85°10'56", Troup County, Hydrologic Unit 03130002, on right bank just downstream from Oseligee Creek at West Point, 1 mi upstream from bridge on U.S. Highway 29, 2.5 mi downstream from West Point Dam and at mile 198.9.

DRAINAGE AREA.--3,550 mi², approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--July 1896 to current year. Monthly discharge only for some periods, published in WSP 1304. Gage-height records collected at site 0.8 mi downstream since 1899 are contained in reports of National Weather Service.

REVISED RECORDS.--WSP 682: 1920, drainage area. WSP 972: 1931-32. WSP 1504: 1912, 1916-17.

GAGE.--Water-stage recorder. Datum of gage is 551.67 ft National Geodetic Vertical Datum of 1929. Prior to Oct. 20, 1912, nonrecording gage at site 0.8 mi downstream at datum 2.83 ft lower. Oct. 20, 1912, to Jan. 25, 1925, nonrecording gage at site 500 ft upstream at present datum.

REMARKS.--Water-discharge records good. Flow regulated by Lake Sidney Lanier since January 1956 and by West Point Lake since October 1974.

AVERAGE DISCHARGE.--88 years, 5,656 ft³/s, 21.64 in/yr, unadjusted.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 134,000 ft³/s Dec. 10, 1919, gage height, 30.0 ft at site then in use; 29.25 ft at present site, from floodmarks, from rating curve extended above 80,000 ft³/s on basis of computation of peak flow over Langdale Dam; minimum, 224 ft³/s Sept. 12, 1925, gage height, 1.64 ft.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known since at least 1827, that of Dec. 10, 1919. Flood in 1886 reached a stage of 25.6 ft at former site and datum, from floodmark, by National Weather Service, discharge, 92,800 ft³/s.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 25,100 ft³/s Dec. 8, gage height, 12.75 ft; minimum daily, 755 ft³/s May 20, June 10, 23, July 7.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	782	6380	8810	9240	10200	11400	8710	8650	8470	789	19400	775
2	782	6490	8800	9400	10000	11400	9550	8730	7380	3320	23700	760
3	3990	6610	9600	9390	10400	9240	9190	11500	7360	3340	21500	5580
4	3980	6650	21700	9600	1100	9010	9330	16200	7390	3330	15100	6140
5	4030	833	23600	9610	986	9760	9140	16000	7380	3320	14900	7240
6	4010	824	23500	9680	4430	10000	9070	11300	7440	3320	10600	8380
7	4000	6590	23100	1250	4350	9210	8980	15800	7450	755	10600	8740
8	782	6710	24700	935	4390	9270	9100	15900	7430	773	9190	7910
9	777	2930	21300	9360	4360	9250	9230	15800	779	3290	10600	7860
10	3890	6980	16200	9730	4420	9350	7430	10500	755	3300	10700	7910
11	3940	7000	16500	9920	4660	9340	8920	10200	6930	5730	901	7840
12	4970	872	17100	9590	1120	9480	9030	8600	6970	5760	798	8060
13	3950	826	16600	9510	12000	9580	9000	7670	6980	3760	8270	10100
14	3950	4580	16500	9420	4560	9690	8940	6090	7010	763	8550	8290
15	813	4850	12300	9530	9230	9720	8930	8690	7020	768	8380	6710
16	791	3950	12900	9590	8990	9800	8850	8510	769	5760	8320	6850
17	6020	3460	7220	9570	9060	1020	9050	8510	793	5770	8290	6940
18	6140	3560	5880	10100	9060	936	6440	8540	6580	5730	838	7160
19	6120	902	10600	10100	9030	9350	5750	785	6350	5710	4630	5970
20	6230	1080	10700	9960	9090	9990	5810	755	4120	5730	7940	3200
21	6270	4000	11000	9900	9190	10500	5820	7400	2910	5620	8020	3190
22	792	3670	11400	9810	9280	9590	5760	7740	3940	5830	8020	2210
23	795	3550	11500	8220	9290	9310	8730	7660	755	5740	8020	2200
24	4830	4170	6520	8230	9370	9220	8730	7620	762	5750	8050	2160
25	4900	4540	6030	8360	9570	9600	8660	7710	3950	5730	852	2220
26	4890	1220	6600	8160	9430	9510	8770	7100	3970	5760	770	2170
27	4910	1040	6820	8170	9690	10700	8710	3960	3930	5760	6940	2160
28	4950	6820	7530	9910	10800	9570	1090	7060	3930	5830	7580	2160
29	807	9260	10900	9840	11500	9560	895	7060	2430	5910	8360	2560
30	789	8880	9540	9850	---	9240	8520	8280	790	7240	7790	2570
31	6380	---	9190	9940	---	9180	---	8620	---	9980	7970	---
TOTAL	110260	129227	404640	275875	219556	282776	236135	278940	142723	140168	275579	156015
MEAN	3557	4308	13050	8899	7571	9122	7871	8998	4757	4522	8890	5201
MAX	6380	9260	24700	10100	12000	11400	9550	16200	8470	9980	23700	10100
MIN	777	824	5880	935	986	936	895	755	755	755	770	760

CAL YR 1983 TOTAL 2455334 MEAN 6727 MAX 24700 MIN 736 MEAN† 6683 CFSM† 1.88 IN† 25.55
WTR YR 1984 TOTAL 2651894 MEAN 7246 MAX 24700 MIN 755 MEAN† 7305 CFSM† 2.06 IN† 28.01

† ADJUSTED FOR CHANGE IN CONTENTS IN LAKE SIDNEY LANIER AND WEST POINT LAKE.

APALACHICOLA RIVER BASIN

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02339500 CHATTAHOOCHEE RIVER AT WEST POINT, GA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.01	4.88	6.09	6.29	6.67	7.29	6.02	6.01	5.88	2.11	10.72	2.00
2	2.01	4.93	6.08	6.33	6.61	7.27	6.44	6.06	5.33	3.35	12.27	1.99
3	3.69	4.98	6.36	6.34	6.75	6.24	6.25	7.31	5.32	3.36	11.48	4.43
4	3.68	5.00	11.57	6.42	2.27	6.11	6.33	9.49	5.34	3.36	9.03	4.71
5	3.72	2.06	12.23	6.43	2.19	6.49	6.24	9.40	5.33	3.35	8.96	5.23
6	3.70	2.05	12.21	6.46	3.95	6.68	6.20	7.22	5.37	3.34	6.91	5.78
7	3.69	4.96	12.06	2.33	3.92	6.28	6.14	9.32	5.37	2.07	6.91	5.98
8	2.01	5.03	12.60	2.14	3.93	6.29	6.19	9.37	5.35	2.09	6.27	5.58
9	2.01	3.21	11.39	6.30	3.92	6.28	6.26	9.33	2.10	3.33	6.87	5.52
10	3.71	5.13	9.50	6.49	3.95	6.31	5.44	6.86	2.07	3.33	6.93	5.54
11	3.74	5.16	9.64	6.61	4.08	6.30	6.11	6.69	5.10	4.51	2.10	5.51
12	4.29	2.09	9.87	6.45	2.30	6.36	6.18	5.98	5.13	4.53	2.03	5.61
13	3.75	2.05	9.67	6.41	7.50	6.41	6.17	5.54	5.13	3.56	5.73	6.59
14	3.75	4.00	9.60	6.35	4.09	6.45	6.14	4.88	5.15	2.08	5.90	5.78
15	2.04	4.19	7.68	6.40	6.31	6.46	6.13	6.15	5.15	2.09	5.83	5.04
16	2.02	3.80	7.95	6.44	6.17	6.50	6.09	5.92	2.09	4.53	5.74	5.08
17	4.63	3.48	5.34	6.42	6.21	2.22	6.18	5.93	2.11	4.54	5.76	5.12
18	4.69	3.52	4.65	6.64	6.21	2.15	4.95	5.94	4.91	4.52	2.06	5.21
19	4.68	2.12	6.86	6.69	6.19	6.27	4.59	2.10	4.83	4.51	3.98	4.66
20	4.72	2.27	6.89	6.62	6.22	6.57	4.64	2.07	3.74	4.51	5.58	3.35
21	4.74	3.82	7.00	6.56	6.26	6.86	4.66	5.34	3.17	4.44	5.64	3.34
22	2.02	3.61	7.14	6.51	6.30	6.44	4.62	5.57	3.65	4.58	5.63	2.81
23	2.02	3.54	7.20	5.77	6.30	6.29	6.05	5.52	2.07	4.51	5.63	2.81
24	4.06	3.91	4.94	5.77	6.34	6.26	6.06	5.50	2.08	4.52	5.64	2.79
25	4.10	4.14	4.71	5.85	6.43	6.44	6.02	5.54	3.65	4.51	2.06	2.82
26	4.09	2.38	4.99	5.75	6.33	6.41	6.07	5.22	3.66	4.52	2.00	2.79
27	4.10	2.24	5.09	5.75	6.46	6.96	6.04	3.68	3.64	4.52	5.09	2.79
28	4.11	5.14	5.45	6.57	6.99	6.43	2.28	5.18	3.64	4.56	5.40	2.79
29	2.03	6.26	7.03	6.52	7.33	6.43	2.16	5.19	2.90	4.63	5.78	3.00
30	2.02	6.13	6.40	6.53	---	6.29	5.93	5.76	2.11	5.27	5.51	3.01
31	4.87	---	6.23	6.57	---	6.25	---	5.98	---	6.57	5.61	---
MEAN	3.44	3.87	7.88	6.09	5.45	6.19	5.62	6.13	4.05	3.93	5.97	4.26
MAX	4.87	6.26	12.60	6.69	7.50	7.29	6.44	9.49	5.88	6.57	12.27	6.59
MIN	2.01	2.05	4.65	2.14	2.19	2.15	2.16	2.07	2.07	2.07	2.00	1.99
CAL YR 1983	MEAN	4.99	MAX	12.60	MIN	2.01						
WTR YR 1984	MEAN	5.25	MAX	12.60	MIN	1.99						

APALACHICOLA RIVER BASIN

02339500 CHATTAHOOCHEE RIVER AT WEST POINT, GA--Continued

WATER-QUALITY RECORDS

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	TEMPER- ATURE, AIR (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)			
OCT 05...	0630	781	77	7.0	22.0	22.0	5.5	64			
NOV 03...	0730	860	76	7.2	17.0	10.5	7.6	80			
DEC 08...	0800	24800	58	6.8	12.0	1.0	8.8	83			
JAN 05...	0755	10900	59	7.2	5.0	3.5	11.2	90			
FEB 08...	0830	13400	77	7.2	6.0	-4.0	10.8	86			
MAR 07...	0830	15000	55	7.2	10.5	6.0	9.8	90			
APR 05...	0800	14400	57	7.0	14.5	8.0	9.3	93			
MAY 03...	0635	7350	56	7.0	18.0	21.0	8.0	88			
JUN 07...	0800	815	77	7.1	21.5	27.5	6.5	74			
JUL 11...	0600	770	78	7.0	24.5	22.0	4.0	49			
AUG 09...	0645	8830	63	--	24.0	24.0	4.6	55			
SEP 06...	0715	770	69	7.0	23.5	16.0	5.8	69			

DATE	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	ALKA- LINITY LAB (MG/L AS CACO3)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)
OCT 05...	4.0	1.0	20	20	3.9	0.35	0.080	0.070	1.3	400	130
NOV 03...	4.0	1.0	<20	20	2.5	.50	.070	<.020	2.7	280	70
DEC 08...	29	1.1	50	14	4.3	.46	.200	.070	3.1	1400	130
JAN 05...	32	1.7	20	15	1.8	.51	.180	.080	3.2	1800	140
FEB 08...	20	1.7	<20	14	1.7	.49	.210	.060	1.9	430	85
MAR 07...	15	1.4	<20	14	1.7	.46	.090	.070	2.0	520	40
APR 05...	15	.9	20	15	2.9	.46	.070	.040	2.5	630	45
MAY 03...	10	2.9	50	11	2.2	.38	.120	.040	2.9	630	85
JUN 07...	5.0	.7	<20	22	3.4	.31	.080	.030	2.4	350	110
JUL 11...	5.0	.5	--	20	3.9	.11	.070	.040	1.9	820	230
AUG 09...	25	1.2	40	15	--	.33	.100	.080	3.4	1300	100
SEP 06...	5.0	1.3	<20	21	4.1	.20	.060	.030	2.5	350	120

APALACHICOLA RIVER BASIN

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02339500 CHATTAHOOCHEE RIVER AT WEST POINT, GA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

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)		
OCT							
25...	0955	815	24.5	1	2.2		
NOV							
15...	0750	5610	--	21	318		
15...	0755	5610	--	21	318		
15...	0840	7770	--	16	336		
15...	0845	7770	--	16	336		
15...	0930	8710	--	11	259		
15...	1045	5840	--	8	126		
15...	1050	5840	--	6	95		
15...	1145	3010	--	9	73		
15...	1150	3010	--	10	81		
DEC							
05...	1255	23800	18.5	16	1030		
07...	1045	21200	--	17	973		
07...	1050	21200	--	14	801		
08...	1330	24800	--	21	1410		
MAY							
23...	0915	1210	20.0	13	43		
23...	0920	1210	20.0	15	49		
JUN							
28...	1050	837	25.5	9	20		
28...	1055	837	25.5	14	32		
AUG							
01...	1325	21200	--	9	515		
03...	1120	23700	--	10	640		
03...	1125	23700	--	10	640		
16...	0900	837	25.0	18	41		
16...	0905	837	25.0	18	41		
DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM	SED. SUSP. SIEVE DIAM. % FINER THAN .125 MM	SED. SUSP. SIEVE DIAM. % FINER THAN .250 MM	SED. SUSP. SIEVE DIAM. % FINER THAN .500 MM	SED. SUSP. SIEVE DIAM. % FINER THAN 1.00 MM
NOV							
15...	0930	8710	76	84	90	100	--
15...	0935	8710	86	--	--	--	--
15...	1045	5840	89	--	--	--	--
DEC							
07...	1045	21200	88	--	--	--	--
08...	1330	24800	60	78	82	97	100
08...	1335	24800	81	--	--	--	--
AUG							
01...	1325	21200	72	82	92	100	--
01...	1330	21200	69	--	--	--	--
03...	1120	23700	66	--	--	--	--
DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	BED MAT. SIEVE DIAM. % FINER THAN .062 MM	BED MAT. SIEVE DIAM. % FINER THAN .125 MM	BED MAT. SIEVE DIAM. % FINER THAN .250 MM	BED MAT. SIEVE DIAM. % FINER THAN .500 MM	BED MAT. SIEVE DIAM. % FINER THAN 1.00 MM
DEC							
07...	1340	22300	<1	<1	6	33	46
07...	1341	22300	--	<1	4	18	28
07...	1342	22300	<1	<1	2	10	21
07...	1342	22300	<1	<1	2	7	16
DATE	TIME	BED MAT. SIEVE DIAM. % FINER THAN 2.00 MM	BED MAT. SIEVE DIAM. % FINER THAN 4.00 MM	BED MAT. SIEVE DIAM. % FINER THAN 8.00 MM	BED MAT. SIEVE DIAM. % FINER THAN 16.0 MM	BED MAT. SIEVE DIAM. % FINER THAN 32.0 MM	BED MAT. SIEVE DIAM. % FINER THAN 64.0 MM
DEC							
07...	48	49	50	58	>58	100	
07...	36	45	62	96	100	--	
07...	24	26	32	49	68	100	
07...	22	27	38	70	100	--	

APALACHICOLA RIVER BASIN

02339780 CHATTAHOOCHEE RIVER AT LANGDALE, AL

LOCATION.--Lat 32°48'50", long 85°10'03", Chambers County, Ala.-Harris County, Ga., Hydrologic Unit 03130002, at right end of Langdale Dam, 0.3 mi upstream from Moores Creek, 0.4 mi south of Langdale, and 2.8 mi downstream from Long Cane Creek.

DRAINAGE AREA.--3,630 mi².

PERIOD OF RECORD.--October 1982 to current year.

GAGE.--Water-stage recorder. Datum of gage is 540.01 ft, National Geodetic Vertical Datum of 1929.

REMARKS.--No gage-height record Jan. 9-17. Flow regulated by Lake Sidney Lanier since January 1956 and by West Point Lake since October 1974.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 11.10 ft Apr. 10, 1983.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 11.01 ft Dec. 9.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.50	8.93	9.36	9.38	9.53	9.73	9.34	9.37	9.22	7.92	10.62	7.96
2	7.86	8.96	9.34	9.40	9.51	9.72	9.57	9.37	8.96	8.24	10.95	7.91
3	8.34	8.97	9.33	9.42	9.54	9.43	9.46	9.65	9.01	8.16	10.82	8.71
4	8.25	8.98	10.81	9.42	8.08	9.32	9.49	10.35	9.01	8.07	10.24	8.81
5	8.29	7.44	10.92	9.43	7.77	9.43	9.46	10.35	8.99	8.08	10.26	8.87
6	8.28	7.45	10.85	9.44	8.49	9.65	9.44	9.71	8.99	8.16	9.60	9.08
7	8.29	8.86	10.83	7.76	8.68	9.47	9.39	10.30	9.06	7.34	9.60	9.29
8	7.77	9.01	10.93	7.03	8.69	9.45	9.41	10.31	8.99	7.01	9.47	9.21
9	7.88	8.45	10.68	---	8.69	9.45	9.44	10.32	7.32	7.88	9.54	9.05
10	8.33	8.59	10.24	---	8.68	9.43	9.25	9.68	7.17	8.06	9.61	9.00
11	8.42	9.02	10.31	---	8.70	9.43	9.35	9.53	8.66	8.36	7.71	9.09
12	8.75	7.87	10.38	---	8.09	9.44	9.42	9.33	8.78	8.62	7.72	9.05
13	8.54	7.90	10.33	---	9.63	9.45	9.42	9.23	8.70	8.39	9.08	9.53
14	8.53	8.57	10.29	---	8.83	9.47	9.41	8.94	8.72	7.41	9.28	9.22
15	7.95	8.76	9.77	---	9.53	9.48	9.41	9.55	8.69	7.58	9.28	9.15
16	7.91	8.73	9.84	---	9.41	9.48	9.40	9.24	7.40	8.64	9.23	9.02
17	8.54	8.53	9.16	---	9.44	7.98	9.41	9.31	7.61	8.68	9.21	9.03
18	8.71	8.50	8.86	9.50	9.42	7.18	9.13	9.31	8.17	8.66	7.62	9.06
19	8.67	7.58	9.52	9.57	9.41	9.02	8.89	7.48	8.73	8.62	8.31	8.87
20	8.75	7.98	9.49	9.57	9.42	9.52	8.96	7.47	8.46	8.64	9.01	8.42
21	8.70	8.67	9.52	9.53	9.43	9.66	8.99	8.84	7.82	8.42	9.17	8.36
22	7.92	8.64	9.55	9.48	9.45	9.57	8.94	9.15	8.02	8.81	9.16	8.08
23	8.08	8.53	9.58	9.30	9.44	9.46	9.33	9.14	7.01	8.64	9.14	8.11
24	8.45	8.71	8.94	9.25	9.45	9.42	9.41	9.12	6.14	8.67	9.15	8.11
25	8.47	8.87	8.90	9.32	9.53	9.52	9.39	9.12	7.62	8.64	7.54	8.08
26	8.41	8.20	8.98	9.30	9.39	9.52	9.40	9.11	7.98	8.66	6.57	8.09
27	8.44	7.92	8.99	9.29	9.46	9.64	9.38	8.30	7.97	8.73	8.64	8.07
28	8.39	8.94	9.18	9.53	9.58	9.51	7.99	8.97	8.08	8.74	8.99	8.09
29	7.97	9.45	9.66	9.49	9.76	9.55	6.92	8.99	7.95	8.94	9.17	8.14
30	7.88	9.41	9.46	9.50	---	9.48	9.11	9.09	7.45	9.03	9.16	8.24
31	8.85	---	9.39	9.51	---	9.45	---	9.40	---	9.41	9.17	---
MEAN	8.29	8.55	9.79	---	9.14	9.36	9.20	9.29	8.22	8.36	9.13	8.66
MAX	8.85	9.45	10.93	---	9.76	9.73	9.57	10.35	9.22	9.41	10.95	9.53
MIN	7.50	7.44	8.86	---	7.77	7.18	6.92	7.47	6.14	7.01	6.57	7.91

APALACHICOLA RIVER BASIN

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02341500 CHATTAHOOCHEE RIVER AT COLUMBUS, GA.

LOCATION.--Lat 32°27'45", long 84°59'52", Muscogee County, Ga.--Russell County, Ala., Hydrologic Unit 03130003, on downstream side of center pier of Central of Georgia railway bridge at Columbus, 0.5 mi downstream from Eagle and Phenix Dam, 1.2 mi downstream from City Mills Dam, 2.6 mi downstream from North Highlands Dam, 3.3 mi downstream from Oliver Dam, 17.5 mi downstream from Bartletts Ferry Dam, and at mile 159.9.

DRAINAGE AREA.--4,670 mi², approximately.

PERIOD OF RECORD.--August 1929 to current year. Records for December 1912, published in WSP 322, have been found to be unreliable and should not be used.

REVISED RECORDS.--WSP 1082: 1943(M). See also period of record.

GAGE.--Water-stage recorder. Datum of gage is 183.14 ft, National Geodetic Vertical Datum of 1929. Dec. 1-31, 1912, nonrecording gage at site 800 ft upstream at datum 2.0 ft higher, and Aug. 23, 1929, to Sept. 30, 1975, recording gage at present site, at datum 2.0 ft higher. Oct. 1, 1963, to Sept. 30, 1966, water-stage recorder at Walter F. George Reservoir, and since Oct. 1, 1966, water-stage recorder at Alabama State Docks used as auxiliary gage for this station.

REMARKS.--Records fair except those 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. Records of chemical analyses for the period February 1968 to May 1972 are published in reports of the Geological Survey.

AVERAGE DISCHARGE.--55 years, 6,847 ft³/s, 19.91 in/yr, unadjusted.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 145,000 ft³/s Feb. 26, 1961; maximum gage height, 47.8 ft Feb. 25, 1961; minimum discharge, 294 ft³/s Oct. 23, Nov. 14, 1931; minimum daily, 480 ft³/s Oct. 31, 1931.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum discharge known since at least 1827, 198,000 ft³/s Mar. 15, 1929, computation of flow at North Highlands Dam before redevelopment; maximum stage known, 53.2 ft Mar. 16, 1929.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 40,500 ft³/s Dec. 4; maximum gage height, 20.57 ft Dec. 4; minimum daily, 1,050 ft³/s Nov. 13.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1390	3440	8980	11400	10800	12700	12200	9990	8770	1610	25700	5670
2	1710	3730	9050	12200	12500	13500	12000	7880	8310	2280	33300	3500
3	3000	5580	9330	11300	12000	13400	12000	10900	7430	3360	30600	6210
4	3970	5200	31600	11400	11600	12300	12400	19700	7890	2900	20300	6580
5	3310	1650	32300	11500	6020	12000	12000	22000	8990	3720	19800	8820
6	3130	1140	32200	10100	4760	13500	11600	14700	7530	3160	13300	8310
7	3480	4110	30100	5590	5200	15700	11600	15400	8110	2040	10600	8890
8	1320	4750	29300	3180	4900	13200	11700	20300	8440	1730	13400	11500
9	1280	3210	29900	5750	5280	12700	11800	17600	4310	2360	10300	8850
10	2220	3630	17600	10200	5520	11800	8310	15500	1780	2200	11100	10400
11	2800	3270	25800	11900	4540	10900	9300	11000	5990	3690	8300	9570
12	3900	1850	27000	12800	2620	10100	9100	9790	4750	6180	4550	9430
13	5730	1050	23400	11900	9740	11000	9120	11600	6660	3340	7850	10500
14	3260	3190	21700	11800	12300	12500	9200	7970	6630	4020	9660	11800
15	1250	2630	17000	12100	13200	10700	11700	7520	6290	2170	10800	9490
16	1300	2700	13000	10900	12400	11900	12200	8210	3120	4640	10300	8800
17	4750	3520	14900	11000	10600	8650	11000	8390	1790	5680	9620	9630
18	3830	2250	8330	12000	11000	2440	8370	8580	5100	6510	9790	9090
19	4420	1100	8420	21000	10900	5690	6430	2430	6710	5840	7510	8990
20	4980	2400	10100	18000	11600	8840	9670	1250	5080	4890	9490	5690
21	4010	3280	11800	12000	10300	18400	4630	6590	2850	3960	9620	5050
22	1550	3590	14200	14200	10400	14300	6840	8470	3960	7700	10000	2610
23	1500	4490	14400	13500	10200	13600	10700	8330	1800	7860	9590	3590
24	3630	4260	12200	12200	7620	11900	9640	8920	1830	5990	9740	3390
25	3020	6510	10200	12000	6930	14700	10700	8910	3580	5900	6710	3460
26	2910	7000	8900	11500	11100	14900	9090	8510	3150	6320	2360	3680
27	3090	3880	7100	11700	17800	15200	10300	6010	3240	6690	5810	2010
28	3720	9560	12400	11000	15800	14400	8830	7170	3700	6390	7890	1850
29	1120	9740	16200	11400	12400	14000	3310	8230	2960	8120	8940	1980
30	1180	9430	17700	11800	---	13200	5010	7350	1620	9990	6760	2290
31	3590	---	14800	11800	---	11400	---	8970	---	11900	7880	---
TOTAL	90350	122140	539910	359120	280030	379520	290750	318170	152370	153140	361570	201630
MEAN	2915	4071	17420	11580	9656	12240	9692	10260	5079	4940	11660	6721
MAX	5730	9740	32300	21000	17800	18400	12400	22000	8990	11900	33300	11800
MIN	1120	1050	7100	3180	2620	2440	3310	1250	1620	1610	2360	1850

CAL YR 1983 TOTAL 3208150 MEAN 8789 MAX 53100 MIN 1050 MEAN† 8828 CFSM† 1.89 IN† 25.66
WTR YR 1984 TOTAL 3248700 MEAN 8876 MAX 33300 MIN 1050 MEAN† 8768 CFSM† 1.88 IN† 25.56

† ADJUSTED FOR CHANGE IN CONTENTS IN LAKE SIDNEY LANIER, WEST POINT LAKE, AND LAKE HARDING.

APALACHICOLA RIVER BASIN

02341500 CHATTAHOOCHEE RIVER AT COLUMBUS, GA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.61	5.97	9.20	10.02	9.85	10.66	10.44	9.60	8.80	5.84	15.53	7.74
2	5.83	6.22	9.03	10.47	10.55	10.85	10.40	8.77	8.60	6.25	18.87	6.91
3	6.43	7.02	9.16	10.08	10.37	10.77	10.35	9.82	8.46	6.56	17.88	7.91
4	6.74	6.64	17.41	10.08	10.31	10.39	10.45	13.49	8.72	6.51	14.14	8.12
5	6.47	4.65	18.46	10.02	8.26	10.45	10.33	14.59	9.10	6.76	13.43	8.88
6	6.28	4.28	18.30	9.55	7.74	11.53	10.11	11.77	8.47	6.39	11.21	8.65
7	6.38	6.16	17.82	7.58	7.77	12.53	10.06	11.75	8.74	5.95	9.76	8.72
8	5.29	6.44	17.31	6.67	7.55	11.26	10.17	13.73	8.92	5.85	10.89	9.81
9	5.34	5.89	17.53	7.77	7.57	10.90	10.31	12.54	7.29	6.19	9.60	8.80
10	5.87	5.97	12.83	9.57	7.54	10.42	9.03	11.83	6.38	6.02	9.87	9.41
11	6.01	5.77	15.82	10.37	7.12	9.97	9.47	9.86	8.02	6.62	8.91	9.16
12	6.42	4.75	17.01	10.76	6.24	9.68	9.39	9.24	7.51	7.73	7.62	9.08
13	7.24	3.80	15.48	10.33	9.30	9.91	9.38	9.96	8.20	6.56	8.91	9.46
14	6.13	5.62	14.53	10.26	10.65	10.48	9.41	8.69	8.15	6.83	9.58	10.12
15	4.96	5.35	13.02	10.45	11.01	9.71	10.33	8.21	7.98	6.16	10.00	9.14
16	5.10	5.34	10.60	10.00	10.62	10.05	10.54	8.51	6.74	7.21	9.86	9.14
17	6.88	5.77	11.53	9.97	9.79	8.92	10.11	8.64	6.21	7.68	9.61	9.49
18	6.45	4.95	8.99	10.40	9.89	6.35	9.27	8.51	7.52	8.07	9.60	9.20
19	6.72	3.73	8.88	---	9.79	7.74	8.31	6.06	8.18	7.80	8.86	9.17
20	6.87	5.18	9.48	---	10.09	8.82	9.51	5.46	7.50	7.29	9.48	7.94
21	6.48	5.82	10.12	---	9.57	13.06	7.59	7.81	6.53	6.92	9.47	7.54
22	4.96	6.07	11.24	---	9.56	11.26	8.39	8.75	6.96	8.41	9.63	6.51
23	5.07	6.57	---	---	9.44	10.95	9.91	8.66	6.01	8.81	9.46	6.98
24	6.35	6.64	---	---	8.23	10.25	9.53	8.97	6.11	7.93	9.35	6.93
25	5.95	7.64	---	---	7.92	11.91	9.91	8.93	6.88	7.80	8.29	6.95
26	5.80	8.03	---	---	9.72	12.17	9.30	8.88	6.65	7.85	6.71	6.98
27	5.83	7.09	---	---	12.67	12.11	9.74	8.13	6.58	8.07	8.04	6.27
28	6.09	9.57	---	---	12.33	11.71	9.26	8.53	6.75	7.87	8.75	6.12
29	4.01	9.76	---	---	10.75	11.45	7.25	8.99	6.38	8.72	9.11	6.13
30	4.08	9.55	---	---	---	10.93	7.78	8.44	5.74	9.57	8.34	6.33
31	5.72	---	---	10.40	---	10.08	---	8.99	---	10.39	8.61	---
MEAN	5.91	6.21	---	---	9.39	10.56	9.53	9.55	7.47	7.31	10.30	8.12
MAX	7.24	9.76	---	---	12.67	13.06	10.54	14.59	9.10	10.39	18.87	10.12
MIN	4.01	3.73	---	---	6.24	6.35	7.25	5.46	5.74	5.84	6.71	6.12

APALACHICOLA RIVER BASIN

27

02342500 UCHEE CREEK NEAR FORT MITCHELL, AL

LOCATION.--Lat 32°19'00", long 85°00'54", in SW¼ sec. 3, T. 15 N., R. 30 E., Russell County, Hydrologic Unit 03130003, 50 ft right of channel, 100 ft upstream from bridge on State Highway 165, 2 mi south of Fort Mitchell, 4.8 mi downstream from Little Uchee Creek, and 5.3 mi upstream from mouth.

DRAINAGE AREA.--322 mi² (revised).

PERIOD OF RECORD.--October 1946 to current year. Monthly discharge only October 1946 to August 1953, published in WSP 1724.

GAGE.--Water-stage recorder. Datum of gage is 201.76 ft National Geodetic Vertical Datum of 1929. Prior to Sept. 1, 1953, at site 1,000 ft upstream at same datum, and Sept. 1, 1953 to Aug. 15, 1965, at site 120 ft downstream at same datum.

REMARKS.--Records fair. Records of specific conductance and water temperature for the water year 1984 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--38 years, 447 ft³/s, 18.85 in./yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 55,100 ft³/s Apr. 9, 1964, gage height, 26.45 ft; minimum, 5.6 ft³/s Oct. 5, 1981.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 4,500 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec. 29	1300	5,090	7.57	Mar. 26	0400	*5,530	*8.23

Minimum discharge, 20 ft³/s Sept. 23, 24.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1	69	56	547	913	530	657	585	303	127	36	933	42	
2	65	52	471	792	518	580	553	255	107	50	1390	40	
3	62	52	443	731	508	539	626	437	93	48	646	38	
4	62	52	1120	685	588	510	809	1700	84	41	402	61	
5	61	52	1270	646	611	1160	680	1000	75	36	251	54	
6	59	52	866	615	531	2610	565	524	69	32	177	45	
7	56	52	738	588	471	1860	514	397	64	28	131	39	
8	52	54	593	552	446	1010	477	319	57	26	105	35	
9	52	55	526	528	438	743	718	423	52	26	91	35	
10	52	55	491	745	439	649	641	372	50	26	75	33	
11	50	56	1060	1240	475	608	517	271	47	23	64	32	
12	50	57	2580	908	499	569	472	220	48	24	67	30	
13	96	58	2080	663	1320	551	431	193	48	34	117	30	
14	167	72	1040	590	2000	529	400	175	48	37	230	30	
15	184	142	748	557	1050	500	366	224	42	36	192	30	
16	119	255	608	558	706	487	337	202	38	33	119	29	
17	94	252	528	566	611	471	400	159	35	55	87	26	
18	98	172	498	878	557	476	450	135	32	111	70	25	
19	112	134	475	2120	518	479	380	124	30	78	68	25	
20	92	396	462	1800	497	837	340	113	27	60	67	23	
21	80	671	443	949	476	1810	360	106	27	54	67	23	
22	73	504	697	718	460	1180	350	285	40	56	60	23	
23	72	304	1570	650	464	701	320	369	41	358	53	20	
24	72	563	1030	788	463	595	285	247	42	195	65	21	
25	72	1150	603	999	432	3830	246	171	38	94	61	22	
26	72	841	508	978	410	3850	218	166	33	62	53	22	
27	69	508	483	886	1070	1490	290	243	29	62	54	22	
28	64	1270	1720	814	1740	1060	380	171	25	125	47	22	
29	62	1510	4170	695	958	872	620	232	57	103	47	22	
30	62	816	2530	620	---	705	599	226	46	155	47	22	
31	60	---	1270	571	---	630	---	174	---	464	45	---	
TOTAL	2410	10263	32168	25343	19786	32548	13929	9936	1551	2568	5881	921	
MEAN	77.7	342	1038	818	682	1050	464	321	51.7	82.8	190	30.7	
MAX	184	1510	4170	2120	2000	3850	809	1700	127	464	1390	61	
MIN	50	52	443	528	410	471	218	106	25	23	45	20	
CFSM	.24	1.06	3.22	2.54	2.12	3.26	1.44	.00	.16	.26	.59	.10	
IN.	.28	1.19	3.72	2.93	2.29	3.76	1.61	1.15	.18	.30	.68	.11	
CAL YR 1983	TOTAL	204303		MEAN	560	MAX	7230	MIN	22	CFSM	1.74	IN.	23.60
WTR YR 1984	TOTAL	157304		MEAN	430	MAX	4170	MIN	20	CFSM	1.34	IN.	18.17

APALACHICOLA RIVER BASIN

02342933 SOUTH FORK COWIKEE CREEK NEAR BATESVILLE, AL

LOCATION.--Lat 32°01'03", long 85°17'45", in SE¼ sec. 14, T. 12 N., R. 27 E., Barbour County, Hydrologic Unit 03130003, on left bank at downstream side of bridge on county road, 0.1 mi downstream from Bear Creek, 1.2 mi northeast of Batesville, 11.2 mi northwest of Eufaula, and 13.0 mi upstream from mouth.

DRAINAGE AREA.--112 mi² (revised).

PERIOD OF RECORD.--October 1963 to September 1971, October 1972 to September 1974 (annual peak discharge only), October 1974 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 200 ft, from topographic map.

REMARKS.--Records good. Records of specific conductance and water temperature for the water year 1984 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--18 years (water years 1964-1971, 1975-1984), 130 ft³/s, 15.76 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 18,100 ft³/s Feb. 17, 1975, gage height, 37.08 ft; minimum, 0.44 ft³/s Sept. 30, Oct. 1, 2, 3, 1981.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,000 ft³/s Mar. 5, gage height, 10.01 ft, no peak above base of 3,500 ft³/s; minimum, 1.6 ft³/s June 21, Sept. 27.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1	6.9	11	61	108	104	96	64	64	14	12	430	8.3	
2	7.5	9.9	60	97	100	85	62	52	13	292	1040	7.9	
3	7.8	9.6	61	90	98	80	244	328	12	37	313	7.8	
4	8.7	11	90	84	140	76	186	863	11	21	82	9.3	
5	12	11	82	82	117	768	98	168	11	15	48	8.9	
6	9.6	10	97	77	93	1560	76	99	9.9	14	35	8.1	
7	8.2	11	79	74	82	439	67	74	10	12	27	7.0	
8	10	10	55	68	79	232	64	66	9.8	12	22	6.4	
9	11	9.9	50	66	78	173	269	75	9.0	12	19	6.1	
10	12	9.7	47	197	81	134	130	55	8.0	11	18	5.9	
11	13	9.6	371	211	79	120	86	49	7.1	11	18	6.0	
12	14	9.5	403	107	82	112	74	45	6.3	27	67	6.2	
13	20	13	147	88	406	108	66	41	5.9	34	125	5.9	
14	19	18	92	81	207	98	60	40	6.0	18	51	5.5	
15	15	29	73	82	123	87	54	44	5.6	31	26	5.5	
16	13	37	64	96	99	80	51	38	3.6	40	20	4.9	
17	13	38	59	95	89	72	50	35	3.5	57	17	3.8	
18	13	40	66	225	81	72	47	32	3.2	33	15	3.6	
19	12	43	94	474	77	74	46	31	2.6	32	14	3.7	
20	12	103	71	188	77	411	48	30	3.0	23	13	3.2	
21	12	94	61	129	73	428	44	34	2.5	17	13	3.1	
22	12	61	92	106	70	159	126	50	5.0	15	12	2.8	
23	13	52	117	100	75	112	179	42	7.5	21	11	2.7	
24	14	129	79	452	69	98	64	33	9.1	17	14	2.6	
25	13	131	67	508	68	356	48	28	7.0	15	11	2.4	
26	12	84	75	285	62	182	40	26	6.0	15	9.9	2.1	
27	11	75	69	277	559	125	44	24	2.7	17	9.6	1.7	
28	11	256	389	204	242	125	205	22	3.3	27	9.1	2.5	
29	10	105	739	154	125	95	323	21	6.3	111	8.4	2.7	
30	10	66	227	131	---	75	97	19	12	90	8.2	2.6	
31	9.9	---	129	114	---	68	---	16	---	463	8.5	---	
TOTAL	365.6	1496.2	4166	5050	3635	6700	3012	2544	215.9	1552	2514.7	149.2	
MEAN	11.8	49.9	134	163	125	216	100	82.1	7.20	50.1	81.1	4.97	
MAX	20	256	739	508	559	1560	323	863	14	463	1040	9.3	
MIN	6.9	9.5	47	66	62	68	40	16	2.5	11	8.2	1.7	
CFSM	.11	.45	1.20	1.46	1.12	1.93	.89	.73	.06	.45	.72	.04	
IN.	.12	.50	1.38	1.68	1.21	2.23	1.00	.84	.07	.52	.84	.05	
CAL YR 1983	TOTAL	46345.0		MEAN	127	MAX	3060	MIN	2.4	CFSM	1.13	IN.	15.39
WTR YR 1984	TOTAL	31400.6		MEAN	85.8	MAX	1560	MIN	1.7	CFSM	.77	IN.	10.43

APALACHICOLA RIVER BASIN

29

02343300 ABBIE CREEK NEAR HALEBURG, AL

LOCATION.--Lat 31°28'24", long 85°09'45", in E½ sec. 19, T. 6 N., R. 29 E., Henry County, Hydrologic Unit 03130004, on right bank on downstream side of bridge on State Highway 95, 1.2 mi upstream from Peterman Creek, 4.5 mi northwest of Haleburg, 7.8 mi upstream from mouth, and 9 mi southeast of Abbeville.

DRAINAGE AREA.--146 mi² (revised).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--June 1958 to September 1971, October 1974 to current year.

REVISED RECORDS.--WSP 2106: 1969(M).

GAGE.--Water-stage recorder. Datum of gage is 145.74 ft National Geodetic Vertical Datum of 1929.

REMARKS.--Water-discharge records good.

AVERAGE DISCHARGE.--23 years (water years 1959-71, 1975-84), 215 ft³/s, 20.00 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 7,590 ft³/s Mar. 31, 1970, gage height, 23.84 ft; minimum, 8.8 ft³/s July 18, 19, 1981.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 1,250 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec. 12	0400	1,470	7.33	Feb. 27	2100	1,710	8.01
Jan. 24	1800	1,310	6.89	Mar. 6	0700	1,510	7.43
				May 4	1100	*3,350	*13.13

Minimum discharge, 41 ft³/s Sept. 27, 28.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	78	76	282	292	295	408	217	216	172	137	297	65
2	74	74	236	271	283	351	209	211	156	135	516	61
3	73	72	224	257	277	328	507	1260	145	184	609	67
4	72	76	398	244	296	314	545	2930	135	122	300	76
5	73	110	319	238	277	512	389	1080	124	103	252	107
6	68	104	954	227	249	1340	286	564	116	76	184	105
7	63	93	623	215	234	1190	249	410	112	65	132	80
8	61	109	375	205	230	724	238	353	103	101	109	65
9	65	99	293	202	227	439	825	328	95	70	96	60
10	73	94	256	238	229	335	595	292	90	64	89	57
11	80	87	696	271	230	302	446	271	85	61	85	54
12	100	81	1150	248	242	285	331	254	82	86	113	53
13	513	79	934	219	652	337	295	241	91	217	128	53
14	346	81	535	206	504	294	295	242	87	113	138	60
15	188	94	363	226	368	258	408	367	90	81	120	64
16	154	115	303	300	297	241	264	265	119	61	94	58
17	134	95	271	271	270	232	248	226	90	63	80	49
18	128	89	318	299	248	227	236	210	76	160	77	49
19	116	86	364	571	236	221	245	197	90	232	80	51
20	107	500	304	462	234	406	266	182	81	231	76	49
21	103	473	262	352	231	448	230	190	112	160	80	47
22	99	262	256	274	270	313	363	275	334	109	71	46
23	97	188	252	264	275	250	1020	386	170	105	70	45
24	97	545	228	1050	240	231	867	317	120	113	178	44
25	95	622	197	977	224	346	400	236	100	145	148	43
26	91	392	182	863	210	452	294	240	76	89	94	43
27	84	260	203	787	1160	468	276	256	64	69	250	42
28	79	828	639	516	993	400	264	215	67	89	104	42
29	77	573	741	396	640	286	248	651	337	148	85	44
30	77	451	496	342	---	246	226	271	160	217	81	43
31	76	---	343	315	---	229	---	204	---	495	72	---
TOTAL	3541	6808	12997	11598	10121	12413	11282	13340	3679	4101	4808	1722
MEAN	114	227	419	374	349	400	376	430	123	132	155	57.4
MAX	513	828	1150	1050	1160	1340	1020	2930	337	495	609	107
MIN	61	72	182	202	210	221	209	182	64	61	70	42
CFSM	.78	1.55	2.87	2.56	2.39	2.74	2.58	2.95	.84	.90	1.06	.39
IN.	.90	1.73	3.31	2.96	2.58	3.16	2.87	3.40	.94	1.04	1.23	.44
CAL YR 1983	TOTAL	99273	MEAN	272	MAX	1970	MIN	29	CFSM	1.86	IN.	25.29
WTR YR 1984	TOTAL	96410	MEAN	263	MAX	2930	MIN	42	CFSM	1.80	IN.	24.56

APALACHICOLA RIVER BASIN

02343300 ABBIE CREEK NEAR HALEBURG, AL--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 1983 to September 1984.

COOPERATION.--Water-quality samples were collected by the U.S. Geological Survey and analyzed by the Geological Survey of Alabama.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	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)
OCT 03...	1530	75	50	--	20.5	--	--	--	--	--
NOV 10...	0830	92	42	--	16.5	--	--	--	--	--
DEC 12...	1000	1200	41	7.7	13.5	10.1	8	4	2.2	0.70
FEB 02...	0905	284	53	--	12.0	--	--	--	--	--
28...	0945	1060	27	7.1	8.5	10.4	8	4	2.3	.60
MAR 08...	0750	756	42	--	12.0	--	--	--	--	--
APR 27...	0755	268	28	--	19.5	--	--	--	--	--
JUN 07...	1120	115	41	--	21.0	--	--	--	--	--
JUL 13...	0915	385	10	6.8	23.5	8.3	12	0	3.2	1.0
19...	0830	217	54	--	28.0	--	--	--	--	--

DATE	SODIUM, DIS- SOLVED (MG/L AS Na)	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LINITY FIELD (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)
DEC 12...	1.6	26	0.2	1.3	4	0.2	3.6	1.6	<.10	5.9
FEB 28...	1.4	25	.2	.90	4	.6	5.8	1.8	<.10	2.5
JUL 13...	2.1	26	.3	.90	12	3.5	1.0	2.9	<.10	5.4

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, NITRITE DIS- SOLVED (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	ARSENIC DIS- SOLVED (UG/L AS AS)
DEC 12...	20	0.03	64	--	<.01	0.190	--	--	<1
FEB 28...	18	.02	51	0.260	<.01	--	0.260	0.020	2
JUL 13...	24	.03	25	.500	<.01	--	.510	--	1

DATE	CADMIUM DIS- SOLVED (UG/L AS Cd)	CHRO- MIUM, DIS- SOLVED (UG/L AS Cr)	COBALT, DIS- SOLVED (UG/L AS Co)	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)	STRON- TIUM, DIS- SOLVED (UG/L AS Sr)	ZINC, DIS- SOLVED (UG/L AS Zn)
DEC 12...	1	<1	<1	310	2	40	0.1	50	20
FEB 28...	2	<1	1	200	<1	20	<.1	40	20
JUL 13...	2	<1	<1	280	1	10	<.1	50	<10

APALACHICOLA RIVER BASIN

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02343801 CHATTAHOOCHEE RIVER NEAR COLUMBIA, AL
(National stream-quality accounting network station)

LOCATION.--Lat 31°15'33", long 85°06'37", Early County, Ga.--Houston County, Ala., Hydrologic Unit 03130004, at left end of George W. Andrews Lock and Dam, 1.3 mi downstream from Omusee Creek, 2.3 mi south of Columbia, Ala., and at mile 46.5.

DRAINAGE AREA.--8,210 mi², approximately.

WATER-DISCHARGE RECORDS

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

GAGE.--Gate-opening and water-stage recorders. Datum of headwater gage and tailwater gages is National Geodetic Vertical Datum of 1929.

REMARKS.--Records fair except those for periods of missing or doubtful headwater, tailwater, or gate record, June 28 to July 30, which are fair. Flow regulated by Lake Sidney Lanier, West Point Lake, Lake Harding, Walter F. George Lake, and George W. Andrews Reservoir. (No adjustments made for George W. Andrews Reservoir's annual change in contents, which is insignificant.)

AVERAGE DISCHARGE.--9 years, 12,040 ft³/s, 19.92 in/yr, unadjusted.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 131,000 ft³/s, Jan. 27, 1978, maximum headwater gage height, 118.12 ft Jan. 27, 1978, maximum tailwater gage height, 116.66 ft Jan. 27, 1978; minimum daily discharge, 519 ft³/s June 13, 1982.

EXTREMES FOR PERIOD OF RECORD.--Flood of March 1929, thought to be the highest since 1827, based on station on Chattahoochee River at Columbia, Ala., 2.4 mi upstream.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 51,900 ft³/s Dec. 12, maximum headwater gage height, 103.39 ft Apr. 28, maximum tailwater gage height, 98.14 ft Dec. 13; minimum daily discharge, 759 ft³/s Sept. 23.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1280	9050	20900	18300	15000	29100	6640	15700	15600	949	20100	8760
2	1030	8830	20100	17800	14400	29000	21200	15700	1900	6790	34500	1740
3	7890	8840	16200	19400	14600	9740	24800	23000	1190	7200	38700	9200
4	8330	8880	14500	18900	12700	8320	24300	35200	11800	6960	28400	8270
5	8450	2140	28800	18800	6680	20300	19200	22600	13100	7220	28100	13400
6	8290	1070	34700	19300	14100	33100	19300	21200	10700	7060	20600	15300
7	5490	7840	36200	3460	14100	31100	9670	28300	9690	1100	18800	14700
8	1100	10100	34500	1480	14200	30100	9680	22100	9940	879	19400	9110
9	998	9870	32800	15100	14300	29100	17500	28400	1470	5820	17300	8570
10	7460	9790	29000	16900	14300	19800	12700	28100	1400	6960	15500	8870
11	8640	9660	31300	16900	10300	12400	15300	20600	5850	7100	1400	8930
12	11000	2220	41000	16800	9620	22200	13500	10200	9140	7520	1240	12000
13	10300	899	39600	16400	21200	23100	13800	10400	12200	7440	9830	11800
14	9610	7400	32500	14400	16200	23200	14200	15600	11500	1730	10800	9520
15	1520	8820	21800	6820	17300	23500	14700	16100	11200	893	11000	1370
16	1190	8140	28400	20100	21000	23200	14400	16100	1640	5930	12800	1160
17	9190	7930	17500	22900	21000	3340	14400	11600	1210	7910	12300	11300
18	9640	7920	17500	23400	21200	1690	14300	10900	9280	8920	6460	11500
19	9780	2030	18700	24300	16800	17600	14200	1980	8060	14600	13800	11100
20	9980	2240	18400	23200	16800	21400	14400	1190	8200	13200	12200	11200
21	9480	6450	18300	14800	17600	29900	12000	7730	7740	8870	14900	10900
22	1350	6450	18200	9940	21700	19100	6910	9480	7740	2190	10700	2110
23	1040	6280	18400	19400	22000	18800	13500	7480	1850	10400	18400	759
24	8950	7860	11700	31500	21900	15700	17200	13700	1240	14100	17900	4380
25	9870	7940	13400	32000	3800	11700	16300	12600	6480	14600	1680	6100
26	9590	1700	13200	30800	1460	21100	15900	1850	7440	10900	1090	5010
27	10300	1230	14200	31100	21100	28900	16500	4560	7470	12100	8250	4970
28	9560	12600	19700	31000	23100	28300	13500	15500	7190	1990	6830	4990
29	5040	15700	31600	22000	29900	28500	5150	17500	8290	1330	12100	1310
30	1430	21200	29700	16600	---	28300	15200	16500	1290	13800	12400	882
31	7620	---	28900	12900	---	18500	---	15600	---	17000	13500	---
TOTAL	205398	221079	751700	586700	468360	660090	440350	477470	211800	233461	450980	229211
MEAN	6626	7369	24250	18930	16150	21290	14680	15400	7060	7531	14550	7640
MAX	11000	21200	41000	32000	29900	33100	24800	35200	15600	17000	38700	15300
MIN	998	899	11700	1480	1460	1690	5150	1190	1190	879	1090	759

CAL YR 1983 TOTAL 5026073 MEAN 13770 MAX 56100 MIN 643 MEAN+ 13890 CFSM+ 1.69 IN+ 22.97
WTR YR 1984 TOTAL 4936599 MEAN 13490 MAX 41000 MIN 759 MEAN+ 13420 CFSM+ 1.63 IN+ 22.25

†ADJUSTED FOR CHANGE IN CONTENTS IN LAKE SIDNEY LANIER, WEST POINT LAKE, LAKE HARDING, AND WALTER F. GEORGE LAKE

APALACHICOLA RIVER BASIN

02343801 CHATTAHOOCHEE RIVER NEAR COLUMBIA, AL--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 1982 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)	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)
OCT 04...	1100	10000	68	7.7	24.0	8.1	97	2.3	130	44	20
JAN 17...	1230	22900	53	7.2	7.5	11.2	94	17	210	K4100	16
MAR 27...	1300	29600	53	7.1	15.0	9.1	92	14	63	190	15
MAY 16...	1200	20900	58	7.4	23.0	7.6	89	8.4	28	190	16
JUL 17...	1100	3500	63	7.3	28.0	5.3	69	2.6	12	25	18
AUG 21...	1230	20700	62	7.3	28.0	4.4	--	.80	11	240	18

DATE	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)	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LINITY LAB (MG/L AS CACO3)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)
OCT 04...	0	5.7	1.4	5.9	37	0.6	1.7	22	0.8	8.1	4.2
JAN 17...	3	4.6	1.0	3.6	31	.4	1.6	13	1.6	7.4	3.7
MAR 27...	2	4.5	1.0	3.8	31	.4	2.2	13	2.0	6.9	6.2
MAY 16...	1	4.7	1.1	4.2	34	.5	1.4	15	1.2	6.4	3.6
JUL 17...	0	5.4	1.2	3.9	29	.4	1.5	18	1.7	9.6	3.9
AUG 21...	0	5.0	1.3	4.7	34	.5	1.8	18	1.7	8.1	3.8

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)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER DAY)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	PHOS- PHORUS, ORTHO, DIS- SOLVED (MG/L AS P)
OCT 04..	0.10	7.0	54	47	1460	0.07	0.15	0.010	--	<.010	<.010	<.010
JAN 17..	<.10	8.0	40	38	2470	.05	.41	.170	1.1	.050	.020	.030
MAR 27..	<.10	7.3	54	40	4320	.07	.32	.140	.30	.030	.030	.020
MAY 16..	.10	2.7	41	34	2310	.06	.23	.240	3.0	.030	.040	<.010
JUL 17..	<.10	3.4	44	40	416	.06	.21	.040	.30	.010	.020	<.010
AUG 21..	.20	4.8	36	41	2010	.05	.14	.080	.40	.040	.060	<.010

APALACHICOLA RIVER BASIN

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02343801 CHATTAHOOCHEE RIVER NEAR COLUMBIA, AL--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	ALUM- INUM, DIS- SOLVED (UG/L AS AL)	ARSENIC DIS- SOLVED (UG/L AS AS)	BARIUM, DIS- SOLVED (UG/L AS BA)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	COBALT, DIS- SOLVED (UG/L AS CO)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, DIS- SOLVED (UG/L AS PB)
OCT 04...	<10	1	23	<.5	<1	<1	<3	1	35	2
JAN 17...	70	1	27	<.5	<1	<1	<3	2	240	2
MAY 16...	30	<1	19	<.5	<1	<1	<3	2	110	3
AUG 21...	<10	1	22	<.5	1	<1	<3	2	42	1

DATE	LITHIUM DIS- SOLVED (UG/L AS LI)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MERCURY DIS- SOLVED (UG/L AS HG)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO)	NICKEL, DIS- SOLVED (UG/L AS NI)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	SILVER, DIS- SOLVED (UG/L AS AG)	STRON- TIUM, DIS- SOLVED (UG/L AS SR)	VANA- DIUM, DIS- SOLVED (UG/L AS V)	ZINC, DIS- SOLVED (UG/L AS ZN)
OCT 04...	<4	2	0.5	<10	1	<1	<1	31	<6	4
JAN 17...	6	15	<.1	<10	1	<1	<1	24	<6	8
MAY 16...	6	3	<.1	<10	3	<1	<1	26	<6	26
AUG 21...	6	8	.2	<10	1	<1	<1	28	<6	18

DATE	SEDI- MENT, DIS- CHARGE, SUS- PENDE (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT 04...	9	243	50
JAN 17...	16	989	66
MAR 27...	23	1840	54
MAY 16...	15	846	90
JUL 17...	3	28	61
AUG 21...	20	1120	48

CHOCTAWHATCHEE RIVER BASIN

02361000 CHOCTAWHATCHEE RIVER NEAR NEWTON, AL

LOCATION.--Lat 31°20'30", long 85°36'43", in SE¼ sec. 2, T. 4 N., R. 24 E., Dale County, Hydrologic Unit 03140201, on left bank at downstream side of bridge on State Highway 123, 200 ft downstream from abandoned mill dam, 1,500 ft upstream from Hurricane Creek, 0.8 mi north of Newton, 1 mi downstream from Atlantic Coast Line Railroad bridge, and at mile 133.0.

DRAINAGE AREA.--686 mi² (revised).

PERIOD OF RECORD.--June 1906 to August 1908, October 1911 to August 1912 (gage heights only), November 1921 to September 1927, May 1935 to current year. Monthly discharge only for period January to April 1925, published in WSP 1304. Gage-height records collected near same site from 1931 to December 1971 are contained in reports of the National Weather Service.

GAGE.--Water-stage recorder. Datum of gage is 138.56 ft National Geodetic Vertical Datum of 1929. See WSP 1304 or 1724 for history of changes prior to Sept. 9, 1938.

REMARKS.--Records good. Prior to January 1941 moderate diurnal fluctuation at low flow caused by gristmills above station. Records of specific conductance and water temperature for the water year 1984 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--54 years (water years 1923-27, 1936-84), 983 ft³/s, 19.46 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 25,800 ft³/s Jan. 20, 1936; maximum gage height, 31.26 ft Jan. 27, 1978; minimum daily, 61 ft³/s Sept. 8, 1954.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since 1900, 42 ft present site and datum, Mar. 15, 1929, from information by State Highway Department (discharge not determined).

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

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Mar. 6	1600	5,780	15.93	May 4	0900	*6,490	*17.23

Minimum, 111 ft³/s Sept. 28, 30.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1	227	202	1140	1570	1250	1880	1160	868	874	432	1090	231	
2	218	200	975	1280	1170	1510	1080	836	707	399	1870	214	
3	212	199	782	1080	1130	1230	1580	2540	594	554	2430	227	
4	209	203	880	975	1170	1090	2320	6320	521	680	2030	229	
5	206	225	883	921	1160	1350	1930	5450	468	470	1500	302	
6	195	247	1400	882	1090	5200	1650	3060	430	431	1030	269	
7	188	265	1490	851	1030	5460	1400	1700	402	388	731	243	
8	179	291	1200	815	971	4560	1190	1170	381	498	580	213	
9	179	279	1050	787	920	3180	2180	955	362	434	510	191	
10	186	268	939	896	899	2140	2340	830	347	401	477	175	
11	194	257	1690	1200	890	1710	2070	747	333	325	456	165	
12	210	244	2830	1140	890	1510	1810	679	321	416	447	161	
13	340	234	2380	1070	1440	1510	1480	623	325	369	483	155	
14	482	233	2160	1010	1870	1430	1260	584	329	750	660	157	
15	402	256	1830	929	1600	1330	1260	613	317	807	735	152	
16	368	307	1310	1070	1410	1230	1110	616	302	551	583	144	
17	315	333	1050	1090	1290	1160	1010	585	295	538	467	137	
18	280	326	1020	1070	1130	1110	944	544	292	535	392	136	
19	259	303	1130	2060	1010	1070	920	496	287	747	345	137	
20	240	802	1080	1770	934	1540	952	456	279	1130	317	135	
21	236	1050	991	1530	898	2810	892	457	329	904	325	130	
22	229	901	942	1370	923	2400	913	878	399	631	304	127	
23	229	795	913	1170	967	1890	2280	1080	430	519	294	127	
24	305	1160	856	2870	921	1490	2690	1040	412	506	674	124	
25	286	1280	790	3480	892	1860	2030	1010	389	431	636	120	
26	298	1050	733	3170	843	3430	1470	974	354	433	461	118	
27	259	912	713	3140	3140	2810	1280	1160	311	396	353	115	
28	233	1540	1480	2490	2810	2550	1110	1340	276	369	349	112	
29	217	1500	2180	1900	2170	1770	1000	1180	500	437	314	112	
30	208	1240	2160	1590	---	1400	908	1430	578	586	276	112	
31	203	---	1850	1390	---	1240	---	1190	---	665	249	---	
TOTAL	7792	17102	40827	46566	36818	64850	44219	41411	12144	16732	21368	4970	
MEAN	251	570	1317	1502	1270	2092	1474	1336	405	540	689	166	
MAX	482	1540	2830	3480	3140	5460	2690	6320	874	1130	2430	302	
MIN	179	199	713	787	843	1070	892	456	276	325	249	112	
CFSM	.37	.83	1.92	2.19	1.85	3.05	2.15	1.95	.59	.79	1.00	.24	
IN.	.42	.93	2.21	2.53	2.00	3.52	2.40	2.25	.66	.91	1.16	.27	
CAL YR 1983	TOTAL	414489		MEAN	1136	MAX	5210	MIN	152	CFSM	1.66	IN.	22.48
WTR YR 1984	TOTAL	354799		MEAN	969	MAX	6320	MIN	112	CFSM	1.41	IN.	19.24

CHOCTAWHATCHEE RIVER BASIN

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02361000 CHOCTAWHATCHEE RIVER NEAR NEWTON, AL--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.82	2.59	5.56	6.65	5.84	7.36	5.59	4.77	5.20	3.50	5.44	2.77
2	2.78	2.57	5.09	5.93	5.63	6.50	5.39	4.67	4.69	3.38	7.35	2.70
3	2.76	2.57	4.50	5.39	5.53	5.79	6.61	8.58	4.32	3.91	8.63	2.75
4	2.74	2.58	4.81	5.09	5.62	5.42	8.37	16.94	4.06	4.32	7.73	2.76
5	2.72	2.67	4.82	4.93	5.60	6.03	7.48	15.25	3.87	3.60	6.50	3.03
6	2.67	2.75	6.20	4.81	5.42	14.75	6.84	10.37	3.74	3.45	5.30	2.90
7	2.63	2.82	6.44	4.72	5.25	15.30	6.23	7.37	3.63	3.29	4.41	2.81
8	2.59	2.91	5.72	4.60	5.08	13.44	5.70	6.06	3.55	3.67	3.92	2.68
9	2.58	2.86	5.29	4.52	4.93	10.31	8.04	5.45	3.47	3.43	3.68	2.58
10	2.61	2.82	4.99	4.84	4.86	7.95	8.41	5.07	3.41	3.30	3.57	2.51
11	2.64	2.78	6.81	5.71	4.84	6.98	7.80	4.81	3.35	3.02	3.50	2.45
12	2.71	2.73	9.53	5.56	4.84	6.49	7.20	4.60	3.30	3.34	3.47	2.42
13	3.20	2.69	8.50	5.35	6.31	6.51	6.43	4.42	3.30	3.16	3.60	2.39
14	3.70	2.69	8.01	5.18	7.33	6.29	5.87	4.28	3.30	4.44	4.21	2.40
15	3.41	2.78	7.23	4.96	6.72	6.04	5.87	4.38	3.25	4.62	4.45	2.36
16	3.29	2.96	5.99	5.37	6.26	5.80	5.45	4.40	3.19	3.78	3.96	2.31
17	3.09	3.06	5.31	5.40	5.95	5.62	5.18	4.29	3.16	3.72	3.57	2.27
18	2.96	3.03	5.22	5.34	5.53	5.48	5.00	4.14	3.13	3.69	3.30	2.26
19	2.88	2.95	5.52	7.76	5.18	5.35	4.93	3.97	3.10	4.39	3.15	2.26
20	2.80	4.55	5.37	7.12	4.97	6.50	5.03	3.83	3.06	5.53	3.05	2.24
21	2.78	5.29	5.14	6.54	4.86	9.48	4.84	3.83	3.23	4.88	3.09	2.21
22	2.75	4.87	5.00	6.15	4.94	8.55	4.90	5.21	3.47	4.03	3.02	2.19
23	2.74	4.54	4.91	5.63	5.07	7.38	8.26	5.81	3.57	3.65	2.99	2.18
24	3.03	5.58	4.73	9.58	4.93	6.44	9.21	5.69	3.50	3.61	4.27	2.17
25	2.95	5.92	4.53	11.00	4.84	7.29	7.70	5.62	3.41	3.35	4.18	2.13
26	2.99	5.30	4.35	10.30	4.69	10.89	6.40	5.51	3.27	3.36	3.58	2.11
27	2.84	4.90	4.28	10.24	10.17	9.49	5.92	6.01	3.11	3.23	3.20	2.09
28	2.74	6.53	6.32	8.75	9.47	8.88	5.46	6.48	2.97	3.14	3.20	2.07
29	2.67	6.47	8.04	7.41	8.01	7.11	5.17	6.09	3.72	3.38	3.08	2.07
30	2.62	5.81	8.01	6.68	---	6.22	4.89	6.73	4.03	3.91	2.95	2.06
31	2.60	---	7.29	6.20	---	5.83	---	6.11	---	4.18	2.85	---
MEAN	2.85	3.75	5.92	6.38	5.82	7.79	6.34	6.15	3.55	3.75	4.17	2.40
MAX	3.70	6.53	9.53	11.00	10.17	15.30	9.21	16.94	5.20	5.53	8.63	3.03
MIN	2.58	2.57	4.28	4.52	4.69	5.35	4.84	3.83	2.97	3.02	2.85	2.06
CAL YR 1983	MEAN	5.23	MAX	14.78	MIN	2.46						
WTR YR 1984	MEAN	4.91	MAX	16.94	MIN	2.06						

CHOCTAWHATCHEE RIVER BASIN

CHOCTAWHATCHEE RIVER MAIN STEM

02362000 (NWS 01-3255-07) CHOCTAWHATCHEE RIVER NEAR GENEVA, AL

LOCATION.--Lat 31°02', long 85°52', in SW¼ sec. 21, T. 1 N., R. 22 E., Geneva County, Hydrologic Unit 03140201, on downstream side of State Highway 52 bridge, 1 mi northeast of Geneva, and 1.4 mi upstream from Pea River.

DRAINAGE AREA.--1,346 mi² (revised).

PERIOD OF RECORD.--November 1928 to current year (gage heights only). October 1971 to current year in reports of Geological Survey. November 1928 to December 1971 collected by National Weather Service. See WSP 1304 for discharge records for June 1922 to November 1926 and gage heights and discharge measurements only from August to December 1904. January 1929 to December 1971, published in "Daily River Stages."

GAGE.--Nonrecording gage. Datum of gage is 62.80 ft National Geodetic Vertical Datum of 1929. Prior to Apr. 11, 1967, nonrecording gage located on highway bridge 30 ft upstream from present site at same datum.

COOPERATION.--Records furnished by National Weather Service.

EXTREMES (AT 0700) FOR PERIOD OF RECORD.--Maximum gage height, 46.9 ft Mar. 16, 1929; minimum gage height, 0.9 ft Sept. 24, 1941.

EXTREMES (AT 0700) FOR CURRENT YEAR.--Maximum gage height, 21.15 ft Mar. 8; minimum gage height, 2.32 ft Sept. 30.

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
INSTANTANEOUS OBSERVATIONS AT 0700

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	3.00	7.50	---	9.20	15.09	7.43	6.20	6.01	3.40	5.00	3.44
2	3.20	2.50	6.60	9.56	---	11.27	6.87	6.00	5.06	3.40	8.00	3.40
3	3.02	2.92	6.50	---	7.29	9.20	6.58	5.48	4.60	3.50	11.21	2.93
4	3.00	2.84	5.62	8.50	---	8.82	9.63	5.89	4.40	4.20	---	3.10
5	3.01	2.73	5.88	7.04	7.80	7.20	11.92	11.71	4.10	4.15	11.00	3.67
6	---	2.70	7.00	7.00	---	12.81	11.91	15.40	4.08	4.01	10.43	3.40
7	2.70	2.64	8.80	6.01	6.87	17.45	10.41	13.90	4.01	4.10	7.77	3.31
8	---	2.60	8.43	5.74	---	21.15	8.65	10.10	4.00	3.72	6.81	3.28
9	2.59	2.80	7.88	5.09	6.41	20.66	8.72	7.47	3.40	3.61	5.29	3.05
10	2.50	3.30	7.00	5.98	---	18.74	10.80	6.66	---	3.47	4.51	2.93
11	2.50	---	6.69	---	6.00	15.40	11.01	5.48	3.10	3.57	4.04	2.85
12	3.20	3.14	11.65	7.81	---	12.70	9.91	5.21	3.30	4.60	4.14	3.15
13	---	---	13.21	---	7.44	10.60	8.92	5.40	3.50	4.10	4.89	3.11
14	4.02	3.00	14.60	6.49	11.20	9.76	---	5.10	4.04	4.20	4.28	3.09
15	4.00	2.96	13.96	6.21	11.80	8.69	7.62	5.00	3.71	4.00	4.82	3.06
16	3.78	2.90	9.98	6.50	11.00	---	7.33	5.80	3.62	3.87	5.02	2.89
17	3.69	3.30	8.60	---	9.01	7.76	7.20	5.25	3.50	3.93	4.58	2.70
18	3.48	3.30	6.87	6.90	7.65	7.57	6.60	5.19	3.40	4.21	4.12	2.61
19	---	3.30	6.90	8.21	6.15	7.33	6.00	4.87	3.35	5.11	3.74	2.59
20	3.38	4.00	6.38	9.71	6.07	6.43	---	4.46	3.09	7.28	3.66	2.56
21	3.30	7.00	8.30	---	6.00	10.43	---	4.00	3.18	6.33	3.59	2.51
22	---	---	5.68	9.00	6.60	12.55	6.20	4.10	3.11	5.28	3.51	2.49
23	3.28	6.40	---	---	6.28	12.21	6.00	6.32	3.13	5.25	3.32	---
24	---	6.00	6.04	7.98	6.05	11.79	9.80	7.61	3.85	4.20	4.00	2.47
25	3.28	---	---	11.00	5.98	9.31	10.88	6.01	3.74	4.18	5.67	2.45
26	---	8.22	---	14.20	---	9.25	---	---	3.33	4.00	4.96	2.41
27	3.18	---	---	15.80	7.03	11.43	---	7.00	3.20	3.70	4.47	2.39
28	---	7.34	6.60	15.20	14.00	13.80	---	7.20	3.18	3.40	3.90	2.36
29	3.11	8.71	9.50	---	17.20	12.49	6.80	7.60	2.98	3.46	3.74	2.34
30	---	9.90	---	11.40	---	10.80	6.30	8.20	2.90	4.98	3.58	2.32
31	3.00	---	12.00	8.80	---	8.82	---	7.15	---	4.91	3.51	---
MEAN	---	---	---	---	---	---	---	---	---	4.26	---	---
MAX	---	---	---	---	---	---	---	---	---	7.28	---	---
MIN	---	---	---	---	---	---	---	---	---	3.40	---	---

CHOCTAWHATCHEE RIVER BASIN

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02364000 (NWS 01-2577-07) PEA RIVER AT ELBA, AL

LOCATION.--Lat 31°24'55", long 86°03'45", in SE¼ sec. 8, T. 5 N., R. 20 E., Coffee County, Hydrologic Unit 03140202, on downstream side of bridge on U.S. Highway 84 in Elba, 0.2 mi downstream from Whitewater Creek, and 4.5 mi upstream from Elba Dam.

DRAINAGE AREA.--959 mi² (revised).

PERIOD OF RECORD.--February 1930 to current year (gage heights only). October 1971 to current year in reports of Geological Survey. February 1930 to December 1971 collected by National Weather Service. See WSP 1304 for record of discharge from May 1935 to September 1947 and gage heights for June to December 1906. February 1930 to December 1971, published in "Daily River Stages."

GAGE.--Nonrecording gage. Datum of gage is 159.24 ft National Geodetic Vertical Datum of 1929. Prior to June 19, 1934, at datum 0.1 ft lower.

REMARKS.--Stage affected by operation of hydroelectric plant at Elba Dam.

COOPERATION.--Records furnished by National Weather Service.

EXTREMES (AT 0700) FOR PERIOD OF RECORD.--Maximum gage height, 37.0 ft Feb. 20, 1975; minimum gage height, 0.5 ft May 14, 15, 1932.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of March 1929 reached a stage of 43.5 ft from reports of National Weather Service.

EXTREMES (AT 0700) FOR CURRENT YEAR.--Maximum gage height, 17.05 ft Mar. 25; minimum gage height, 2.60 ft Sept. 30.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
INSTANTANEOUS OBSERVATIONS AT 0700

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.30	7.20	9.45	10.45	9.15	10.05	9.30	8.60	7.55	6.75	8.20	6.65
2	7.30	7.20	8.70	10.70	8.90	9.95	8.75	8.25	7.40	6.30	9.20	6.24
3	7.25	7.20	8.70	9.05	8.75	9.95	9.35	8.25	7.25	5.75	11.00	5.55
4	7.24	7.20	9.05	9.30	8.10	9.30	10.65	13.60	7.10	4.90	10.24	5.10
5	7.20	7.25	8.95	8.85	8.90	8.80	10.45	11.05	7.00	4.55	10.30	4.95
6	7.17	7.30	8.90	8.60	8.85	16.50	10.05	9.15	6.94	4.50	9.54	4.94
7	7.15	7.45	9.20	8.45	8.80	16.35	9.50	8.70	6.85	4.10	8.75	4.80
8	7.15	7.40	8.90	8.40	8.65	14.40	---	9.15	6.75	4.70	8.15	5.10
9	7.15	7.40	8.65	8.30	8.55	13.60	10.00	9.00	6.70	6.40	7.75	4.80
10	7.15	7.35	8.40	8.40	8.50	13.35	9.50	8.35	6.50	6.45	7.40	4.15
11	7.20	7.35	8.65	9.55	8.45	11.05	9.15	7.35	6.25	6.00	7.20	3.75
12	7.20	7.30	11.50	9.30	8.40	10.00	9.00	7.80	5.95	5.60	7.65	3.60
13	7.45	7.30	10.60	9.15	13.10	9.50	8.85	7.55	5.80	6.65	8.00	3.55
14	7.55	7.30	10.20	8.95	10.55	9.20	8.70	7.50	5.60	7.40	8.15	3.45
15	7.55	7.30	9.65	8.85	9.80	9.00	8.60	7.45	5.40	7.00	8.35	3.40
16	7.60	7.50	8.60	9.35	9.35	8.90	8.35	7.40	5.50	6.80	8.00	3.30
17	7.55	7.55	9.20	9.05	9.30	8.75	8.20	7.30	5.80	6.85	7.65	3.30
18	7.45	7.60	8.65	8.10	9.20	8.65	8.15	7.20	6.35	6.95	7.30	3.25
19	7.40	7.55	8.60	10.75	8.90	8.55	8.10	7.10	6.15	8.75	7.00	3.60
20	7.40	7.95	8.55	10.00	8.65	8.80	8.10	7.05	6.00	8.25	6.85	3.45
21	7.35	8.70	8.50	9.65	8.55	10.35	8.85	7.00	5.70	7.90	6.90	3.30
22	7.35	8.95	8.40	9.40	8.45	10.50	8.00	9.50	5.40	7.60	6.90	3.15
23	7.45	8.75	8.35	9.40	8.50	10.15	14.75	8.50	5.20	7.25	6.90	3.05
24	7.40	8.75	8.30	10.75	8.50	10.50	9.55	8.20	5.25	7.45	7.75	3.00
25	7.35	9.20	8.25	11.95	8.40	17.05	8.85	7.95	5.25	6.94	7.70	2.95
26	7.35	9.15	8.20	11.55	8.30	14.60	8.65	8.00	5.25	6.90	7.05	2.90
27	7.30	9.05	8.30	11.15	10.10	11.50	8.50	8.25	5.10	6.60	6.90	2.85
28	7.30	9.45	8.55	10.60	10.95	10.60	8.30	7.85	4.05	6.25	7.10	2.80
29	7.25	9.75	11.60	10.30	10.80	9.60	8.20	9.15	3.75	6.10	7.10	2.75
30	7.25	8.90	11.25	9.90	---	9.60	8.45	8.25	6.25	6.65	7.00	2.60
31	7.20	---	10.65	9.50	---	9.35	---	7.85	---	7.65	6.95	---
MEAN	7.32	7.94	9.14	9.60	9.15	10.92	---	8.33	6.00	6.51	7.90	3.88
MAX	7.60	9.75	11.60	11.95	13.10	17.05	---	13.60	7.55	8.75	11.00	6.65
MIN	7.15	7.20	8.20	8.10	8.10	8.55	---	7.00	3.75	4.10	6.85	2.60
CAL YR 1983	MEAN	8.48		MAX	21.35	MIN	2.80					

CHOCTAWHATCHEE RIVER BASIN

02364570 PANTHER CREEK NEAR HACODA, AL

LOCATION.--Lat 31°07'15", long 86°11'13", in SW¼ sec. 19, T. 2 N., R. 19 E., Geneva County, Hydrologic Unit 03140202, on right bank 50 ft upstream from county road bridge, and 5 mi northwest of Hacoda.

DRAINAGE AREA.--26.2 mi² (revised).

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

GAGE.--Water-stage recorder. Altitude of gage is 140 ft, from topographic map.

REMARKS.--Records good except those for period of no gage height record May 4 to June 5, which are poor. Records of specific conductance and water temperature for the water year 1984 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--10 years, 47.3 ft³/s, 24.52 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,590 ft³/s Apr. 10, 1975, gage height, 15.32 ft; minimum, 1.0 ft³/s July 18, 1981.

EXTREMES FOR CURRENT YEAR.--Peak discharge above base of 450 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Feb. 27	1900	599	10.22	July 18	2000	508	9.80
Mar. 6	1200	*1,070	*11.90				

Minimum discharge, 1.3 ft³/s Sept. 28, 29, 30.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.9	2.8	22	37	33	59	26	13	4.0	3.3	20	7.6
2	3.7	2.8	18	33	31	47	24	13	4.0	2.9	94	6.5
3	3.4	2.7	17	30	31	41	64	12	3.0	2.6	114	5.7
4	3.3	2.7	32	28	37	37	91	16	3.0	2.4	70	5.3
5	3.2	3.0	30	27	34	95	66	18	3.0	2.2	68	5.7
6	2.9	2.9	49	25	29	845	44	19	2.2	2.4	55	6.0
7	2.7	2.9	45	24	28	367	35	17	2.0	2.5	37	5.3
8	2.7	3.2	30	22	27	125	32	15	1.9	2.8	23	4.5
9	2.6	3.4	25	21	26	79	63	13	2.1	2.9	16	4.0
10	2.7	3.3	21	41	25	62	59	11	2.0	2.6	13	3.6
11	3.6	3.1	103	53	24	54	42	10	1.8	2.1	21	3.4
12	4.6	3.1	182	37	33	48	35	9.0	7.8	4.2	65	3.2
13	14	3.0	79	29	109	53	33	9.0	14	7.2	53	2.9
14	13	3.4	54	27	81	50	28	8.0	7.8	4.7	32	2.7
15	7.9	4.9	46	25	54	47	25	8.0	5.2	3.3	21	2.6
16	6.0	6.8	36	30	41	41	23	8.0	4.6	4.6	16	2.5
17	5.0	5.6	31	32	36	37	20	7.0	12	12	14	2.3
18	4.5	4.9	29	37	32	35	19	7.0	7.6	109	11	2.2
19	4.0	4.7	29	80	30	32	18	7.0	4.9	70	10	2.2
20	3.7	45	27	64	27	71	18	8.0	4.3	29	9.6	2.1
21	3.6	42	24	43	28	89	17	13	3.9	16	8.6	2.0
22	3.6	22	24	35	30	62	18	15	3.3	11	8.0	1.9
23	4.1	17	25	31	30	46	38	13	3.7	7.3	18	1.8
24	5.0	43	24	92	27	39	30	10	4.5	5.7	29	1.7
25	4.9	50	21	139	24	36	21	8.0	3.6	9.6	18	1.6
26	4.5	28	19	105	22	32	17	7.0	2.6	7.7	39	1.5
27	3.7	18	20	81	425	35	18	6.0	2.1	5.4	42	1.5
28	3.3	74	49	64	264	49	17	7.0	1.8	4.8	20	1.4
29	3.1	61	84	50	90	40	15	6.0	1.9	12	14	1.4
30	3.1	31	76	41	---	32	13	5.0	3.3	14	12	1.4
31	2.9	---	49	36	---	28	---	5.0	---	12	9.4	---
TOTAL	139.2	500.2	1320	1419	1708	2713	969	323.0	127.9	378.2	980.6	96.5
MEAN	4.49	16.7	42.6	45.8	58.9	87.5	32.3	10.4	4.26	12.2	31.6	3.22
MAX	14	74	182	139	425	845	91	19	14	109	114	7.6
MIN	2.6	2.7	17	21	22	28	13	5.0	1.8	2.1	8.0	1.4
CFSM	.17	.64	1.63	1.75	2.25	3.34	1.23	.40	.16	.47	1.21	.12
IN.	.20	.71	1.87	2.01	2.43	3.85	1.38	.46	.18	.54	1.39	.14

CAL YR 1983	TOTAL	16782.7	MEAN	46.0	MAX	661	MIN	2.4	CFSM	1.76	IN.	23.83
WTR YR 1984	TOTAL	10674.6	MEAN	29.2	MAX	845	MIN	1.4	CFSM	1.11	IN.	15.16

BLACKWATER RIVER BASIN

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BLACKWATER RIVER MAIN STEM

02369800 BLACKWATER RIVER NEAR BRADLEY, AL

(HYDROLOGIC BENCH-MARK STATION)

LOCATION.--Lat 31°01'39", long 86°42'36", on line between secs. 24 and 25, T. 1 N., R. 13 E., Escambia County, Hydrologic Unit 03140104, in Conecuh National Forest, near left bank on downstream side of bridge on county road, and 1 mi east of Bradley.

DRAINAGE AREA.--87.7 mi² (revised).

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

GAGE.--Water-stage recorder. Datum of gage is 121.87 ft National Geodetic Vertical Datum of 1929.

REMARKS.--Records good. Records of specific conductance and water temperature for the water year 1984 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--17 years, 149 ft³/s, 23.07 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, not determined, occurred June 4, 1970; gage height, 24.20 ft; maximum daily, 11,100 ft³/s June 4, 1970; minimum, 18 ft³/s Sept. 15, 1968.

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

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Mar. 6	1900	*2,010	*12.69	Aug. 3	0500	1,270	9.85

Minimum discharge, 34 ft³/s Nov. 2, 3, 4.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	45	36	119	226	147	178	76	64	63	57	146	59
2	43	35	100	178	135	143	73	61	56	48	733	55
3	45	34	92	154	131	127	224	79	51	44	1100	70
4	41	35	145	137	145	116	291	114	47	42	696	151
5	40	44	134	126	134	270	208	110	44	39	724	158
6	39	40	162	117	120	1390	142	82	41	40	423	92
7	39	39	184	110	112	1230	114	68	40	80	250	71
8	38	43	136	104	107	714	108	61	39	56	161	62
9	39	40	109	99	104	421	271	58	38	55	121	57
10	40	39	96	173	102	301	314	54	38	48	107	54
11	47	38	392	212	100	236	159	50	36	40	180	52
12	50	38	805	162	99	198	132	48	38	100	274	65
13	55	38	499	135	172	187	116	45	55	345	209	58
14	51	41	319	121	160	164	104	43	44	182	163	51
15	47	51	223	112	125	145	94	42	42	89	142	50
16	44	58	169	117	111	130	88	41	40	170	109	52
17	42	48	140	122	105	121	83	40	39	145	91	47
18	40	44	123	131	100	113	79	38	38	97	81	45
19	39	42	114	227	95	108	76	37	38	114	73	45
20	38	174	106	201	93	122	72	36	37	168	68	45
21	38	158	100	151	95	132	69	47	40	110	67	43
22	39	93	108	128	98	116	69	167	92	82	64	41
23	46	72	124	119	97	106	125	213	90	68	59	42
24	47	204	108	392	91	98	100	136	154	64	67	40
25	42	252	98	623	85	95	79	86	76	63	64	40
26	41	160	91	554	82	90	72	70	53	56	83	39
27	39	114	90	424	404	89	68	143	45	49	109	39
28	38	272	292	329	401	97	67	118	42	57	88	39
29	37	234	516	251	320	93	76	128	47	91	75	38
30	36	155	494	199	---	83	71	97	82	94	69	38
31	36	---	329	165	---	78	---	74	---	83	64	---
TOTAL	1301	2671	6517	6299	4070	7491	3620	2450	1585	2776	6660	1738
MEAN	42.0	89.0	210	203	140	242	121	79.0	52.8	89.5	215	57.9
MAX	55	272	805	623	404	1390	314	213	154	345	1100	158
MIN	36	34	90	99	82	78	67	36	36	39	59	38
CFSM	.48	1.01	2.39	2.31	1.60	2.76	1.38	.90	.60	1.02	2.45	.66
IN.	.55	1.13	2.76	2.67	1.73	3.18	1.54	1.04	.67	1.18	2.82	.74
CAL YR 1983	TOTAL	61316	MEAN	168	MAX	1440	MIN	34	CFSM	1.92	IN.	26.01
WTR YR 1984	TOTAL	47178	MEAN	129	MAX	1390	MIN	34	CFSM	1.47	IN.	20.01

ESCAMBIA RIVER BASIN

02371200 INDIAN CREEK NEAR TROY, AL

LOCATION.--Lat 31°48'50", long 86°07'15", in E½ sec. 26, T. 10 N., R. 19 E., Pike County, Hydrologic Unit 03140301, at left downstream wingwall of culvert on U.S. Highway 29, 3.5 mi upstream from mouth, and 9 mi west of Troy.

DRAINAGE AREA.--8.87 mi² (revised).

PERIOD OF RECORD.--August 1958 to September 1968. Annual maximums, water years 1969-70. October 1970 to current year.

REVISED RECORDS.--WSP 2106: 1960(M), 1960-65(P), 1962-65(M).

GAGE.--Water-stage recorder. Altitude of gage is 354 ft, by barometer. Prior to Oct. 1, 1961, at datum 1.00 ft higher.

REMARKS.--Records fair except those for period of no gage height record Oct. 7 to Nov. 9, which are poor. Records of specific conductance and water temperature for the water year 1984 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--24 years (water years 1959-68, 1971-84), 13.2 ft³/s, 20.21 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,950 ft³/s Feb. 17, 1975, gage height, 7.75 ft; minimum, 0.10 ft³/s Sept. 10, 1958, Sept. 10-16, 1967, and June 30, July 1, 1981.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 250 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Nov. 28	0215	255	5.20	Dec. 28	0815	285	5.25
Dec. 11	1300	274	5.24	Feb. 27	0500	430	5.53
				Mar. 5	1500	*544	*5.74

Minimum discharge, 0.40 ft³/s Sept. 26, 27, 28, 30.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1	2.4	2.1	6.0	10	10	12	9.8	7.7	4.2	2.2	7.7	1.5	
2	2.3	2.2	5.8	9.6	9.7	12	10	7.1	3.9	2.3	45	1.4	
3	2.3	2.3	7.8	8.9	16	11	67	19	3.6	2.4	9.1	1.7	
4	2.4	2.4	20	8.4	17	11	19	9.5	3.3	2.6	4.8	2.0	
5	2.6	2.5	7.1	8.2	11	164	14	7.4	3.0	2.1	4.2	2.5	
6	2.3	6.8	10	8.0	9.8	104	12	6.6	2.9	2.1	3.4	1.6	
7	2.2	5.7	6.4	7.6	9.5	30	11	5.6	2.8	2.1	3.0	1.3	
8	2.1	4.1	5.7	7.3	9.3	20	12	17	2.8	1.9	2.9	1.2	
9	2.0	3.4	5.4	7.2	9.2	17	16	7.9	2.7	1.7	7.9	1.1	
10	2.0	2.9	5.2	22	9.2	16	11	6.3	2.6	1.7	4.2	1.0	
11	2.5	2.9	97	9.4	9.0	14	11	5.6	2.5	1.7	4.0	1.0	
12	3.0	3.2	17	8.1	26	14	9.8	5.2	2.4	3.1	6.4	.94	
13	4.0	3.2	9.3	7.8	53	13	9.4	4.9	2.4	2.5	12	.86	
14	6.0	4.1	11	7.5	15	12	9.0	5.4	2.3	2.4	4.3	.87	
15	5.0	5.9	7.7	13	12	11	8.6	5.7	2.5	2.3	3.2	.82	
16	4.2	4.7	7.0	9.9	11	9.9	8.7	4.5	2.9	2.3	2.8	.77	
17	3.8	4.0	6.8	11	11	9.9	8.6	4.2	3.2	2.5	2.5	.72	
18	3.2	4.1	7.0	30	9.9	9.5	8.1	4.0	2.6	2.6	2.6	.68	
19	3.0	4.2	6.5	23	9.6	9.0	13	3.8	2.4	2.3	2.7	.69	
20	2.9	58	6.0	13	9.4	65	9.9	3.7	2.3	2.0	3.6	.65	
21	2.9	6.3	5.9	11	9.0	19	8.3	15	2.1	1.8	3.5	.62	
22	2.8	4.8	38	10	12	13	46	9.1	2.2	1.6	2.6	.60	
23	2.9	11	9.4	11	9.9	11	16	5.7	2.9	1.9	2.9	.57	
24	3.2	80	7.0	30	8.6	29	10	4.7	2.4	1.6	3.5	.58	
25	3.8	10	6.0	26	8.2	68	8.6	4.4	2.1	1.5	2.2	.55	
26	3.2	6.9	6.3	16	8.1	16	7.9	4.1	1.8	1.4	2.1	.52	
27	2.9	7.9	9.7	17	129	15	7.7	4.2	1.8	1.3	3.2	.50	
28	2.7	71	85	13	18	14	29	12	1.7	1.4	4.0	.49	
29	2.5	8.7	37	11	14	12	16	9.8	2.0	1.7	2.5	.50	
30	2.4	6.6	13	11	---	11	9.2	5.5	2.5	2.4	2.1	.47	
31	2.3	---	11	10	---	10	---	4.7	---	2.5	1.8	---	
TOTAL	91.8	341.9	483.0	395.9	493.4	782.3	436.6	220.3	78.8	63.9	166.7	28.70	
MEAN	2.96	11.4	15.6	12.8	17.0	25.2	14.6	7.11	2.63	2.06	5.38	.96	
MAX	6.0	80	97	30	129	164	67	19	4.2	3.1	45	2.5	
MIN	2.0	2.1	5.2	7.2	8.1	9.0	7.7	3.7	1.7	1.3	1.8	.47	
CFSM	.33	1.29	1.76	1.44	1.92	2.84	1.65	.80	.30	.23	.61	.11	
IN.	.39	1.43	2.03	1.66	2.07	3.28	1.83	.92	.33	.27	.70	.12	
CAL YR 1983	TOTAL	5191.8		MEAN	14.2	MAX	192	MIN	1.9	CFSM	1.60	IN.	21.77
WTR YR 1984	TOTAL	3583.30		MEAN	9.79	MAX	164	MIN	.47	CFSM	1.10	IN.	15.03

ESCAMBIA RIVER BASIN

41

ESCAMBIA RIVER MAIN STEM

02371500 CONECUH RIVER AT BRANTLEY, AL

LOCATION.--Lat 31°34'24", long 86°15'06", in SE¼ sec. 16, T. 7 N., R. 18 E., Crenshaw County, Hydrologic Unit 03140301, on left bank 10 ft upstream from bridge on U.S. Highway 331 and State Highway 52, 0.5 mi downstream from Moody Mill Creek, 0.8 mi southeast of Brantley, and at mile 112.3.

DRAINAGE AREA.--500 mi² (revised).

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

REVISED RECORDS.--WSP 1384: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 226.2 ft National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to Nov. 1, 1938, nonrecording gage at same site and datum.

REMARKS.--Records good. Records of specific conductance and water temperature for the water year 1984 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--47 years, 677 ft³/s, 18.39 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 19,800 ft³/s Feb. 19, 1975, gage height, 24.51 ft; minimum, 22 ft³/s Sept. 14, 1954.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since 1900, about 26 ft, present site and datum, March 1929, from information by local residents; discharge not determined.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,820 ft³/s Mar. 7; gage height, 13.25 ft, no peak above base of 4,000 ft³/s, minimum, 34 ft³/s Sept. 30.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1	103	68	1200	1410	1030	1330	935	667	253	58	182	91	
2	96	67	1160	1700	859	1430	675	428	239	57	338	82	
3	90	67	1090	1910	740	1670	764	1010	200	58	580	77	
4	84	67	1060	1680	744	1530	1130	1670	167	58	642	92	
5	80	74	962	1290	766	1510	1230	1060	143	66	611	83	
6	77	88	950	923	750	2460	1060	685	127	67	575	81	
7	77	114	847	726	740	2710	947	762	114	62	479	90	
8	74	101	770	646	731	2180	851	855	103	59	299	80	
9	70	90	721	594	681	2000	789	948	96	67	204	71	
10	69	84	674	653	612	2440	690	917	92	71	164	65	
11	70	82	1070	770	559	2280	610	616	85	66	175	60	
12	72	80	1370	787	602	1760	568	482	81	65	176	57	
13	85	78	1290	771	1400	1330	537	408	77	69	240	53	
14	97	77	1230	804	1230	967	496	339	73	87	375	51	
15	122	81	1220	856	1070	790	456	295	70	83	370	50	
16	119	97	1390	916	1020	706	423	258	67	90	326	50	
17	109	123	1560	871	1070	652	396	233	68	84	258	55	
18	106	128	1460	821	1110	611	367	206	77	104	196	48	
19	99	117	1210	1030	1050	576	347	186	93	156	150	45	
20	93	192	856	1050	847	665	341	170	87	116	127	44	
21	91	495	640	1060	667	904	353	190	77	101	164	42	
22	86	578	560	1110	605	940	368	444	70	87	149	41	
23	83	429	586	1220	584	908	468	387	69	79	125	40	
24	82	643	720	1670	575	1020	557	291	69	73	126	40	
25	80	883	695	1870	548	2220	486	253	73	68	162	38	
26	80	976	679	1620	523	2190	378	223	77	62	149	37	
27	77	987	660	1370	1290	1550	316	199	69	58	133	37	
28	74	1220	1070	1230	1600	1230	281	187	61	55	166	36	
29	73	1190	1600	1220	1510	1120	362	200	62	65	168	35	
30	71	1230	1550	1220	---	1130	732	214	71	75	129	35	
31	69	---	1420	1150	---	1090	---	240	---	109	103	---	
TOTAL	2658	10506	32270	34948	25513	43899	17913	15023	3010	2375	8041	1706	
MEAN	85.7	350	1041	1127	880	1416	597	485	100	76.6	259	56.9	
MAX	122	1230	1600	1910	1600	2710	1230	1670	253	156	642	92	
MIN	69	67	560	594	523	576	281	170	61	55	103	35	
CFSM	.17	.70	2.08	2.25	1.76	2.83	1.19	.97	.20	.15	.52	.11	
IN.	.20	.78	2.40	2.60	1.90	3.27	1.33	1.12	.22	.18	.60	.13	
CAL YR 1983	TOTAL	300637		MEAN	824	MAX	5910	MIN	66	CFSM	1.65	IN.	22.37
WTR YR 1984	TOTAL	197862		MEAN	541	MAX	2710	MIN	35	CFSM	1.08	IN.	14.72

ESCAMBIA RIVER BASIN

02372250 PATSALIGA CREEK NEAR BRANTLEY, AL

LOCATION.--Lat 31°35'46", long 86°24'20", in NE¼ sec. 12, T. 7 N., R. 16 E., Crenshaw County, Hydrologic Unit 03140302, near left bank on downstream side of bridge on State Highway 106, 3.0 mi north of Leon, and 10.9 mi northwest of Brantley.

DRAINAGE AREA.--442 mi² (revised).

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

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

REMARKS.--Records good. Records of specific conductance and water temperature for the water year 1984 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--10 years, 688 ft³/s, 21.14 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 15,400 ft³/s Jan. 27, 1978, gage height, 22.05; maximum gage height, 22.21 ft Feb. 19, 1975; minimum, 26 ft³/s Oct. 7, 1981.

EXTREMES FOR CURRENT YEAR.--Maximum discharge 2,670 ft³/s Mar. 7; gage height, 15.80 ft, no peak above base of 4,000 ft³/s; minimum, 40 ft³/s Sept. 30.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1	112	99	1370	2070	710	1660	597	470	304	81	191	130	
2	107	98	1280	2310	623	1710	526	382	276	86	1000	114	
3	102	97	1020	1850	585	1540	800	809	181	88	1520	102	
4	97	98	787	1000	658	872	1410	950	150	92	1550	94	
5	94	105	810	744	743	963	1350	592	134	80	1300	92	
6	95	138	837	665	780	2290	1110	662	124	78	1090	96	
7	103	169	917	614	753	2620	953	755	112	72	838	100	
8	97	150	860	571	666	2280	735	873	104	66	361	91	
9	93	133	802	535	563	2060	701	631	100	75	251	84	
10	92	125	714	563	518	2020	773	554	94	69	203	79	
11	93	120	844	727	501	1620	774	568	90	63	194	75	
12	98	116	1430	798	508	963	741	560	88	64	237	72	
13	142	112	1460	870	1140	755	630	405	91	68	510	68	
14	288	113	1570	893	1430	686	535	289	84	79	709	66	
15	307	120	1740	813	1330	642	484	243	83	76	532	72	
16	242	150	1890	785	1350	609	445	226	90	91	564	97	
17	179	191	1490	759	1320	574	417	206	100	141	448	74	
18	148	194	788	829	1000	547	398	185	99	113	273	62	
19	132	177	603	1190	727	527	380	170	94	131	193	59	
20	125	350	544	1280	641	559	387	160	87	166	177	56	
21	116	753	506	1390	596	781	409	171	83	161	232	55	
22	112	759	483	1520	566	809	403	326	80	120	308	53	
23	113	751	684	1580	556	811	501	321	89	95	253	50	
24	114	988	825	1420	562	894	687	296	97	88	210	48	
25	116	1360	901	1390	565	1500	531	246	109	105	190	46	
26	121	1320	951	1280	533	1320	379	202	92	98	180	46	
27	114	1360	890	1220	1220	1210	325	176	79	83	147	44	
28	110	1550	1130	1220	1780	1470	298	161	74	76	198	43	
29	105	1740	1770	1170	1700	1760	291	204	81	71	193	42	
30	102	1600	1790	1030	---	1610	486	231	86	79	164	41	
31	100	---	1860	857	---	827	---	234	---	88	149	---	
TOTAL	3969	15036	33546	33943	24624	38489	18456	12258	3355	2843	14365	2151	
MEAN	128	501	1082	1095	849	1242	615	395	112	91.7	463	71.7	
MAX	307	1740	1890	2310	1780	2620	1410	950	304	166	1550	130	
MIN	92	97	483	535	501	527	291	160	74	63	147	41	
CFSM	.29	1.13	2.45	2.48	1.92	2.81	1.39	.89	.25	.21	1.05	.16	
IN.	.33	1.27	2.82	2.86	2.07	3.24	1.55	1.03	.28	.24	1.21	.18	
CAL YR 1983	TOTAL	297111		MEAN	814	MAX	4700	MIN	77	CFSM	1.84	IN.	25.01
WTR YR 1984	TOTAL	203035		MEAN	555	MAX	2620	MIN	41	CFSM	1.26	IN.	17.09

ESCAMBIA RIVER BASIN

43

ESCAMBIA RIVER MAIN STREAM

02372430 (NWS 01-6937-07) CONECUH RIVER AT RIVER FALLS, AL

LOCATION.--Lat 31°20'53", long 86°31'46", in NW¼ sec. 2, T. 4 N., R. 15 E., Covington County, Hydrologic Unit 03140301, on downstream handrail of State Highway 55 bridge, 0.8 mi east of River Falls.

DRAINAGE AREA.--1,277 mi² (revised).

PERIOD OF RECORD.--November 1928 to September 1979, October 1980 to current year (gage heights only). October 1971 to September 1979, October 1980 to current year in reports of Geological Survey. November 1928 to December 1971 in reports of National Weather Service.

GAGE.--Nonrecording gage. Datum of gage is 120.80 ft National Geodetic Vertical Datum of 1929. Prior to June 23, 1934, nonrecording gage located on left bank 1,400 ft upstream at datum 2.88 ft higher. June 23, 1934, to Mar. 3, 1953, nonrecording gage on downstream side of bridge located 1,000 ft upstream at datum 2.88 ft higher.

REMARKS.--Some regulation at low flow by Point A Lake 1.0 mi upstream and Gantt Reservoir 8 mi upstream.

COOPERATION.--Records furnished by National Weather Service.

EXTREMES (AT 0700) FOR PERIOD OF RECORD.--Maximum gage height, 52.5 ft Mar. 15, 1929; minimum gage height, -1.8 ft Sept. 11, 1938.

EXTREMES (AT 0700) FOR CURRENT YEAR.--Maximum gage height, 15.96 ft Mar. 8; minimum gage height, 1.50 ft May 30, June 5, Aug. 26.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
INSTANTANEOUS OBSERVATIONS AT 0700

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.55	---	9.33	10.00	7.27	12.58	5.96	1.67	1.55	1.55	1.86	1.55
2	1.55	1.62	8.75	9.73	6.85	12.29	5.14	1.55	---	1.62	5.94	1.59
3	1.51	1.55	8.54	9.70	5.05	9.74	9.37	1.69	1.66	1.56	9.40	1.55
4	2.08	1.60	7.77	8.85	4.21	8.52	10.05	12.26	1.58	1.55	8.71	1.73
5	2.98	1.55	6.90	8.38	3.14	8.14	9.65	11.86	1.50	1.52	6.75	1.69
6	2.21	1.58	7.13	7.75	1.55	14.47	9.41	8.97	1.61	1.60	7.04	1.55
7	2.67	1.55	6.88	6.41	1.58	15.57	9.00	5.60	1.55	1.64	5.97	1.55
8	2.30	1.64	7.65	4.90	3.45	15.96	8.18	3.83	1.55	1.63	4.43	1.59
9	2.18	---	6.13	4.82	4.08	---	7.19	4.18	1.71	1.55	4.71	1.55
10	1.93	1.64	5.25	4.47	4.51	12.33	6.45	6.40	1.56	1.55	1.95	1.51
11	3.40	---	6.41	5.30	4.37	11.38	4.27	5.08	1.53	1.52	3.08	1.64
12	2.98	1.55	9.87	4.69	4.14	11.95	3.90	4.48	1.55	1.55	3.39	1.62
13	3.68	1.60	10.45	5.07	6.38	9.38	3.55	3.28	1.76	1.65	4.60	1.55
14	1.75	1.55	10.69	4.85	11.50	8.40	2.67	3.71	1.55	1.82	3.96	1.55
15	1.57	1.67	8.90	4.91	9.74	8.05	3.06	1.55	1.56	1.56	2.87	1.57
16	1.55	1.61	8.21	5.73	4.90	4.73	2.90	1.57	1.55	1.55	2.07	1.52
17	1.55	1.55	5.04	6.95	1.67	4.97	2.14	1.64	1.55	1.55	1.93	1.60
18	1.55	1.55	9.20	6.91	9.21	4.27	2.67	1.55	1.52	1.67	2.30	1.55
19	5.87	1.66	8.72	7.45	5.40	3.40	2.86	1.55	1.60	1.85	2.16	1.55
20	4.66	5.20	8.60	7.68	5.68	4.08	1.75	1.61	1.58	1.60	1.83	1.58
21	4.10	4.57	6.34	9.07	5.04	5.21	1.55	1.70	1.55	1.55	1.68	1.52
22	3.97	4.90	6.71	9.40	4.30	5.45	1.68	13.00	---	1.55	1.55	1.55
23	3.45	4.21	3.12	8.94	1.55	4.27	5.12	4.33	1.63	1.58	1.55	1.55
24	2.82	6.14	3.48	11.26	1.55	4.18	6.07	3.90	1.55	1.64	1.58	1.60
25	2.75	7.10	4.30	12.22	4.77	---	5.21	2.86	1.68	1.55	1.55	1.56
26	3.14	6.81	4.18	12.56	3.82	12.30	3.80	1.55	1.55	1.55	1.50	1.61
27	2.00	7.24	4.18	11.55	10.78	13.10	2.77	2.04	---	1.59	1.69	1.55
28	2.09	10.51	9.00	9.39	10.70	11.39	2.14	1.55	---	1.68	1.55	1.55
29	1.55	---	11.87	8.11	12.44	10.86	1.67	1.66	---	1.54	1.58	1.53
30	1.55	9.25	14.00	8.10	---	9.60	1.55	1.50	---	1.77	1.58	1.53
31	1.58	---	10.14	7.88	---	8.12	---	1.59	---	---	1.54	---
MEAN	2.53	---	7.67	7.84	5.50	---	4.72	3.86	---	---	3.30	1.57
MAX	5.87	---	14.00	12.56	12.44	---	10.05	13.00	---	---	9.40	1.73
MIN	1.51	---	3.12	4.47	1.55	---	1.55	1.50	---	---	1.50	1.51

ESCAMBIA RIVER BASIN

02373000 SEPULGA RIVER NEAR MCKENZIE, AL

LOCATION.--Lat 31°27'47", long 86°47'16", in SE¼ sec. 30, T. 6 N., R. 13 E., Conecuh County, Hydrologic Unit 03140303, on left bank 100 ft downstream from bridge on U.S. Highway 31, 0.38 mi upstream from Old Town Creek, 2.5 mi upstream from Piney Woods Creek, 5.5 mi downstream from Persimmon Creek, and 7 mi southwest of McKenzie.

DRAINAGE AREA.--470 mi² (revised).

PERIOD OF RECORD.--October 1937 to September 1967, October 1968 to September 1970 (annual peak discharge only), October 1974 to current year.

GAGE.--Recording gage. Datum of gage is 155.96 ft National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to Mar. 25, 1939, nonrecording gage, and Mar. 26, 1939, to July 29, 1960, recording gage at same site and datum.

REMARKS.--Records good. Records of specific conductance and water temperature for the water year 1984 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--40 years (water years 1938-67, 1975-84), 686 ft³/s, 19.82 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 28,100 ft³/s Mar. 17, 1938; maximum gage height, 24.70 ft Feb. 26, 1961; minimum discharge, 3.5 ft³/s Sept. 15, 28, 29, 30, 1954.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of March 1929 reached a stage of 33.0 ft.

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

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Feb. 29	1600	5,290	10.25	May 3	1700	*5,940	*11.12
Mar. 8	0900	4,110	8.70				

Minimum discharge, 32 ft³/s Sept. 30.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	50	52	648	2140	628	4080	605	898	463	157	137	117
2	46	50	416	1820	557	2690	527	498	326	202	1150	108
3	43	50	310	1140	530	2050	929	3060	210	157	2820	99
4	42	51	522	712	616	1130	1940	3240	190	140	3080	92
5	40	56	854	604	955	1070	2130	1860	151	119	2380	88
6	37	56	844	534	884	2720	1840	928	138	143	2200	81
7	36	56	826	482	701	3670	1440	657	129	124	2210	77
8	35	56	674	438	545	3850	1030	526	122	198	1240	96
9	45	63	524	397	475	2930	1620	560	115	146	452	98
10	49	67	403	640	445	2320	2440	492	108	154	366	84
11	45	62	523	1790	430	1590	2000	405	102	118	326	76
12	49	60	1180	1840	422	1000	1550	325	97	99	482	73
13	146	57	1400	1400	570	832	1060	274	110	90	710	68
14	110	59	1210	1090	1110	747	761	241	143	80	694	63
15	193	63	917	801	1140	674	625	221	123	85	1190	58
16	170	72	566	1160	936	608	532	215	127	75	667	109
17	119	67	413	1440	697	550	471	194	161	71	427	226
18	93	67	343	1700	600	506	425	179	186	259	308	114
19	79	87	304	2550	542	475	387	168	150	349	253	81
20	70	318	277	2940	482	951	373	159	125	220	220	65
21	65	335	259	2470	441	1860	360	183	113	146	195	56
22	62	477	254	1980	418	1750	376	783	113	125	171	50
23	61	436	573	1560	454	1330	613	1180	102	95	155	46
24	60	869	867	1130	484	1170	1030	850	99	77	136	43
25	58	1170	707	1350	487	1720	693	566	90	71	137	41
26	59	1150	538	1670	419	2940	427	395	95	55	132	39
27	60	849	379	1610	2680	2500	319	347	112	76	124	37
28	63	837	1040	1440	3900	1980	345	315	92	92	222	36
29	59	1050	2600	1180	5080	1710	1710	368	90	70	214	35
30	55	934	3010	924	---	1320	2090	528	105	73	150	33
31	53	---	2570	742	---	758	---	668	---	93	131	---
TOTAL	2152	9576	25951	41674	27628	53481	30648	21283	4287	3959	23079	2289
MEAN	69.4	319	837	1344	953	1725	1022	687	143	128	744	76.3
MAX	193	1170	3010	2940	5080	4080	2440	3240	463	349	3080	226
MIN	35	50	254	397	418	475	319	159	90	55	124	33
CFSM	.15	.68	1.78	2.86	2.03	3.67	2.17	1.46	.30	.27	1.58	.16
IN.	.17	.76	2.05	3.30	2.19	4.23	2.43	1.68	.34	.31	1.83	.18
CAL YR 1983	TOTAL	356299	MEAN	976	MAX	9810	MIN	29	CFSM	2.08	IN.	28.20
WTR YR 1984	TOTAL	246007	MEAN	672	MAX	5080	MIN	33	CFSM	1.43	IN.	19.47

ESCAMBIA RIVER BASIN

45

02374250 (NWS 01-1084-07) CONECUH RIVER AT BREWTON, AL

LOCATION.--Lat 31°04'01", long 87°02'40", in NE¼ sec. 9, T. 1 N., R. 10 E., Escambia County, Hydrologic Unit 03140304, on downstream side of bridge on State Highway 41, 1.0 mi south of East Brewton, and 2.7 mi upstream from Murder Creek.

DRAINAGE AREA.--2,661 mi² (revised).

PERIOD OF RECORD.--February 1929 to current year (gage heights only). October 1971 to current year in reports of Geological Survey. July 1930 to December 1971 collected by National Weather Service. July 1930 to December 1971 published in "Daily River Stages."

GAGE.--Nonrecording gage. Datum of gage is 53.10 ft National Geodetic Vertical Datum of 1929.

COOPERATION.--Records furnished by National Weather Service.

EXTREMES (AT 0700) FOR PERIOD OF RECORD.--Maximum gage height, 36.6 ft Mar. 15, 1929; minimum gage height, -2.32 ft Oct. 6, 9, 1981.

EXTREMES (AT 0700) FOR CURRENT YEAR.--Maximum gage height, 13.11 ft Feb. 29; minimum gage height, -2.17 ft Sept. 30.

REVISIONS.--In reports of National Weather Service, the datum of the gage was erroneously listed as 57.2 ft. The datum of the gage has remained unchanged since station was established.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
INSTANTANEOUS OBSERVATIONS AT 0700

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	-0.46	-0.09	5.39	6.12	6.49	11.06	6.20	2.69	2.22	-0.65	.81	1.14
2	-0.15	-0.11	5.20	7.23	6.90	10.96	5.89	4.42	2.07	-0.39	.04	.56
3	-0.21	-0.12	4.94	7.88	5.88	9.71	5.86	4.59	1.52	-0.97	5.99	.82
4	-0.23	-0.08	4.86	8.20	4.75	8.11	6.94	5.93	1.41	-0.39	8.79	.34
5	-0.25	-0.23	4.72	8.02	3.85	8.75	9.12	12.38	1.23	-0.48	10.79	.22
6	-0.26	-0.23	5.01	7.68	2.96	9.30	8.49	10.00	.70	-0.19	10.27	.33
7	-0.49	-0.31	5.26	6.80	2.78	13.02	8.05	10.23	.34	-1.05	10.50	.19
8	-0.57	-0.29	4.96	5.19	1.96	10.98	6.75	9.89	.52	-0.31	9.66	-0.22
9	-0.63	-0.26	4.88	4.70	1.66	10.11	7.15	9.61	.34	-0.19	10.21	-0.39
10	-0.47	-0.27	4.01	4.45	1.49	11.45	6.48	7.00	.12	-0.02	9.09	-0.56
11	-0.62	-0.34	5.75	5.80	2.35	10.86	6.30	6.20	-0.03	-0.04	7.49	-0.47
12	-0.62	-0.56	5.92	6.07	3.65	10.43	6.72	3.96	-0.17	-0.20	5.19	-0.61
13	-0.43	-0.42	5.67	5.61	4.35	7.84	7.02	2.94	-0.31	-0.44	4.77	-0.70
14	-0.53	-0.43	6.24	5.99	4.62	7.36	5.11	2.66	-0.31	-0.79	5.19	-0.72
15	-0.57	-0.53	7.24	4.96	4.50	7.29	4.84	2.37	-0.26	-0.84	5.61	-1.30
16	-0.27	-0.60	6.71	4.71	4.49	5.11	4.37	2.28	-0.37	-0.66	4.12	-1.44
17	-0.67	-0.54	6.71	5.07	5.19	4.05	3.64	1.84	-0.49	-0.47	3.81	-1.61
18	-0.52	-0.49	6.58	5.30	3.41	4.31	3.39	1.80	-0.63	-0.55	2.91	-1.57
19	-0.33	-0.31	5.71	6.48	5.41	4.19	2.64	.90	-0.70	-0.09	2.91	-1.53
20	-0.53	-0.10	5.28	6.05	5.52	4.49	2.10	.65	-1.17	-0.29	1.70	-1.60
21	-0.39	1.31	4.64	8.00	4.63	4.96	1.90	.59	-1.20	-0.40	1.66	-1.77
22	-0.48	1.38	4.64	7.58	4.92	5.00	2.23	4.82	-1.39	-0.40	1.53	-1.84
23	-0.33	1.27	3.48	7.89	4.40	4.89	2.31	12.55	-1.53	-0.66	1.01	-1.98
24	-0.31	3.20	2.08	7.42	4.27	5.30	2.43	9.65	-1.87	-0.80	1.10	-1.49
25	-0.39	5.99	3.60	9.35	2.36	5.66	1.96	5.39	-1.87	-0.91	1.60	-1.61
26	-0.21	7.56	3.73	9.52	3.17	9.00	1.94	4.36	-0.09	-0.74	1.81	-1.52
27	-0.23	5.30	3.84	9.70	3.30	9.11	1.81	2.47	-0.01	-0.90	1.72	-1.66
28	-0.21	5.40	5.00	9.18	6.86	9.75	2.30	2.62	.07	-1.07	1.58	-1.46
29	-0.15	5.51	5.10	7.99	13.11	8.29	2.10	2.29	-0.14	.96	1.77	-1.90
30	-0.19	5.28	5.89	7.16	---	7.45	2.16	1.89	-1.11	1.03	2.21	-2.17
31	-0.22	---	6.49	6.52	---	7.45	---	1.86	---	1.14	2.54	---
MEAN	-0.38	1.20	5.15	6.86	4.46	7.94	4.61	4.87	-0.10	-0.38	4.46	-0.88
MAX	-0.15	7.56	7.24	9.70	13.11	13.02	9.12	12.55	2.22	1.14	10.79	1.14
MIN	-0.67	-0.60	2.08	4.45	1.49	4.05	1.81	.59	-1.87	-1.07	.04	-2.17
WTR YR 1984	MEAN	3.16	MAX	13.11	MIN	-2.17						

ESCAMBIA RIVER BASIN

02374500 MURDER CREEK NEAR EVERGREEN, AL

LOCATION.--Lat 31°25'06", long 86°59'12", in NW¼ sec. 8, T. 5 N., R. 11 E., Conecuh County, Hydrologic Unit 03140304, on left bank 30 ft upstream from bridge on U.S. Highway 31, 1 mi upstream from Louisville & Nashville Railroad bridge, and 2.5 mi southwest of Evergreen.

DRAINAGE AREA.--176 mi² (revised).

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

REVISED RECORDS.--WSP 1384: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 178.29 ft National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to Mar. 25, 1939, nonrecording gage at same site and datum.

REMARKS.--Records good. Records of specific conductance and water temperature for the water year 1984 are published under miscellaneous water quality sites in this report.

AVERAGE DISCHARGE.--47 years, 289 ft³/s, 22.30 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 22,000 ft³/s Feb. 25, 1961, gage height, 16.13 ft; maximum gage height, 16.65 ft Mar. 16, 1938; minimum discharge, 38 ft³/s Sept. 2, 3, 1954.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since 1900, 26.6 ft, present site and datum, March 1929, from information by local residents (discharge not determined).

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

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Feb. 28	0300	2,690	10.70	May 3	1900	*4,960	*12.02

Minimum discharge, 93 ft³/s Sept. 30.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	137	143	315	384	283	545	306	590	232	180	291	167
2	134	144	256	335	278	412	297	350	221	181	1010	154
3	130	143	257	314	294	376	547	2660	213	183	1660	149
4	130	143	523	297	384	360	731	2270	205	161	969	147
5	134	163	530	282	402	447	596	884	198	164	621	150
6	136	180	472	273	331	1420	453	536	192	160	410	145
7	132	165	473	264	279	1130	352	394	188	155	282	133
8	130	158	355	255	268	717	356	386	186	253	255	123
9	131	157	279	249	267	506	667	410	180	265	230	119
10	135	157	255	508	265	420	748	330	176	188	251	118
11	146	152	402	676	261	388	516	287	172	159	290	118
12	163	148	615	560	269	370	385	267	168	151	408	129
13	275	149	515	369	362	361	353	256	194	191	374	130
14	393	153	344	303	390	350	331	246	216	259	278	119
15	279	167	285	335	332	332	309	250	190	243	257	114
16	189	204	259	469	277	319	291	254	207	201	235	167
17	171	198	246	484	275	306	286	228	282	173	213	159
18	163	175	240	509	268	295	279	218	287	271	197	123
19	160	167	237	661	255	289	270	214	206	260	183	117
20	155	495	234	655	250	594	270	209	182	209	171	115
21	151	629	230	507	249	705	264	242	169	174	168	110
22	153	460	232	377	258	518	259	780	167	158	167	106
23	164	254	304	346	280	356	326	1170	273	144	160	103
24	182	552	405	406	273	436	359	672	388	135	156	102
25	174	850	267	532	246	832	265	370	277	140	154	102
26	162	614	226	517	235	1070	237	295	202	140	229	100
27	154	348	234	460	1410	616	230	300	171	138	467	98
28	148	456	605	397	2050	463	262	333	160	130	526	95
29	144	567	1040	355	944	389	562	382	157	180	251	94
30	143	511	884	322	---	344	1040	292	166	285	201	94
31	142	---	563	300	---	320	---	248	---	281	182	---
TOTAL	5140	8802	12082	12701	11935	15986	12147	16323	6225	5912	11246	3700
MEAN	166	293	390	410	412	516	405	527	208	191	363	123
MAX	393	850	1040	676	2050	1420	1040	2660	388	285	1660	167
MIN	130	143	226	249	235	289	230	209	157	130	154	94
CFSM	.94	1.66	2.22	2.33	2.34	2.93	2.30	2.99	1.18	1.09	2.06	.70
IN.	1.09	1.86	2.55	2.68	2.52	3.38	2.57	3.45	1.32	1.25	2.38	.78

CAL YR 1983	TOTAL	150052	MEAN	411	MAX	3540	MIN	130	CFSM	2.34	IN.	31.72
WTR YR 1984	TOTAL	122199	MEAN	334	MAX	2660	MIN	94	CFSM	1.90	IN.	25.83

ESCAMBIA RIVER BASIN

47

02375500 ESCAMBIA RIVER NEAR CENTURY, FL
(National stream-quality accounting network station)

LOCATION.--Lat 30°57'54", long 87°14'03", in NW¼ sec. 10, T. 5 N., R. 30 W., Santa Rosa County, Hydrologic Unit 03140305, on left bank 16 ft downstream from bridge on State Highway 4, 1.2 mi downstream from Escambia Creek, 1.7 mi east of Century, and 52 mi upstream from mouth.

DRAINAGE AREA.--3,817 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1934 to current year.

REVISED RECORDS.-- WSP 1384: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 28.34 ft National Geodetic Vertical Datum of 1929 (Florida Department of Transportation bench mark). Prior to Jan. 13, 1940, nonrecording gage at same site and datum.

REMARKS.--Water-discharge records fair. Some gage-height fluctuation during periods of low flow are attributed to regulation by power plants at Point-A Dam, 85.4 mi and Gnat Dam, 90.1 mi upstream from the gaging station. Due to lagging intakes, nonrecording gage was used in conjunction with recording gage to determine mean gage heights.

AVERAGE DISCHARGE.--50 years, 6,359 ft³/s, 22.62 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 92,300 ft³/s Apr. 12, 1975, gage height, 23.32 ft; minimum, 578 ft³/s Oct. 23, 1968; minimum gage height, 1.30 ft Sept. 15, Oct. 20, 21, 1954.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since 1850, 37.8 ft, March 1929, present datum, discharge not determined, from information by Corps of Engineers, Mobile District.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 37,000 ft³/s May 24, gage height, 18.20 ft; minimum, 1,260 ft³/s Sept. 30, gage height, 3.39 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2080	1450	7980	17800	7550	19700	8790	5940	4200	2050	3930	2680
2	1860	1440	7020	15900	7200	18900	7280	5730	3920	2310	10400	2380
3	1780	1410	6130	13200	6570	16500	8790	5080	3670	2640	23200	2250
4	1960	1410	6350	11300	6790	13400	14000	6900	3380	2390	29500	2160
5	1960	1430	7620	9750	6650	11900	15000	17200	3140	2120	25800	2400
6	1790	1530	7450	8060	5890	16800	14000	21700	2940	1990	20700	2230
7	1710	1500	7660	6840	5660	22000	12500	16800	2720	2040	16200	2030
8	1580	1550	7590	5920	5240	25500	10600	9360	2530	2430	11800	1900
9	1820	1450	6450	5290	5290	25400	10800	6450	2440	2720	8570	1790
10	1730	1520	5660	5730	5440	22500	12900	5870	2400	2550	6000	1720
11	1790	1480	7760	8370	5390	20600	12800	5420	2260	2210	5170	1680
12	1750	1530	16800	9070	5320	17000	11000	4910	2170	2120	5320	1840
13	2200	1470	16500	8290	5830	14000	8880	4390	2290	2910	6210	1890
14	2380	1480	13600	7140	7020	11300	7480	3960	2430	3150	6870	1720
15	2620	1520	11100	6510	8220	8790	6450	3760	2600	3670	6210	1790
16	2180	1610	9320	6500	8930	7270	5730	3780	2300	4350	5720	1670
17	1850	1730	8060	7480	7200	6480	5290	3310	2260	5290	5300	1780
18	1760	1680	7200	7900	5470	5960	4840	3100	2700	4590	4800	1740
19	1640	1650	6600	9130	5830	5610	4620	2660	2870	5600	4310	1670
20	1920	2360	6010	11000	5830	6900	4510	2330	2340	6660	3700	1670
21	2580	3710	5450	11700	5760	10200	4230	3460	2350	4870	3290	1580
22	2050	4790	5080	11500	5450	10600	4230	14000	2230	3430	3150	1500
23	1810	4040	4790	10300	4910	8980	4990	33100	2070	2800	2780	1440
24	1740	4790	4790	10800	4000	7690	6250	36100	2300	2500	2870	1420
25	1800	7690	5040	15100	3500	7410	5330	20000	3220	2330	3010	1380
26	1770	8720	4950	17500	3810	10900	5120	9870	2720	2240	2950	1330
27	1790	7550	4790	17700	5980	14300	4710	6150	2290	2200	3490	1340
28	1580	7080	6350	16500	13100	15200	4000	6100	2170	2010	3800	1330
29	1510	8630	13500	14500	17900	15100	3960	6050	2000	2180	3640	1330
30	1490	8720	17400	11300	---	12800	5290	5310	2050	2970	3190	1260
31	1480	---	18700	9230	---	10400	---	4750	---	4190	2870	---
TOTAL	57960	96920	263700	327310	191730	420090	234370	283540	78960	95510	244750	52900
MEAN	1870	3231	8506	10560	6611	13550	7812	9146	2632	3081	7895	1763
MAX	2620	8720	18700	17800	17900	25500	15000	36100	4200	6660	29500	2680
MIN	1480	1410	4790	5290	3500	5610	3960	2330	2000	1990	2780	1260
CFSM	.49	.85	2.23	2.77	1.73	3.55	2.05	2.40	.69	.81	2.07	.46
IN.	.56	.94	2.57	3.19	1.87	4.09	2.28	2.76	.77	.93	2.39	.52

CAL YR 1983 TOTAL 3395420 MEAN 9303 MAX 44600 MIN 1410 CFSM 2.44 IN 33.09
WTR YR 1984 TOTAL 2347740 MEAN 6415 MAX 36100 MIN 1260 CFSM 1.68 IN 22.88

ESCAMBIA RIVER BASIN

02375500 ESCAMBIA RIVER NEAR CENTURY, FL--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--January 1952 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED SATUR- ATION	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)
DEC 06...	0930	7320	65	7.3	16.0	25	8.2	84	>400	>570	19	2
FEB 15...	1300	8070	73	7.4	13.0	25	9.7	92	380	450	23	4
APR 06...	1440	14000	55	7.2	17.0	20	8.6	89	130	130	18	2
MAY 17...	1005	3280	99	7.4	22.5	15	6.9	79	K24	>1	30	2
AUG 21...	1122	2860	101	7.1	23.5	13	6.7	79	70	K32	29	2

DATE	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LINITY LAB (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)
DEC 06...	6.3	0.86	3.6	27	0.4	1.2	17	1.6	6.2	5.8	<.10	7.1
FEB 15...	7.5	.93	3.7	26	.4	.70	19	1.5	4.4	5.4	<.10	7.1
APR 06...	5.8	.78	3.0	26	.3	.90	16	2.0	3.9	4.1	<.10	6.4
MAY 17...	10	1.1	5.7	29	.5	.90	28	2.2	5.7	7.8	<.10	7.5
AUG 21...	9.8	1.0	6.2	31	.5	1.0	27	4.2	9.4	7.5	<.10	8.3

DATE	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, NO2+NO3 DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)
DEC 06...	51	41	0.07	1010	<.10	<.010	0.50	0.040	0.010
FEB 15...	48	41	.07	1050	.20	.030	.40	.040	<.010
APR 06...	35	35	.05	1320	.13	.080	.50	.010	<.010
MAY 17...	70	56	.10	620	.27	.040	2.0	.030	<.010
AUG 21...	84	60	.10	649	.21	.040	.50	.020	<.010

DATE	PHOS- PHORUS, ORTHO, DIS- SOLVED (MG/L AS P)	ALUM- INUM, DIS- SOLVED (UG/L AS AL)	ARSENIC DIS- SOLVED (UG/L AS AS)	BARIUM, DIS- SOLVED (UG/L AS BA)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	COBALT, DIS- SOLVED (UG/L AS CO)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, DIS- SOLVED (UG/L AS FE)
DEC 06...	<.010	10	1	30	<.5	<1	<1	<3	1	63
FEB 15...	<.010	--	--	--	--	--	--	--	--	--
APR 06...	<.010	40	1	21	<1.0	<1	<1	<3	1	99
MAY 17...	<.010	10	<1	29	<1.0	<1	<1	<3	2	73
AUG 21...	.010	40	1	29	<.0	1	1	<3	2	430

ESCAMBIA RIVER BASIN

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02375500 ESCAMBIA RIVER NEAR CENTURY, FL--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	LEAD, DIS- SOLVED (UG/L AS PB)	LITHIUM DIS- SOLVED (UG/L AS LI)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MERCURY DIS- SOLVED (UG/L AS HG)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO)	NICKEL, DIS- SOLVED (UG/L AS NI)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	SILVER, DIS- SOLVED (UG/L AS AG)	STRON- TIUM, DIS- SOLVED (UG/L AS SR)	VANA- DIUM, DIS- SOLVED (UG/L AS V)	ZINC, DIS- SOLVED (UG/L AS ZN)
DEC 06...	1	<4	16	<.1	<10	1	<1	<1	23	<6	5
FEB 15...	--	--	--	--	--	--	--	--	--	--	--
APR 06...	1	<4	9	<.1	<10	1	<1	<1	24	<6	8
MAY 17...	<1	6	49	<.1	<10	2	<1	<1	38	<6	8
AUG 21...	3	<4	47	<.1	<10	3	<1	1	36	<6	4

DATE	SEDI- MENT, DIS- SOLVED (MG/L)	SEDI- MENT, DIS- SOLVED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
DEC 06...	57	1130	42
FEB 15...	67	1460	52
APR 06...	52	1970	48
MAY 17...	26	230	73
AUG 21...	23	178	70

PERDIDO RIVER BASIN

02376500 PERDIDO RIVER AT BARRINEAU PARK, FL
(National stream-quality accounting network station)

LOCATION.--Lat 30°41'25", long 87°26'25", in NW¼ sec. 23, T. 4 S., R. 6 E., Baldwin County, Ala., Hydrologic Unit 03140106, on right bank 25 ft downstream from bridge on county road, 1,000 ft downstream from Alligator Creek, 0.5 mi southwest of Barrineau Park, and 27 mi upstream from mouth.

DRAINAGE AREA.--394 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--June 1941 to current year.

REVISED RECORDS.--WSP 1384: Drainage area. WDR FL-76-4: 1973-75 (M).

GAGE.--Water-stage recorder. Datum of gage is 25.77 ft National Geodetic Vertical Datum of 1929. Prior to Aug. 22, 1949, nonrecording gage at same site and datum.

REMARKS.--Water-discharge records good.

AVERAGE DISCHARGE.--43 years, 768 ft³/s 26.47 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 39,000 ft³/s Apr. 15, 1955, gage height, 23.94 ft, from rating curve extended above 11,400 ft³/s, based on slope-area study made in 1955; minimum, 188 ftE/s Oct. 12-18, 1973; minimum gage height, 1.24 ft Oct. 1-6, 15-17, 20-25, 28-31, Nov. 1-3, 1968.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Mar. 15, 1929, reached a stage of 25.7 ft present datum, from information by local resident (discharge not determined).

EXTREMES FOR CURRENT YEAR.--Peak discharge above base of 4,000 ft³/s and maximum (*):

Date	Time	Discharge (ftE/s)	Gage height (ft)	Date	Time	Discharge (ftE/s)	Gage height (ft)
Dec. 13	2100	5,470	12.58	Apr. 4	0400	4,510	11.41
Mar. 6	1700	4,100	10.80	Aug. 4	0900	*8,670	*15.16
Mar. 29	0900	4,950	12.02	June 30	0200	4,400	11.24

Minimum discharge, 285 ft³/s Sept. 30; minimum gage height, 1.84 ft Oct. 8, 9.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	319	321	1120	2010	691	1850	485	391	429	315	956	403
2	315	319	817	1230	637	1200	471	385	391	305	4580	397
3	313	315	605	875	641	807	2480	389	375	297	7740	411
4	313	315	723	732	921	680	4000	445	359	313	8400	405
5	313	345	871	664	975	854	2540	461	347	307	5770	401
6	311	351	927	619	991	3500	1700	429	339	299	3660	381
7	307	339	1050	587	1020	3840	1140	401	333	347	2690	365
8	305	331	917	556	807	3670	820	389	327	349	1660	351
9	303	329	840	535	667	2460	959	415	321	359	1090	341
10	311	327	723	798	609	1370	1090	440	317	341	785	337
11	514	321	1680	1290	573	956	1120	409	311	307	652	349
12	491	319	3610	1320	574	788	1100	377	313	301	692	355
13	913	317	4670	1250	778	744	851	359	395	325	931	347
14	827	321	4430	1020	816	723	680	347	379	359	788	331
15	566	331	2450	778	757	683	593	341	355	339	910	327
16	471	373	1300	724	731	649	535	337	357	363	741	345
17	381	369	977	752	724	610	505	337	379	429	634	333
18	363	353	801	782	663	575	485	329	401	616	578	323
19	349	343	692	1040	615	553	471	319	468	804	541	319
20	339	791	625	1010	574	1640	461	315	417	868	569	317
21	331	1150	587	912	576	1930	452	335	508	698	766	311
22	331	738	602	831	602	1490	445	569	436	532	566	307
23	468	602	686	714	551	1400	461	1730	373	411	520	305
24	438	934	652	1290	548	1020	464	2560	351	355	464	303
25	383	1550	605	2260	520	763	445	3500	345	399	610	299
26	361	1130	559	2040	498	664	429	2070	329	395	680	297
27	347	977	535	1860	2230	622	422	899	311	357	503	293
28	335	1060	1070	1660	2350	599	415	622	307	339	701	289
29	329	1160	1970	1230	1790	566	409	599	311	369	566	287
30	325	1130	2330	943	---	529	401	578	319	403	452	285
31	321	---	2600	782	---	503	---	485	---	447	422	---
TOTAL	12293	17561	42024	33094	24429	38238	26829	21562	10903	12648	50617	10114
MEAN	397	585	1356	1068	842	1233	894	696	363	408	1633	337
MAX	913	1550	4670	2260	2350	3840	4000	3500	508	868	8400	411
MIN	303	315	535	535	498	503	401	315	307	297	422	285
CFSM	1.01	1.49	3.44	2.71	2.14	3.13	2.27	1.77	.92	1.04	4.15	.86
IN.	1.16	1.66	3.97	3.12	2.31	3.61	2.53	2.04	1.03	1.19	4.78	.95

CAL YR 1983 TOTAL 414623 MEAN 1136 MAX 20100 MIN 303 CFSM 2.88 IN 39.15
WTR YR 1984 TOTAL 300312 MEAN 821 MAX 8400 MIN 285 CFSM 2.08 IN 28.35

PERDIDO RIVER BASIN

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02376500 PERDIDO RIVER AT BARRINEAU PARK, FL--Continued

WATER-QUALITY RECORDS

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

REMARKS.--Miscellaneous samples of chemical data published for water years 1967 and 1969.

COOPERATION.--Water-quality samples were collected by the U.S. Geological Survey and analyzed in part by the Geological Survey of Alabama and the U.S. Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED SATUR- ATION	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 CACO3)
DEC 02...	1010	820	31	5.0	12.5	6.2	6.4	60	70	50	5	3
FEB 14...	1510	816	24	5.5	14.0	5.3	9.2	89	190	38	4	1
APR 06...	1930	1530	23	5.1	16.5	9.7	7.8	80	76	37	4	2
MAY 18...	0815	329	23	6.1	19.0	4.9	8.2	88	K17	59	4	0
AUG 21...	1425	710	24	5.1	24.0	5.0	7.1	85	190	200	5	3

DATE	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LINITY LAB (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)
DEC 02...	0.98	0.71	2.0	42	0.4	0.50	2.0	39	6.0	4.3	<.10	7.5
FEB 14...	.77	.60	1.9	46	.4	.30	3.0	18	2.3	3.6	<.10	6.0
APR 06...	.79	.45	1.6	45	.4	.40	2.0	31	2.7	3.0	<.10	5.1
MAY 18...	.70	.51	2.0	51	.5	.30	3.0	4.6	1.0	4.7	<.10	6.7
AUG 21...	.92	.54	1.7	42	.4	.40	2.0	31	4.8	3.5	<.10	6.8

DATE	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, NO2+NO3 DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)
DEC 02...	30	24	0.04	66	0.130	<.010	0.10	0.020	0.040
FEB 14...	24	17	.03	52	.150	.020	.20	.040	.010
APR 06...	16	16	.02	66	<.100	<.010	.10	.010	.010
MAY 18...	29	18	.04	26	.280	<.010	7.9	.070	.070
AUG 21...	27	20	.04	52	.160	<.010	.60	.030	<.010

DATE	PHOS- PHORUS, ORTHO, DIS- SOLVED (MG/L AS P)	ALUM- INUM, DIS- SOLVED (UG/L AS AL)	ARSENIC DIS- SOLVED (UG/L AS AS)	BARIUM, DIS- SOLVED (UG/L AS BA)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	COBALT, DIS- SOLVED (UG/L AS CO)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, DIS- SOLVED (UG/L AS FE)
DEC 02...	0.020	140	1	40	<.5	<1	<1	<3	1	150
FEB 14...	.030	--	--	--	--	--	--	--	--	--
APR 06...	<.010	160	<1	27	<.5	<1	<1	<3	2	170
MAY 18...	.040	20	<1	19	<1	<1	<1	<3	2	72
AUG 21...	<.010	130	<1	26	<.5	2	1	<3	4	280

PERDIDO RIVER BASIN

02376500 PERDIDO RIVER AT BARRINEAU PARK, FL--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	LEAD, DIS- SOLVED (UG/L AS PB)	LITHIUM DIS- SOLVED (UG/L AS LI)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MERCURY DIS- SOLVED (UG/L AS HG)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO)	NICKEL, DIS- SOLVED (UG/L AS NI)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	SILVER, DIS- SOLVED (UG/L AS AG)	STRON- TIUM, DIS- SOLVED (UG/L AS SR)	VANA- DIUM, DIS- SOLVED (UG/L AS V)	ZINC, DIS- SOLVED (UG/L AS ZN)
DEC 02...	1	4	75	<.1	<10	1	<1	<1	9	<6	14
APR 06...	<1	<4	43	<.1	<10	1	<1	<1	7	<6	7
MAY 18...	4	7	14	<.1	<10	3	<1	<1	7	<6	20
AUG 21...	3	6	41	<.1	<10	1	<1	1	7	<6	31

DATE	SEDI- MENT, DIS- SUS- PENDE (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
DEC 02...	43	95	14
FEB 14...	10	31	50
APR 06...	20	83	45
MAY 18...	9	4.3	67
AUG 21...	15	31	53

02397000 COOSA RIVER NEAR ROME, GA.

LOCATION.--Lat 34°12'01", long 85°15'24", Floyd County, Hydrologic Unit 03150105, on left bank attached to shoreward side of lock wall of Mayos Bar lock near upstream end, 1.5 mi upstream from Webb Creek, 6 mi southwest of Rome, 7.5 mi downstream from confluence of Oostanaula and Etowah Rivers, and at mile 278.6.

DRAINAGE AREA.--4,040 mi², approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1896 to December 1903 (published as "at Rome"), June 1928 to December 1931, March 1937 to December 1958, October 1962 to current year. Monthly discharge only for some periods, published as 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, National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Jan. 1, 1897, to Dec. 31, 1903, nonrecording gage at Site 7.5 mi upstream at datum 8.65 ft higher. June 21, 1928, to Dec. 31, 1931, and Mar. 10, 1937, to Dec. 31, 1958, water-stage recorder at site 200 ft downstream at same datum. Water-stage recorder at Fifth Avenue in Rome used as auxiliary gage since 1963.

REMARKS.--Water discharge records good. Flow regulated by Allatoona Reservoir since December 1949 and by Carters Lake and Carters re-regulation Reservoir since November 1974.

AVERAGE DISCHARGE.--50 years (water years 1897-1902, 1929-30, 1938-57, 1963-84), 6,825 ft³/s, 22.94 in/yr, unadjusted.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge 65,000 ft³/s Jan. 22, 1947, gage height, 37.0 ft; minimum daily, 870 ft³/s Oct. 18-22, 1931.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known since at least 1834, 40.3 ft at site and datum at Rome, equivalent to about 43 ft at present site, from gage-height relation, Apr. 1, 1886, discharge, 100,000 ft³/s, from rating curve extended above 63,000 ft³/s on basis of peak flow at Gadsden, Ala.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 33,000 ft³/s Dec. 7, gage height, 26.99 ft; minimum daily, 1,190 ft³/s Oct. 3.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2510	2180	16100	22100	10500	19100	16300	13700	9920	5150	30000	6390
2	1280	2250	11500	17300	9520	17400	12000	12100	8990	3880	25600	5310
3	1190	2250	17400	12500	9330	13400	15100	20900	4590	5840	18600	2630
4	2200	2380	29600	11300	8400	7650	17600	30500	4400	6240	17700	5300
5	2420	2400	29800	10900	4800	7480	24300	28900	7060	6380	17900	5210
6	2600	1390	28400	10600	4640	10000	24400	26700	7050	6370	16500	5070
7	2220	1330	32600	9970	5480	9880	21300	26800	7150	7310	14900	4930
8	2530	2320	28900	8020	5340	9570	16200	30300	6940	6570	14300	4810
9	1410	2340	24500	7930	5260	9490	11400	30600	6810	6530	13500	2200
10	1240	2340	18000	10500	5290	8610	12300	28500	3650	7760	12100	2090
11	2630	2330	16800	17100	5450	5750	13000	24800	3180	6740	9530	3800
12	3240	2330	20200	17800	4300	5310	11700	21500	5100	6500	4330	4660
13	5160	1270	22200	15500	7600	6130	10100	19200	5220	6580	3810	5060
14	3450	1220	21500	11600	16500	6080	8920	15000	5400	6450	6420	5380
15	3540	3030	19300	7160	17800	5970	6250	13900	5790	3630	7270	6020
16	2120	4420	17100	7000	17100	6000	5950	13800	5550	3220	7360	2800
17	1810	4950	15700	9880	15600	6420	7750	13700	3250	5690	7370	2140
18	2200	4720	14300	11300	11300	5800	7790	12900	3150	8510	6820	2130
19	2240	4410	13100	15200	8040	5660	7800	10900	4480	9300	2910	1900
20	2170	2470	12500	15300	7830	6390	9070	5690	5600	8820	2690	1850
21	2030	4120	10900	12400	10100	15200	12400	5720	4130	7190	3840	2330
22	1400	5940	10600	6890	9880	20600	7990	9880	3630	3960	3820	2320
23	1330	6110	10400	6660	10800	19700	7250	9850	2920	3770	3810	1850
24	1320	15400	10000	13800	12700	16700	8570	9500	3010	6050	3780	1860
25	1830	18200	9800	20200	13200	9490	9690	9270	3240	6710	4930	3510
26	1410	13900	7760	20700	9400	8980	9410	8630	3060	5950	2340	3570
27	1810	8190	9820	19100	10600	11200	10200	5600	4130	7240	2520	3520
28	1580	13000	20200	14400	17500	14600	11000	6390	3980	9590	5470	2900
29	1730	21400	29000	8370	19000	23600	12600	9990	4580	7800	5130	3500
30	1270	18800	26500	8190	---	23500	13000	12600	5450	15700	7600	1800
31	1200	---	23400	10800	---	21600	---	10400	---	27700	7300	---
TOTAL	65070	177390	577880	390470	293260	357260	361340	498220	151410	229130	290150	106840
MEAN	2099	5913	18640	12600	10110	11520	12040	16070	5047	7391	9360	3561
MAX	5160	21400	32600	22100	19000	23600	24400	30600	9920	27700	30000	6390
MIN	1190	1220	7760	6660	4300	5310	5950	5600	2920	3220	2340	1800

CAL YR 1983 TOTAL 2865730 MEAN 7851 MAX 32600 MIN 1190 MEAN+ 7971 CFSM+ 1.97 IN+ 26.78
WTR YR 1984 TOTAL 3498420 MEAN 9559 MAX 32600 MIN 1190 MEAN+ 9589 CFSM+ 2.37 IN+ 32.31

† ADJUSTED FOR CHANGE IN CONTENTS IN CARTERS LAKE, CARTERS RE-REGULATION DAM, AND ALLATOONA RESERVOIR.

MOBILE RIVER BASIN

02397000 COOSA RIVER NEAR ROME, GA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12.17	12.07	17.90	20.81	15.30	19.26	17.79	16.48	15.04	13.19	25.83	13.86
2	11.34	12.13	15.71	18.39	14.97	18.34	15.69	15.86	14.69	12.70	23.49	13.46
3	11.27	12.13	18.56	16.07	14.90	16.46	17.12	20.07	13.05	13.44	19.67	12.37
4	12.00	12.19	24.67	15.61	14.54	14.26	18.49	25.55	12.96	13.59	18.92	13.46
5	12.13	12.21	25.18	15.46	13.20	14.18	21.76	24.86	13.97	13.64	18.99	13.43
6	12.21	11.54	24.35	15.36	13.14	15.15	22.07	23.16	13.96	13.64	18.27	13.38
7	12.01	11.48	26.65	15.11	13.46	15.10	20.59	23.31	13.99	13.98	17.38	13.32
8	12.19	12.18	24.85	14.40	13.41	14.98	17.89	25.38	13.91	13.70	16.97	13.27
9	11.46	12.19	22.33	14.36	13.37	14.96	15.65	25.82	13.86	13.69	16.51	12.13
10	11.31	12.20	18.94	15.33	13.39	14.62	15.94	24.59	12.66	14.16	15.86	12.07
11	12.19	12.19	18.32	18.22	13.45	13.56	16.19	22.44	12.48	13.77	14.96	12.85
12	12.51	12.18	19.86	18.57	13.00	13.39	15.72	20.70	13.20	13.68	13.04	13.18
13	13.30	11.43	20.76	17.43	14.23	13.69	15.16	19.59	13.24	13.71	12.84	13.31
14	12.74	11.39	20.54	15.71	17.74	13.68	14.74	17.49	13.31	13.66	13.82	13.42
15	12.79	12.56	19.50	14.07	18.51	13.64	13.74	16.75	13.45	12.60	14.16	13.65
16	12.07	13.15	18.36	14.02	18.14	13.66	13.63	16.60	13.36	12.44	14.19	12.37
17	11.87	13.33	17.63	15.10	17.28	13.81	14.30	16.47	12.48	13.37	14.19	11.99
18	12.12	13.24	16.78	15.60	15.39	13.58	14.32	16.18	12.43	14.44	13.98	11.99
19	12.14	13.11	16.25	17.10	14.11	13.53	14.32	15.44	12.94	14.73	12.48	11.83
20	12.10	12.25	16.00	17.30	13.97	13.80	14.79	13.52	13.36	14.55	12.37	11.80
21	12.01	12.99	15.45	16.05	14.82	17.21	15.99	13.52	12.80	13.94	12.85	12.10
22	11.55	13.66	15.35	13.97	14.74	19.87	14.39	15.06	12.61	12.73	12.86	12.10
23	11.48	13.71	15.29	13.89	15.07	19.66	14.10	15.04	12.32	12.66	12.85	11.80
24	11.47	17.34	15.13	16.58	15.76	18.14	14.61	14.91	12.35	13.51	12.84	11.81
25	11.86	18.81	15.06	19.70	15.93	14.96	15.03	14.82	12.44	13.76	13.28	12.60
26	11.56	16.59	14.30	20.06	14.57	14.76	14.92	14.59	12.38	13.48	12.18	12.69
27	11.85	14.47	15.07	19.26	15.25	15.56	15.20	13.45	12.79	13.96	12.28	12.66
28	11.68	16.33	19.71	17.00	18.42	16.85	15.48	13.74	12.73	14.84	13.50	12.40
29	11.79	20.21	24.37	14.54	19.17	21.28	16.05	15.08	12.96	14.17	13.39	12.66
30	11.43	19.22	23.06	14.46	---	21.50	16.22	16.03	13.30	17.94	14.31	11.77
31	11.37	---	21.46	15.41	---	20.65	---	15.22	---	24.13	14.20	---
MEAN	11.93	13.62	19.27	16.29	15.15	15.94	16.06	18.12	13.17	14.12	15.24	12.66
MAX	13.30	20.21	26.65	20.81	19.17	21.50	22.07	25.82	15.04	24.13	25.83	13.86
MIN	11.27	11.39	14.30	13.89	13.00	13.39	13.63	13.45	12.32	12.44	12.18	11.77
CAL YR 1983	MEAN 14.44		MAX 26.65	MIN 11.27								
WTR YR 1984	MEAN 15.14		MAX 26.65	MIN 11.27								

MOBILE RIVER BASIN

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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 1983 TO SEPTEMBER 1984

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984							OXYGEN, DIS-				
DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	TEMPER- ATURE, AIR (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	SOLVED (PER- CENT SATUR- ATION)			
OCT 25...	1200	2400	140	7.6	16.5	19.0	7.2	75			
NOV 29...	1230	22700	62	7.2	12.0	7.5	9.0	85			
DEC 29...	0930	29500	53	6.9	3.0	-2.0	12.4	94			
JAN 25...	1230	21000	65	7.4	5.5	10.5	11.7	95			
FEB 28...	1500	18300	74	7.2	8.5	2.0	10.4	92			
MAR 28...	0745	13800	67	7.4	11.0	14.5	9.9	93			
APR 23...	1245	7250	105	7.3	14.0	20.0	8.9	89			
MAY 29...	1600	9170	84	7.3	19.5	19.0	7.7	85			
JUN 27...	1130	4920	163	7.7	24.0	32.0	7.4	89			
JUL 25...	0945	8800	110	7.0	24.0	30.0	7.2	86			
AUG 30...	1045	8430	100	7.3	22.5	30.0	7.5	87			
SEP 26...	1100	4600	100	7.5	23.0	30.0	7.3	86			
DATE	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	HARD- NESS (MG/L AS CACO3)	HARD- NESS, NONCAR- BONATE (MG/L CACO3)	ALKA- LINITY LAB (MG/L AS CACO3)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2)	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...	7.0	.9	140	62	7	55	2.7	0.37	0.110	0.290	4.0
NOV 29...	65	2.2	--	24	0	24	3.0	.26	.050	.190	4.9
DEC 29...	90	4.2	790	22	2	20	4.9	.24	.160	.260	6.1
JAN 25...	60	1.3	1700	24	0	26	2.0	.45	.090	.080	3.8
FEB 28...	120	2.5	11000	33	4	29	3.6	.30	.070	.240	8.8
MAR 28...	25	1.2	1700	24	0	26	2.0	.32	.060	.090	3.3
APR 23...	35	1.8	790	48	4	44	4.3	.32	.080	.120	4.9
MAY 29...	55	--	2200	36	7	29	2.8	.28	<.020	.130	4.5
JUN 27...	9.0	.7	1500	64	5	59	2.3	.42	.040	.110	2.0
JUL 25...	18	1.0	1300	44	7	37	7.2	.30	.040	.090	2.8
AUG 30...	100	2.0	--	32	1	31	3.0	.37	.050	.180	6.5
SEP 26...	10	1.1	330	36	1	35	2.2	.21	.090	.090	1.7

MOBILE RIVER BASIN

02398000 CHATTOOGA RIVER AT SUMMERVILLE, GA.

LOCATION.--Lat 34°28'03", long 85°20'19", Chattooga County, Hydrologic Unit 03150105, on left bank 600 ft down-stream from bridge on U.S. Highway 27, 1 mi southeast of Summerville, and 4 mi upstream from Raccoon Creek.

DRAINAGE AREA.--192 mi².

WATER-DISCHARGE RECORDS

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

REVISED RECORDS.--WRD GA-80-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 613.47 ft, 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.--Water-discharge records good, except those for periods of no gage-height, Dec. 4-21 and Aug. 31 to Sept. 26, which are poor.

AVERAGE DISCHARGE.--47 years, 365 ft³/s, 25.82 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 24,500 ft³/s Mar. 29, 1951, gage height, 21.0 ft; minimum daily, 38 ft³/s Oct. 17, 1937, Nov. 9, 1939.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 3,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Nov. 28	1800	5,840	14.91	May 3	1900	*7,500	*15.67
Dec. 4	unknown	5,880	14.93	May 8	1500	7,190	15.58
Dec. 29	0100	5,740	14.85	Aug. 1	0200	5,600	14.73
Apr. 4	1600	3,900	13.19				

Minimum daily discharge, 74 ft³/s Oct. 31.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	78	75	486	637	352	640	560	638	255	211	3880	170
2	78	75	381	529	331	554	478	802	243	173	1430	250
3	77	75	2340	465	304	487	807	5580	234	196	936	190
4	80	83	4600	411	291	440	2850	3740	221	176	1020	170
5	82	87	2000	391	278	486	1850	1440	210	173	888	155
6	76	80	3300	364	266	559	1020	961	195	507	804	145
7	77	77	2500	333	247	473	757	807	183	1080	570	140
8	76	76	1300	311	236	426	616	5570	177	711	512	135
9	77	78	900	295	230	392	936	2590	171	374	390	130
10	79	79	700	458	233	370	1070	1240	168	289	369	130
11	78	77	1000	1240	265	359	814	881	164	243	354	170
12	82	76	1200	716	256	346	660	683	160	221	291	140
13	211	77	900	551	597	322	558	561	157	622	260	130
14	123	78	650	462	978	297	486	477	170	425	238	125
15	83	188	550	407	638	286	431	412	276	283	224	120
16	77	160	450	385	508	289	393	372	177	243	220	118
17	77	110	400	352	442	297	367	346	167	252	409	115
18	78	96	350	510	385	294	344	326	157	387	229	112
19	79	88	300	598	350	288	327	322	153	245	211	110
20	82	228	280	450	327	355	341	303	156	208	198	110
21	81	236	280	400	309	673	333	300	185	195	183	108
22	80	146	456	360	302	487	343	299	238	186	176	106
23	97	217	465	343	364	408	489	275	315	192	174	104
24	95	1720	384	1310	338	368	380	260	202	174	168	102
25	84	503	321	1120	318	362	338	247	182	168	163	102
26	81	312	294	805	307	336	313	269	169	165	159	105
27	78	516	287	654	1300	330	334	890	159	165	199	104
28	76	4420	2970	543	1290	960	694	369	153	167	173	109
29	75	1940	3380	470	815	1610	1000	378	158	370	223	106
30	76	725	1250	414	---	933	719	304	174	603	186	106
31	74	---	810	369	---	701	---	272	---	2890	172	---
TOTAL	2647	12698	35484	16653	12857	15128	20608	31914	5729	12294	15409	3917
MEAN	85.4	423	1145	537	443	488	687	1029	191	397	497	131
MAX	211	4420	4600	1310	1300	1610	2850	5580	315	2890	3880	250
MIN	74	75	280	295	230	286	313	247	153	165	159	102
CFSM	.44	2.19	5.93	2.78	2.30	2.53	3.56	5.33	.99	2.06	2.58	.68
IN.	.51	2.45	6.84	3.21	2.48	2.92	3.97	6.15	1.10	2.37	2.97	.75
CAL YR 1983	TOTAL	157856	MEAN	432	MAX	4600	MIN	74	CFSM	2.24	IN	30.43
WTR YR 1984	TOTAL	185338	MEAN	506	MAX	5580	MIN	74	CFSM	2.62	IN	35.72

MOBILE RIVER BASIN

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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 1983 TO SEPTEMBER 1984

									OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)		
DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	TEMPER- ATURE, AIR (DEG C)	OXYGEN, DIS- SOLVED (MG/L)				
OCT 25...	1345	83	460	8.0	15.5	18.0	7.1	73			
NOV 29...	1415	1290	110	7.5	11.0	11.5	9.9	92			
DEC 28...	1630	4310	60	7.1	1.5	5.5	13.0	96			
JAN 25...	0915	1160	125	7.7	7.0	7.5	11.4	96			
FEB 28...	1630	1080	130	7.6	9.0	.0	9.7	87			
MAR 27...	1710	336	230	7.9	13.5	19.0	9.3	92			
APR 23....	1445	456	185	7.7	15.0	15.0	9.4	97			
MAY 29...	1745	346	230	7.7	18.0	17.0	7.7	82			
JUN 26...	1200	168	360	7.6	21.0	32.0	4.4	50			
JUL 25...	0645	168	340	7.4	21.5	22.0	5.8	67			
AUG 30...	0830	201	350	7.8	20.0	24.0	7.3	81			
SEP 26...	0745	105	470	8.0	19.0	17.0	7.5	82			
DATE	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, EC BROTH (MPN)	HARD- NESS (MG/L AS CACO3)	HARD- NESS, NONCAR- BONATE (MG/L CACO3)	ALKA- LINITY LAB (MG/L AS CACO3)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2)	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...	4.0	1.0	130	110	0	166	3.2	0.56	0.060	0.240	4.4
NOV 29...	30	1.6	--	50	5	45	2.8	.35	.090	.120	4.3
DEC 28...	120	6.2	3100	24	4	20	3.1	.21	.100	.360	7.3
JAN 25...	35	1.4	1300	50	1	49	1.9	.43	.070	.040	3.0
FEB 28...	30	2.5	1300	52	0	52	2.6	.38	.200	.070	3.7
MAR 27...	8.0	2.0	220	90	0	91	2.2	.41	.340	.080	3.3
APR 23....	22	1.6	790	88	6	82	3.2	.38	.020	.060	3.7
MAY 29...	21	--	1300	82	0	83	3.2	.64	.200	.060	3.8
JUN 26...	15	4.7	1700	98	0	115	5.6	1.2	.660	.110	6.0
JUL 25...	14	1.9	230	100	0	118	9.2	.72	.190	.110	2.7
AUG 30...	10	.7	--	110	0	125	3.9	.56	.060	.070	2.3
SEP 26...	6.0	1.2	110	120	0	162	3.2	.49	.120	.270	<1.0

MOBILE RIVER BASIN

02398195 MILLS CREEK NEAR CHESTERFIELD, AL

LOCATION.--Lat 34°26'48", long 85°30'00", in NE&SW&NE& sec. 8, T. 7 S., R. 11 E., Cherokee County, Hydrologic Unit 03150105, on upstream side of culvert near the left bank on county road, 1.3 mi east of Chesterfield, 2.8 mi southwest of Menlo, Georgia, 4.5 mi northeast of Jamestown, and 17.8 mi above mouth.

DRAINAGE AREA.--9.53 mi².

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

GAGE.--Water-stage recorder. Altitude of gage is 720 ft, from topographic map.

REMARKS.--Records good. Records of specific conductance and water temperature for the water year 1984 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--6 years, 22.2 ft³/s, 31.63 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge 1,270 ft³/s Mar. 4, 1979, gage height, 10.53 ft; minimum discharge, 1.2 ft³/s Sept. 30, 1983.

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

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Nov. 28	0300	*639	*8.45	May 3	0100	497	7.81
Dec. 28	0800	509	7.87	May 3	0815	412	7.36
Apr. 4	0645	499	7.82	July 31	2030	507	7.86

Minimum discharge, 1.3 ft³/s Oct. 1, 4, 5, 7.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.4	1.9	38	37	23	28	35	42	11	5.0	283	7.1
2	1.4	1.8	41	33	22	26	28	81	9.8	5.0	124	6.6
3	1.4	1.8	277	30	21	25	50	280	9.1	5.0	80	6.5
4	1.4	2.2	160	28	21	24	177	88	8.4	5.0	59	5.9
5	1.5	2.1	84	27	20	27	82	55	7.9	7.0	56	5.8
6	1.4	2.1	108	26	19	26	63	44	7.4	6.0	52	5.2
7	1.4	2.1	70	24	18	26	52	47	7.4	19	43	5.0
8	1.5	2.1	55	23	18	25	46	120	7.2	8.5	36	4.8
9	1.5	2.1	46	22	17	24	61	72	7.0	7.9	31	4.3
10	1.5	2.1	42	42	17	24	61	50	6.8	7.3	28	4.2
11	1.6	2.1	65	42	17	23	52	40	6.7	7.0	26	4.0
12	1.7	2.0	53	36	18	23	47	33	6.4	7.0	24	4.0
13	2.1	2.1	45	31	28	22	42	29	6.3	7.0	22	3.7
14	1.7	2.1	49	28	28	21	40	26	6.2	7.0	20	3.6
15	1.7	3.7	43	26	27	20	38	24	6.2	6.6	19	3.3
16	1.7	2.5	39	26	26	21	37	22	6.0	21	17	3.2
17	1.7	2.5	37	24	24	22	35	21	5.8	14	16	3.2
18	1.7	2.2	35	29	23	22	33	20	5.7	12	16	3.0
19	1.7	2.2	33	26	23	21	33	19	5.7	10	14	3.0
20	1.7	5.3	31	25	22	28	34	18	5.5	9.7	14	2.8
21	1.7	3.6	30	24	21	40	32	18	5.3	9.7	13	2.8
22	1.7	3.2	41	23	20	31	33	17	5.4	9.1	12	2.8
23	2.3	17	35	26	20	28	32	16	5.7	8.8	11	2.8
24	1.9	34	32	60	19	24	31	15	5.3	8.1	11	2.7
25	1.9	20	30	45	19	25	30	14	5.3	7.9	10	2.5
26	1.9	16	29	40	18	24	30	14	5.1	7.8	9.7	2.4
27	1.9	71	30	35	50	24	31	14	5.1	7.5	9.3	2.4
28	1.9	255	228	31	34	45	46	13	5.0	25	8.9	2.5
29	2.0	61	85	28	29	100	45	13	5.4	15	8.4	2.6
30	1.9	46	52	26	---	60	44	12	5.1	66	8.2	2.6
31	1.8	---	42	24	---	40	---	11	---	386	7.7	---
TOTAL	52.6	573.8	1985	947	662	919	1400	1288	195.2	727.9	1089.2	115.3
MEAN	1.70	19.1	64.0	30.5	22.8	29.6	46.7	41.5	6.51	23.5	35.1	3.84
MAX	2.3	255	277	60	50	100	177	280	11	386	283	7.1
MIN	1.4	1.8	29	22	17	20	28	11	5.0	5.0	7.7	2.4
CFSM	.18	2.00	6.72	3.20	2.39	3.11	4.90	4.35	.68	2.47	3.68	.40
IN.	.21	2.24	7.75	3.70	2.58	3.59	5.46	5.03	.76	2.84	4.25	.45
CAL YR 1983	TOTAL	8245.5	MEAN	22.6	MAX	277	MIN	1.3	CFSM	2.37	IN.	32.19
WTR YR 1984	TOTAL	9955.0	MEAN	27.2	MAX	386	MIN	1.4	CFSM	2.85	IN.	38.86

MOBILE RIVER BASIN

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02399200 LITTLE RIVER NEAR BLUE POND, AL

LOCATION.--Lat 34°17'16", long 85°35'51", in NW¼ sec. 3, T. 9 S., R. 9 E., Cherokee County, Hydrologic Unit 03150105, on right bank at Canyon Mouth Park, 0.7 mi upstream from county road, 2.5 mi upstream from Wolf Creek, 4.2 mi northeast of Blue Pond, and 7.5 miles upstream from mouth.

DRAINAGE AREA.--199 mi².

PERIOD OF RECORD.--December 1958 to September 1967, October 1967 to September 1970 (flood hydrograph and low-flow partial-record station), October 1970 to current year.

REVISED RECORDS.--WDR AL-83-1: Drainage area.

GAGE.--Water-stage recorder. Dec. 1, 1958, to Aug. 1, 1959, nonrecording gage on highway bridge 0.9 mi downstream, and Aug. 2, 1959, to May 27, 1981, recording gage 0.7 mile downstream.

REMARKS.--Water-discharge records good. Records of specific conductance and water temperature for the water year 1984 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--22 years (water years 1960-67, 1971-84), 512 ft³/s, 34.94 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 32,200 ft³/s Mar. 4, 1966, gage height, 14.45 ft; minimum, 0.2 ft³/s July 20, 21, 22, 1960.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 6,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Nov. 28	0400	*16,400	*10.85	May 3	1035	10,500	9.16
Dec. 3	1215	10,800	9.25	May 8	0710	7,830	8.18
Dec. 28	1605	6,150	7.51	July 31	1305	11,000	9.30

Minimum discharge, 0.89 ft³/s Sept. 11, 12.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1	2.9	12	1140	929	348	1200	1000	1180	126	15	5480	5.1	
2	2.9	12	889	742	306	885	720	1550	97	78	2860	5.1	
3	2.8	12	8380	616	283	603	1300	7810	77	145	1850	4.3	
4	2.8	17	6490	526	269	487	3020	3510	62	80	2400	3.2	
5	2.7	38	2650	475	234	648	2040	1990	52	55	1550	2.6	
6	2.6	34	3300	425	205	910	1330	1430	44	322	1080	2.2	
7	2.5	29	2300	371	177	766	969	1120	39	311	728	1.8	
8	2.3	26	1590	324	166	635	755	5350	34	449	471	1.4	
9	2.6	24	1180	296	158	503	1130	2660	30	222	338	1.2	
10	2.9	24	936	874	176	405	1430	1670	25	123	242	1.1	
11	3.6	24	1330	1880	294	341	1180	1200	21	79	190	.95	
12	4.4	24	1750	1250	276	286	925	896	18	55	160	1.2	
13	13	23	1280	942	890	248	745	675	16	46	120	1.9	
14	29	24	1230	742	1470	211	606	508	14	99	89	2.1	
15	20	63	1150	619	1110	178	490	360	14	94	66	2.3	
16	14	128	896	552	822	206	404	270	23	67	51	2.7	
17	12	87	720	479	655	284	364	197	29	113	44	2.7	
18	11	66	598	709	521	302	318	147	21	120	35	2.9	
19	9.9	55	496	913	438	284	326	120	16	96	30	2.8	
20	9.1	449	410	731	380	510	442	102	12	61	27	2.7	
21	8.7	598	358	590	321	1300	492	96	10	45	23	2.5	
22	8.5	287	895	471	274	970	505	110	8.9	35	18	2.3	
23	11	433	1020	435	300	700	653	114	19	27	17	2.1	
24	15	2940	779	1560	281	520	568	91	57	31	13	2.0	
25	19	1390	575	1610	257	550	459	78	40	28	11	1.8	
26	19	807	453	1160	221	580	379	69	27	24	8.3	1.7	
27	17	1750	399	924	600	520	524	285	20	19	6.7	1.6	
28	15	10500	4140	738	800	1000	913	208	15	38	5.7	1.4	
29	14	2780	3510	610	1600	2700	1610	300	20	250	5.1	1.3	
30	13	1640	1870	494	---	3100	1260	251	13	1110	4.4	1.3	
31	13	---	1250	405	---	1800	---	172	---	7640	4.2	---	
TOTAL	306.2	24296	53964	23392	13832	23632	26857	34519	999.9	11877	17927.4	68.25	
MEAN	9.88	810	1741	755	477	762	895	1114	33.3	383	578	2.27	
MAX	29	10500	8380	1880	1600	3100	3020	7810	126	7640	5480	5.1	
MIN	2.3	12	358	296	158	178	318	69	8.9	15	4.2	.95	
CFSM	.05	4.07	8.75	3.79	2.40	3.83	4.50	5.60	.17	1.92	2.90	.01	
IN.	.06	4.54	10.09	4.37	2.59	4.42	5.02	6.45	.19	2.22	3.35	.01	
CAL YR 1983	TOTAL	213965.3		MEAN	586	MAX	10500	MIN	2.3	CFSM	2.94	IN.	40.00
WTR YR 1984	TOTAL	231670.75		MEAN	633	MAX	10500	MIN	.95	CFSM	3.18	IN.	43.31

MOBILE RIVER BASIN

02400100 TERRAPIN CREEK AT ELLISVILLE, AL

LOCATION.--Lat 39°03'54", long 85°36'51", in SW¼ sec. 20, T. 11 S., R. 10 E., Cherokee County, Hydrologic Unit 03150105, on right bank 40 ft downstream from bridge on State Highway 9, 0.2 mi southwest of Ellissville, and 6.7 miles above mouth.

DRAINAGE AREA.--252 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1962 to September 1967, October 1967 to September 1972 (annual maximum only), October 1972 to September 1979 (flood hydrograph only), October 1980 to current year.

REVISED RECORDS.--WDR AL-83-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 539.07 ft National Geodetic Vertical Datum of 1929.

REMARKS.--Water-discharge records good.

AVERAGE DISCHARGE.--9 years (water years 1963-67, 1981-84), 425 ft³/s, 22.90 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 20,100 ft³/s Mar. 4, 1979, gage height, 19.82 ft; minimum discharge, 64 ft³/s Oct. 3-9, 1981.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 4,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec. 4	0300	6,850	15.31	July 31	2215	*7,420	*15.58
Dec. 6	1200	4,210	12.98	Aug. 2	1715	4,140	12.89
Dec. 28	unknown	unknown	unknown				

Minimum discharge, 93 ft³/s Oct. 3, 4, 9.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1	96	101	353	1100	400	626	430	1030	288	236	3430	179	
2	96	99	298	800	410	532	394	963	261	197	3040	167	
3	95	99	3160	600	397	477	911	2590	240	172	2750	161	
4	94	101	4520	500	396	433	1280	2410	228	177	2020	162	
5	99	100	2280	450	367	567	1010	1760	219	188	1860	155	
6	99	101	3240	400	339	800	745	1450	210	174	1510	151	
7	99	101	2270	344	317	740	597	1110	207	178	1230	146	
8	96	103	1630	307	294	650	518	1280	201	195	1010	141	
9	95	101	1160	289	293	540	701	974	196	167	890	140	
10	95	102	982	546	297	450	624	734	190	155	677	138	
11	102	101	1000	688	330	390	543	594	187	147	430	138	
12	112	101	975	489	317	350	488	528	182	185	354	142	
13	270	100	725	439	881	335	443	482	176	308	346	142	
14	247	101	641	385	1140	324	409	456	172	174	319	134	
15	161	128	534	329	821	304	380	404	167	152	289	131	
16	133	192	444	404	616	313	352	353	164	144	259	126	
17	118	152	391	376	508	326	390	347	160	160	267	123	
18	110	128	355	531	441	321	358	325	156	1340	245	119	
19	107	118	326	527	413	309	402	313	153	642	226	118	
20	103	208	300	356	409	393	2030	303	154	322	220	175	
21	101	371	277	268	375	537	1770	348	151	218	210	135	
22	98	218	447	265	357	449	1180	375	154	190	200	119	
23	110	359	482	354	393	369	930	333	193	197	194	116	
24	124	1810	406	1150	362	339	684	304	199	201	189	114	
25	121	1140	320	1210	340	372	570	284	176	191	180	114	
26	113	505	270	927	322	345	499	286	165	189	173	113	
27	107	412	230	847	1250	338	1370	341	158	167	175	111	
28	104	1550	1000	556	1340	667	1720	319	148	193	184	110	
29	101	820	3000	499	898	843	1690	399	383	172	191	109	
30	100	465	2000	441	---	628	1260	405	239	1020	244	110	
31	98	---	1700	400	---	506	---	321	---	4210	205	---	
TOTAL	3604	9987	35716	16777	15023	14573	24678	22121	5877	12361	23517	4039	
MEAN	116	333	1152	541	518	470	823	714	196	399	759	135	
MAX	270	1810	4520	1210	1340	843	2030	2590	383	4210	3430	179	
MIN	94	99	230	265	293	304	352	284	148	144	173	109	
CFSM	.46	1.32	4.57	2.15	2.06	1.87	3.27	2.83	.78	1.58	3.01	.54	
IN.	.53	1.47	5.27	2.48	2.22	2.15	3.64	3.27	.87	1.82	3.47	.60	
CAL YR 1983	TOTAL	181141		MEAN	496	MAX	4520	MIN	94	CFSM	1.97	IN.	26.74
WTR YR 1984	TOTAL	188273		MEAN	514	MAX	4520	MIN	94	CFSM	2.04	IN.	27.79

MOBILE RIVER BASIN

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02400100 TERRAPIN CREEK AT ELLISVILLE, AL--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 1983 to September 1984.

COOPERATION.--Water-quality samples were collected by the U.S. Geological Survey and analyzed by the Geological Survey of Alabama.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	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)
AUG 02...	1130	2750	53	6.8	23.0	7.7	23	3	5.4	2.2
SEP 19...	1505	118	205	7.9	20.0	8.2	100	6	24	10
DATE	SODIUM, DIS- SOLVED (MG/L AS NA)	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LINITY FIELD (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)
AUG 02...	.80	7	0.0	1.4	20	6.1	1.0	0.40	<.10	5.0
SEP 19...	1.5	3	.0	1.0	95	2.3	<.2	1.6	<.05	8.8
DATE	SOLIDS, SUM OF CONSTITUENTS, 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, NITRITE DIS- SOLVED (MG/L AS N)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	PHOS- PHORUS, ORTHO, DIS- SOLVED (MG/L AS P)		
AUG 02...	28	0.04	210	0.160	<.01	0.160	<.01	<.01		
SEP 19...	100	.14	--	.260	<.01	.260	<.01	<.01		
DATE	ARSENIC DIS- SOLVED (UG/L AS AS)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	COBALT, DIS- SOLVED (UG/L AS CO)	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)	STRON- TIUM, DIS- SOLVED (UG/L AS SR)	ZINC, DIS- SOLVED (UG/L AS ZN)
AUG 02...	1	<1	<1	<1	50	1	10	0.3	80	<10
SEP 19...	1	--	<1	1	40	2	10	.3	40	<10

MOBILE RIVER BASIN
MOBILE RIVER MAIN STEM

02400500 COOSA RIVER AT GADSDEN, AL

LOCATION.--Lat 34°00'37", long 85°59'52", in NE¼ sec. 10, T. 12 S., R. 6 E., Etowah County, Hydrologic Unit 03150106, near midstream in pier of Etowah County Memorial Bridge on Forrest Avenue in Gadsden, 450 ft downstream from Louisville & Nashville Railroad bridge, 1.5 mi upstream from Big Wills Creek, and at mile 174.8.

DRAINAGE AREA.--5,805 mi² (revised).

PERIOD OF RECORD.--October 1926 to September 1976. October 1976 to current year (flood hydrograph only). Gage-height records collected at same site since 1890 are contained in reports of National Weather Service.

REVISED RECORDS.--WSP 682: Drainage area. WSP 1906: 1944, 1947-49, 1951-52, 1954, 1958.

GAGE.--Water-stage recorder. Datum of gage is 485.97 ft above National Geodetic Vertical Datum of 1929. Prior to Oct. 1, 1926, nonrecording gage on Louisville & Nashville Railroad bridge 450 ft upstream at datum 1.15 ft higher. Oct. 1, 1926, to Mar. 31, 1932, water-stage recorder, and Apr. 1, 1932, to May 23, 1935, nonrecording gage, at present site and datum. Since May 4, 1965, auxiliary water-stage recorder 2.2 mi upstream from base gage at present datum.

REMARKS.--Water-stage record good. A flood hydrograph for selected peaks occurring during the 1984 water year is published under discharge at partial-record stations and miscellaneous sites in this report.

AVERAGE DISCHARGE.--50 years, (water years 1927-76) 9,468 ft³/s, 22.15 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 76,900 ft³/s, Apr. 11, 1936, gage height, 31.13 ft; minimum daily, 100 ft³/s, many days in water year 1967.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Apr. 6, 1886, reached a stage of 37.9 ft, from floodmarks established by U.S. Army Corps of Engineers, discharge, 115,000 ft³/s, from rating curve extended above 80,000 ft³/s. Flood of July 15, 1916, reached a stage of 32.7 ft, discharge, 85,000 ft³/s.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 23.74 ft, Dec. 6; minimum, 18.36 ft, Nov. 18.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	21.73	21.61	21.36	21.59	19.00	20.57	20.40	22.13	21.81	22.09	22.73	21.52
2	21.77	21.19	20.86	21.47	18.99	20.78	20.33	22.27	21.81	22.04	23.40	21.60
3	21.73	20.60	21.62	21.38	19.04	20.75	20.65	22.21	21.69	21.93	23.18	21.71
4	21.73	20.05	22.48	21.24	19.29	19.67	21.24	22.36	21.46	21.95	22.98	21.72
5	21.73	19.59	23.24	21.04	19.31	19.41	22.07	23.36	21.44	21.93	23.17	21.80
6	21.70	19.26	23.67	20.78	19.04	19.51	22.12	23.15	21.39	21.81	23.23	21.87
7	21.69	19.19	23.45	20.47	19.01	19.77	21.84	23.24	21.42	21.85	23.04	21.81
8	21.70	19.15	23.12	20.22	19.02	19.62	21.48	23.43	21.27	21.90	22.42	21.86
9	21.75	18.99	22.97	19.71	19.05	19.22	21.59	22.37	21.43	21.84	22.26	21.95
10	21.73	18.88	22.34	19.23	19.14	19.21	21.73	22.78	21.67	21.74	22.20	21.87
11	21.80	18.81	21.62	20.16	19.19	19.11	20.81	22.81	21.59	21.66	22.06	21.76
12	21.83	18.86	21.50	20.72	19.23	19.09	20.17	23.04	21.54	21.55	22.04	21.67
13	21.96	18.90	21.51	20.53	19.08	18.92	19.96	23.15	21.50	21.52	22.01	21.59
14	21.92	18.83	21.49	20.40	19.63	18.93	19.85	22.83	21.48	21.65	21.89	21.44
15	21.91	18.92	21.45	20.08	19.44	18.98	20.04	22.22	21.52	21.88	21.81	21.40
16	22.02	18.78	21.30	19.81	19.41	18.88	20.20	22.03	21.70	21.83	21.73	21.45
17	22.00	18.67	21.10	19.33	19.35	19.06	20.37	21.92	21.86	21.21	21.67	21.49
18	22.07	18.58	20.86	19.33	18.75	19.28	20.44	21.72	21.89	20.83	21.66	21.52
19	22.06	18.57	20.99	19.48	18.57	19.02	20.64	21.32	21.78	21.73	21.75	21.54
20	22.01	18.89	21.07	19.61	18.62	19.32	21.36	21.38	21.73	21.78	21.73	21.53
21	21.90	19.08	20.62	19.65	18.64	19.15	21.17	21.47	21.83	21.70	21.71	21.61
22	21.94	19.08	19.96	19.52	18.61	19.11	21.40	21.57	21.84	21.79	21.68	21.67
23	22.10	19.16	19.82	19.28	18.60	19.15	21.33	21.65	22.00	21.76	21.65	21.71
24	22.14	19.59	19.70	19.72	18.59	19.48	21.28	21.84	22.14	21.72	21.65	21.71
25	22.01	19.74	19.54	20.26	18.67	19.32	21.30	21.82	21.95	21.71	21.75	21.67
26	21.96	19.73	19.35	21.12	18.80	18.88	21.24	21.84	21.95	21.66	21.82	21.73
27	21.89	20.12	19.24	21.38	19.75	18.85	21.46	22.06	21.98	21.59	21.85	21.83
28	21.83	22.00	20.92	21.40	20.91	19.19	22.14	22.07	21.96	21.65	21.79	21.77
29	21.87	22.12	21.97	21.03	20.79	20.04	22.19	22.26	21.94	21.73	21.78	21.82
30	21.91	21.74	22.23	19.44	---	20.63	21.86	22.11	22.00	22.24	21.80	21.86
31	21.85	---	21.76	19.09	---	20.77	---	21.95	---	22.01	21.63	---
MEAN	21.88	19.62	21.39	20.27	19.16	19.47	21.09	22.27	21.72	21.75	22.13	21.68
MAX	22.14	22.12	23.67	21.59	20.91	20.78	22.19	23.43	22.14	22.24	23.40	21.95
MIN	21.69	18.57	19.24	19.09	18.57	18.85	19.85	21.32	21.27	20.83	21.63	21.40
CAL YR 1983	MEAN	21.08	MAX	23.67	MIN	18.57						
WTR YR 1984	MEAN	21.05	MAX	23.67	MIN	18.57						

MOBILE RIVER BASIN

63

02401370 BIG CANOE CREEK NEAR SPRINGVILLE, AL

LOCATION.--Lat 33°48'49", long 86°22'54", in NE¼ sec. 13, T. 14 S., R. 2 E., St. Clair County, Hydrologic Unit 03150106, on downstream side of bridge on U.S. Highway 11, 1 mi west of Caldwell, 4 mi northwest of Springville, and 37.0 mi above mouth.

DRAINAGE AREA.--45.0 mi².

PERIOD OF RECORD.--October 1978, to current year.

GAGE.--Water-stage recorder. Datum of gage is 587.42 ft National Geodetic Vertical Datum of 1929.

REMARKS.--Records good. Records of specific conductance and water temperature for the water year 1984 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--6 years, 97.6 ft³/s, 29.45 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,870 ft³/s Dec. 1, 1982, gage height 12.79 ft. Minimum daily discharge, 4.5 ft³/s Aug. 27-29, Sept. 5, 6, 1981.

EXTREMES FOR CURRENT YEAR.-- Peak discharges above base of 2,500 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Nov. 28	0500	*3,670	*11.77	Dec. 28	1000	2,980	11.07
Dec. 3	1400	3,210	11.31	Apr. 28	1500	3,070	11.17

Minimum discharge, 6.1 ft³/s Sept. 22-27, 29.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.0	11	113	150	86	103	92	204	53	14	64	8.6
2	6.9	12	98	129	81	92	89	281	49	13	65	8.3
3	7.0	13	2320	114	79	84	273	1160	47	12	59	8.1
4	7.6	14	1290	103	74	77	773	484	40	13	46	8.0
5	8.0	14	644	96	67	206	293	271	34	12	75	7.5
6	7.8	14	1520	86	59	230	193	196	30	12	117	7.3
7	7.8	14	413	76	52	156	148	154	27	12	72	7.1
8	7.8	14	247	71	48	125	133	218	25	32	51	6.9
9	7.8	14	181	66	45	105	236	155	22	19	37	6.8
10	8.6	15	144	275	48	97	174	126	21	13	28	6.8
11	14	15	165	306	57	92	142	108	21	12	31	6.8
12	13	15	170	188	54	89	121	97	19	76	26	6.8
13	18	15	145	148	120	84	105	90	17	87	21	6.7
14	18	15	175	125	105	74	96	84	16	26	18	6.6
15	12	19	155	115	91	66	89	78	16	18	16	6.6
16	11	18	125	108	84	69	85	72	15	15	14	6.6
17	9.5	18	109	97	78	59	81	67	15	15	13	6.6
18	9.4	17	97	149	72	54	76	62	17	16	12	6.4
19	9.6	16	89	163	67	49	91	57	17	13	11	6.4
20	9.6	52	82	134	63	72	257	53	13	11	11	6.5
21	9.7	40	76	115	56	76	159	51	27	11	10	6.4
22	11	21	111	103	53	65	129	60	35	9.8	10	6.4
23	14	64	101	104	53	59	107	51	78	9.3	15	6.4
24	13	158	89	417	47	59	95	46	45	9.2	12	6.3
25	12	60	82	298	42	76	87	40	25	8.9	10	6.3
26	11	32	78	204	38	71	119	82	19	9.0	9.5	6.1
27	11	438	77	164	221	70	793	126	15	9.0	9.1	6.2
28	11	1920	1850	136	164	114	1750	111	14	8.9	8.8	6.4
29	11	274	468	119	121	173	563	86	13	8.5	11	6.1
30	11	150	244	105	---	121	292	71	14	26	9.6	6.4
31	11	---	181	93	---	101	---	62	---	99	9.4	---
TOTAL	326.1	3492	11639	4557	2225	2968	7641	4803	799	649.6	901.4	204.4
MEAN	10.5	116	375	147	76.7	95.7	255	155	26.6	21.0	29.1	6.81
MAX	18	1920	2320	417	221	230	1750	1160	78	99	117	8.6
MIN	6.9	11	76	66	38	49	76	40	13	8.5	8.8	6.1
CFSM	.23	2.58	8.33	3.27	1.70	2.13	5.67	3.44	.59	.47	.65	.15
IN.	.27	2.89	9.62	3.77	1.84	2.45	6.32	3.97	.66	.54	.75	.17
CAL YR 1983	TOTAL	52388.6	MEAN	144	MAX	2670	MIN	6.9	CFSM	3.20	IN.	43.31
WTR YR 1984	TOTAL	40205.5	MEAN	110	MAX	2320	MIN	6.1	CFSM	2.44	IN.	33.24

MOBILE RIVER BASIN

02401390 BIG CANOE CREEK AT ASHVILLE, AL

LOCATION.--Lat 33°50'23", long 86°15'46", in SW¼SE¼ sec. 6, T. 14 S., R. 4 E., St. Clair County, Hydrologic Unit 03150106, on downstream side of bridge on U.S. Highway 231, 0.5 mi west-northwest of Ashville, 1.7 mi downstream from Muckleroy Creek, and 22.3 mi upstream from mouth.

DRAINAGE AREA.--141 mi².

PERIOD OF RECORD.--October 1965 to current year.

REVISED RECORDS.--WDR AL-76-1: 1971-75 (P). WDR AL-82-1: Drainage area.

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

REMARKS.--Records good. Records of specific conductance and water temperature for the water year 1984 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--19 years, 289 ft³/s, 27.83 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 13,600 ft³/s Apr. 13, 1979, gage height, 18.75 ft; minimum, 10 ft³/s Sept. 22, 1981.

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

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Nov. 28	2000	5,270	15.01	Apr. 29	1300	4,490	14.48
Dec. 4	0900	*6,000	*15.47	May 4	0200	4,060	14.16
Dec. 28	2400	5,220	14.98				

Minimum discharge, 17 ft³/s Sept. 27, 28, 29, 30.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	19	31	299	421	224	327	256	624	111	48	286	33
2	19	31	232	347	205	279	222	619	101	45	198	31
3	19	29	2840	300	200	243	993	2900	93	43	218	30
4	20	32	5590	263	193	214	1590	3480	87	42	155	29
5	22	34	2910	241	171	670	1220	1040	80	46	131	29
6	21	34	2450	217	153	888	620	616	74	43	173	27
7	21	33	2130	193	136	521	460	470	71	41	143	26
8	19	33	721	170	129	395	368	699	67	45	104	25
9	20	35	524	155	123	311	721	502	64	59	85	24
10	20	36	393	836	127	264	637	357	63	46	74	24
11	24	36	434	1650	170	239	460	294	60	41	69	24
12	29	37	522	619	152	220	368	250	58	39	77	23
13	33	37	383	448	658	205	308	216	56	237	67	23
14	37	38	428	360	507	186	263	192	54	91	59	22
15	34	41	412	324	309	162	226	169	52	56	54	22
16	28	43	301	314	253	155	203	149	52	48	50	21
17	26	43	249	268	224	151	190	135	50	48	47	20
18	26	45	219	672	200	139	167	126	49	68	47	20
19	26	80	198	678	183	129	199	117	48	59	45	20
20	28	113	180	428	174	379	1130	111	49	43	41	20
21	29	116	165	344	155	344	702	111	140	39	39	20
22	28	61	439	286	147	199	554	125	169	37	38	19
23	31	179	338	286	161	165	461	110	742	36	40	19
24	37	867	240	1640	143	156	319	102	169	34	43	19
25	33	196	196	1460	129	299	253	98	86	34	38	19
26	31	103	183	692	117	212	215	127	66	33	35	18
27	30	481	172	531	1250	181	2050	515	57	34	34	18
28	30	4620	3240	422	757	447	2100	306	51	34	34	17
29	30	3140	4340	353	426	678	3980	331	48	34	36	18
30	30	490	1040	300	---	401	1530	166	49	41	44	18
31	28	---	534	252	---	303	---	129	---	569	39	---
TOTAL	828	11094	32302	15470	7776	9462	22765	15186	2916	2113	2543	678
MEAN	26.7	370	1042	499	268	305	759	490	97.2	68.2	82.0	22.6
MAX	37	4620	5590	1650	1250	888	3980	3480	742	569	286	33
MIN	19	29	165	155	117	129	167	98	48	33	34	17
CFSM	.19	2.62	7.39	3.54	1.90	2.16	5.38	3.48	.69	.48	.58	.16
IN.	.22	2.93	8.52	4.08	2.05	2.50	6.01	4.01	.77	.56	.67	.18
CAL YR 1983	TOTAL	155276	MEAN	425	MAX	6630	MIN	19	CFSM	3.01	IN.	40.97
WTR YR 1984	TOTAL	123133	MEAN	336	MAX	5590	MIN	17	CFSM	2.38	IN.	32.49

MOBILE RIVER BASIN

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02401460 GULF CREEK NEAR ASHVILLE, AL

LOCATION.--Lat 33°54'08", long 86°14'51", in SW¼ sec. 17, T. 13 S., R. 4 E., St. Clair County, Hydrologic Unit 03150106, on downstream side of bridge on U.S. Highway 11, 3.1 mi upstream from mouth, 3.6 mi southwest of Steele, and 4.5 mi north of Ashville.

DRAINAGE AREA.--14.3 mi².

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

REVISED RECORDS.--AL-82-1: Drainage area.

GAGE.--Water-stage recorder. Altitude of gage is 560 ft, from topographic map.

REMARKS.--Records fair. Records of specific conductance and water temperature for the water year 1984 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--6 years, 30.9 ft³/s, 29.34 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,060 ft³/s, Apr. 13, 1979, gage height 11.47 ft; minimum daily, 0.1 ft³/s, Sept. 18-22, 1981.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 950 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Nov. 28	0015	986	9.13	Dec. 28	0630	*1,030	*9.22

Minimum discharge, 0.17 ft³/s Oct. 3.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1	.22	.36	67	66	27	49	37	70	8.3	6.9	17	1.8	
2	.21	.33	45	52	24	42	31	85	7.6	7.1	15	1.7	
3	.18	.34	458	43	23	36	96	228	6.8	7.3	17	1.7	
4	.20	.36	306	35	21	32	338	145	6.0	7.7	18	1.6	
5	.23	.43	266	31	19	67	175	90	5.4	7.6	14	1.5	
6	.23	.44	345	28	17	65	128	67	5.0	7.3	10	1.4	
7	.23	.45	173	25	16	54	85	53	4.8	7.3	8.4	1.4	
8	.24	.46	127	22	15	46	62	112	4.6	7.3	6.9	1.3	
9	.24	.46	98	20	15	39	79	77	4.4	7.1	5.8	1.2	
10	.24	.43	65	89	16	35	62	61	4.3	6.8	4.9	1.2	
11	.32	.47	67	90	16	31	52	49	4.2	6.4	4.6	1.2	
12	.32	.48	58	70	16	28	44	39	4.1	8.6	4.6	1.2	
13	.47	.50	48	57	35	26	37	31	4.1	6.0	3.9	1.1	
14	.49	.54	55	48	36	23	32	26	5.1	6.2	3.4	1.1	
15	.46	.69	45	43	31	21	28	22	6.3	6.1	3.0	1.1	
16	.49	.72	38	39	28	21	25	17	5.7	6.3	2.8	.99	
17	.48	.75	32	33	25	21	23	14	5.1	6.8	2.6	.90	
18	.45	.74	28	54	23	19	20	13	4.6	7.4	2.4	.84	
19	.39	.73	25	50	21	17	26	11	4.3	6.8	2.3	.79	
20	.37	.99	23	43	20	38	65	9.8	4.4	6.9	2.2	.75	
21	.36	.77	21	37	18	38	52	10	4.7	6.9	2.0	.72	
22	.40	.73	37	32	18	33	46	12	4.8	6.9	1.9	.71	
23	.57	40	31	34	17	28	39	9.8	4.8	6.9	1.9	.68	
24	.55	26	26	114	15	28	33	9.0	4.6	6.8	1.8	.67	
25	.58	8.9	24	90	14	31	27	8.1	4.5	6.7	1.7	.67	
26	.55	4.0	21	73	13	27	27	7.9	4.6	6.9	1.7	.67	
27	.52	196	25	60	111	25	177	8.0	4.7	6.7	1.8	.65	
28	.48	371	456	50	71	58	219	11	4.9	7.0	1.8	.63	
29	.45	133	196	42	57	64	157	18	5.2	6.9	1.8	.61	
30	.44	91	134	35	---	52	97	12	6.1	8.1	1.8	.61	
31	.40	---	90	30	---	43	---	9.7	---	24	1.8	---	
TOTAL	11.76	882.07	3430	1535	778	1137	2319	1335.3	154.0	233.7	168.8	31.39	
MEAN	.38	29.4	111	49.5	26.8	36.7	77.3	43.1	5.13	7.54	5.45	1.05	
MAX	.58	371	458	114	111	67	338	228	8.3	24	18	1.8	
MIN	.18	.33	21	20	13	17	20	7.9	4.1	6.0	1.7	.61	
CFSM	.03	2.06	7.77	3.47	1.88	2.57	5.41	3.02	.36	.53	.38	.07	
IN.	.03	2.30	8.94	4.00	2.03	2.96	6.04	3.48	.40	.61	.44	.08	
CAL YR 1983	TOTAL	14205.41		MEAN	38.9	MAX	636	MIN	.18	CFSM	2.72	IN.	37.01
WTR YR 1984	TOTAL	12016.02		MEAN	32.8	MAX	458	MIN	.18	CFSM	2.30	IN.	31.30

MOBILE RIVER BASIN

02401470 LITTLE CANOE CREEK NEAR STEELE, AL

LOCATION.--Lat 33°58'09", long 86°10'40", in SE¼SW¼ sec. 24, T. 12 S., R. 4 E., Hydrologic Unit 03150105, on downstream side of bridge on U.S. Highway 11 at Etowah and St. Clair County line, 2.3 miles north of Steele, and 7.2 mi above mouth.

DRAINAGE AREA.--22.3 mi².

PERIOD OF RECORD.--April 1982 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 555 ft, from topographic map.

REMARKS.--Records fair. Records of specific conductance and water temperature for the water year 1984 are published under miscellaneous water-quality sites in this report.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge 2,090 ft³/s May 18, 1983, gage height 8.19 ft; minimum daily, 1.1 ft³/s, Sept. 24, 1983.

EXTREMES FOR CURRENT YEAR.--Maximum discharge 977 ft³/s Dec. 28, gage height 7.27 ft, no peak above base of 1,000 ft³/s; minimum 2.2 ft³/s Sept. 22, 28.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1	3.6	12	46	77	31	56	52	81	20	6.9	20	4.6	
2	3.6	12	40	64	29	49	40	75	17	6.4	17	4.5	
3	3.6	12	461	54	29	43	123	210	14	6.0	14	4.5	
4	3.9	13	379	37	28	47	458	157	12	6.1	16	5.5	
5	4.3	13	190	34	27	86	206	103	11	6.5	11	5.1	
6	5.0	13	362	32	24	85	127	77	10	8.2	7.9	4.8	
7	5.2	12	170	29	22	68	94	55	10	9.4	5.9	4.5	
8	5.5	12	115	28	20	59	69	111	9.8	11	7.0	4.1	
9	6.3	12	88	27	20	51	108	82	9.4	11	7.5	4.0	
10	7.3	11	69	117	23	46	85	59	9.5	11	7.0	4.0	
11	10	11	74	138	25	36	67	45	9.7	11	8.0	4.0	
12	13	10	64	94	26	33	54	40	9.2	11	8.2	4.0	
13	14	9.9	41	74	54	36	50	35	12	12	7.0	4.0	
14	10	10	50	62	42	28	45	34	19	12	5.7	4.0	
15	8.5	1.16	45	52	36	25	41	29	12	12	5.3	3.9	
16	7.4	14	40	38	33	26	37	25	9.9	12	4.6	3.6	
17	6.5	12	36	33	30	25	37	22	9.0	13	4.9	3.6	
18	6.5	11	33	58	28	24	32	21	8.3	19	4.5	3.6	
19	6.3	11	30	57	28	22	44	19	7.6	17	4.4	3.2	
20	6.4	28	28	48	27	68	120	16	7.9	15	4.0	3.5	
21	7.3	12	27	44	25	63	94	19	7.9	13	3.8	3.5	
22	7.0	8.7	44	41	24	46	77	20	7.6	14	3.7	3.0	
23	11	35	37	50	24	39	54	18	9.9	15	5.9	2.9	
24	9.2	42	31	114	22	37	46	17	9.7	15	5.2	3.0	
25	8.0	21	29	101	20	45	41	16	8.6	14	4.3	2.8	
26	7.7	10	29	79	19	39	36	15	7.5	17	4.5	2.6	
27	8.8	109	33	58	129	46	123	18	6.9	16	5.4	3.0	
28	10	312	561	49	94	91	172	78	6.5	16	5.2	2.6	
29	11	100	252	44	69	105	163	46	6.5	17	5.8	2.6	
30	11	61	130	39	---	78	108	50	6.8	21	6.6	3.0	
31	12	---	97	34	---	64	---	26	---	29	5.7	---	
TOTAL	239.9	965.6	3631	1806	1008	1566	2803	1619	305.2	403.5	226.0	112.0	
MEAN	7.74	32.2	117	58.3	34.8	50.5	93.4	52.2	10.2	13.0	7.29	3.73	
MAX	14	312	561	138	129	105	458	210	20	29	20	5.5	
MIN	3.6	8.7	27	27	19	22	32	15	6.5	6.0	3.7	2.6	
MIN	3.6	8.7	27	27	19	22	32	15	6.5	6.0	3.7	2.6	
CFSM	.35	1.44	5.25	2.61	1.56	2.26	4.19	2.34	.46	.58	.33	.17	
IN.	.40	1.61	6.06	3.01	1.68	2.61	4.68	2.70	.51	.67	.38	.19	
CAL YR 1983	TOTAL	18893.0		MEAN	51.8	MAX	913	MIN	2.5	CFSM	2.32	IN.	31.52
WTR YR 1984	TOTAL	14685.2		MEAN	40.1	MAX	561	MIN	2.6	CFSM	1.80	IN.	24.50

MOBILE RIVER BASIN

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02403500 COLDWATER SPRING NEAR ANNISTON, AL

LOCATION.--Lat 33°36'10", long 85°55'33", in SE¼ sec. 29, T. 16 S., R. 7 E., Calhoun County, Hydrologic Unit 03150106, in pool of Coldwater Spring, 200 ft upstream from Coldwater Creek, 2 mi upstream from Choccolocco Creek, and 7 mi southwest of Anniston.

PERIOD OF RECORD.--July 1944 to March 1947, April 1957 to current year.

GAGE.--Water-stage recorder and sharp-crested weir. Altitude of gage is 590 ft, from topographic map. Prior to Mar. 31, 1947, nonrecording gage at same site and datum.

REMARKS.--Records good. Records of discharge include flow over weir and diversion from pool of an average of 27.8 ft³/s for municipal water supply for City of Anniston as determined by Venturi-meter readings.

COOPERATION.--Records furnished by the Water Works and Sewer Board of the City of Anniston.

AVERAGE DISCHARGE.--29 years (water years 1945-46, 1958-84), 48.5 ft³/s.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge for 7-day period, 66 ft³/s Apr. 1-7, 1976; minimum discharge for 5-day period, 36.4 ft³/s Dec. 5-9, 6-10, 1960.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 64 ft³/s May 3; minimum daily, 44 ft³/s Nov. 12.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	47	46	49	56	57	56	55	62	60	56	54	53
2	47	46	50	56	57	55	56	63	60	56	54	53
3	47	47	51	57	58	55	56	64	60	57	56	52
4	48	46	52	57	57	55	57	63	60	56	56	53
5	47	46	53	56	56	56	57	63	60	56	56	53
6	48	45	53	56	56	56	60	63	60	56	56	53
7	48	46	54	55	54	56	59	63	59	56	56	52
8	47	46	54	55	56	56	59	63	59	56	56	52
9	47	46	55	55	56	56	60	63	59	56	56	53
10	48	46	54	56	56	55	59	63	59	56	56	53
11	47	45	55	55	56	55	60	63	59	56	56	52
12	47	44	54	55	56	56	59	62	58	56	56	52
13	47	45	55	56	57	56	59	61	58	56	55	52
14	47	46	55	55	56	56	60	62	59	57	55	52
15	48	45	54	55	55	56	59	64	58	55	55	52
16	48	45	53	56	56	55	59	61	58	55	55	51
17	47	45	53	56	55	55	59	61	58	55	55	51
18	48	45	54	56	56	55	58	61	58	55	54	51
19	47	46	54	56	55	55	58	62	57	55	55	51
20	47	46	54	56	56	56	59	61	57	55	54	52
21	47	45	53	56	56	55	60	62	58	54	54	52
22	47	46	53	55	55	55	61	61	58	55	54	51
23	47	47	53	56	54	55	61	60	57	55	54	51
24	46	47	52	57	55	55	60	61	57	54	53	51
25	46	48	53	57	55	55	60	61	57	54	53	51
26	46	48	54	58	55	55	60	60	57	54	54	51
27	47	48	54	58	56	56	60	61	58	54	53	50
28	46	49	55	58	56	56	61	60	57	54	53	51
29	46	49	56	58	55	55	62	60	57	54	53	50
30	46	49	56	57	---	56	63	59	57	54	53	51
31	46	---	56	57	---	55	---	59	---	54	54	---
TOTAL	1457	1388	1661	1742	1618	1719	1776	1912	1749	1712	1694	1552
MEAN	47.0	46.3	53.6	56.2	55.8	55.5	59.2	61.7	58.3	55.2	54.6	51.7
MAX	48	49	56	58	58	56	63	64	60	57	56	53
MIN	46	44	49	55	54	55	55	59	57	54	53	50
CAL YR 1983	TOTAL	19329		MEAN	53.0	MAX	63	MIN	44			
WTR YR 1984	TOTAL	19980		MEAN	54.6	MAX	64	MIN	44			

MOBILE RIVER BASIN

02408540 HATCHET CREEK BELOW ROCKFORD, AL

LOCATION.--Lat 32°55'00", long 86°16'13" (corrected), in SE¼ sec. 4, T. 22 N., R. 18 E., Coosa County, Hydrologic Unit 03150107, on downstream side of pier near right bank of bridge on county highway, 2.1 mi downstream from Jack Creek, and 4 mi northwest of Rockford.

DRAINAGE AREA.--263 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1980 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 377 ft.

REMARKS.--Water-discharge records good.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 23,500 ft³/s Feb. 3, 1982, gage height, 25.65 ft; minimum daily discharge, 18 ft³/s Oct. 6, 1981.

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

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Nov. 24	0400	7,290	13.59	Dec. 6	1100	7,400	13.70
Dec. 3	2000	*16,200	*20.41	Dec. 28	1300	8,140	14.37
				Aug. 2	2000	13,100	18.21

Minimum discharge, 75 ft³/s Oct. 8, 10.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	87	96	402	692	489	648	551	464	288	603	1250	169
2	85	95	330	610	462	570	498	506	262	596	6260	158
3	84	94	9290	555	500	519	1240	1480	246	239	4690	154
4	83	95	8370	509	665	476	1640	2060	236	213	1340	243
5	85	101	1850	475	508	1470	1250	1100	227	265	865	189
6	85	97	5140	440	445	1620	875	767	218	452	632	168
7	81	95	2720	410	412	997	704	603	214	329	509	155
8	79	94	1230	381	399	762	624	710	205	433	388	146
9	78	95	875	366	391	649	751	698	198	266	322	141
10	77	91	681	1210	436	581	667	532	192	212	281	138
11	92	89	1180	1240	711	545	572	460	188	197	306	137
12	112	90	1850	755	545	508	530	411	182	184	296	150
13	1010	90	1140	594	1080	495	494	375	176	269	339	147
14	356	108	899	523	795	461	522	355	172	254	313	133
15	181	242	715	498	618	434	561	330	169	215	252	125
16	143	241	582	476	544	426	479	309	164	201	230	116
17	125	162	511	458	498	466	488	295	160	901	229	109
18	115	137	464	1000	454	450	442	288	156	366	224	107
19	108	131	429	1700	435	409	446	281	153	292	211	105
20	104	1450	401	974	423	719	805	274	149	227	208	104
21	99	693	375	727	402	712	600	426	152	207	200	98
22	97	293	513	597	416	511	703	715	165	194	190	96
23	175	901	548	577	452	451	739	388	236	184	185	94
24	177	5810	419	912	397	467	538	319	251	227	180	92
25	137	1490	356	1230	378	850	462	293	179	211	172	93
26	119	688	359	1010	360	606	417	288	159	187	167	88
27	109	615	381	893	1880	524	454	316	152	189	171	83
28	103	2070	5320	756	1230	1210	483	461	146	355	192	81
29	99	1090	2620	652	817	1300	721	670	206	1130	183	83
30	97	581	1190	582	---	807	517	449	527	1000	236	86
31	96	---	846	525	---	634	---	325	---	2720	188	---
TOTAL	4478	17924	51986	22327	17142	21277	19773	16948	6128	13318	21209	3788
MEAN	144	597	1677	720	591	686	659	547	204	430	684	126
MAX	1010	5810	9290	1700	1880	1620	1640	2060	527	2720	6260	243
MIN	77	89	330	366	360	409	417	274	146	184	167	81
CFSM	.55	2.27	6.38	2.74	2.25	2.61	2.51	2.08	.78	1.63	2.60	.48
IN.	.63	2.54	7.35	3.16	2.42	3.01	2.80	2.40	.87	1.88	3.00	.54
CAL YR 1983	TOTAL	257166	MEAN	705	MAX	9290	MIN	75	CFSM	2.68	IN.	36.37
WTR YR 1984	TOTAL	216298	MEAN	591	MAX	9290	MIN	77	CFSM	2.25	IN.	30.59

MOBILE RIVER BASIN

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02408540 HATCHET CREEK BELOW ROCKFORD, AL--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 1981 to current year.

REMARKS.--Miscellaneous samples of chemical data published for water year 1981.

COOPERATION.--Water-quality samples were collected by the U.S. Geological Survey and analyzed by the Geological Survey of Alabama.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	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)
OCT 04...	0945	82	45	--	19.5	--	--	--	--	--
NOV 07...	1215	97	50	--	16.0	--	--	--	--	--
DEC 12...	1430	1850	310	6.0	12.0	10.2	9	2	2.0	0.90
FEB 28...	1345	1120	26	7.4	9.0	11.1	9	1	2.1	.90
MAR 15...	0910	443	43	--	13.0	--	--	--	--	--
JUN 13...	1430	182	40	--	29.0	--	--	--	--	--
JUL 12...	1330	154	28	6.4	29.5	7.3	11	0	2.5	1.1
SEP 07...	1325	153	46	--	25.0	--	--	--	--	--
DATE	SODIUM, DIS- SOLVED (MG/L AS NA)	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LINITY FIELD (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)
DEC 12...	1.5	25	0.2	0.80	7	15	3.6	0.60	<.10	7.8
FEB 28...	1.5	25	.2	.60	8	.7	1.2	.60	<.10	6.4
JUL 12...	2.4	30	.3	.90	13	10	1.4	1.2	<.10	12
DATE	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, NITRITE DIS- SOLVED (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)		
DEC 12...	22	0.03	108	--	<.01	0.040	--	--		
FEB 28...	18	.02	55	0.060	<.01	--	0.060	<.002		
JUL 12...	30	.04	12	.020	<.01	--	.020	--		
DATE	ARSENIC DIS- SOLVED (UG/L AS AS)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	COBALT, DIS- SOLVED (UG/L AS CO)	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)	STRON- TIUM, DIS- SOLVED (UG/L AS SR)	ZINC, DIS- SOLVED (UG/L AS ZN)
DEC 12...	<1	1	1	<1	160	2	<10	<.1	30	20
FEB 28...	1	1	<1	<1	140	<1	0	<.1	50	40
JUL 12...	1	1	<1	<1	340	<1	20	<.1	30	<10

MOBILE RIVER BASIN

02410000 PATERSON CREEK NEAR CENTRAL, AL

LOCATION.--Lat 32°40'54", long 86°07'40", on line between secs. 25 and 36, T. 20 N., R. 19 E., Elmore County, Hydrologic Unit 03150107, near right bank on upstream side of bridge on county road, 2 mi west of Central, and 11 mi northeast of Wetumpka.

DRAINAGE AREA.--4.91 mi² (revised).

PERIOD OF RECORD.--October 1953 to current year. Prior to October 1962, published as Sofkahatchee Creek near Wetumpka.

REVISED RECORDS.--WSP 1554: 1947(M). WSP 1906: Drainage area. WSP 2106: 1961(M), 1961(P), 1964(M).

GAGE.--Water-stage recorder. Altitude of gage is 440 ft.

REMARKS.--Records fair except those above 400 ft³/s which are poor. Records of specific conductance and water temperature for the water year 1984 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--31 years, 7.18 ft³/s, 19.86 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,310 ft³/s Aug. 2, 1969, gage height, 10.10 ft; minimum daily, 0.02 ft³/s Sept. 25, Oct. 3-5, 1954.

EXTREMES FOR 1983 WATER YEAR.--Peak discharges above base of 400 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec. 11	1045	552	4.26	Mar. 5	1900	463	3.83
Feb. 1	2200	419	3.63	Mar. 20	1500	536	4.18
				Apr. 4	0300	*1,250	*7.73

Minimum daily discharge, .6 ft³/s Oct. 2, 3, 4.

EXTREMES FOR CURRENT YEAR.--Peak discharge above base of 400 ft³/s and maximum (*).--

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Nov. 23	1945	471	3.87	Aug. 2	0845	548	4.25
Dec. 28	0615	463	3.83	Aug. 2	1145	748	5.24
Aug. 2	0445	*1,140	*7.19				

Minimum discharge, .88 ft³/s Sept. 26, 27.

MOBILE RIVER BASIN

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02410000 PATERSON CREEK NEAR CENTRAL, AL--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1	.70	1.3	24	6.8	67	26	9.8	9.6	4.8	8.6	3.0	2.4	
2	.60	1.6	11	61	49	14	28	9.4	4.5	8.7	3.1	2.0	
3	.60	2.5	6.5	22	14	11	14	11	4.3	5.9	7.3	2.1	
4	.60	2.9	10	13	8.1	9.6	10	9.3	5.0	5.4	4.5	1.9	
5	.90	1.7	63	9.6	7.7	62	11	8.4	4.8	5.1	3.1	2.7	
6	1.0	1.6	16	8.1	12	42	24	8.0	4.8	4.6	2.9	3.6	
7	1.0	1.5	8.4	7.1	7.8	21	20	7.7	7.6	4.3	2.4	2.8	
8	2.0	1.5	6.0	6.4	6.6	16	283	7.7	5.4	4.2	2.2	2.1	
9	2.0	1.4	5.8	5.8	5.9	13	67	7.3	4.7	3.6	2.0	2.0	
10	1.0	1.4	4.8	6.0	6.2	12	35	7.2	4.2	3.2	2.0	1.9	
11	2.0	1.9	133	5.8	5.6	10	25	7.2	4.0	3.0	2.3	2.4	
12	20	3.3	33	4.9	4.8	9.6	21	7.1	4.0	2.9	2.2	4.7	
13	1.4	2.8	13	4.7	5.1	9.4	18	6.6	3.7	2.9	2.0	18	
14	1.2	2.1	7.8	4.5	6.2	9.0	31	6.3	3.6	2.9	1.8	6.6	
15	.97	2.1	23	4.5	5.0	8.3	21	6.4	3.6	2.5	1.7	3.8	
16	.93	2.0	20	4.4	5.1	9.1	18	22	3.5	2.5	1.6	3.1	
17	.87	2.6	10	4.3	5.2	9.6	16	8.3	3.6	2.9	1.5	2.7	
18	.91	12	6.9	4.1	4.6	9.8	16	7.5	9.0	3.5	1.4	2.5	
19	.95	3.5	5.7	4.0	4.6	7.6	14	16	17	4.3	1.3	2.5	
20	.94	2.7	4.6	8.8	4.4	76	13	11	11	4.6	1.3	22	
21	.95	2.8	4.0	18	4.3	33	12	8.7	8.2	3.3	1.2	9.2	
22	.86	4.0	3.5	12	23	17	21	13	6.7	2.9	1.2	3.5	
23	.92	3.1	3.4	9.5	13	13	44	8.7	5.7	2.7	1.2	2.4	
24	.94	12	3.3	8.1	9.4	50	27	7.3	5.1	2.5	1.1	2.0	
25	.94	4.1	3.1	7.5	7.8	29	19	6.5	4.7	2.3	2.2	1.8	
26	.98	3.1	2.9	7.3	6.9	63	15	6.0	5.2	9.8	3.9	1.7	
27	.99	2.7	2.8	8.8	6.6	66	13	5.5	6.1	6.4	2.1	1.6	
28	1.0	14	31	7.3	21	24	12	5.1	6.0	2.6	1.8	1.5	
29	1.1	19	13	7.8	---	17	11	5.6	27	2.2	1.8	1.5	
30	1.2	29	7.9	8.3	---	14	10	5.4	12	2.0	1.6	1.6	
31	1.2	---	6.2	7.3	---	13	---	5.0	---	2.5	2.0	---	
TOTAL	51.65	146.2	493.6	297.7	326.9	724.0	878.8	260.8	199.8	124.8	69.7	118.6	
MEAN	1.67	4.87	15.9	9.60	11.7	23.4	29.3	8.41	6.66	4.03	2.25	3.95	
MAX	20	29	133	61	67	76	283	22	27	9.8	7.3	22	
MIN	.60	1.3	2.8	4.0	4.3	7.6	9.8	5.0	3.5	2.0	1.1	1.5	
CFSM	.34	.99	3.24	1.96	2.38	4.77	5.97	1.71	1.36	.82	.46	.80	
IN.	.39	1.11	3.74	2.26	2.48	5.49	6.66	1.98	1.51	.95	.53	.90	
CAL YR 1982	TOTAL	2891.85		MEAN	7.92	MAX	180	MIN	.60	CFSM	1.61	IN.	21.91
WTR YR 1983	TOTAL	3692.55		MEAN	10.1	MAX	283	MIN	.60	CFSM	2.06	IN.	27.98

MOBILE RIVER BASIN

02410000 PATERSON CREEK NEAR CENTRAL, AL--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1	1.5	1.7	7.0	12	10	12	9.5	5.6	2.3	2.2	23	2.4	
2	1.4	1.5	6.1	10	9.9	11	9.1	5.1	2.3	2.1	318	2.2	
3	1.4	1.6	87	9.5	13	10	49	8.7	2.2	2.0	47	2.2	
4	1.6	1.9	57	8.9	12	9.9	59	4.5	2.2	1.8	21	4.1	
5	2.1	2.1	25	8.4	10	13	26	3.0	2.2	11	14	2.5	
6	2.3	2.0	100	7.9	9.6	11	17	2.7	2.2	5.1	10	2.3	
7	2.3	2.2	26	7.4	9.2	9.8	14	2.3	2.2	2.5	8.3	2.1	
8	2.5	2.5	17	7.1	9.1	9.4	14	5.3	2.1	2.3	7.1	2.0	
9	2.7	2.6	12	7.0	8.9	8.8	17	2.9	2.3	2.1	6.3	2.0	
10	2.9	2.9	10	48	13	8.6	13	2.5	2.2	2.0	5.7	1.9	
11	3.8	2.8	33	22	14	8.4	11	2.3	2.2	2.0	7.9	1.9	
12	13	2.8	30	15	16	8.2	9.7	2.1	2.1	1.8	8.4	1.9	
13	8.7	3.1	18	12	25	8.1	9.1	2.1	2.1	2.0	8.8	1.7	
14	2.4	24	14	10	18	7.7	11	2.1	2.6	1.9	6.3	1.6	
15	1.9	40	11	11	15	7.5	8.7	2.0	2.3	1.9	5.4	1.6	
16	1.7	9.9	9.6	9.8	13	7.7	8.1	1.9	2.4	1.9	4.7	1.5	
17	1.6	6.0	9.0	10	11	7.7	7.6	1.9	2.3	1.9	4.5	1.4	
18	1.6	4.7	8.4	29	11	7.4	6.9	1.8	2.1	1.8	4.2	1.4	
19	1.5	4.1	8.0	26	9.9	7.1	19	1.8	1.9	1.6	4.0	1.4	
20	1.6	64	7.7	16	9.5	15	18	8.7	1.8	1.7	3.8	1.3	
21	1.6	14	7.5	13	9.0	9.7	11	3.1	1.7	1.6	3.6	1.3	
22	1.8	7.7	13	11	9.7	8.2	11	2.6	1.9	1.5	3.4	1.2	
23	4.9	60	9.3	12	9.1	8.0	9.0	2.4	3.1	1.3	3.3	1.2	
24	2.2	93	8.1	15	8.8	12	7.7	2.2	2.2	1.3	3.1	1.2	
25	2.1	20	7.6	22	8.4	19	7.0	2.2	1.9	1.3	2.8	1.1	
26	2.1	11	14	18	8.0	12	7.1	2.4	1.7	1.2	2.9	1.1	
27	1.9	10	16	19	43	15	7.7	4.7	1.6	13	2.9	.98	
28	1.8	33	138	15	18	25	7.5	3.6	1.5	3.5	2.8	1.1	
29	1.7	12	31	13	14	17	6.7	2.9	3.5	30	2.7	1.1	
30	1.8	8.2	18	13	---	13	5.8	2.6	2.5	33	2.7	1.1	
31	1.8	---	14	11	---	11	---	2.4	---	44	2.5	---	
TOTAL	82.2	451.3	772.3	449.0	375.1	338.2	417.2	100.4	65.6	183.3	551.1	50.78	
MEAN	2.65	15.0	24.9	14.5	12.9	10.9	13.9	3.24	2.19	5.91	17.8	1.69	
MAX	13	93	138	48	43	25	59	8.7	3.5	44	318	4.1	
MIN	1.4	1.5	6.1	7.0	8.0	7.1	5.8	1.8	1.5	1.2	2.5	.98	
CFSM	.54	3.05	5.07	2.95	2.63	2.22	2.83	.66	.45	1.20	3.63	.34	
IN.	.62	3.42	5.85	3.40	2.84	2.56	3.16	.76	.50	1.39	4.18	.38	
CAL YR 1983	TOTAL	4306.9		MEAN	11.8	MAX	283	MIN	1.1	CFSM	2.40	IN.	32.63
WTR YR 1984	TOTAL	3836.48		MEAN	10.5	MAX	318	MIN	.98	CFSM	2.14	IN.	29.07

MOBILE RIVER BASIN

73

MOBILE RIVER MAIN STREAM

02411000 COOSA RIVER AT JORDAN DAM, NEAR WETUMPKA, AL

LOCATION.--Lat 32°36'50", long 86°15'18", in S½ sec. 22, T. 19 N., R. 18 E., Elmore County, Hydrologic Unit 03150107, on right bank 0.5 mi downstream from Jordan Dam, 4 mi upstream from Corn Creek, 5.5 mi northwest of Wetumpka, and at mile 18.6.

DRAINAGE AREA.--10,102 mi² (revised).

PERIOD OF RECORD.--July 1912 to September 1914, December 1925 to current year. Prior to October 1936 published as "at Lock 18, near Wetumpka."

GAGE.--Nonrecording gage since April 1975. Datum of gage is 141.6 ft National Geodetic Vertical Datum of 1929 (levels by Alabama Power Co.). February 1926 to March 1975, water-stage recorder. July 1912 to September 1914, nonrecording gage at site 0.2 mi upstream at different datum.

REMARKS.--Records good. Prior to June 30, 1967, and Feb. 10, 1975, to current year, daily discharge above 100 ft³/s computed on basis of powerplant records and flow over spillway at Jordan Dam; July 1, 1967, to Feb. 9, 1975, on the combined flow through turbines at Jordan and Bouldin Dams (on diversion channel from Jordan Lake about 1 mi upstream from Jordan Dam) and flow over spillway at Jordan Dam. Flow regulated by several upstream reservoirs and hydroelectric plants.

COOPERATION.--Records collected by Alabama Power Co., under general supervision of U.S. Geological Survey, in connection with a Federal Energy Regulatory Commission project.

AVERAGE DISCHARGE.--60 years (water years 1913-14, 1927-84), 16,730 ft³/s, 22.49 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 316,000 ft³/s Apr. 13, 1979, gage height, 47.67 ft, computed on basis of powerplant records and flow over spillway; minimum daily, 54 ft³/s Oct. 15, 1938.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 135,000 ft³/s Dec. 4, computed on basis of powerplant records and flow over spillway; minimum daily, 531 ft³/s June 23.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1	3470	8490	41800	46700	20700	34600	34500	32000	18600	2270	55800	9800	
2	591	10700	38800	42400	24200	35100	35000	33400	17100	12500	74200	2830	
3	5060	7370	123000	37400	15500	34000	42600	44000	6720	10800	70300	7200	
4	4870	6860	135000	36300	12600	30800	46200	69400	12700	8520	55100	6750	
5	6020	3530	92100	35900	9280	31200	43700	56400	14000	11100	42800	5740	
6	5010	961	126000	36900	21000	31100	38900	57600	12500	12200	37000	7290	
7	4080	8650	94000	31300	15800	35100	39500	54300	10700	6910	37300	7230	
8	3810	7390	85300	26200	17500	27200	37600	54500	12000	4280	33300	4930	
9	594	7420	72200	28500	15600	22900	38700	54700	1710	13000	25200	580	
10	6580	7090	68300	31500	16500	16900	39000	55300	582	15000	19800	7820	
11	7430	6510	65800	33500	14300	16700	32800	44100	9280	12800	15100	10100	
12	9790	2410	52000	40000	18600	17700	26500	35600	7930	12300	12100	10900	
13	8900	611	48700	34200	15700	16900	25700	35400	8980	7400	15100	9850	
14	9930	6180	50600	33800	20000	15800	22900	34600	6780	5570	12400	10200	
15	8040	7790	42500	29400	27700	12100	17800	30200	8770	571	9370	4080	
16	955	10600	39600	24800	37800	13800	15700	27300	551	10200	12400	600	
17	6580	10400	37500	21200	27500	12800	17200	19700	598	13200	10100	6230	
18	9290	13700	34700	30600	21200	13500	13300	19600	10000	12800	8710	9110	
19	7870	11000	35700	38000	21300	17700	16000	16700	12700	15300	3120	3110	
20	6930	13300	36100	30500	19400	16900	19800	9080	6000	15600	10700	2580	
21	4850	9630	22200	35800	17000	22500	20300	17500	8560	13900	6210	2650	
22	4930	12400	30500	27300	15900	29900	28300	20200	5050	939	6970	601	
23	2430	15400	26200	27200	17100	31800	25500	19000	531	10400	6900	591	
24	8380	52900	27000	30700	20500	33500	22300	15800	3890	6950	5780	5530	
25	4960	40600	32100	40700	16700	30400	22100	14200	7790	5040	591	5010	
26	6790	37900	20300	46100	12500	25100	22500	9400	5950	7520	1250	4490	
27	7400	40500	27400	41600	29400	30300	21100	9730	5950	7280	5790	591	
28	4270	73900	87700	40400	40200	29500	31900	16600	6310	12300	7420	9210	
29	591	67000	65200	37900	37000	27700	34400	21000	5790	17500	12400	590	
30	619	53700	64600	33000	----	32000	39200	21300	4020	25800	11700	591	
31	4940	---	56600	25400	- ---	31800	---	22000	---	43000	16300	---	
TOTAL	165960	554892	1779500	1055200	598480	777300	871000	970610	232042	352950	641211	156784	
MEAN	5354	18500	57400	34040	20640	25070	29030	31310	7735	11390	20680	5226	
MAX	9930	73900	135000	46700	40200	35100	46200	69400	18600	43000	74200	10900	
MIN	591	611	20300	21200	9280	12100	13300	9080	531	571	591	580	
CFSM	.53	1.83	5.68	3.37	2.04	2.48	2.87	3.10	.77	1.13	2.05	.52	
IN.	.61	2.04	6.55	3.89	2.20	2.86	3.21	3.57	.85	1.30	2.36	.58	
CAL YR 1983	TOTAL	8167894		MEAN	22380	MAX	140000	MIN	200	CFSM	2.22	IN.	30.08
WTR YR 1984	TOTAL	8155929		MEAN	22280	MAX	135000	MIN	531	CFSM	2.21	IN.	30.03

MOBILE RIVER BASIN

MOBILE RIVER MAIN STEM

02411600 (NWS 01-8859-5) COOSA RIVER AT WETUMPKA, AL

LOCATION.--Lat 32°32'13", long 86°12'32", in sec. 13, T. 18 N., R. 18 E., Elmore County, Hydrologic Unit 03150107, on downstream side of bridge on State Highway 14, in Wetumpka, and at mile 11.45.

DRAINAGE AREA.--10,148 mi² (revised).

PERIOD OF RECORD.--1893 to current year (gage heights only). October 1971 to current year in reports of Geological Survey. 1900 to December 1971 in reports of National Weather Service.

GAGE.--Nonrecording gage. Datum of gage is 113.72 ft National Geodetic Vertical Datum of 1929.

COOPERATION.--Records furnished by National Weather Service.

EXTREMES (AT 0700) FOR PERIOD OF RECORD.--Maximum gage height, 57.9 ft Apr. 8, 1938; minimum gage height 2.5 ft Aug. 4, 1925.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Apr. 1, 1886, reached a stage of 61.7 ft, from floodmarks.

EXTREMES (AT 0700) FOR CURRENT YEAR.--Maximum gage height, 39.91 ft Dec. 4; minimum gage height, 9.58 ft June 11.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
INSTANTANEOUS OBSERVATIONS AT 0700

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	11.50	25.10	27.10	15.68	20.76	18.86	16.32	13.32	11.58	23.09	12.25
2	---	12.89	22.00	23.69	17.20	19.78	18.35	18.76	11.99	11.47	25.31	---
3	---	12.29	23.48	21.97	15.29	19.46	18.35	18.06	11.37	12.60	33.06	---
4	---	11.87	39.91	20.74	14.22	19.02	18.35	26.23	11.96	11.97	34.06	11.23
5	---	11.57	37.55	20.09	13.39	18.41	22.59	28.57	11.73	12.52	32.32	11.65
6	11.82	11.44	37.55	19.62	14.32	18.10	20.79	27.88	12.39	12.17	27.31	12.17
7	11.70	11.38	38.17	19.41	13.25	19.25	19.97	22.26	11.46	15.27	21.73	12.62
8	11.56	11.93	39.09	16.74	13.17	18.19	19.95	26.72	12.09	11.81	19.87	12.73
9	11.39	12.32	34.94	16.58	---	17.96	18.67	26.32	12.10	12.21	16.73	---
10	11.34	12.17	33.34	18.80	---	14.56	19.13	26.24	11.05	12.59	14.04	11.30
11	11.07	11.90	32.80	18.47	13.22	13.53	19.76	25.31	9.58	11.80	14.04	---
12	12.08	12.20	31.48	22.19	13.52	12.62	18.14	20.13	10.97	12.02	12.66	---
13	11.91	10.87	---	20.17	14.32	12.03	15.71	18.26	10.97	12.62	12.47	---
14	12.31	10.87	---	20.30	14.69	12.75	16.51	17.49	11.54	11.89	11.79	---
15	11.70	12.42	24.95	18.22	16.24	12.26	11.96	17.54	12.06	12.03	12.32	---
16	11.86	12.41	---	16.95	19.86	11.51	11.49	15.68	12.28	11.86	11.84	---
17	11.58	12.50	21.37	15.77	19.95	11.94	11.19	13.45	11.31	12.27	12.33	---
18	11.65	12.60	20.74	17.18	15.24	12.24	11.20	12.55	10.68	11.52	12.32	---
19	12.50	11.89	18.77	19.94	15.89	12.36	11.99	11.76	11.72	11.43	11.93	11.70
20	11.96	11.84	19.89	20.80	14.30	12.24	12.48	11.43	11.16	11.36	11.50	11.68
21	12.02	13.44	17.12	20.84	14.08	12.57	11.99	11.60	12.28	11.22	11.58	11.38
22	11.50	12.82	17.00	18.84	---	16.55	14.68	12.63	12.18	11.07	12.20	---
23	11.66	12.81	18.36	17.37	---	19.04	13.89	13.70	12.25	11.36	12.21	---
24	11.81	18.36	19.14	16.15	---	18.47	14.66	13.56	11.73	11.37	12.52	---
25	11.97	22.78	20.51	19.96	---	18.32	14.22	11.94	12.11	11.37	12.70	---
26	11.97	22.51	16.78	23.04	---	15.04	14.79	11.32	12.49	13.24	11.33	---
27	12.01	21.41	15.08	23.08	---	19.05	14.43	11.03	12.21	13.23	10.70	---
28	12.01	26.01	21.43	---	21.80	19.11	15.06	10.99	12.14	13.23	11.04	---
29	11.83	29.37	31.97	---	18.95	19.84	18.90	12.42	12.07	13.23	11.39	---
30	11.51	28.56	31.02	20.12	---	18.41	18.35	13.52	12.15	13.23	12.87	---
31	11.25	---	29.80	16.85	---	18.46	---	14.78	---	18.72	13.43	---
MEAN	---	14.90	---	---	---	16.25	16.21	17.37	11.78	12.40	16.22	---
MAX	---	29.37	---	---	---	20.76	22.59	28.57	13.32	18.72	34.06	---
MIN	---	10.87	---	---	---	11.51	11.19	10.99	9.58	11.07	10.70	---

MOBILE RIVER BASIN

75

02412000 TALLAPOOSA RIVER NEAR HEFLIN, AL

LOCATION.--Lat 33°37'22", long 85°31'20", in NW¼ sec. 20, T. 16 S., R. 11 E., Cleburne County, Hydrologic Unit 03150108, on right bank 5 ft downstream from county road bridge, 2.2 mi upstream from Cane Creek, 4 mi south-east of Heflin, and at mile 186.8.

DRAINAGE AREA.--448 mi² (revised).

PERIOD OF RECORD.--July 1952 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 830 ft.

REMARKS.--Records good. Slight diurnal fluctuation caused by small mills above station. Records of specific conductance and water temperature for the water year 1984 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--32 years, 721 ft³/s, 21.86 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 32,500 ft³/s Mar. 31, 1977, gage height, 31.34 ft; minimum daily, 13 ft³/s Oct. 9, 10, 13, 14, 20-22, 1954.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 4,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Nov. 25	0900	6,120	16.41	Dec. 29	1500	5,800	15.89
Dec. 4	2100	6,240	16.61	May 5	0300	9,440	21.05
Dec. 7	2100	*10,500	*21.96	Aug. 2	1600	5,510	15.40

Minimum discharge, 102 ft³/s Oct. 10, 11.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	113	154	685	1040	834	1230	917	1390	928	609	4620	579
2	111	154	571	923	803	1060	856	1220	788	511	5250	462
3	109	153	2800	869	802	968	1300	5220	706	456	3370	413
4	107	158	5970	823	863	907	1910	8410	650	418	1940	388
5	112	164	4530	792	832	1000	1640	9010	601	405	1360	384
6	116	168	8220	768	781	1130	1250	4370	562	426	1030	361
7	115	166	10000	733	729	998	1050	1680	537	463	869	340
8	111	165	9470	693	700	898	950	1610	515	429	755	321
9	108	160	3900	663	692	832	1090	1700	491	375	658	307
10	105	161	1160	1080	705	789	1160	1360	470	345	586	297
11	121	160	1300	2130	794	768	1100	1180	457	323	559	291
12	178	158	2380	1410	797	751	986	1070	441	314	600	296
13	598	157	1810	1050	1810	745	914	985	422	344	647	322
14	558	170	1170	913	2170	741	894	933	409	339	670	285
15	298	407	985	845	1510	721	912	893	398	336	590	266
16	222	616	845	817	1140	722	863	843	385	371	517	253
17	187	429	750	783	984	804	845	799	372	388	480	240
18	167	305	691	949	895	843	846	769	358	753	447	228
19	157	251	651	1900	842	795	868	736	347	1170	439	220
20	150	848	620	1480	814	938	2890	681	340	616	433	214
21	145	1180	590	1080	778	2630	3000	752	326	453	425	209
22	144	729	941	927	764	2460	1810	950	326	397	398	201
23	178	977	1170	864	932	1290	1510	819	405	425	381	194
24	231	5230	932	1410	984	1040	1240	725	463	491	364	193
25	213	5800	731	2600	921	979	1060	677	385	450	344	192
26	197	1940	697	1540	854	920	950	679	374	417	331	191
27	181	890	698	1250	2500	871	2020	725	344	369	332	183
28	167	1590	3380	1160	3060	1230	2310	891	320	351	385	174
29	160	1590	5510	1050	1820	1720	2720	1930	363	386	1170	171
30	157	919	2710	956	---	1270	1970	2690	567	628	1670	171
31	154	---	1260	884	---	1030	---	1470	---	2300	913	---
TOTAL	5670	25949	77127	34382	32110	33080	41831	57167	14050	16058	32533	8346
MEAN	183	865	2488	1109	1107	1067	1394	1844	468	518	1049	278
MAX	598	5800	10000	2600	3060	2630	3000	9010	928	2300	5250	579
MIN	105	153	571	663	692	721	845	677	320	314	331	171
CFSM	.41	1.93	5.55	2.48	2.47	2.38	3.11	4.12	1.04	1.16	2.34	.62
IN.	.47	2.15	6.40	2.85	2.67	2.75	3.47	4.75	1.17	1.33	2.70	.69

CAL YR 1983	TOTAL	349762	MEAN	958	MAX	10000	MIN	68	CFSM	2.14	IN.	29.04
WTR YR 1984	TOTAL	378303	MEAN	1034	MAX	10000	MIN	105	CFSM	2.31	IN.	31.41

MOBILE RIVER BASIN

02413300 LITTLE TALLAPOOSA RIVER NEAR NEWELL, AL

LOCATION.--Lat 33°26'14", long 85°23'57", in SW¼ sec. 21, T. 18 S., R. 12 E., Randolph County, Hydrologic Unit 03150108, near right bank on downstream side of bridge on County Highway 82, 1.0 mi upstream from Cut Nose Creek, and 2.0 mi east of Newell.

DRAINAGE AREA.--406 mi² (revised).

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

GAGE.--Water-stage recorder. Datum of gage is 813.96 ft National Geodetic Vertical Datum of 1929.

REMARKS.--Records good. Low flow is affected by regulation from gristmill located 3.2 mi upstream. Records of specific conductance and water temperature for the water year 1984 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--9 years, 669 ft³/s, 22.38 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 14,100 ft³/s Mar. 16, 1976, gage height, 18.18 ft; minimum, 37 ft³/s Oct. 6, 1981.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of February 1975 reached a stage of 19.3 ft from information by local resident.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 4,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec. 4	0300	4,100	9.90	Dec. 28	1100	4,970	11.13
Dec. 6	0800	*6,610	*13.18	Aug. 2	1800	5,600	11.91

Minimum discharge, 76 ft³/s Sept. 27.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	113	138	619	1310	678	1560	900	1090	891	451	3810	428
2	112	139	485	937	643	1090	808	936	666	332	4650	340
3	105	137	2500	786	631	910	1280	1810	562	295	4830	291
4	103	139	3550	710	694	817	1780	2600	501	280	3800	270
5	106	140	2840	663	696	883	1750	2660	456	273	2320	261
6	119	141	4970	630	623	1010	1380	2360	425	281	1450	247
7	122	143	3920	585	577	897	1050	1720	398	286	1030	231
8	117	141	3440	544	552	781	905	1310	380	262	849	220
9	114	142	2590	517	536	706	1070	1160	362	246	687	214
10	114	141	1670	902	554	670	1180	949	348	230	574	212
11	124	142	1910	1380	665	647	1040	803	336	217	456	207
12	138	142	2450	1200	672	630	907	720	327	204	427	201
13	226	140	2200	905	1460	633	831	659	313	200	458	195
14	211	144	1770	743	1620	644	813	630	302	277	678	191
15	197	217	1180	675	1310	616	801	597	291	617	582	187
16	168	287	841	659	1000	601	751	559	279	425	399	180
17	148	290	693	627	842	617	715	526	270	392	351	173
18	139	235	612	929	751	636	684	502	261	432	320	168
19	135	207	562	1700	701	629	688	486	253	606	376	167
20	131	521	526	1490	671	1170	2210	474	248	444	396	189
21	127	781	496	1090	636	2380	2490	605	242	331	331	176
22	126	631	697	848	648	2270	2080	759	241	283	315	167
23	160	672	1070	772	862	1960	1510	694	294	298	287	162
24	200	2840	990	1150	840	1350	1190	588	291	352	263	157
25	205	2340	702	1360	722	1060	971	523	272	343	240	157
26	176	1950	544	1200	667	916	840	658	263	289	228	148
27	159	1300	553	1090	2390	842	919	996	246	320	249	121
28	148	1500	3420	1030	2460	1350	1280	758	229	355	595	129
29	144	1310	3170	909	2100	2030	1410	1070	252	808	1070	154
30	140	915	2730	807	---	1520	1330	1450	449	1840	900	159
31	137	---	1990	732	---	1100	---	1310	---	3430	600	---
TOTAL	4464	17965	55690	28880	27201	32925	35563	31962	10648	15399	33521	6102
MEAN	144	599	1796	932	938	1062	1185	1031	355	497	1081	203
MAX	226	2840	4970	1700	2460	2380	2490	2660	891	3430	4830	428
MIN	103	137	485	517	536	601	684	474	229	200	228	121
CFSM	.35	1.48	4.42	2.30	2.31	2.62	2.92	2.54	.87	1.22	2.66	.50
IN.	.41	1.65	5.10	2.65	2.49	3.02	3.26	2.93	.98	1.41	3.07	.56
CAL YR 1983	TOTAL	296068	MEAN	811	MAX	6020	MIN	76	CFSM	2.00	IN.	27.13
WTR YR 1984	TOTAL	300320	MEAN	821	MAX	4970	MIN	103	CFSM	2.02	IN.	27.52

MOBILE RIVER BASIN

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02414500 TALLAPOOSA RIVER AT WADLEY, AL

LOCATION.--Lat 33°07'00", long 85°33'39", in SW¼ sec. 12, T. 22 S., R. 10 E., Randolph County, Hydrologic Unit 03150109, on left bank 50 ft upstream from bridge on State Highway 22, 1 mi downstream from Beaver Dam Creek, and at mile 125.3.

DRAINAGE AREA.--1,675 mi² (revised).

PERIOD OF RECORD.--September 1923 to current year.

GAGE.--Water-stage recorder. Datum of gage is 599.87 ft National Geodetic Vertical Datum of 1929. June 17, 1959, to Sept. 30, 1970, nonrecording gage at same site and datum. Prior to June 17, 1959, at site 0.2 mi upstream at datum 1.46 ft higher.

REMARKS.--Records fair. Flow regulated by Harris Reservoir and hydroelectric plant above station. Records of specific conductance and water temperature for the water year 1984 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--61 years, 2,608 ft³/s, 21.14 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 89,100 ft³/s Apr. 14, 1979, gage height, 30.57 ft, present site and datum; minimum daily discharge, 45 ft³/s Oct. 2-4, 1954.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 37,300 ft³/s Dec. 7, gage height, 19.36 ft; minimum, 82 ft³/s Oct. 3.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1	298	875	4910	6170	2970	8500	761	4010	4500	546	10500	2690	
2	201	301	2970	4340	2850	7300	5800	4030	4000	2110	15700	503	
3	127	245	8790	5280	4790	3070	5480	9320	360	2250	20900	161	
4	1450	276	11000	3900	4380	949	7770	14000	5200	446	12900	3040	
5	2450	265	5820	4720	2380	4480	6740	16700	2000	1500	6470	1250	
6	365	206	19400	5340	5190	5950	6190	16200	810	2010	5270	792	
7	417	503	34400	1440	4640	5080	3560	13000	690	431	5400	1070	
8	257	202	27300	1210	3680	3980	992	2940	1900	164	4860	1830	
9	167	313	21000	2900	2330	3390	7110	5610	1100	1360	4330	259	
10	156	325	15600	6160	2250	1980	4920	3350	240	2260	4570	1760	
11	287	949	8250	4660	1430	395	2950	4800	1700	1970	1800	4300	
12	2370	181	6280	5700	3190	5220	1060	4000	1290	1270	476	3830	
13	348	107	6970	6510	5550	3440	1060	510	1320	1630	4040	3980	
14	1030	520	6740	1690	4900	2280	462	3600	2390	359	4660	3970	
15	133	876	6920	809	4350	832	460	4000	2530	165	4390	2140	
16	201	2080	4070	2680	4810	1590	428	3700	649	1550	4290	326	
17	187	1960	2320	2290	4720	1070	418	3500	278	936	2390	750	
18	320	2190	740	5190	3480	1050	406	3600	956	1000	940	151	
19	777	879	2470	8980	2020	4690	399	380	2270	1120	349	617	
20	291	1090	2320	4470	4260	5070	3290	390	1460	2260	1390	1860	
21	524	4290	1880	4340	4250	8260	3860	5800	221	1790	389	202	
22	140	2710	895	1400	4600	6840	4690	3500	367	385	1120	308	
23	191	3240	1590	4570	4490	6130	7840	3100	476	590	326	260	
24	213	10500	4530	3850	1130	4530	5150	2000	388	997	189	901	
25	183	8740	9790	7390	355	1940	4610	2500	482	1960	171	1030	
26	142	7410	1700	6510	332	4750	4270	2000	1070	1710	162	1280	
27	775	8970	3460	5120	8700	4950	5740	2000	908	2520	916	752	
28	697	8580	7170	3120	8780	5390	2630	4000	801	2100	1820	257	
29	404	6820	10500	3010	8360	5260	839	4200	842	722	2430	281	
30	141	5600	9440	5550	---	7050	6930	6700	1240	2940	5190	314	
31	259	---	9200	3570	---	4520	---	5000	---	8670	5910	---	
TOTAL	15501	81203	258425	132869	115167	129936	106815	158440	42438	49721	134248	40864	
MEAN	500	2707	8336	4286	3971	4191	3561	5111	1415	1604	4331	1362	
MAX	2450	10500	34400	8980	8780	8500	7840	16700	5200	8670	20900	4300	
MIN	127	107	740	809	332	395	399	380	221	164	162	151	
CFSM	.30	1.62	4.98	2.56	2.37	2.50	2.13	3.05	.84	.96	2.59	.81	
IN.	.34	1.80	5.74	2.95	2.56	2.89	2.37	3.52	.94	1.10	2.98	.91	
CAL YR 1983	TOTAL	1304287		MEAN	3573	MAX	34400	MIN	104	CFSM	2.13	IN.	28.97
WTR YR 1984	TOTAL	1265627		MEAN	3458	MAX	34400	MIN	107	CFSM	2.06	IN.	28.11

MOBILE RIVER BASIN

02414500 TALLAPOOSA RIVER AT WADLEY, AL--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.58	3.35	6.03	6.53	4.82	7.55	3.28	5.36	---	2.87	8.56	4.23
2	2.45	2.59	4.96	5.65	4.75	7.09	6.14	5.39	---	3.89	10.84	2.66
3	2.20	2.50	8.16	6.17	5.83	4.94	6.30	7.83	---	4.09	13.13	2.17
4	3.67	2.56	9.21	5.39	5.65	3.38	7.25	10.25	---	2.65	9.76	4.37
5	4.27	2.57	6.55	5.85	4.45	5.53	6.88	11.39	---	3.33	6.51	3.31
6	2.63	2.49	12.70	6.09	6.06	6.50	6.58	11.17	---	3.91	5.75	2.90
7	2.70	2.93	18.47	3.65	5.78	6.03	5.12	9.84	---	2.62	5.79	2.87
8	2.52	2.33	15.79	3.49	5.24	5.40	3.44	4.72	---	2.22	5.64	3.85
9	2.33	2.61	13.18	4.71	4.42	5.08	6.72	6.56	---	3.22	5.17	2.35
10	2.30	2.62	10.91	6.43	4.38	4.20	5.98	5.23	---	4.06	5.39	3.37
11	2.58	3.40	7.79	5.77	3.81	2.90	4.87	---	---	3.85	3.77	5.53
12	4.40	2.40	6.65	6.26	4.76	5.92	3.49	---	3.54	3.42	2.72	5.21
13	2.78	2.13	6.95	6.66	6.32	5.12	3.47	---	3.44	3.57	4.87	5.37
14	3.53	2.78	6.83	3.84	5.96	4.45	2.93	---	4.11	2.53	5.38	5.35
15	2.25	3.30	6.91	3.22	5.62	3.30	2.92	---	4.29	2.21	5.22	4.01
16	2.44	4.36	5.44	4.54	5.92	3.99	2.87	---	2.88	3.42	5.13	2.43
17	2.40	4.25	4.35	4.39	5.86	3.47	2.85	---	2.49	3.05	4.21	2.80
18	2.63	4.40	3.12	5.98	5.05	3.45	2.83	---	3.09	3.15	3.14	2.14
19	3.03	3.17	4.32	7.92	4.24	5.86	2.81	---	3.94	3.25	2.52	2.79
20	2.57	3.66	4.39	5.66	5.58	5.97	4.82	---	3.64	4.00	3.27	3.80
21	2.97	5.65	4.01	5.57	5.55	7.51	5.27	---	2.37	3.78	2.56	2.25
22	2.25	4.69	3.16	3.64	5.74	6.88	5.80	---	2.43	2.56	3.08	2.48
23	2.43	5.03	3.91	5.57	5.72	6.56	7.23	---	2.79	2.66	2.47	2.39
24	2.48	8.95	5.50	5.35	3.58	5.74	6.00	---	2.65	3.13	2.24	2.90
25	2.38	8.04	8.32	7.18	2.78	4.11	5.70	---	2.59	3.77	2.20	3.11
26	2.23	7.20	3.79	6.70	2.74	5.88	5.55	---	3.24	3.58	2.17	3.31
27	3.27	8.14	4.88	6.10	7.55	5.98	6.09	---	3.10	4.15	2.84	2.96
28	3.16	7.93	6.95	4.94	7.76	6.19	4.48	---	3.04	3.92	3.69	2.39
29	2.84	7.09	8.63	4.86	7.54	6.08	3.29	---	3.05	3.07	4.19	2.45
30	2.23	6.39	8.04	6.16	---	6.98	6.60	---	3.45	4.49	5.70	2.51
31	2.40	---	7.90	5.14	---	5.75	---	---	---	7.55	6.02	---
MEAN	2.74	4.32	7.35	5.46	5.29	5.41	4.92	---	---	3.48	4.97	3.28
MAX	4.40	8.95	18.47	7.92	7.76	7.55	7.25	---	---	7.55	13.13	5.53
MIN	2.20	2.13	3.12	3.22	2.74	2.90	2.81	---	---	2.21	2.17	2.14

MOBILE RIVER BASIN

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02418500 TALLAPOOSA RIVER BELOW TALLASSEE, AL

LOCATION.--Lat 32°30'45", long 85°53'21", in E½ sec. 30, T. 18 N., R. 22 E., Tallapoosa County, Hydrologic Unit 03150110, on left bank, 1.5 mi downstream from Benjamin Fitzpatrick Highway bridge and Thurlow Dam at Tallassee, 3.5 mi upstream from Uphapee Creek, and at mile 48.1.

DRAINAGE AREA.--3,328 mi² (revised).

PERIOD OF RECORD.--July 1928 to current year.

GAGE.--Nonrecording gage since April 1975. Datum of gage is 164.01 ft National Geodetic Vertical Datum of 1929 (levels by Alabama Power Co.). July 1928 to March 1975 water-stage recorder.

REMARKS.--Records fair. Daily discharge computed on basis of powerplant records, flow over spillway, and measured leakage. Flow regulated by Lake Martin (station 02417500) and hydroelectric plants above station.

COOPERATION.--Records collected by Alabama Power Co., under general supervision of U.S. Geological Survey, in connection with a Federal Energy Regulatory Commission project.

AVERAGE DISCHARGE.--56 years, 4,897 ft³/s, 19.98 in/yr (unadjusted).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 128,000 ft³/s Feb. 25, 1961, gage height, 50.4 ft, computed on basis of powerplant records and flow over spillway, maximum gage height, 51.35 ft Mar. 15, 1929; minimum daily discharge, 10 ft³/s June 3, 1930, May 17, 1931.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 47,900 ft³/s Aug. 2, computed on basis of powerplant records and flow over spillway; minimum daily, 70 ft³/s for many days.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2050	2970	10500	10200	10300	9500	1570	5680	5390	70	15100	3470
2	1090	3800	10500	10100	10400	9500	6060	6010	3910	2470	47900	1280
3	3000	3260	10500	10100	9910	7940	6880	7630	1970	3030	44700	2660
4	2270	2850	10600	10100	9500	7810	6780	13200	5280	1100	21800	4170
5	2810	70	11000	10300	9500	7600	8000	13800	5110	2750	15400	3560
6	2800	530	12600	10300	9390	8000	7990	14400	3650	2330	9930	3890
7	2930	2650	17400	10300	9270	8000	7950	16000	2780	2550	9590	4150
8	1700	3730	26900	10300	9500	7970	2630	16200	2730	70	8000	1170
9	70	3430	26300	10100	9500	8000	6060	14000	790	2710	8000	70
10	2380	3510	21800	10400	9500	7780	7160	6880	70	3140	8000	5300
11	1360	4900	22000	10300	9500	5110	6500	4940	2900	3800	6330	5720
12	2180	2710	19100	10400	9580	5900	3200	3010	1800	2430	1370	5530
13	900	70	11600	10400	9500	7670	3170	70	2630	2560	6000	4580
14	2000	4830	11000	10400	9500	5940	720	4340	1530	70	8000	5900
15	70	5000	10600	10400	9500	5600	1410	2200	1740	70	8000	2550
16	570	5940	11000	10400	9500	5780	4350	2800	70	2980	8000	1240
17	1940	6280	10600	10400	9500	4890	2590	3770	70	2950	7390	3510
18	2760	6170	10100	10400	9500	70	2730	4390	4730	2670	5330	1820
19	1810	5730	10400	10400	9500	5350	1300	3290	5830	1740	1120	1250
20	1580	7750	10200	10400	9500	5230	910	70	3630	2000	5000	3940
21	1670	9600	10400	10400	9500	6330	730	6360	2950	1040	4000	3100
22	70	9600	10200	10400	9500	7670	2630	14200	2430	70	4410	70
23	70	9600	10000	10400	9500	5500	5580	7530	640	2990	4920	70
24	1720	9600	10400	10400	9380	3190	5010	4570	630	2930	5000	4530
25	2500	9600	10400	10400	5560	2330	6000	3700	2550	3110	70	2280
26	1930	9600	10100	10400	5890	5900	5390	70	1350	3460	70	2640
27	1500	9600	9980	10400	6400	6040	5170	2010	70	3580	3790	3520
28	1980	9700	11000	10400	8000	8140	3530	5120	70	70	4250	2950
29	800	10500	12300	10400	8870	7880	100	7710	520	4560	5000	1080
30	70	10500	10700	10400	---	8000	5350	7160	640	6670	4320	70
31	2650	---	10400	10400	---	5610	---	6140	---	10300	4550	---
TOTAL	51230	174080	400580	320500	264450	200230	127450	207250	68460	80270	285340	86070
MEAN	1653	5803	12920	10340	9119	6459	4248	6685	2282	2589	9205	2869
MAX	3000	10500	26900	10400	10400	9500	8000	16200	5830	10300	47900	5900
MIN	70	70	9980	10100	5560	70	100	70	70	70	70	70
CAL YR 1983 TOTAL	2402330			MEAN	†6877	MAX	38500	MIN	70	CFSM	†1.98	IN. †28.05
WTR YR 1984 TOTAL	2265910			MEAN	†6179	MAX	47900	MIN	70	CFSM	†1.86	IN. †25.27

† Adjusted for change in contents in Lake Martin.

MOBILE RIVER BASIN

02419000 UPHAPEE CREEK NEAR TUSKEGEE, AL

LOCATION.--Lat 32°28'36", long 85°41'42", on east line of sec. 12, T. 17 N., R. 23 E., Macon County, Hydrologic Unit 03150110, on left bank at downstream side of bridge on State Highway 81, 1 mi upstream from Red Creek, 1.2 mi upstream from bridge on Western Railway of Alabama, and 4 mi north of Tuskegee.

DRAINAGE AREA.--333 mi² (revised).

PERIOD OF RECORD.--October 1939 to September 1970. Flood hydrograph, water years 1971-74. October 1974 to current year.

REVISED RECORDS.--WSP 1384: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 223.65 ft National Geodetic Vertical Datum of 1929.

REMARKS.--Records fair except for period of no gage height record, Feb. 7 to Mar. 14, which are poor. Occasional diurnal fluctuation at low flows caused by small plant above station. Records of specific conductance and water temperature for the water year 1984 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--41 years (water years 1940-70, 1975-84), 440 ft³/s, 17.94 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 32,200 ft³/s Apr. 9, 1964, gage height, 28.18 ft; minimum daily discharge, 1939-70, 1974-75, 0.8 ft³/s Sept. 14, 1954.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in March 1929 reached a stage of about 2 ft higher than that of Apr. 9, 1964, from information by local resident.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 5,480 ft³/s Mar. 26, gage height, 13.13 ft, no other peak above base of 5,000 ft³/s; minimum 12 ft³/s Sept. 29.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	73	63	604	972	570	990	451	220	169	76	340	30
2	70	64	485	803	543	600	401	211	147	61	436	27
3	65	61	1270	713	531	521	618	430	131	57	390	33
4	62	61	2160	636	571	490	857	1360	118	44	304	43
5	61	62	2440	584	590	600	703	1720	108	38	200	39
6	60	62	1740	536	540	2600	504	664	97	35	152	36
7	55	61	1170	496	482	1800	426	367	89	66	123	30
8	53	61	947	456	443	1300	389	379	83	47	104	26
9	53	62	653	428	427	695	711	501	77	34	91	25
10	51	61	553	812	421	540	620	380	71	29	79	24
11	53	62	1460	1280	447	475	500	290	66	28	92	23
12	58	62	2420	1100	468	430	434	251	62	26	110	22
13	217	62	2810	704	840	400	374	222	58	36	101	22
14	283	91	1810	592	1980	385	342	200	56	66	113	21
15	162	237	1070	565	1250	365	322	196	54	46	98	21
16	121	280	788	577	760	352	303	195	52	79	74	21
17	106	197	630	561	610	341	290	194	50	59	66	21
18	97	158	555	1230	558	341	280	195	49	48	56	21
19	91	136	511	2310	518	330	265	195	48	44	50	20
20	84	484	480	2410	490	1170	354	195	46	43	47	20
21	79	649	447	1460	465	2850	390	215	44	33	44	19
22	78	389	1060	883	450	3030	331	345	48	42	40	19
23	98	285	1680	757	450	1120	364	271	75	113	37	19
24	107	1570	1440	885	448	668	300	207	70	72	36	20
25	95	1690	728	1200	430	2240	261	195	54	55	35	19
26	82	1310	493	1260	410	4100	238	195	44	40	33	19
27	73	603	508	1100	560	1870	277	217	38	33	32	18
28	69	1660	2480	1010	1050	1080	276	238	39	34	37	18
29	68	1570	3260	831	1480	835	259	312	41	62	45	17
30	66	1220	3190	707	---	654	254	242	76	72	36	18
31	63	---	1730	623	---	518	---	210	---	190	32	---
TOTAL	2753	13333	41572	28481	18782	33690	12094	11012	2160	1708	3433	711
MEAN	88.8	444	1341	919	648	1087	403	355	72.0	55.1	111	23.7
MAX	283	1690	3260	2410	1980	4100	857	1720	169	190	436	43
MIN	51	61	447	428	410	330	238	194	38	26	32	17
CFSM	.27	1.33	4.03	2.76	1.95	3.26	1.21	1.07	.22	.17	.33	.07
IN.	.31	1.49	4.64	3.18	2.10	3.76	1.35	1.23	.24	.19	.38	.08
CAL YR 1983	TOTAL	223461	MEAN	612	MAX	6460	MIN	19	CFSM	1.84	IN.	24.96
WTR YR 1984	TOTAL	169729	MEAN	464	MAX	4100	MIN	17	CFSM	1.39	IN.	18.96

MOBILE RIVER BASIN

81

02419890 (NWS 01-8038-N) TALLAPOOSA RIVER NEAR MONTGOMERY, AL

LOCATION.--Lat 32°26'23", long 86°11'44", in SE¼ sec. 19, T. 17 N., R. 19 E., Montgomery County, Hydrologic Unit 03150110, on left bank at the Clarence T. Perry (City of Montgomery) water purification plant, 4 mi northeast of Montgomery, 2.5 mi above U.S. Highway 231 bridge, and approximately 7 mi above mouth.

DRAINAGE AREA.--4,646 mi² (revised).

PERIOD OF RECORD.--October 1972 to current year (gage heights only). August 1966 to December 1970 in files of the Geological Survey. May to September 1972 in files of the National Weather Service.

GAGE.--Nonrecording gage. Datum of gage is 129.13 ft National Geodetic Vertical Datum of 1929.

REMARKS.--Flow is regulated by Lake Martin (station 02417500) and hydroelectric plants above station.

COOPERATION.--Records furnished by National Weather Service.

EXTREMES (AT 0700) FOR PERIOD OF RECORD.--Maximum gage height, 37.9 ft Apr. 15, 1979; minimum gage height, 0.1 ft Oct. 17, 1978.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Feb. 26, 1961, reached a stage of 41.9 ft from floodmarks.

EXTREMES (AT 0700) FOR CURRENT YEAR.--Maximum gage height, 28.9 ft Aug. 4; minimum gage height, 1.05 ft July 24.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
INSTANTANEOUS OBSERVATIONS AT 0700

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.00	3.65	15.40	17.80	11.80	14.20	9.20	9.10	8.30	1.90	11.65	7.05
2	3.00	4.25	13.30	15.50	11.60	12.70	6.30	9.20	4.85	2.20	14.60	5.35
3	2.40	4.10	12.10	13.00	11.35	11.60	7.00	8.65	5.50	1.20	23.15	3.95
4	3.25	4.00	18.75	11.85	11.18	10.15	11.00	11.80	4.00	1.70	28.90	2.35
5	3.65	4.30	22.60	11.00	10.92	10.20	11.50	17.00	5.10	1.90	26.40	5.25
6	3.70	3.90	21.10	10.60	10.89	9.85	11.70	17.90	7.10	3.10	18.80	5.80
7	4.45	3.20	22.85	10.10	10.30	12.00	10.70	18.20	5.05	3.50	12.60	5.25
8	4.25	3.30	22.65	10.10	10.82	13.10	10.40	17.70	4.50	2.70	11.90	5.40
9	3.45	5.80	22.65	11.35	10.60	12.70	7.00	17.40	3.75	3.20	10.75	2.65
10	3.90	4.60	23.15	11.50	10.61	11.54	9.80	16.90	2.40	1.30	9.85	2.52
11	1.10	---	23.00	12.40	10.90	10.30	10.70	13.05	2.15	2.00	10.25	5.47
12	2.45	4.60	21.15	13.00	11.00	8.60	9.75	9.30	2.15	3.55	9.30	6.08
13	2.85	5.10	21.00	12.60	11.15	8.90	7.65	6.95	3.05	4.60	4.20	5.30
14	2.65	2.95	18.71	11.65	12.20	9.78	6.92	4.25	2.85	3.85	8.25	7.00
15	5.75	6.85	18.00	11.50	13.08	8.85	6.15	6.60	3.70	3.90	9.75	6.90
16	3.50	8.60	15.60	12.05	12.80	8.70	5.81	5.25	3.70	2.90	9.80	5.38
17	1.45	8.65	13.80	11.75	11.80	8.30	6.78	5.25	5.20	2.80	9.50	4.20
18	2.15	8.30	14.20	11.30	11.40	8.05	5.92	5.30	1.65	3.40	9.35	4.40
19	3.20	8.13	14.40	13.70	10.40	4.25	6.15	6.60	1.90	3.40	7.75	5.10
20	5.15	7.30	14.03	15.90	12.75	7.90	6.15	4.90	7.65	2.95	3.65	3.62
21	2.45	8.80	12.00	15.20	12.15	8.00	3.45	4.20	7.30	2.35	7.25	3.20
22	2.15	11.20	12.20	14.35	12.10	11.75	4.40	6.82	6.20	2.95	7.40	3.45
23	1.55	12.50	12.80	13.60	12.20	13.10	4.80	13.40	5.20	1.90	6.35	2.75
24	1.25	10.75	14.50	12.50	12.20	13.40	8.20	11.00	5.00	1.05	7.50	1.50
25	1.18	14.50	13.70	12.40	11.05	12.50	7.50	7.80	2.20	3.15	6.95	5.20
26	4.60	14.85	13.00	12.70	9.00	13.30	7.80	6.00	1.96	3.50	3.10	3.70
27	3.12	14.60	12.00	13.85	9.00	13.00	8.40	3.15	2.65	4.10	1.20	4.20
28	3.53	13.75	11.50	13.68	12.30	15.55	8.30	2.15	2.15	5.40	4.60	5.90
29	4.60	16.15	18.95	13.10	13.90	15.75	8.50	6.80	1.85	2.70	5.95	4.80
30	3.90	16.20	19.55	13.00	---	11.50	8.10	9.30	1.90	7.15	6.80	3.20
31	1.50	---	19.00	12.35	---	10.50	---	9.40	---	8.20	6.60	---
MEAN	3.10	---	17.02	12.75	11.43	10.97	7.87	9.40	4.03	3.18	10.13	4.56
MAX	5.75	---	23.15	17.80	13.90	15.75	11.70	18.20	8.30	8.20	28.90	7.05
MIN	1.10	---	11.50	10.10	9.00	4.25	3.45	2.15	1.65	1.05	1.20	1.50

MOBILE RIVER BASIN

MOBILE RIVER MAIN STEM

02419988 (NW 01-5550-06) ALABAMA RIVER AT MONTGOMERY, AL

LOCATION.--Lat 32°23'31", long 86°19'04", in SW¼ sec. 1, T. 16 N., R. 18 E., Montgomery County, Hydrologic Unit 03150201, on left bank of river in an abandoned pumping station of the Riverview Manufacturing Co. at 715 Shady St., in Montgomery, 9.3 mi upstream from U.S. Highway 31 bridge.

DRAINAGE AREA.--15,023 mi² (revised).

PERIOD OF RECORD.--December 1890 to current year (gage heights only). October 1971 to current year in reports of Geological Survey. 1900 to December 1971 in reports of National Weather Service.

GAGE.--Nonrecording gage. Datum of gage is 103.30 ft National Geodetic Vertical Datum of 1929. Prior to July 1, 1970, located 0.4 mi downstream on left bank at foot of Commerce Street at same datum.

REMARKS.--Flow affected by operation of reservoirs on Etowah, Coosa, and Tallapoosa Rivers. (See reservoirs in Mobile River basin.) Stage regulated by Jones Bluff lock and dam since January 1972.

COOPERATION.--Records furnished by National Weather Service.

EXTREMES (AT 0700) FOR PERIOD OF RECORD.--Maximum gage height, 58.1 ft Feb. 26, 1961, from floodmarks; minimum gage height, -4.0 ft Sept. 22, 1925.

EXTREMES (AT 0700) FOR CURRENT YEAR.--Maximum gage height, 39.31 ft Dec. 7; minimum gage height, 19.94 ft June 11.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
INSTANTANEOUS OBSERVATIONS AT 0700

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	21.92	21.22	29.53	31.36	24.36	26.88	25.03	24.59	22.55	21.57	26.67	21.97
2	21.47	21.37	23.47	29.11	24.62	26.10	25.12	25.07	21.44	21.52	28.73	21.25
3	21.56	22.13	26.03	27.73	23.45	25.96	25.09	25.02	21.29	22.17	34.03	20.93
4	21.15	21.60	35.96	26.80	23.15	25.73	27.49	28.38	21.71	22.04	36.10	20.01
5	21.19	21.43	38.78	26.29	22.66	25.20	27.52	31.40	21.61	22.45	36.00	21.16
6	21.56	21.31	37.63	26.00	22.31	25.04	26.91	31.10	22.33	22.07	34.42	21.69
7	21.53	21.27	39.31	25.83	22.38	25.57	26.36	30.74	21.69	22.04	28.35	22.17
8	21.27	21.64	38.00	24.84	22.39	25.86	26.67	30.10	21.81	21.79	26.31	22.29
9	21.13	22.17	36.90	24.63	22.61	25.12	25.49	29.91	21.92	22.16	24.61	22.04
10	21.17	21.88	35.73	25.42	22.02	23.55	25.59	29.77	20.98	22.22	23.39	21.09
11	21.00	---	35.86	25.83	22.19	22.67	26.21	29.32	19.94	21.77	22.65	21.16
12	21.61	21.91	34.07	27.13	22.39	22.15	24.96	26.40	20.66	21.81	22.29	21.86
13	22.00	21.40	32.43	26.88	23.31	21.54	23.79	25.24	20.79	22.28	24.44	21.82
14	22.16	21.23	31.24	26.34	23.34	22.32	23.85	24.64	21.38	21.72	21.74	21.72
15	21.59	22.07	29.72	25.64	23.93	22.09	21.96	24.54	21.99	21.12	21.87	21.98
16	21.72	22.05	28.07	25.06	26.12	21.33	21.76	23.79	22.10	21.86	21.47	21.59
17	21.49	22.30	27.23	24.00	26.38	21.75	21.18	23.20	21.28	22.33	22.04	21.07
18	21.56	21.63	26.71	24.59	24.02	22.16	21.31	22.27	20.64	21.27	22.04	20.93
19	22.21	21.66	25.53	26.74	23.87	22.28	21.89	21.54	21.39	21.45	21.67	21.39
20	22.06	21.86	26.05	27.57	23.45	22.08	22.44	21.46	22.05	21.48	21.24	21.23
21	21.86	22.20	25.40	27.77	23.28	21.81	21.94	21.40	21.97	21.42	21.37	21.09
22	21.34	21.98	24.57	26.41	23.38	23.74	22.45	21.58	21.93	21.11	21.84	21.22
23	21.53	21.81	25.78	25.14	22.84	25.60	22.74	22.02	22.13	21.29	21.80	20.62
24	21.64	23.53	25.85	24.64	22.47	25.30	22.67	22.27	21.73	21.26	22.24	19.99
25	21.89	27.97	---	26.17	22.30	25.41	22.29	21.32	22.11	21.23	22.15	20.52
26	21.76	27.61	---	27.48	22.19	24.13	22.85	21.19	22.39	21.28	22.07	21.22
27	21.79	26.83	---	28.05	22.16	25.89	22.57	20.95	22.06	21.81	20.59	21.53
28	21.78	28.06	26.23	27.49	22.69	26.53	23.10	21.01	22.07	21.70	20.50	20.05
29	21.65	31.25	33.65	27.35	26.40	26.18	25.18	22.31	22.00	22.35	21.09	20.71
30	21.31	31.40	33.58	26.40	---	25.09	25.00	---	22.13	22.38	22.41	20.53
31	21.19	---	33.22	25.39	---	25.24	---	22.75	---	24.67	22.23	---
MEAN	21.58	---	---	26.45	23.33	24.20	24.05	---	21.67	21.86	24.46	21.26
MAX	22.21	---	---	31.36	26.40	26.88	27.52	---	22.55	24.67	36.10	22.29
MIN	21.00	---	---	24.00	22.02	21.33	21.18	---	19.94	21.11	20.50	19.99

MOBILE RIVER BASIN

83

MOBILE RIVER MAIN STEM

02420000 ALABAMA RIVER NEAR MONTGOMERY, AL

LOCATION.--Lat 32°24'41" (corrected), long 86°24'30", in NW¼ sec. 31, T. 17 N., R. 17 E., Montgomery County, Hydrologic Unit 03150201, in pier near midstream of bridge on U.S. Highway 31, 4 mi upstream from Autauga Creek, 6 mi northwest of Montgomery, and at mile 287.6.

DRAINAGE AREA.--15,087 mi² (revised).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--January 1899 to December 1904 (gage heights only). October 1927 to current year. Published as "at Montgomery" 1899-1903. REVISED RECORDS.--WSP 1142: 1929.

GAGE.--Water-stage recorder and velocity meter (May 26, 1977). Datum of gage is 97.90 ft National Geodetic Vertical Datum of 1929. January 1899 to December 1903, nonrecording gage at site 9.3 mi upstream at different datum (station 02419988). Since Feb. 18, 1970, auxiliary gage located 3.0 mi downstream on right bank. Mar. 27, 1951, to Feb. 17, 1970, National Weather Service nonrecording gage (station 02419988) used as auxiliary gage.

REMARKS.--Water-discharge records fair. Flow regulated by reservoirs on Etowah, Coosa, and Tallapoosa Rivers. (See Reservoirs in Mobile River basin.) Since January 1972, gage in pool at Robert F. Henry lock and dam.

AVERAGE DISCHARGE.--57 years, 24,380 ft³/s, 21.94 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 283,000 ft³/s Feb. 26, 1961, maximum gage height, 60.65 ft Feb. 27, 1961; minimum discharge prior to 1972, 2,180 ft³/s Nov. 24, 1941, since 1972 negative flows for part of many days; minimum daily discharge, 1,840 ft³/s Oct. 15, 1978, minimum gage height, -2.2 ft Sept. 26, 1954.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since 1833, 62.7 ft Apr. 1, 1886, from floodmarks, discharge, 322,000 ft³/s from rating curve extended above 276,000 ft³/s. Flood of Mar. 30, 1888, reached a stage of 60.6 ft from floodmarks, discharge, 283,000 ft³/s from rating curve extended above 276,000 ft³/s. Elevations of floodmarks of both floods referred to National Weather Service gage 9.3 mi upstream and transferred to present site by gage height relation curve.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 116,000 ft³/s Dec. 5, 6, maximum gage height, 41.16 ft Dec. 7, minimum daily discharge, 2,130 ft³/s July 22, since 1972 negative flows for part of many days.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1	8000	6500	70000	80000	48600	52000	35200	33100	29000	4050	53400	21600	
2	2400	14000	61000	67000	44100	46000	35000	36200	25000	7570	81200	8950	
3	9000	14000	56000	54000	44500	42000	43000	40700	11200	14600	99700	8840	
4	7600	11000	114000	50000	40700	40000	57000	70800	14700	11200	105000	9190	
5	6500	6900	116000	51000	33900	37000	55200	80200	17700	14100	104000	9300	
6	7600	2600	116000	46000	30100	39000	49700	81200	19000	14100	75600	8910	
7	8300	6400	115000	42000	37300	42000	46200	79800	16000	13200	57600	10800	
8	7400	7900	114000	36000	34200	44000	44600	77600	13400	5970	45900	10400	
9	2500	12000	112000	36800	33800	38000	40800	76200	10900	12500	39700	7820	
10	7400	11000	110000	41000	34800	30000	40200	75800	6480	20900	35100	8910	
11	7600	8900	106000	48400	35000	27000	37300	71500	7890	16200	29500	11100	
12	7500	9300	104000	51300	31300	26000	29700	45000	10600	13500	18300	18700	
13	10000	3900	91000	61700	31800	21000	28200	38700	8130	14200	26700	15900	
14	16000	6100	83000	60400	32400	25000	36000	34000	6190	6240	19600	14600	
15	9400	15000	70000	56700	36600	23000	23100	33800	9760	3830	25000	12400	
16	3400	15000	58000	50600	42200	18000	22700	31600	7020	8120	19700	6440	
17	6800	21000	53000	45300	54900	19300	21400	28900	4760	19600	18900	8650	
18	7500	18000	50000	40500	33000	16200	17900	28000	7570	17400	18300	10500	
19	11000	17000	44000	42000	30000	23000	15900	24600	13000	18300	10700	6110	
20	10000	19000	46000	54600	30000	21400	20100	14300	12900	18000	13300	5310	
21	9700	25000	39000	61000	27000	28800	26200	16400	13200	18300	12300	5560	
22	6200	24000	34000	60800	28000	39800	21100	25800	7600	2130	12600	7390	
23	3000	25000	40000	56400	30000	46100	28200	27000	6280	11300	11400	4390	
24	6700	43000	43000	50300	30000	43900	29500	25600	4090	10500	11900	3860	
25	8600	66000	43000	46700	27000	48500	22900	23400	7380	8180	11300	5220	
26	8700	59000	35000	57200	20000	36400	21800	14700	10600	8240	5250	5590	
27	9200	53000	33000	66200	27000	46400	21200	11200	7630	11300	7980	6400	
28	6700	67000	64000	66100	53000	49500	24000	12900	8970	12200	8100	6210	
29	4600	84000	96000	64800	52000	42000	37700	25200	6280	21400	10900	4940	
30	2700	81000	98000	62700	---	36000	36900	28800	8910	24400	19400	2300	
31	4300	---	93000	56700	---	37000	---	29000	---	41600	21000	---	
TOTAL	226300	752500	2307000	1664200	1033200	1084300	968700	1242000	332140	423130	1029330	266290	
MEAN	7300	25080	74420	53680	35630	34980	32290	40060	11070	13650	33200	8876	
MAX	16000	84000	116000	80000	54900	52000	57000	81200	29000	41600	105000	21600	
MIN	2400	2600	33000	36000	20000	16200	15900	11200	4090	2130	5250	2300	
CFSM	.48	1.66	4.93	3.56	2.36	2.32	2.14	2.66	.73	.90	2.20	.59	
IN.	.56	1.86	5.69	4.10	2.55	2.67	2.39	3.06	.82	1.04	2.54	.66	
CAL YR 1983	TOTAL	11406550		MEAN	31250	MAX	160000	MIN	1500	CFSM	2.07	IN.	28.13
WTR YR 1984	TOTAL	11329090		MEAN	30950	MAX	116000	MIN	2130	CFSM	2.05	IN.	27.93

MOBILE RIVER BASIN
MOBILE RIVER MAIN STEM

02420000 ALABAMA RIVER NEAR MONTGOMERY, AL--Continued
(National stream-quality accounting network station)

WATER-QUALITY RECORDS

PERIOD OF RECORD.--August 1969 to September 1973, September 1974 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: July 1975 to September 1981.

WATER TEMPERATURES: July 1975 to September 1981.

REMARKS.--Miscellaneous samples of chemical data published for water years 1968-69.

EXTREMES FOR PERIOD OF RECORD.-

SPECIFIC CONDUCTANCE: (July 1975-September 1977, 1980) Maximum, 176 microsiemens Sept. 30, 1977; minimum, 46 microsiemens Apr. 3, 1977.

WATER TEMPERATURES: (July 1975-September 1977, 1980-81) Maximum, 31.5°C Aug. 12-14, 1977; minimum, 2.5°C Jan. 20-21, Feb. 3, 1977.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAM- FLOW INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAN- DARD UNITS)	TEMPER- ATURE WATER (DEG C)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD- NESS (MG/L AS CaCO3)	HARD- NESS, NONCAR- BONATE (MG/L AS CaCO3)	CALCIUM SOLVED (MG/L AS CA)
OCT 17...	1045	5,000	122	7.7	22.5	2.7	7.1	230	25	42	0	11
FEB 21...	1130	28,000	83	7.0	10.0	14	11.1	K35	K19	30	3	8.1
APR 17...	1230	31,000	96	6.9	16.0	15	9.8	2400	63	36	2	10
AUG 14...	1200	23,500	101	7.0	26.0	1.1	8.1	120	K21	37	2	10

DATE	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LINITY LAB (MG/L AS CaCO3)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2)	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)
OCT 17...	3.6	7.4	27	0.5	1.4	42	1.6	8.8	7.9	<.10	6.4	74
FEB 21...	2.4	3.7	20	.3	1.1	27	5.2	6.1	3.8	<.10	6.7	54
APR 17...	2.7	3.8	18	.3	1.1	34	8.3	6.8	3.8	<.10	6.2	64
AUG 14...	2.9	4.9	22	.4	1.4	35	6.8	9.8	3.8	.10	6.0	65

DATE	SOLIDS, SUM OF CONSTITUENTS, DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	PHOS- PHORUS, ORTHO, DIS- SOLVED (MG/L AS P)	ALUM- INUM, DIS- SOLVED (UG/L AS AL)	ARSENIC DIS- SOLVED (UG/L AS AS)	BARIUM, DIS- SOLVED (UG/L AS BA)
OCT 17...	72	0.10	0.110	<.010	0.60	0.030	0.010	0.010	10	2	47
FEB 21...	48	.07	.300	.040	<.10	.180	.020	.020	40	1	30
APR 17...	55	.09	.230	.020	1.1	.030	.020	<.010	<10	1	38
AUG 14...	60	.09	.160	<.010	.40	.040	.030	<.010	<10	1	47

DATE	BERYL- LIUM, DIS- SOLVED (UG/L AS BE)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	COBALT, DIS- SOLVED (UG/L AS CO)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, DIS- SOLVED (UG/L AS PB)	LITHIUM DIS- SOLVED (UG/L AS LI)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MERCURY DIS- SOLVED (UG/L AS HG)
OCT 17...	<.5	<1	2	<3	2	67	1	8	3	0.2
FEB 21...	<.5	<1	<1	<3	1	120	3	<4	28	<.1
APR 17...	.6	<1	2	<3	4	150	3	<4	29	.1
AUG 14...	<.5	<1	<1	<3	2	50	1	<4	1	.1

MOBILE RIVER BASIN

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MOBILE RIVER MAIN STEM

02420000 ALABAMA RIVER NEAR MONTGOMERY, AL--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	MOLYB- DENUM DIS- SOLVED (UG/L AS MO)	NICKEL, DIS- SOLVED (UG/L AS NI)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	SILVER, DIS- SOLVED (UG/L AS AG)	STRON- TIUM, DIS- SOLVED (UG/L AS SR)	VANA- DIUM DIS- SOLVED (UG/L AS V)	ZINC, DIS- SOLVED (UG/L AS ZN)
OCT 17...	<10	1	<1	<1	39	<6	<3
FEB 21...	<10	1	<1	<1	27	<6	4
APR 17...	<10	5	<1	<1	36	<6	20
AUG 14...	<10	1	<1	1	34	<6	8

DATE	TIME	STREAM- FLOW INSTAN- TANEOUS (CFS)	SEDI- MENT SUS- PENDE (MG/L)	SEDI- MENT DIS- CHARGE SUS- PENDE (T/DAY)	SED- MENT SUS- PENDE SIEVE DIAM. % FINER THAN .062 MM
OCT 17...	1045	5,000	17	81	98
JAN 13...	1120	55,300	17	2,540	--
FEB 17...	1230	48,200	13	1,690	--
FEB 21...	1130	28,000	11	832	93
MAR 16...	1110	27,400	10	740	--
APR 17...	1230	31,000	23	1,920	94
AUG 14...	1200	23,500	17	1,080	97

MOBILE RIVER BASIN

02421000 CATOMA CREEK NEAR MONTGOMERY, AL

LOCATION.--Lat 32°18'26", long 86°17'58", in center sec. 6, T. 15 N., R. 18 E., Montgomery County, Hydrologic Unit 03150201, on right bank on downstream side of bridge on U.S. Highway 331, 5 mi south of Montgomery.

DRAINAGE AREA.--290 mi² (revised).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--June 1952 to September 1971, October 1971 to September 1974 (flood hydrograph only), October 1974 to current year.

REVISED RECORDS.--WSP 1384: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 151.02 ft National Geodetic Vertical Datum of 1929.

REMARKS.--Water-discharge records fair.

AVERAGE DISCHARGE.--29 years (water years 1953-71, 1975-84), 371 ft³/s, 17.37 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 48,600 ft³/s Feb. 25, 1961, gage height, 28.65 ft; no flow for many days in some years.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Nov. 28, 1948, reached a stage of 27.5 ft at present site and datum; discharge, 38,300 ft³/s.

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

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec. 29	2000	5,110	18.44	Aug. 4	0200	5,230	18.61
Mar. 27	0200	*5,900	*19.57				

Minimum discharge, 0.83 ft³/s July 28.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1	6.3	9.6	736	787	158	778	95	115	21	2.1	35	48	
2	5.7	10	207	282	133	225	82	62	15	1.8	2490	41	
3	5.5	10	215	216	132	149	547	378	13	1.8	4500	39	
4	5.1	9.9	1260	179	313	121	724	890	10	2.2	4570	81	
5	5.0	11	1680	156	311	126	669	940	8.5	20	2740	39	
6	4.9	11	1360	138	226	820	415	940	7.1	19	614	34	
7	4.9	12	917	122	155	1140	188	562	6.2	2.2	205	31	
8	4.8	12	609	109	120	1100	131	191	5.6	1.7	121	29	
9	5.0	11	290	97	105	550	474	125	5.1	1.6	90	26	
10	4.9	12	164	1000	99	207	458	318	4.2	1.5	77	25	
11	5.5	12	709	1720	103	132	302	154	3.4	6.0	78	23	
12	8.2	12	1950	1000	178	105	156	73	5.5	1.4	116	20	
13	24	12	1570	508	1280	93	111	50	5.7	1.8	298	19	
14	7.7	67	1440	232	1370	83	92	51	3.1	9.7	276	18	
15	6.1	105	542	182	648	75	77	44	4.0	1.4	225	16	
16	6.2	35	210	194	305	66	67	30	8.7	7.1	152	15	
17	9.6	28	137	262	212	61	60	25	11	9.7	90	14	
18	9.2	23	109	1320	174	58	55	22	4.1	4.3	72	13	
19	9.0	20	95	2490	139	54	52	21	3.8	11	65	11	
20	8.5	394	85	2530	118	148	50	18	3.4	20	68	10	
21	8.5	649	79	1810	103	128	47	35	3.9	8.2	76	9.0	
22	9.4	399	648	575	112	402	60	27	3.2	4.3	94	8.3	
23	41	200	1650	252	299	196	48	20	10	2.7	65	7.9	
24	13	1500	935	234	225	139	43	18	3.4	2.1	54	7.6	
25	9.7	2240	384	612	146	1710	42	17	2.4	1.8	49	7.4	
26	8.9	1660	189	876	110	4420	39	16	2.1	2.6	47	6.9	
27	9.4	1400	220	877	1520	4800	49	26	2.0	1.2	45	6.4	
28	8.8	1400	2450	733	2350	1560	38	23	2.0	2.1	53	5.9	
29	8.9	1830	4440	453	1450	314	143	70	13	10	66	5.4	
30	9.7	1220	4480	270	---	182	200	20	6.6	116	65	5.0	
31	11	---	2670	197	---	119	---	22	---	47	52	---	
TOTAL	284.4	13314.5	32430	20413	12594	20061	5514	5303	197.0	324.3	17548	621.8	
MEAN	9.17	444	1046	658	434	647	184	171	6.57	10.5	566	20.7	
MAX	41	2240	4480	2530	2350	4800	724	940	21	116	4570	81	
MIN	4.8	9.6	79	97	99	54	38	16	2.0	1.2	35	5.0	
CFSM	.03	1.53	3.61	2.27	1.50	2.23	.63	.59	.02	.04	1.95	.07	
IN.	.04	1.71	4.16	2.62	1.62	2.57	.71	.68	.03	.04	2.25	.08	
CAL YR 1983	TOTAL	208323.6		MEAN	571	MAX	9020	MIN	2.0	CFSM	1.97	IN.	26.72
WTR YR 1984	TOTAL	128605.0		MEAN	351	MAX	4800	MIN	1.2	CFSM	1.21	IN.	16.50

MOBILE RIVER BASIN

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02421000 CATOMA CREEK NEAR MONTGOMERY, AL--Continued

WATER-QUALITY RECORDS

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

REMARKS.--Miscellaneous samples of chemical data published for water years 1968-69 and 1971.

COOPERATION.--Water-quality samples were collected by the U.S. Geological Survey and analyzed by the Geological Survey of Alabama.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	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)
OCT 05...	0825	4.8	294	--	23.0	--	--	--	--	--
NOV 14...	1350	162	150	--	16.0	--	--	--	--	--
DEC 14...	1445	1510	94	7.8	11.5	10.2	36	6	13	0.90
MAR 02...	1230	213	161	7.2	8.5	10.9	75	17	28	1.3
15...	1525	76	200	--	16.0	--	--	--	--	--
JUN 11...	1515	3.1	130	--	34.0	--	--	--	--	--
JUL 13...	1215	3.0	340	7.0	29.0	7.1	120	0	45	1.7
23...	1530	2.2	150	--	32.0	--	--	--	--	--
SEP 04...	1450	57	300	--	26.0	--	--	--	--	--
DATE	SODIUM, DIS- SOLVED (MG/L AS NA)	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LINITY FIELD (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)
DEC 14...	1.8	9	0.1	2.1	30	0.9	5.2	2.3	0.10	6.6
MAR 02...	3.7	9	.2	1.5	59	7.2	11	5.0	.10	3.5
JUL 13...	6.3	10	.3	2.3	130	25	11	9.7	.20	2.4
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, NITRITE DIS- SOLVED (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)		
DEC 14...	50	0.07	206	--	0.010	0.010	--	--		
MAR 02...	90	.12	52	0.120	<.01	--	0.120	0.020		
JUL 13...	160	.21	1.3	<.05	<.01	--	<.01	--		
DATE	ARSENIC DIS- SOLVED (UG/L AS AS)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	COBALT, DIS- SOLVED (UG/L AS CO)	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)	STRON- TIUM, DIS- SOLVED (UG/L AS SR)	ZINC, DIS- SOLVED (UG/L AS ZN)
DEC 14...	<1	1	<1	<1	290	3	<10	0.2	80	30
MAR 02...	2	1	<1	<1	210	<1	40	<.1	180	70
JUL 13...	5	2	1	<1	80	1	110	.1	260	10

MOBILE RIVER BASIN

MOBILE RIVER MAIN STEM

02421351 ALABAMA RIVER BELOW ROBERT F. HENRY LOCK AND DAM, NEAR BENTON, AL
(Formerly published as Alabama River below Jones Bluff Lock and Dam, near Benton)

LOCATION.--Lat 32°19'38", long 86°47'08", in NW¼ sec. 32, T. 16 N., R. 13 E., Lowndes County, Hydrologic Unit 03150201, at downstream end of Robert F. Henry Lock and Dam, 2 mi upstream from Big Swamp Creek, 2.5 mi north-east of Benton, 5 mi downstream from Ivy Creek, and at mile 245.4.

DRAINAGE AREA.--16,233 mi² (revised).

PERIOD OF RECORD.--January 1972 to current year (elevations only).

GAGE.--Nonrecording gage. Datum of gage is National Geodetic Vertical Datum of 1929.

COOPERATION.--Records furnished by Corps of Engineers.

EXTREMES (AT 0700) FOR PERIOD OF RECORD.--Maximum elevation, 133.0 ft Apr. 18, 1979; minimum, 78.0 ft Nov. 7, 1978.

EXTREMES (AT 0700) FOR CURRENT YEAR.--Maximum elevation, 120.0 ft Dec. 8; minimum, 78.5 ft Oct. 31.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
INSTANTANEOUS OBSERVATIONS AT 0700

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	79.50	78.70	107.00	110.70	95.90	99.30	95.00	95.10	91.10	80.40	98.20	84.30
2	79.80	78.80	103.30	106.40	93.10	99.40	94.50	94.40	88.50	80.20	100.90	81.10
3	79.00	79.70	101.30	102.60	93.30	96.60	99.50	95.00	81.70	81.90	109.60	79.90
4	79.20	80.30	107.80	98.80	92.10	96.40	101.90	101.30	79.80	80.80	114.20	79.90
5	79.20	80.00	116.80	98.50	87.90	95.00	101.30	106.90	80.20	80.30	115.80	80.10
6	79.20	80.20	118.10	97.30	91.20	95.20	98.80	108.30	80.10	81.10	113.30	80.00
7	79.40	79.30	118.60	97.20	85.20	95.30	97.50	107.90	81.70	82.70	105.20	80.00
8	79.60	79.50	120.00	95.20	87.60	98.00	97.40	106.40	79.70	80.40	99.90	80.00
9	79.80	79.50	118.60	94.80	90.40	96.40	96.20	105.60	80.00	80.70	95.50	79.90
10	79.00	80.10	116.30	94.80	87.70	93.10	98.10	104.90	79.80	81.10	94.40	79.90
11	79.10	80.00	114.00	99.30	86.90	92.10	96.20	104.80	79.80	82.20	90.80	79.80
12	79.20	79.70	113.70	99.70	83.90	87.20	96.20	100.20	79.50	80.50	83.20	79.90
13	82.80	79.90	111.40	100.10	91.40	87.90	92.10	96.10	79.50	79.90	86.50	80.70
14	83.20	79.40	109.20	98.00	95.00	86.00	91.70	94.50	79.30	79.80	81.70	80.20
15	80.10	80.10	106.70	97.30	92.70	83.30	87.60	93.80	79.10	80.00	83.60	80.10
16	80.10	81.40	103.30	95.30	96.30	83.20	83.60	92.20	79.20	79.50	81.90	79.90
17	79.70	84.00	100.70	95.30	98.10	81.10	83.00	92.10	79.30	79.70	81.10	79.50
18	79.70	81.40	98.60	93.60	95.90	80.90	82.00	90.00	79.20	82.30	80.50	79.50
19	79.80	81.00	98.40	99.20	92.00	88.90	80.60	86.00	78.80	84.80	80.50	79.60
20	80.40	81.00	96.90	101.80	92.20	88.50	84.10	82.00	79.80	81.00	79.60	79.90
21	79.80	85.00	97.20	100.80	91.30	82.00	86.60	80.80	79.80	80.90	79.60	79.80
22	79.90	85.90	94.00	100.10	92.60	89.70	83.50	86.50	79.70	80.50	79.40	79.70
23	80.10	84.80	95.90	97.40	91.10	95.40	90.40	90.80	79.90	79.70	79.60	79.50
24	79.50	93.00	96.40	95.40	92.10	95.50	91.70	86.00	80.10	79.20	79.70	79.70
25	79.70	103.60	96.20	97.40	88.00	96.50	91.90	86.50	79.70	79.40	79.70	79.70
26	79.80	102.90	96.80	99.20	84.80	97.20	84.70	81.10	79.60	79.30	79.70	79.50
27	80.10	100.20	94.30	102.30	86.30	94.40	90.40	80.20	79.90	79.50	79.70	79.30
28	79.90	102.10	96.60	101.40	96.40	100.70	86.20	80.00	80.30	79.70	79.70	79.30
29	80.00	106.70	108.90	101.00	101.20	97.60	93.90	81.90	80.20	83.80	79.80	79.40
30	79.50	108.40	112.70	99.90	---	96.20	93.80	92.00	80.30	84.60	84.40	79.10
31	78.50	---	112.90	96.70	---	94.50	---	91.30	---	91.50	82.00	---
MEAN	79.83	85.89	105.89	98.95	91.47	92.37	91.68	93.37	80.52	81.21	89.02	79.97
MAX	83.20	108.40	120.00	110.70	101.20	100.70	101.90	108.30	91.10	91.50	115.80	84.30
MIN	78.50	78.70	94.00	93.60	83.90	80.90	80.60	80.00	78.80	79.20	79.40	79.10
CAL YR 1983	MEAN	90.09	MAX	125.90	MIN	78.50						
WTR YR 1984	MEAN	89.22	MAX	120.00	MIN	78.50						

MOBILE RIVER BASIN

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02422500 MULBERRY CREEK AT JONES, AL

LOCATION.--Lat 32°34'58", long 86°54'13", in E½ sec. 31, T. 19 N., R. 12 E., Dallas County, Hydrologic Unit 03150201, on right bank 70 ft downstream from highway bridge, 0.4 mi west of Jones, 6 mi upstream from Buck Creek, and 11 mi upstream from mouth.

DRAINAGE AREA.--203 mi² (revised).

PERIOD OF RECORD.--October 1938 to September 1970, October 1970 to September 1974 (flood hydrograph only), October 1974 to current year. Prior to October 1959, published as Mulberry "River" at Jones.

REVISED RECORDS.--WSP 1384: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 165.23 ft National Geodetic Vertical Datum of 1929. Prior to June 2, 1939, nonrecording gage at site 50 ft upstream at same datum.

REMARKS.--Records good. Records of specific conductance and water temperature for the water year 1984 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--42 years (water years 1939-70, 1975-84), 323 ft³/s, 21.61 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 32,800 ft³/s Aug. 16, 1939, gage height, 30.38 ft; minimum daily discharge, 27 ft³/s Oct. 6, 1954.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known, 33.6 ft in April 1938, from information by local residents, discharge, 48,000 ft³/s, from rating curve extended above 30,000 ft³/s.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 4,010 ft³/s Dec. 28, gage height, 9.02 ft, no other peak above base of 4,000 ft³/s; minimum, 70 ft³/s July 27.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	104	99	375	502	406	560	422	246	185	226	274	93
2	101	99	330	467	393	450	394	309	164	522	1240	86
3	94	99	460	448	440	439	1250	894	149	265	1510	86
4	96	101	1130	417	559	423	872	970	139	152	468	114
5	103	103	631	403	440	923	590	484	130	123	323	116
6	105	100	2170	377	370	1000	484	371	127	110	229	97
7	96	96	1200	356	336	624	430	307	122	172	203	87
8	94	98	652	328	327	526	409	470	118	637	172	82
9	95	101	523	317	323	477	611	457	114	208	147	79
10	93	102	462	585	471	436	515	319	111	135	131	77
11	115	97	702	667	715	420	421	276	110	114	128	76
12	151	96	860	433	542	405	384	244	120	101	157	78
13	181	98	577	379	850	400	361	221	110	105	340	80
14	148	113	551	357	645	376	427	207	115	141	388	79
15	116	185	460	369	512	357	549	213	106	113	276	78
16	109	189	383	390	481	345	384	195	110	101	169	77
17	105	121	355	365	473	384	347	174	131	97	139	76
18	102	110	334	746	430	405	318	166	102	186	128	81
19	101	111	320	1180	390	350	314	161	96	198	116	78
20	97	725	303	577	370	763	743	156	91	135	113	76
21	93	400	294	470	350	734	429	173	90	92	107	75
22	98	196	372	416	330	472	386	234	87	88	101	74
23	171	352	371	439	310	405	373	220	105	83	99	74
24	176	1320	289	661	300	417	288	177	186	80	93	80
25	126	516	239	974	480	705	255	160	113	76	89	79
26	118	313	219	706	750	507	241	151	93	75	155	78
27	110	525	288	671	850	512	285	151	82	88	197	77
28	105	2100	3040	586	1000	923	279	190	79	240	144	76
29	103	723	1930	509	750	771	288	735	94	284	113	75
30	101	448	691	479	---	536	255	373	247	205	102	75
31	99	---	535	429	---	462	---	228	---	259	98	---
TOTAL	3506	9736	21046	16003	14593	16507	13304	9632	3626	5411	7949	2459
MEAN	113	325	679	516	503	532	443	311	121	175	256	82.0
MAX	181	2100	3040	1180	1000	1000	1250	970	247	637	1510	116
MIN	93	96	219	317	300	345	241	151	79	75	89	74
CFSM	.56	1.60	3.34	2.54	2.48	2.62	2.18	1.53	.60	.86	1.26	.40
IN.	.64	1.78	3.86	2.93	2.67	3.02	2.44	1.77	.66	.99	1.46	.45
CAL YR 1983	TOTAL	181864	MEAN	498	MAX	5620	MIN	92	CFSM	2.45	IN.	33.33
WTR YR 1984	TOTAL	123772	MEAN	338	MAX	3040	MIN	74	CFSM	1.67	IN.	22.68

MOBILE RIVER BASIN
MOBILE RIVER MAIN STEM

02423000 ALABAMA RIVER AT SELMA, AL

LOCATION.--Lat 32°24'20", long 87°01'07", in SE¼ sec. 36, T. 17 N., R. 10 E., Dallas County, Hydrologic Unit 03150201, in first pier from right bank of Edmund Pettus Bridge on U.S. Highway 80, in Selma, 1 mi upstream from Valley Creek, and at mile 214.8.

DRAINAGE AREA.--17,095 mi² (revised).

PERIOD OF RECORD.--January to December 1899 (gage heights only), January 1900 to December 1913, and June 1928 to September 1970. October 1971 to current year (gage heights only). Gage-height records December 1890 to December 1971 are contained in reports of National Weather Service.

REVISED RECORDS.--WSP 662: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 61.80 ft National Geodetic Vertical Datum of 1929. Prior to June 22, 1928, nonrecording gage, June 22, 1928 to Apr. 11, 1938, water-stage recorder, and Apr. 12, 1938 to May 22, 1940, nonrecording gage all at site 300 ft upstream at same datum.

REMARKS.--Records good. Flow affected by operation of reservoirs on Etowah, Coosa, Tallapoosa, and Alabama Rivers. (See Reservoirs in Mobile River basin.) Stage affected by Millers Ferry lock and dam since November 1968.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 57.97 ft Mar. 1, 1961; minimum gage height, -2.20 ft Nov. 1, 1904.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Apr. 8, 1886, reached a stage of 57.0 ft present site and datum, from floodmarks established by Corps of Engineers.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 44.91 ft Dec. 8; minimum, 17.61 ft Sept. 30.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	18.61	17.63	33.73	37.13	23.99	27.70	24.49	24.46	22.13	18.83	25.76	20.37
2	18.30	18.26	30.84	33.51	23.39	26.92	24.11	23.60	21.53	18.76	29.17	19.70
3	18.34	19.04	28.92	29.78	23.57	25.50	25.61	24.90	19.33	19.26	35.24	19.17
4	18.31	19.31	34.10	27.10	22.87	25.24	28.57	30.01	18.85	19.39	38.46	19.13
5	18.36	18.92	40.47	26.50	21.61	24.86	29.87	33.72	18.60	19.63	39.73	19.06
6	18.27	18.78	42.82	25.96	22.49	25.27	29.05	34.74	18.54	19.52	37.62	19.12
7	18.55	18.34	44.48	25.57	21.32	25.89	27.20	34.14	18.78	19.71	32.15	19.28
8	18.50	18.42	44.91	24.35	21.57	26.58	26.25	32.87	18.87	19.21	27.30	19.29
9	18.25	18.81	43.93	23.69	22.39	25.47	26.13	31.98	19.15	19.46	24.24	18.94
10	18.17	19.10	42.19	24.85	22.06	23.57	25.59	31.34	18.88	20.05	22.97	18.88
11	18.28	19.03	40.26	26.98	22.20	22.72	26.45	30.82	18.66	20.22	21.92	19.02
12	18.42	18.93	38.95	27.74	20.91	21.67	25.12	27.61	18.58	19.61	20.61	19.44
13	18.87	18.71	37.01	27.95	---	21.55	23.02	24.82	18.61	19.22	20.53	19.94
14	19.43	18.57	35.11	26.55	---	21.24	22.74	23.75	18.28	18.84	20.43	19.52
15	19.27	19.23	32.90	25.80	---	21.16	21.91	23.27	18.25	18.41	21.15	19.35
16	18.87	19.73	30.12	24.52	---	21.19	20.96	22.63	18.26	18.20	20.40	18.77
17	18.78	20.42	27.96	24.12	---	20.31	21.10	21.86	17.90	18.67	19.55	18.48
18	18.81	20.08	26.73	24.21	---	19.92	20.43	21.73	17.87	19.70	19.21	18.84
19	19.10	19.88	26.16	27.61	---	21.68	19.90	21.58	17.92	19.83	19.13	18.61
20	19.34	20.28	25.54	29.39	---	21.03	20.63	19.99	18.81	19.96	18.91	18.29
21	19.20	21.30	25.20	28.77	---	22.86	21.88	19.36	19.17	19.99	18.75	18.18
22	18.94	21.37	23.89	27.52	---	22.51	21.36	20.38	18.82	18.79	18.84	18.22
23	18.72	21.67	24.50	25.75	---	24.55	22.43	21.37	18.70	18.49	18.94	18.05
24	18.64	24.74	25.26	24.54	---	24.87	22.60	21.15	18.52	18.46	18.91	17.87
25	18.86	29.78	25.32	25.98	22.27	26.04	22.81	21.42	18.49	18.37	19.08	17.75
26	18.88	29.87	24.56	28.06	21.12	25.84	20.80	20.09	18.90	18.33	18.66	17.68
27	19.01	28.01	23.44	29.65	22.62	26.24	21.83	19.12	19.12	18.59	18.36	17.68
28	18.80	30.34	27.58	29.04	26.94	27.92	21.52	18.92	18.95	18.99	18.47	17.75
29	18.59	33.48	35.55	28.26	28.77	26.71	23.99	20.20	18.92	19.87	18.66	17.70
30	18.31	34.71	38.51	27.03	---	25.37	24.60	22.06	18.99	20.61	19.34	17.61
31	17.83	---	38.78	25.07	---	24.61	---	22.32	---	22.72	19.95	---
MEAN	18.66	21.89	32.89	27.19	---	24.10	23.76	24.72	18.88	19.34	23.30	18.72
MAX	19.43	34.71	44.91	37.13	---	27.92	29.87	34.74	22.13	22.72	39.73	20.37
MIN	17.83	17.63	23.44	23.69	---	19.92	19.90	18.92	17.87	18.20	18.36	17.61

MOBILE RIVER BASIN

91

02423425 CAHABA RIVER NEAR CAHABA HEIGHTS, AL

LOCATION.--Lat 33°24'56", long 86°44'23", in NW¼ sec. 3, T. 19 S., R. 2 W., Shelby County, Hydrologic Unit 03150202, on left bank 700 ft upstream from bridge on county road, 2.5 mi upstream from Little Shades Creek, 3.0 mi south of Cahaba Heights, 3.4 mi downstream from Little Cahaba River, and 144.9 miles above mouth.

DRAINAGE AREA.--201 mi².

WATER-DISCHARGE RECORDS

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

GAGE.--Water-stage recorder and concrete control. Altitude of gage is 410 ft, from topographic map.

REMARKS.--Water-discharge records good except those below 10 ft³/s, which are poor. An average of 82 ft³/s is diverted above station by Birmingham Water Works Co., and is not included in records except about 7 ft³/s which is returned to river above station. Flow partly regulated by Purdy Lake (capacity 15,300 acre-ft) on Little Cahaba River.

AVERAGE DISCHARGE.--9 years, 331 ft³/s, 22.36 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 23,400 ft³/s Apr. 13, 1979, gage height 28.86 ft; minimum daily, 0.10 ft³/s Oct. 26 to Nov. 6, 1978.

EXTREMES FOR CURRENT YEAR.-- Peak discharge above base of 4,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Nov. 28	1045	6,950	16.21	Dec. 28	1445	6,180	15.27
Dec. 3	1045	*11,200	*20.33				

Minimum discharge, 1.5 ft³/s Nov. 18, 19, July 17, 20.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15	7.7	301	545	256	472	288	729	200	215	215	22
2	14	12	257	438	226	402	226	606	170	71	216	18
3	6.7	15	9390	399	217	358	1710	2330	140	21	241	9.8
4	8.1	14	6580	349	206	273	1500	2560	98	9.9	148	8.2
5	7.0	17	2340	309	176	644	948	1280	88	26	270	4.3
6	14	12	2970	262	150	1100	620	810	70	12	186	5.3
7	14	8.7	1950	221	122	697	456	563	104	170	109	24
8	8.1	8.3	1110	166	113	577	368	693	65	113	61	23
9	8.7	11	733	139	103	403	736	514	61	23	37	11
10	8.7	17	510	825	123	271	716	369	64	28	30	12
11	28	29	702	1640	160	230	545	288	45	9.3	28	19
12	29	9.1	762	884	155	188	434	226	31	25	65	15
13	50	13	611	549	439	166	367	187	31	27	40	7.8
14	34	30	587	405	548	158	311	152	34	38	31	5.3
15	23	65	451	338	475	141	262	118	47	13	30	21
16	15	42	323	310	385	177	216	83	44	8.9	46	31
17	5.6	10	291	251	320	190	195	66	40	5.0	42	13
18	7.3	1.7	267	559	261	133	157	69	31	15	28	12
19	13	1.6	237	914	202	91	174	50	25	28	31	5.7
20	9.9	121	214	646	206	134	1330	39	33	1.8	43	5.6
21	10	137	213	468	188	211	997	66	42	6.7	19	25
22	21	53	566	338	189	173	727	91	52	13	11	27
23	45	292	540	320	184	147	705	55	219	19	35	29
24	30	1020	406	2390	164	154	470	36	148	11	52	13
25	28	337	295	2120	154	248	356	21	45	5.3	28	13
26	12	141	238	1130	145	228	273	68	26	10	19	5.6
27	6.6	835	343	682	942	214	947	900	59	17	12	3.8
28	7.0	5290	4710	477	911	539	1880	800	37	6.9	3.3	5.3
29	12	1230	2530	405	619	812	2190	650	28	35	48	14
30	6.0	511	1250	337	---	530	1100	450	46	47	19	20
31	11	---	778	313	---	380	---	300	---	214	32	---
TOTAL	507.7	10291.1	42455	19129	8339	10441	21204	15169	2123	1244.8	2175.3	428.7
MEAN	16.4	343	1370	617	288	337	707	489	70.8	40.2	70.2	14.3
MAX	50	5290	9390	2390	942	1100	2190	2560	219	215	270	31
MIN	5.6	1.6	213	139	103	91	157	21	25	1.8	3.3	3.8
CFSM	.08	1.71	6.82	3.07	1.43	1.68	3.52	2.43	.35	.20	.35	.07
IN.	.09	1.90	7.86	3.54	1.54	1.93	3.92	2.81	.39	.23	.40	.08
CAL YR 1983	TOTAL	181101.4	MEAN	496	MAX	9390	MIN	1.6	CFSM	2.47	IN.	33.52
WTR YR 1984	TOTAL	133507.6	MEAN	365	MAX	9390	MIN	1.6	CFSM	1.82	IN.	24.71

02423425 CAHABA RIVER NEAR CAHABA HEIGHTS, AL--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--November 1979 to current year.

REMARKS.--Miscellaneous samples of chemical data published for water year 1979.

COOPERATION.--Water-quality samples were collected by the U.S. Geological Survey and analyzed by the Geological Survey of Alabama.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	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)
MAY										
28...	0945	98	282	--	22.0	--	--	--	--	--
28...	1345	604	162	--	16.0	--	--	--	--	--
JUL										
30...	1215	58	247	7.3	23.5	--	110	10	34	5.4
SEP										
19...	0850	12	238	7.3	20.5	7.0	120	10	38	6.0
DATE	SODIUM, DIS- SOLVED (MG/L AS Na)	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LINITY FIELD (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)
JUL										
30...	3.7	7	0.2	4.6	100	9.7	8.2	3.2	<.10	7.4
SEP										
19...	5.1	8	.2	6.1	110	11	6.8	3.1	.10	8.2
DATE	SOLIDS, SUM OF CONSTITUENTS, 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, NITRITE DIS- SOLVED (MG/L AS N)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)	PHOS- PHORUS, ORTHO, DIS- SOLVED (MG/L AS P)			
JUL										
30...	130	0.17	20	0.240	0.010	0.250	--			
SEP										
19...	140	.19	--	.390	.010	.400	0.150			
DATE	ARSENIC DIS- SOLVED (UG/L AS AS)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	COBALT, DIS- SOLVED (UG/L AS CO)	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)	STRON- TIUM, DIS- SOLVED (UG/L AS SR)	ZINC, DIS- SOLVED (UG/L AS ZN)
JUL										
30...	3	<1	1	<1	20	3	10	0.2	59	<10
SEP										
19...	--	<1	<1	1	10	2	<10	.8	60	<10

MOBILE RIVER BASIN

93

02423500 CAHABA RIVER NEAR ACTON, AL

LOCATION.--Lat 33°21'48", long 86°48'47", in SE¼ sec. 23, T. 19 S., R. 3 W., Jefferson County, Hydrologic Unit 03150202 on right bank at downstream side of highway bridge (Bains Bridge), 0.5 mi upstream from Patton Creek, 1 mi downstream from U.S. Highway 31, 1 mi northwest of Acton, 16 mi south of Birmingham, and at mile 136.8.

DRAINAGE AREA.--230 mi².

PERIOD OF RECORD.--October 1938 to September 1957, October 1983 to September 1984.

REVISED RECORDS.--WSP 1384: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 375.00 ft National Geodetic Vertical Datum of 1929. Prior to Feb. 25, 1939, wire-weight gage at same site and datum.

REMARKS.--Records good. An average of 82 ft³/s is diverted above station by Birmingham Water Works Co., and is not included in records except about 7 ft³/s which is returned to river above station. Flow partly regulated by Purdy Lake (capacity 15,300 acre-ft) on Little Cahaba River. Records of specific conductance and water temperature for the water year 1984 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--20 years (water years 1939-57, 1984), 335 ft³/s.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 25,500 ft³/s Dec. 28, 1942, gage height, 44.23 ft Dec. 29, 1942; minimum discharge, no flow for several days each year 1953-56.

EXTREMES OUTSIDE OF PERIOD OF RECORD.--Flood of Apr. 13, 1979, reached a stage of 42.8 ft.

EXTREMES FOR CURRENT YEAR.--Peak discharge above base of 4,500 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Nov. 28	1430	8,290	24.56	Dec. 28	2245	7,710	23.37
Dec. 3	2200	*13,600	*34.62	May 3	2315	5,130	17.72

Minimum discharge, 3.6 ft³/s Sept. 21.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10	13	423	746	346	585	360	886	240	186	300	25
2	10	13	315	565	304	496	280	730	178	129	393	15
3	10	13	11300	498	285	448	2250	3050	132	30	335	16
4	10	13	11300	444	272	361	1990	3610	97	16	222	13
5	10	13	4370	393	235	830	1270	1660	89	25	317	8.4
6	11	11	4170	340	200	1410	818	1030	68	51	208	6.2
7	11	10	2700	299	163	883	568	735	106	767	151	10
8	11	9.0	1520	230	152	725	455	888	60	390	72	21
9	11	8.0	985	202	138	537	967	684	56	103	39	11
10	11	6.4	694	1010	165	369	922	465	67	50	30	9.5
11	33	12	860	2110	216	318	688	354	48	31	25	34
12	33	10	1030	1210	213	270	510	285	36	35	69	30
13	33	5.2	821	780	471	243	424	231	32	41	34	11
14	33	46	731	567	660	220	334	190	32	44	34	7.5
15	33	189	627	475	560	200	274	154	51	25	19	9.1
16	10	63	413	418	479	240	224	114	50	19	24	27
17	10	26	357	360	377	250	196	87	43	14	25	17
18	10	9.4	319	788	328	180	174	94	36	37	18	7.1
19	10	5.9	284	1240	250	130	182	66	28	81	18	6.4
20	10	313	253	900	236	200	1340	43	27	20	37	5.3
21	27	197	235	670	204	270	1290	67	46	14	17	13
22	27	75	632	517	204	230	830	128	57	15	10	20
23	27	668	704	526	200	200	871	79	333	16	9.3	25
24	27	1400	529	3110	180	260	517	53	202	14	62	16
25	27	466	378	2950	166	330	361	31	81	8.6	19	8.0
26	9.0	201	296	1580	149	300	269	184	27	8.1	18	8.2
27	9.0	1470	320	1020	1140	280	825	1200	48	66	18	5.8
28	9.0	7480	5400	717	1140	650	2120	1040	44	32	11	5.2
29	9.0	2280	4780	604	766	1010	2670	860	34	33	183	6.1
30	9.0	729	1760	509	---	700	1360	576	45	76	108	18
31	9.0	---	1080	410	---	474	---	350	---	208	29	---
TOTAL	509.0	15754.9	59586	26188	10199	13599	25339	19924	2393	2584.7	2854.3	414.8
MEAN	16.4	525	1922	845	352	439	845	643	79.8	83.4	92.1	13.8
MAX	33	7480	11300	3110	1140	1410	2670	3610	333	767	393	34
MIN	9.0	5.2	235	202	138	130	174	31	27	8.1	9.3	5.2
WTR YR 1984	TOTAL	179345.7	MEAN	490	MAX	11300	MIN	5.2				

MOBILE RIVER BASIN

02423647 CAHABA RIVER NEAR WEST BLOCTON, AL

LOCATION.--Lat 33°05'53", long 87°03'17", in NE¼ sec. 3, T. 24 N., R. 10 E., Bibb County, Hydrologic Unit 03150202, on left bank, 10 ft downstream from county road, 0.2 mi upstream from Little Ugly Creek, 4.4 mi east of West Blocton, and at mile 95.8.

DRAINAGE AREA.--593 mi² (revised).

PERIOD OF RECORD.--September 1976 to September 1984 (discontinued).

GAGE.--Water-stage recorder. Altitude of gage is 240 ft, from topographic map.

REMARKS.--Records good. An average of 82 ft³/s is diverted above station by Birmingham Water Works Co., and is not included in records except about 7 ft³/s which is returned to river above station. Flow partly regulated by Purdy Lake (capacity, 15,300 acre-ft) on Little Cahaba River. Records of specific conductance and water temperature for the water year 1984 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--8 years, 1,165 ft³/s, 26.68 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 41,200 ft³/s Apr. 13, 1979, gage height, 19.97 ft from flood marks; minimum daily discharge, 46 ft³/s Oct. 6-7, 1981.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 12,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Nov. 28	2300	16,700	12.05	Dec. 6	0900	14,700	11.23
Dec. 4	0800	*36,600	*18.66	Dec. 28	1300	15,300	11.48

Minimum discharge, 78 ft³/s Nov. 10, 11, 12, 13 .

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	115	91	1490	2130	1000	1620	1260	1990	563	177	525	189
2	107	92	1040	1690	895	1330	1060	1820	435	237	634	159
3	101	90	19000	1430	835	1160	5150	5120	368	244	1290	142
4	100	92	34000	1280	828	1040	6180	9010	307	170	753	540
5	101	98	19200	1150	773	1890	3410	4740	268	140	945	339
6	99	92	12900	1040	679	3970	2300	2600	244	151	822	187
7	95	93	8910	916	602	2650	1730	1860	235	228	439	155
8	93	89	4150	813	558	1930	1440	1940	242	1670	343	137
9	99	84	2690	715	537	1570	2800	1880	218	627	252	132
10	99	82	1950	1480	536	1210	2770	1270	194	261	285	145
11	90	79	1970	4710	741	1030	2050	1020	189	188	265	153
12	132	78	2730	3210	761	927	1650	824	189	167	217	147
13	268	79	2170	2150	996	845	1360	707	177	156	262	217
14	481	94	1980	1610	1360	756	1190	625	174	159	605	142
15	272	220	1800	1360	1260	692	1010	560	171	152	350	125
16	158	575	1360	1240	1150	661	883	483	177	148	233	113
17	128	297	1090	1100	1010	709	816	419	185	138	196	104
18	118	188	956	1730	875	713	743	383	173	156	184	110
19	107	135	863	3270	802	634	708	375	159	153	164	107
20	98	269	778	2520	744	807	1200	335	153	187	152	98
21	97	848	729	1910	702	1240	2500	302	150	163	154	95
22	100	501	1560	1530	662	953	1820	367	148	135	166	93
23	111	903	1960	1320	701	799	1790	424	427	129	136	94
24	232	4530	1470	3710	665	747	1390	334	701	125	129	100
25	183	2200	1130	7130	599	1170	1060	294	339	122	149	100
26	137	882	919	3930	565	1190	846	265	213	130	153	100
27	117	2680	894	2660	2550	1060	776	875	168	123	143	90
28	107	15500	11300	1950	3350	2050	1950	1970	150	176	173	87
29	107	11600	13700	1600	2150	2810	4980	1500	163	304	189	87
30	99	2560	5410	1370	---	2170	3160	1250	161	186	691	84
31	91	---	2920	1160	---	1590	---	789	---	241	381	---
TOTAL	4242	45121	163019	63814	28886	41923	59982	46331	7441	7343	11380	4371
MEAN	137	1504	5259	2059	996	1352	1999	1495	248	237	367	146
MAX	481	15500	34000	7130	3350	3970	6180	9010	701	1670	1290	540
MIN	90	78	729	715	536	634	708	265	148	122	129	84
CFSM	.23	2.54	8.87	3.47	1.68	2.28	3.37	2.52	.42	.40	.62	.25
IN.	.27	2.83	10.23	4.00	1.81	2.63	3.76	2.91	.47	.46	.71	.27

CAL YR 1983	TOTAL	653318	MEAN	1790	MAX	34000	MIN	78	CFSM	3.02	IN.	40.98
WTR YR 1984	TOTAL	483853	MEAN	1322	MAX	34000	MIN	78	CFSM	2.23	IN.	30.35

MOBILE RIVER BASIN

95

02424000 CAHABA RIVER AT CENTREVILLE, AL

LOCATION.--Lat 32°56'42", long 87°08'21", in E₁ sec. 26, T. 23 N., R. 9 E., Bibb County, Hydrologic Unit 03150202, on left bank 60 ft downstream from bridge on U.S. Highway 82, 0.2 mi west of Centreville, 0.5 mi upstream from Gulf, Mobile & Ohio Railroad bridge, 2.5 mi upstream from Sandy Creek, and at mile 81.2.

DRAINAGE AREA.--1,027 mi² (revised).

PERIOD OF RECORD.--August 1901 to February 1908, May 1929 to March 1932, May 1935 to current year. Gage height records collected at same site from January 1917 to December 1971 are contained in reports of the National Weather Service.

REVISED RECORDS.--WSP 682: 1901-08. WSP 1384: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 180.74 ft National Geodetic Vertical Datum of 1929. Prior to Jan. 31, 1939, nonrecording gage at same site. Prior to May 1929, at datum 1.15 ft lower.

REMARKS.--Records good. An average of 82 ft³/s is diverted above station by Birmingham Water Works Board, and is not included in records except about 7 ft³/s which is returned to river above station. Flow partly regulated by Purdy Lake; capacity, 15,300 acre-ft on Little Cahaba River. Records of specific conductance and water temperature for the water year 1984 are published under miscellaneous water quality sites in this report.

AVERAGE DISCHARGE.--57 years (water years 1902-07, 1930-31, 1936-84), 1,639 ft³/s, 21.67 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 83,600 ft³/s Mar. 29, 1951; maximum gage height, 36.63 ft, Apr. 8, 1938; minimum, 90 ft³/s Oct. 24-29, 1904, gage height -0.35 ft.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 20,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Nov. 28	1500	22,100	25.14	Dec. 6	2000	22,800	25.35
Dec. 4	1400	*40,800	*29.99	Dec. 28	2200	23,500	25.60

Minimum discharge, 270 ft³/s Sept. 30.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1	315	317	2370	3350	1700	2440	2060	2630	1060	615	820	524	
2	305	318	1840	2810	1580	2090	1810	2420	921	584	1210	444	
3	291	317	16000	2450	1520	1880	6410	6030	834	731	2240	408	
4	290	324	37900	2200	1550	1730	8000	10900	764	543	1480	741	
5	288	334	23700	2010	1470	2680	4850	6340	712	487	1460	847	
6	284	328	19500	1840	1330	5700	3320	3710	669	520	1410	535	
7	278	332	13400	1680	1240	3910	2630	2720	646	615	947	449	
8	280	328	6300	1540	1170	2860	2220	2910	625	1570	795	408	
9	287	324	4230	1420	1150	2380	3620	2980	619	1300	672	390	
10	294	329	3190	2010	1190	2020	3850	2110	575	689	618	390	
11	296	306	3170	5740	1560	1780	2890	1750	556	562	697	434	
12	326	303	4440	4310	1550	1660	2390	1520	563	515	961	446	
13	563	301	3560	2990	1850	1550	2060	1350	545	602	663	502	
14	718	327	3040	2420	2110	1440	1890	1240	525	526	857	422	
15	604	446	2830	2110	1990	1340	1710	1150	533	508	811	380	
16	437	953	2320	1990	1820	1280	1550	1050	530	503	631	353	
17	372	720	1950	1830	1720	1290	1460	958	549	557	546	330	
18	343	532	1780	2360	1540	1350	1360	904	518	491	506	324	
19	332	434	1660	4740	1450	1230	1340	875	493	489	486	327	
20	314	701	1540	3660	1380	1560	2090	834	479	470	468	311	
21	311	1320	1460	2860	1330	2250	2950	810	471	394	450	305	
22	320	973	2240	2380	1260	1760	2530	870	461	393	461	303	
23	380	1400	2910	2120	1310	1500	2510	943	589	395	425	299	
24	471	6890	2330	3750	1260	1430	2110	847	1150	395	395	303	
25	495	3400	1910	7870	1160	2150	1710	784	771	395	383	303	
26	403	1620	1650	5260	1110	2110	1480	741	604	391	427	299	
27	364	2950	1600	3680	3730	1850	1360	919	509	384	425	290	
28	343	20300	17500	2850	4830	3170	2180	2210	458	442	460	284	
29	338	13800	18000	2410	3150	4230	5270	2400	466	850	519	276	
30	334	4220	7780	2140	---	3170	4090	1830	754	697	828	273	
31	328	---	4440	1890	---	2460	---	1330	---	634	858	---	
TOTAL	11304	65147	216540	90670	50010	68250	83700	68065	18949	18247	23909	11900	
MEAN	365	2172	6985	2925	1724	2202	2790	2196	632	589	771	397	
MAX	718	20300	37900	7870	4830	5700	8000	10900	1150	1570	2240	847	
MIN	278	301	1460	1420	1110	1230	1340	741	458	384	383	273	
CFSM	.36	2.11	6.80	2.85	1.68	2.14	2.72	2.14	.62	.57	.75	.39	
IN.	.41	2.36	7.84	3.28	1.81	2.47	3.03	2.47	.69	.66	.87	.43	
CAL YR 1983	TOTAL	1009940		MEAN	2767	MAX	37900	MIN	278	CFSM	2.69	IN.	36.58
WTR YR 1984	TOTAL	726691		MEAN	1985	MAX	37900	MIN	273	CFSM	1.93	IN.	26.32

MOBILE RIVER BASIN

02424000 CAHABA RIVER AT CENTREVILLE, AL--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.22	2.13	6.85	8.49	5.50	6.88	6.19	7.22	4.14	2.98	3.53	2.72
2	2.19	2.12	5.77	7.52	5.26	6.25	5.71	6.85	3.79	2.89	4.47	2.47
3	2.14	2.12	16.08	6.91	5.14	5.86	11.19	10.86	3.56	3.29	6.53	2.35
4	2.14	2.13	29.39	6.45	5.20	5.55	15.53	18.59	3.38	2.78	5.04	3.30
5	2.13	2.16	25.87	6.11	5.02	6.93	11.01	13.77	3.24	2.60	5.01	3.59
6	2.11	2.14	23.79	5.77	4.74	11.78	8.45	9.08	3.13	2.71	4.89	2.75
7	2.08	2.15	21.60	5.46	4.52	9.44	7.20	7.36	3.07	2.98	3.86	2.49
8	2.09	2.13	13.64	5.18	4.38	7.59	6.49	7.56	3.01	5.12	3.46	2.36
9	2.11	2.11	9.87	4.93	4.33	6.79	8.48	7.88	3.00	4.63	3.14	2.30
10	2.13	2.13	8.24	5.89	4.41	6.12	9.30	6.29	2.87	3.18	2.99	2.30
11	2.13	2.05	8.00	11.52	5.22	5.66	7.65	5.59	2.82	2.83	3.20	2.44
12	2.24	2.03	9.98	10.13	5.20	5.42	6.80	5.13	2.84	2.69	3.87	2.48
13	2.98	2.02	8.71	7.90	5.78	5.20	6.21	4.78	2.78	2.95	3.11	2.65
14	3.40	2.10	7.90	6.85	6.29	4.98	5.89	4.52	2.72	2.73	3.62	2.40
15	3.09	2.48	7.54	6.29	6.07	4.77	5.51	4.33	2.75	2.67	3.50	2.27
16	2.58	3.86	6.67	6.06	5.73	4.61	5.20	4.11	2.74	2.65	3.03	2.18
17	2.37	3.26	5.99	5.75	5.54	4.65	5.01	3.89	2.79	2.81	2.79	2.10
18	2.27	2.74	5.65	6.58	5.18	4.79	4.80	3.75	2.70	2.62	2.66	2.08
19	2.22	2.44	5.41	10.28	4.99	4.50	4.76	3.67	2.62	2.61	2.60	2.09
20	2.17	3.20	5.18	9.02	4.85	5.19	6.25	3.56	2.58	2.55	2.54	2.04
21	2.15	4.70	5.01	7.60	4.72	6.55	7.73	3.50	2.55	2.31	2.49	2.02
22	2.18	3.92	6.37	6.77	4.58	5.61	7.05	3.66	2.52	2.31	2.52	2.01
23	2.37	4.58	7.67	6.31	4.70	5.10	7.01	3.85	2.90	2.32	2.41	1.99
24	2.65	13.17	6.69	8.48	4.57	4.95	6.29	3.60	4.32	2.32	2.32	2.01
25	2.73	8.78	5.91	14.47	4.36	6.34	5.51	3.43	3.40	2.32	2.28	2.01
26	2.43	5.39	5.39	11.73	4.25	6.29	5.05	3.32	2.95	2.30	2.42	2.00
27	2.30	6.70	5.30	8.98	8.25	5.79	4.80	3.76	2.67	2.28	2.41	1.96
28	2.23	23.66	18.41	7.68	10.83	7.87	6.21	6.40	2.51	2.46	2.52	1.93
29	2.21	21.88	23.85	6.84	8.16	9.68	10.81	6.81	2.54	3.59	2.70	1.90
30	2.19	10.66	16.53	6.35	---	8.19	5.84	5.76	3.34	3.20	3.53	1.89
31	2.16	---	10.26	5.88	---	6.92	---	4.73	---	3.04	3.62	---
MEAN	2.34	5.03	11.08	7.55	5.44	6.33	7.26	6.05	3.01	2.86	3.32	2.30
MAX	3.40	23.66	29.39	14.47	10.83	11.78	15.53	18.59	4.32	5.12	6.53	3.59
MIN	2.08	2.02	5.01	4.93	4.25	4.50	4.76	3.32	2.51	2.28	2.28	1.89
CAL YR 1983	MEAN	6.30	MAX	29.39	MIN	2.02						
WTR YR 1984	MEAN	5.22	MAX	29.39	MIN	1.89						

MOBILE RIVER BASIN

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02424940 OAKMULGEE CREEK NEAR AUGUSTIN, AL

LOCATION.--Lat 32°32'01", long 87°05'24", in SE¼ sec. 17, T. 18 N., R. 10 E., Dallas-Perry County line, Hydro-logic Unit 03150202, on downstream side of State Highway 219 bridge, 2 mi north of Augustin.

DRAINAGE AREA.--220 mi² (revised).

WATER-DISCHARGE RECORDS

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

GAGE.--Water-stage recorder. Datum of gage is 139.71 ft National Geodetic Vertical Datum of 1929.

REMARKS.--Water-discharge records good.

AVERAGE DISCHARGE.--9 years, 337 ft³/s, 20.80 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 12,900 ft³/s March 5, 1979, gage height, 19.53 ft; minimum, 12 ft³/s Oct. 4, 5, 6, 7, 8, 1981.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,980 ft³/s Dec. 30, gage height, 8.89 ft, no peak above base of 2,300 ft³/s; minimum daily 24 ft³/s Sept. 30.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	69	72	842	734	376	675	449	229	206	98	149	51
2	65	72	486	575	349	468	391	255	150	95	324	49
3	62	72	390	498	362	398	799	507	126	90	467	47
4	62	71	574	447	421	362	833	800	110	78	501	48
5	68	73	610	412	399	509	870	945	96	61	399	51
6	64	73	1140	382	370	705	689	738	88	51	198	79
7	63	74	1310	356	316	757	496	432	82	56	145	60
8	59	73	1780	328	287	724	423	400	77	94	173	50
9	57	73	1180	306	276	513	482	415	73	101	160	48
10	57	72	679	412	363	413	452	504	67	130	113	47
11	58	71	626	484	587	370	449	389	63	81	100	44
12	64	70	651	522	508	341	382	277	60	63	111	40
13	87	70	651	513	621	325	332	236	60	55	105	43
14	103	77	671	384	579	308	343	208	61	48	127	41
15	107	133	522	352	550	291	455	193	62	61	115	39
16	91	154	424	348	458	277	364	170	59	71	91	38
17	79	155	365	348	402	299	313	154	56	61	82	36
18	74	138	324	506	367	311	285	142	53	66	73	39
19	70	108	299	709	340	296	278	132	49	61	64	37
20	67	325	281	710	322	583	301	125	47	54	60	35
21	65	307	269	700	306	601	338	132	46	48	58	33
22	67	265	300	513	296	589	478	185	45	46	52	31
23	104	302	307	480	296	493	376	188	44	43	48	29
24	121	697	297	606	294	393	324	170	81	41	48	28
25	121	701	275	800	281	473	292	146	140	41	46	32
26	103	869	275	862	261	451	245	126	109	41	45	30
27	87	613	275	833	617	523	236	115	70	41	57	28
28	80	821	1030	677	702	745	241	166	54	72	111	26
29	76	1070	1520	562	798	857	268	223	56	81	86	25
30	74	1330	1900	482	---	729	242	217	109	89	69	24
31	72	---	1210	417	---	597	---	281	---	119	58	---
TOTAL	2396	9001	21463	16258	12104	15376	12426	9200	2399	2137	4235	1208
MEAN	77.3	300	692	524	417	496	414	297	80.0	68.9	137	40.3
MAX	121	1330	1900	862	798	857	870	945	206	130	501	79
MIN	57	70	269	306	261	277	236	115	44	41	45	24
CFSM	.35	1.36	3.15	2.38	1.90	2.25	1.88	1.35	.36	.31	.62	.18
IN.	.41	1.52	3.63	2.75	2.05	2.60	2.10	1.56	.41	.36	.72	.20
CAL YR 1983	TOTAL	173392	MEAN	475	MAX	4640	MIN	48	CFSM	2.16	IN.	29.32
WTR YR 1984	TOTAL	108203	MEAN	296	MAX	1900	MIN	24	CFSM	1.35	IN.	18.30

MOBILE RIVER BASIN

02424940 OAKMULGEE CREEK NEAR AUGUSTIN, AL--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--April 1980 to current year.

COOPERATION.--Water-quality samples were collected by the U.S. Geological Survey and analyzed by the Geological Survey of Alabama.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	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)
OCT 14...	1245	103	23	--	18.0	--	--	--	--	--
NOV 08...	1340	71	20	--	14.0	--	--	--	--	--
DEC 13...	1015	598	22	6.3	10.5	10.7	5	2	1.1	0.60
JAN 26...	1330	857	20	--	7.0	--	--	--	--	--
MAR 01...	1545	629	19	7.6	7.0	11.8	5	0	.90	.70
APR 20...	0820	301	21	--	15.0	--	--	--	--	--
MAY 29...	1345	221	22	--	22.0	--	--	--	--	--
JUL 10...	1245	132	22	6.4	26.0	8.1	6	1	1.4	.60
AUG 14...	1235	101	23	--	25.0	--	--	--	--	--

DATE	SODIUM, DIS- SOLVED (MG/L AS NA)	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LINITY FIELD (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)
DEC 13...	1.1	28	0.2	0.70	3	2.9	2.8	1.3	<.10	7.4
MAR 01...	1.2	31	.2	.60	5	.2	<.2	.60	<.10	4.4
JUL 10...	1.1	26	.2	.70	5	3.9	1.8	1.0	<.10	7.4

DATE	SOLIDS, SUM OF CONSTITUENTS, 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, NITRITE DIS- SOLVED (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)
DEC 13...	17	0.02	28	--	<.01	1.10	--	--
MAR 01...	12	.02	20	0.550	<.01	--	0.550	0.010
JUL 10...	17	.02	6.1	.080	<.01	--	.080	--

DATE	ARSENIC DIS- SOLVED (UG/L AS AS)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	COBALT, DIS- SOLVED (UG/L AS CO)	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)	STRON- TIUM, DIS- SOLVED (UG/L AS SR)	ZINC, DIS- SOLVED (UG/L AS ZN)
DEC 13...	1	1	<1	<1	150	15	130	0.1	40	10
MAR 01...	1	1	<1	<1	210	1	90	<.1	50	30
JUL 10...	1	2	<1	1	100	<1	80	.2	60	<10

02425000 CAHABA RIVER NEAR MARION JUNCTION, AL

LOCATION.--Lat 32°26'38", long 87°10'49", in SE¼ sec. 16, T. 17 N., R. 9 E., Dallas County, Hydrologic Unit 03150203, on right bank 10 ft downstream from bridge on U.S. Highway 80, 3.8 mi downstream from Oakmulgee Creek, 3.5 mi east of Marion Junction, and 21.4 mi above the mouth.

DRAINAGE AREA.--1,766 mi² (revised).

PERIOD OF RECORD.--October 1938 to September 1954, October 1968 to current year. Monthly discharge only October to December 1938, published in WSP 1304. Gage-height records collected at same site from 1939 to 1971 are contained in reports of the National Weather Service.

REVISED RECORDS.--WSP 1304: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 86.72 ft National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Auxiliary water-stage recorder 6.2 mi downstream from base gage at same datum. October 1940 to September 1954, nonrecording gage 12 mi downstream from base gage at same datum.

REMARKS.--Records good. For diversion above station see Remarks for station at Centreville. Records of specific conductance and water temperature for the water year 1984 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--32 years (water years 1939-54, 1969-84), 2,973 ft³/s, 22.86 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 83,400 ft³/s Aug. 16, 1939, gage height, 42.95 ft; minimum observed, 224 ft³/s Sept. 16, 1954, gage height, 0.80 ft.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Feb. 24, 1961, reached a stage of 43.80 ft, present datum, from floodmarks (discharge not determined).

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

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec. 1	0600	18,000	26.95	Dec. 31	1500	20,500	29.30
Dec. 7	2100	*29,400	*35.82				

Minimum discharge, 448 ft³/s Sept. 30.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	655	674	17400	17500	3410	6180	4420	6020	2300	1140	1140	1200
2	657	665	11000	9690	3070	4520	3720	4230	1790	1050	2020	875
3	653	654	4620	5470	2920	3830	5950	5980	1540	926	2990	730
4	640	648	8260	4580	3070	3440	8590	9730	1370	1040	4370	704
5	642	652	14300	4080	2940	4270	11100	12200	1260	898	4260	851
6	636	662	22900	3730	2700	6680	10300	13300	1180	805	4030	1200
7	625	666	28600	3390	2430	8540	6290	9340	1120	879	2930	902
8	611	659	29000	3080	2240	7470	4750	5630	1080	1250	1750	744
9	602	658	26600	2820	2130	5280	4600	5610	1030	1880	1420	673
10	602	656	20300	3180	2380	4310	5870	5370	1010	1970	1210	655
11	612	647	11900	4590	3340	3700	6330	4100	957	1180	1090	672
12	638	639	7730	7430	3570	3300	5000	3320	920	952	1210	660
13	733	623	7880	6960	4310	3060	4110	2830	921	851	1550	710
14	953	644	6910	4990	4190	2840	3710	2510	905	928	2050	737
15	1100	778	5720	4090	4160	2650	3620	2280	882	899	1500	731
16	1100	930	4940	3710	3750	2480	3150	2060	882	917	1340	635
17	910	1230	4090	3510	3440	2440	2790	1860	878	835	1120	592
18	780	1240	3510	4230	3200	2540	2570	1700	881	974	988	565
19	722	1010	3180	5770	2850	2530	2410	1590	847	934	902	544
20	692	1750	2920	7280	2680	3310	2660	1510	811	835	879	534
21	666	1500	2720	6470	2550	4090	3820	1480	781	773	836	522
22	650	1980	2760	5000	2430	4390	4850	1640	766	760	796	505
23	722	2140	3610	4200	2360	3520	4350	1720	753	739	778	497
24	799	4710	4370	4250	2390	3050	4000	1710	999	690	754	492
25	851	8160	3570	6600	2270	3750	3360	1530	1590	702	706	485
26	928	6720	2920	9550	2090	4260	2730	1390	1300	706	672	485
27	839	3770	2840	9500	4670	4040	2410	1310	1020	692	700	486
28	754	8260	7930	6750	6970	4680	2560	1550	859	794	758	471
29	709	11900	12200	5230	8150	6380	4180	3280	832	881	785	466
30	685	15900	16500	4390	---	6960	6590	3790	930	1100	800	453
31	676	---	20000	3840	---	5650	---	3140	---	1260	947	---
TOTAL	22842	81125	321180	175860	96660	134140	140790	123710	32394	30240	47281	19776
MEAN	737	2704	10360	5673	3333	4327	4693	3991	1080	975	1525	659
MAX	1100	15900	29000	17500	8150	8540	11100	13300	2300	1970	4370	1200
MIN	602	623	2720	2820	2090	2440	2410	1310	753	690	672	453
CFSM	.42	1.53	5.87	3.21	1.89	2.45	2.66	2.26	.61	.55	.86	.37
IN.	.48	1.71	6.77	3.70	2.04	2.83	2.97	2.61	.68	.64	.00	.42
CAL YR 1983	TOTAL	1775986	MEAN	4866	MAX	30000	MIN	602	CFSM	2.76	IN.	37.41
WTR YR 1984	TOTAL	1225998	MEAN	3350	MAX	29000	MIN	453	CFSM	1.90	IN.	25.83

MOBILE RIVER BASIN

02425200 BIG SWAMP CREEK NEAR ORRVILLE, AL

LOCATION.--Lat 32°13'17", long 87°09'48", in NW¼ sec. 3, T. 14 N., R. 9 E., Dallas County, Hydrologic Unit 03150203, on left bank, 20 ft upstream from county road, 3 mi upstream from mouth, and 9.8 mi southeast of Orrville.

DRAINAGE AREA.--35.8 mi² (revised).

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

GAGE.--Water-stage recorder. Datum of gage is 87.74 ft National Geodetic Vertical Datum of 1929.

REMARKS.--Records fair. Records of specific conductance and water temperature for the water year 1984 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--12 years, 53.2 ft³/s, 20.18 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,400 ft³/s Mar. 31, 1976, gage height, 14.07 ft, minimum daily, .07 ft³/s Nov. 25, 1978.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 650 ft³/s and annual maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec. 28	0700	*923	*7.78	Apr. 28	1900	813	7.24

Minimum discharge, 1.7 ft³/s July 23, Sept. 21, 22, 23, 24, 25, 26, 27, 28, 29, 30.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.6	3.6	67	136	44	106	35	100	10	5.5	20	4.4
2	2.6	3.8	49	98	40	77	32	67	8.7	4.9	90	3.2
3	2.5	3.8	199	79	43	62	238	260	7.9	4.2	71	3.5
4	2.6	4.0	404	67	51	53	231	413	7.3	3.5	18	3.5
5	2.6	4.7	234	58	45	79	194	306	6.6	2.8	11	3.2
6	2.0	4.7	320	52	35	117	120	191	6.1	5.2	8.4	3.2
7	2.0	5.0	350	46	31	107	80	108	5.6	4.0	6.3	2.9
8	2.0	5.0	180	40	29	92	64	163	5.3	4.1	6.0	2.6
9	2.0	5.0	120	36	29	68	83	99	4.9	3.1	11	2.6
10	2.0	5.0	105	112	40	55	65	56	4.7	2.8	12	2.6
11	2.7	5.0	150	125	74	44	48	38	4.6	2.4	38	2.6
12	6.7	5.0	125	98	69	37	40	28	4.7	2.0	23	2.6
13	11	5.0	99	94	104	33	34	22	5.7	2.0	12	2.3
14	5.1	19	97	77	99	29	40	18	5.3	6.1	8.7	2.3
15	3.8	23	82	69	88	26	33	16	11	4.1	7.7	2.0
16	3.7	15	62	68	79	26	27	13	8.9	3.1	6.3	2.3
17	3.5	11	50	64	73	24	22	11	6.9	2.6	5.6	1.8
18	3.5	9.2	46	133	57	26	19	9.9	5.8	2.6	5.0	1.9
19	3.5	8.1	40	183	47	27	18	9.5	4.9	2.5	4.3	1.9
20	3.5	88	34	164	41	160	18	9.0	4.4	2.0	4.4	1.8
21	3.2	46	31	131	35	153	16	10	3.7	2.0	4.6	1.7
22	3.5	19	34	96	35	129	30	33	3.4	1.9	4.1	1.8
23	12	126	32	80	37	100	24	31	9.6	1.7	3.9	1.7
24	7.4	279	27	77	33	90	17	17	24	6.7	3.3	1.8
25	5.7	139	21	97	33	171	14	13	14	4.6	3.2	1.8
26	4.8	79	20	88	29	152	12	11	6.9	2.7	3.2	1.7
27	4.1	126	48	93	271	141	13	17	5.0	2.2	13	1.7
28	3.9	236	557	91	192	104	198	15	4.5	11	7.6	1.7
29	3.8	139	423	74	155	76	339	32	5.9	7.6	7.1	1.7
30	3.5	87	317	61	---	55	155	24	5.0	7.2	5.3	1.7
31	3.5	---	188	51	---	44	---	13	---	6.1	4.1	---
TOTAL	125.3	1508.9	4511	2738	1938	2463	2259	2153.4	211.3	123.2	428.1	70.5
MEAN	4.04	50.3	146	88.3	66.8	79.5	75.3	69.5	7.04	3.97	13.8	2.35
MAX	12	279	557	183	271	171	339	413	24	11	90	4.4
MIN	2.0	3.6	20	36	29	24	12	9.0	3.4	1.7	3.2	1.7
CFSM	.11	1.41	4.08	2.47	1.87	2.22	2.10	1.94	.20	.11	.39	.07
IN.	.13	1.57	4.69	2.85	2.01	2.56	2.35	2.24	.22	.13	.44	.07
CAL YR 1983	TOTAL	35577.9	MEAN	97.5	MAX	1910	MIN	2.0	CFSM	2.72	IN.	36.97
WTR YR 1984	TOTAL	18529.7	MEAN	50.6	MAX	557	MIN	1.7	CFSM	1.41	IN.	19.25

MOBILE RIVER BASIN

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MOBILE RIVER MAIN STEM

02427506 ALABAMA RIVER AT MILLERS FERRY LOCK AND DAM, NEAR CAMDEN, AL

LOCATION.--Lat 32°06'00", long 87°23'52", in NW¼ sec. 17, T. 13 N., R. 17 E., Wilcox County, Hydrologic Unit 03150203, at downstream end of Millers Ferry lock and dam, 1.0 mi downstream from State Highway 28, 1.3 mi downstream from Prairie Creek, 6.6 mi upstream from Dixon Creek, 12 mi northwest of Camden, and at mile 142.25.

DRAINAGE AREA.--20,637 mi² (revised).

PERIOD OF RECORD.--November 1968 to current year (gage height only). October 1971 to current year in reports of Geological Survey. November 1968 to September 1971 in files of Corps of Engineers.

GAGE.--Water-stage recorder. Datum of gage is 19.00 ft above National Geodetic Vertical Datum of 1929.

COOPERATION.--Records furnished by Corps of Engineers.

EXTREMES (AT 0700) FOR PERIOD OF RECORD.--Maximum gage height, 62.3 ft Apr. 20, 1979; minimum, 10.5 ft Sept. 2, 3, 4, 1969.

EXTREMES (AT 0700) FOR CURRENT YEAR.--Maximum gage height, 55.3 ft Dec. 10; minimum 14.4 ft Sept. 25.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
INSTANTANEOUS OBSERVATIONS AT 0700

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15.50	15.40	43.90	49.00	30.50	37.40	28.90	30.90	25.50	15.10	28.70	19.80
2	15.60	15.50	43.80	47.70	28.60	34.80	28.80	30.80	25.40	15.40	41.90	17.40
3	15.30	15.50	38.90	44.60	27.00	33.10	28.90	27.80	22.60	15.50	40.90	16.10
4	15.50	15.90	37.90	38.20	27.60	30.00	35.90	35.50	16.60	15.80	43.90	15.90
5	15.80	15.80	44.10	33.10	26.30	30.10	38.70	40.80	17.20	15.70	46.20	15.70
6	15.60	15.60	49.20	32.40	22.30	32.20	38.10	42.50	16.20	17.20	46.80	15.40
7	15.30	15.20	52.30	32.10	25.70	33.50	37.50	43.60	16.40	15.90	45.30	15.50
8	15.70	15.60	54.00	29.90	23.00	33.70	33.70	43.10	15.90	17.00	49.90	15.50
9	15.50	15.60	54.90	29.50	24.40	33.00	31.60	41.80	15.80	15.60	42.60	15.50
10	15.00	15.60	55.30	27.00	25.10	30.20	32.70	39.70	17.70	15.50	42.60	15.60
11	15.50	15.70	54.90	33.60	25.20	27.50	31.70	38.80	15.80	18.80	24.70	15.60
12	15.20	15.70	53.50	34.80	25.20	24.20	32.20	37.20	15.80	17.60	22.40	15.40
13	15.50	16.00	51.80	34.90	25.20	24.30	28.60	33.30	15.90	17.30	20.00	16.10
14	15.50	15.70	49.20	35.30	30.00	23.70	26.40	29.00	15.80	15.60	21.70	16.50
15	16.10	15.70	46.60	30.10	28.30	23.20	26.50	27.10	16.00	17.30	21.20	15.90
16	15.00	18.70	43.60	32.10	28.00	20.20	23.40	27.90	15.80	16.20	22.20	15.70
17	15.60	16.20	39.00	28.80	31.40	22.50	22.80	25.20	15.70	16.20	24.30	15.80
18	15.60	20.00	35.40	28.40	32.00	18.00	21.30	23.20	15.40	16.20	17.20	15.30
19	15.40	17.30	32.30	33.60	28.80	21.10	18.50	22.70	15.70	15.60	17.30	15.20
20	15.80	17.40	31.90	38.00	25.20	26.00	17.50	22.70	15.50	16.20	17.10	15.00
21	15.80	22.10	30.10	38.00	26.10	25.00	22.10	17.40	15.10	16.70	17.10	14.60
22	16.10	24.80	29.90	36.80	25.60	27.80	25.10	22.50	15.20	15.70	15.90	14.50
23	15.90	23.20	28.40	33.40	24.00	26.70	23.30	23.40	15.30	16.10	15.60	14.50
24	15.50	29.50	28.40	31.10	25.40	28.30	27.50	23.20	15.20	15.50	15.60	14.50
25	15.60	36.00	31.70	30.20	27.40	22.90	25.30	22.30	15.30	15.80	15.50	14.40
26	15.40	38.90	30.20	33.40	23.50	26.40	25.90	22.30	14.90	15.80	15.40	14.50
27	15.60	37.40	28.40	38.00	23.70	26.10	23.10	15.80	15.00	15.50	15.70	14.50
28	15.90	37.50	28.80	38.00	33.20	33.70	24.50	16.10	15.40	15.20	15.60	14.60
29	15.60	41.30	43.60	37.20	37.30	34.20	25.10	16.80	15.20	15.60	15.70	14.60
30	15.20	43.40	47.20	34.60	---	33.20	30.80	22.60	15.10	18.60	15.60	14.50
31	15.40	---	48.90	32.50	---	31.10	---	25.20	---	22.10	16.20	---
MEAN	15.55	21.94	41.55	34.72	27.10	28.20	27.88	28.75	16.61	16.40	26.15	15.47
MAX	16.10	43.40	55.30	49.00	37.30	37.40	38.70	43.60	25.50	22.10	49.90	19.80
MIN	15.00	15.20	28.40	27.00	22.30	18.00	17.50	15.80	14.90	15.10	15.40	14.40
WTR YR 1984	MEAN	25.07		MAX	55.30	MIN	14.40					

MOBILE RIVER BASIN

02427700 TURKEY CREEK AT KIMBROUGH, AL

LOCATION.--Lat 32°01'15", long 87°33'30", in SE¼ sec. 10, T. 12 N., R. 5 E., Wilcox County, Hydrologic Unit 03150203, on right bank on upstream side of bridge on county road, 0.3 mi upstream from Southern Railway bridge, 0.6 mi downstream from State Highway 5, 1 mi south of Kimbrough, and 2 mi upstream from mouth.

DRAINAGE AREA.--97.5 mi² (revised).

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

GAGE.--Water-stage recorder. Datum of gage is 58.78 ft National Geodetic Vertical Datum of 1929.

REMARKS.--Records good. Records of specific conductance and water temperature for the water year 1984 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--26 years, 144 ft³/s, 20.06 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 39,600 ft³/s Dec. 10, 1961, gage height, 25.02 ft; no flow Sept. 25, 1968.

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

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec. 28	2000	*2,850	*11.82	Feb. 27	1200	2,080	7.76

Minimum discharge, 1.5 ft³/s Oct. 2, 3, 4, 5.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1	1.7	5.3	68	230	91	162	73	46	18	18	20	12	
2	1.6	5.9	55	140	87	134	71	40	16	31	135	8.4	
3	1.5	7.2	102	115	93	120	697	128	14	12	106	6.9	
4	1.6	9.0	352	101	121	112	432	260	13	8.4	370	7.0	
5	1.7	12	605	94	99	273	186	91	13	6.9	1120	7.8	
6	2.2	16	399	85	80	545	135	61	11	6.1	1310	7.1	
7	2.6	13	460	77	71	254	113	51	11	6.1	631	6.0	
8	3.1	14	580	67	68	170	99	73	9.9	11	116	5.3	
9	3.7	15	210	64	67	134	382	72	9.7	15	82	4.9	
10	4.5	16	150	331	75	113	209	43	9.3	9.4	55	4.6	
11	5.5	16	230	268	161	102	143	34	8.8	7.4	48	7.1	
12	5.8	16	360	145	132	95	119	29	8.4	7.2	274	6.4	
13	7.2	18	210	114	279	90	104	25	51	9.5	89	5.0	
14	8.3	31	125	99	185	83	104	23	26	8.2	47	4.5	
15	4.9	54	95	134	124	75	117	27	15	7.1	41	4.1	
16	3.6	30	75	186	109	70	90	24	17	9.8	31	3.8	
17	2.7	17	62	148	108	67	78	20	14	7.8	24	3.1	
18	2.8	12	57	393	92	66	68	17	10	6.6	22	2.9	
19	3.4	12	53	836	84	62	62	16	8.3	5.9	20	2.8	
20	4.8	339	48	312	79	196	65	16	7.3	5.2	17	2.7	
21	5.2	60	46	208	75	199	54	18	6.8	4.7	18	2.7	
22	6.4	27	54	163	73	107	107	206	6.3	4.3	16	2.5	
23	21	137	55	147	74	84	87	136	44	4.1	13	2.2	
24	12	415	44	153	67	171	52	60	49	5.7	11	2.1	
25	6.7	113	35	242	60	953	43	39	16	5.8	10	2.2	
26	5.1	55	33	195	58	282	38	31	10	5.0	8.7	2.2	
27	4.9	116	51	191	1480	178	39	25	7.5	4.5	28	2.2	
28	4.4	784	2150	163	472	147	42	23	6.4	4.9	21	2.5	
29	4.3	155	1590	133	223	117	163	44	6.1	22	24	2.4	
30	4.2	81	800	114	---	93	64	29	7.0	12	48	2.6	
31	4.5	---	450	98	---	80	---	21	---	11	19	---	
TOTAL	151.9	2601.4	9604	5746	4787	5334	4036	1728	449.8	282.6	4774.7	136.0	
MEAN	4.90	86.7	310	185	165	172	135	55.7	15.0	9.12	154	4.53	
MAX	21	784	2150	836	1480	953	697	260	51	31	1310	12	
MIN	1.5	5.3	33	64	58	62	38	16	6.1	4.1	8.7	2.1	
CFSM	.05	.89	3.18	1.90	1.69	1.76	1.38	.57	.15	.09	1.58	.05	
IN.	.06	.99	3.66	2.19	1.83	2.04	1.54	.66	.17	.11	1.82	.05	
CAL YR 1983	TOTAL	104352.2		MEAN	286	MAX	6580	MIN	1.5	CFSM	2.93	IN.	39.81
WTR YR 1984	TOTAL	39631.4		MEAN	108	MAX	2150	MIN	1.5	CFSM	1.11	IN.	15.12

MOBILE RIVER BASIN

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MOBILE RIVER MAIN STEM

02428400 ALABAMA RIVER AT CLAIBORNE LOCK AND DAM, NEAR MONROEVILLE, AL

LOCATION.--Lat 31°36'40", long 87°33'10", in SE¼ sec. 34, T. 8 N., R. 5 E., Monroe County, Hydrologic Unit 03150204, just upstream from Claiborne lock and dam, 3.5 mi upstream from Flat Creek, 3.8 mi downstream from Silver Creek, 15 mi northwest of Monroeville, and at mile 81.9.

DRAINAGE AREA.--21,473 mi² (revised).

WATER-DISCHARGE RECORDS

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

GAGE.--Water-stage recorder. Datum of gage is 19.00 ft National Geodetic Vertical Datum of 1929.

REMARKS.--Water-discharge records fair. Flow regulated by reservoirs on Etawah, Coosa, Tallapoosa, and Alabama Rivers. (See Reservoirs in Mobile River basin).

AVERAGE DISCHARGE.--9 years, 38,030 ft³/s, 24.05 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 216,000 ft³/s Apr. 22, 1979, maximum gage height, 55.45 ft Apr. 23, 1979; minimum daily, 5,630 ft³/s Oct. 30, 1978.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 133,000 ft³/s Dec. 11, maximum gage height, 30.43 ft, Dec. 12; minimum daily, 6,420 ft³/s Sept. 30.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1	8910	8920	99800	112000	57300	80400	56500	63800	39000	9870	56000	25900	
2	10200	8830	100000	115000	48800	74900	55800	59500	36400	9860	80700	18500	
3	9160	11700	84800	115000	47900	72000	63800	54700	29300	13000	93200	14500	
4	8860	12500	77000	90000	48600	68900	87800	90400	23100	12600	106000	11800	
5	9900	10600	93600	72900	42700	59500	96000	103000	21600	14400	114000	11800	
6	9990	10200	110000	64800	32600	86100	92000	107000	22600	18100	117000	10600	
7	9300	8460	118000	63000	39200	94300	90000	104000	19100	15200	117000	12900	
8	8900	9690	124000	62500	30600	90800	82000	103000	14800	14600	102000	14300	
9	9890	10000	128000	53800	34500	93800	75000	97100	12900	14000	75300	11700	
10	8660	13300	132000	53400	36900	67400	75000	90200	12200	18700	55700	11400	
11	10100	11500	133000	81500	36800	50500	70000	82700	12400	22000	45600	12000	
12	8780	9880	131000	87300	36700	38000	72000	80500	12100	19300	38600	15300	
13	9030	9600	127000	84700	39400	36900	67000	69300	11900	21900	27900	20100	
14	13800	9640	121000	85700	56200	34600	54000	62300	12200	12400	33400	16400	
15	13800	9700	114000	75800	51400	32100	50000	49700	11500	11500	29500	15900	
16	10400	17500	104000	77800	51100	26500	33100	45400	11700	11500	35500	12900	
17	10000	21600	85000	55900	61200	28300	31200	40300	10600	15400	31900	12000	
18	9330	25100	77000	57800	63500	18500	27300	32800	10800	18600	21100	10600	
19	9380	24300	72000	83400	48600	23400	23400	30500	10500	17800	17300	10100	
20	12200	22600	68000	85000	37900	39800	20400	30700	11600	19600	18600	9650	
21	12600	28100	64000	86000	40700	42700	29500	22100	14700	23500	14100	9260	
22	9590	34300	60000	86000	37400	49900	37500	33100	10900	15500	14600	8990	
23	9840	32400	58000	81700	34200	46400	35100	34000	10700	14700	13800	8240	
24	8970	61500	62000	74200	39900	57000	44100	32900	9810	12100	13900	8370	
25	9890	94300	66000	67000	45500	93100	40100	29300	10900	11000	13800	7590	
26	9220	103000	60000	71800	32200	83800	40300	29000	9920	10400	12900	8480	
27	11700	80900	58000	76000	51900	73400	31400	19800	10100	10700	12300	6970	
28	10000	82100	81400	75300	83600	72000	35200	19400	9790	11300	10500	7050	
29	9920	91800	84200	71200	87500	75200	48700	21200	10800	15700	12400	6660	
30	8620	97300	98200	66400	---	83500	63200	29600	9930	23200	12500	6420	
31	8790	---	107000	60000	---	68500	---	38000	---	31000	17900	---	
TOTAL	309730	971320	2898000	2392900	1354800	1862200	1627400	1705300	453850	489430	1365000	356380	
MEAN	9991	32380	93480	77190	46720	60070	54250	55010	15130	15790	44030	11880	
MAX	13800	103000	133000	115000	87500	94300	96000	107000	39000	31000	117000	25900	
MIN	8620	8460	58000	53400	30600	18500	20400	19400	9790	9860	10500	6420	
CFSM	.47	1.51	4.35	3.59	2.18	2.80	2.53	2.56	.70	.74	2.05	.55	
IN.	.54	1.68	5.02	4.15	2.35	3.23	2.82	2.95	.79	.85	2.36	.62	
CAL YR 1983	TOTAL	17373420		MEAN	47600	MAX	160000	MIN	8290	CFSM	2.22	IN.	30.10
WTR YR 1984	TOTAL	15786310		MEAN	43130	MAX	133000	MIN	6420	CFSM	2.01	IN.	27.35

MOBILE RIVER BASIN

02428400 ALABAMA RIVER AT CLAIBORNE LOCK AND DAM, NEAR MONROEVILLE, AL--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--June 1982 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: June 1982 to current year.

WATER TEMPERATURES: June 1982 to current year.

REMARKS.--Specific conductance data are missing for Apr. 18, May 16, 25, June 7, 19-24, Sept. 22; and water temperature data are missing for Apr. 18, May 16, June 7, 21, 23, 24, Sept. 22 due to equipment malfunctions.

COOPERATION.--Specific conductance and temperature data furnished by the Corps of Engineers.

EXTREMES FOR PERIOD OF ONCE DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 163 microsiemens Nov. 22, 1982; minimum, 69 microsiemens Apr. 14, 1983.

WATER TEMPERATURES: Maximum, 31.0°C Aug. 28-30, Sept. 1, 1982, July 26-28, Aug. 1, 29, 1983; minimum, 5.0°C Jan. 4-7, 1984.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 158 microsiemens Nov. 22; minimum, 80 microsiemens Dec. 11, June 13.

WATER TEMPERATURES: Maximum, 30.0°C June 25-26, July 5, 9-20, 30, Aug. 30, Sept. 3; minimum, 5.0°C Jan. 4-7.

SPECIFIC CONDUCTANCE (US/CM), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	108	120	130	90	122	124	110	104	111	108	88	92
2	110	120	130	88	118	111	104	112	98	116	96	124
3	111	126	128	90	112	121	104	114	112	110	98	88
4	116	121	130	110	120	126	104	113	113	112	107	84
5	114	120	122	110	117	124	110	113	110	104	107	94
6	116	126	112	104	116	114	123	114	96	108	105	95
7	114	126	107	108	118	112	122	111	---	110	102	86
8	114	128	98	106	122	116	122	110	88	99	104	94
9	112	148	99	102	118	120	120	110	100	110	94	90
10	112	130	85	112	119	121	114	95	102	114	92	86
11	108	124	80	106	119	117	108	94	105	114	96	90
12	105	122	81	107	118	121	106	90	100	120	100	86
13	105	130	88	107	131	118	114	90	80	86	102	98
14	104	136	84	108	122	122	113	94	94	98	100	97
15	106	126	87	106	118	118	104	84	92	100	94	89
16	105	127	86	108	122	124	109	---	94	96	118	92
17	104	127	83	107	102	113	110	92	100	96	85	102
18	114	127	84	106	100	110	---	95	99	100	104	102
19	118	127	87	100	110	108	110	100	---	112	104	105
20	120	128	94	94	102	126	112	98	---	104	104	104
21	126	158	85	110	99	116	112	100	---	106	100	100
22	124	136	84	99	105	114	118	102	---	106	100	---
23	123	133	86	102	110	92	116	100	---	108	100	111
24	118	136	84	100	105	120	114	104	---	108	101	112
25	116	118	86	118	105	110	114	---	108	105	103	121
26	110	137	88	100	106	110	110	109	98	107	103	110
27	116	124	84	111	106	113	110	95	108	107	102	106
28	116	116	86	112	95	108	106	98	106	106	102	98
29	114	124	83	114	120	102	105	97	108	104	98	90
30	122	135	109	120	---	110	106	94	107	112	88	103
31	112	---	90	122	---	116	---	90	---	96	104	---
MEAN	113	129	95	106	113	115	---	---	---	106	100	---
MAX	126	158	130	122	131	126	---	---	---	120	118	---
MIN	104	116	80	88	95	92	---	---	---	86	85	---

02428400 ALABAMA RIVER AT CLAIBORNE LOCK AND DAM, NEAR MONROEVILLE, AL--Continued

TEMPERATURE (DEG C) OF WATER, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	24.0	20.0	14.0	7.0	7.0	10.0	15.0	20.0	23.0	29.0	28.0	29.0
2	24.0	20.0	14.0	7.0	7.0	10.0	15.0	20.0	23.0	29.0	28.0	29.0
3	24.0	20.0	14.0	7.0	8.0	10.0	16.0	22.0	24.0	29.0	27.0	30.0
4	24.0	20.0	14.0	5.0	7.0	10.0	17.0	20.0	24.0	28.0	26.0	29.0
5	24.0	20.0	14.0	5.0	8.0	10.0	16.0	21.0	25.0	30.0	26.0	29.0
6	24.0	20.0	14.0	5.0	7.0	10.0	17.0	21.0	25.0	29.0	26.0	29.0
7	20.0	20.0	14.0	5.0	7.0	11.0	17.0	21.0	---	29.5	26.0	29.0
8	24.0	19.0	14.0	6.0	7.0	10.0	17.0	22.0	25.0	29.0	26.0	27.0
9	23.0	19.0	13.0	6.0	7.0	10.0	17.0	22.0	26.0	30.0	26.0	27.0
10	23.0	19.0	13.0	7.0	7.0	11.0	17.0	21.0	26.0	30.0	26.0	28.0
11	23.0	18.0	13.0	7.0	7.0	12.0	16.0	21.0	27.0	30.0	27.0	28.0
12	24.0	17.0	13.0	8.0	7.0	12.0	16.0	20.0	27.0	30.0	27.0	28.0
13	24.0	17.0	13.0	8.0	9.0	14.0	17.0	21.0	27.0	30.0	27.0	29.0
14	24.0	17.0	13.0	8.0	9.0	12.0	16.0	22.0	27.0	30.0	27.0	28.0
15	24.0	17.0	12.0	9.0	9.0	13.0	16.0	22.0	27.0	30.0	26.0	28.0
16	23.0	16.0	12.0	7.0	10.0	13.0	16.0	---	27.0	30.0	28.0	28.0
17	24.0	16.0	12.0	7.0	10.0	13.0	16.0	22.0	27.0	30.0	28.0	27.0
18	23.0	16.0	13.0	7.0	10.0	14.0	---	24.0	27.0	30.0	28.0	27.0
19	24.0	16.0	12.0	6.0	11.0	14.0	16.0	26.0	28.0	30.0	28.0	27.0
20	24.0	16.0	12.0	6.0	11.0	14.0	18.0	24.0	28.0	30.0	28.0	27.0
21	24.0	16.0	11.0	7.0	11.0	14.0	17.0	24.0	---	29.0	29.0	26.0
22	23.0	16.0	11.0	6.0	11.0	15.0	18.0	23.0	29.0	29.0	29.0	---
23	23.0	16.0	11.0	6.0	11.0	15.0	18.0	23.0	---	29.0	29.0	26.0
24	23.0	16.0	10.0	6.0	12.0	16.0	18.0	24.0	---	29.0	29.0	26.0
25	23.0	15.0	9.0	6.0	12.0	18.0	19.0	---	30.0	29.5	29.0	26.0
26	22.0	13.0	8.0	6.0	12.0	16.0	19.0	24.0	30.0	29.0	29.0	26.0
27	22.0	15.0	8.0	7.0	13.0	15.0	20.0	25.0	29.0	29.0	29.0	26.0
28	20.0	15.0	8.0	8.0	12.0	16.0	20.0	26.0	29.0	29.0	29.0	27.0
29	20.0	14.0	8.0	8.0	11.0	15.0	20.0	25.0	29.0	29.0	29.0	26.0
30	20.0	14.0	8.0	9.0	---	15.0	20.0	25.0	29.0	30.0	30.0	---
31	20.0	---	8.0	9.0	---	15.0	---	24.0	---	29.0	29.0	---
MEAN	23.0	17.0	11.5	7.0	9.5	13.0	---	---	---	29.5	27.5	---
MAX	24.0	20.0	14.0	9.0	13.0	18.0	---	---	---	30.0	30.0	---
MIN	20.0	13.0	8.0	5.0	7.0	10.0	---	---	---	28.0	26.0	---

MOBILE RIVER BASIN
MOBILE RIVER MAIN STEM

02428401 ALABAMA RIVER BELOW CLAIBORNE LOCK AND DAM, NEAR MONROEVILLE, AL

LOCATION.--Lat 31°36'40", long 87°33'10", in SE¼ sec. 34, T. 8 N., R. 5 E., Monroe County, Hydrologic Unit 03150204, at downstream end of Claiborne lock and dam, 3.4 mi upstream from Flat Creek, 3.7 mi downstream from Silver Creek, 15 mi northwest of Monroeville, and at mile 81.8.

DRAINAGE AREA.--21,473 mi² (revised).

PERIOD OF RECORD.--December 1969 to current year (gage heights only). October 1971 to current year in reports of Geological Survey. December 1969 to September 1971 in files of the Corps of Engineers.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929. Prior to Jan. 1, 1980, datum 8.00 ft lower.

COOPERATION.--Records furnished by Corps of Engineers.

EXTREMES (AT 0700) FOR PERIOD OF RECORD.--Maximum gage height, 61.2 ft Apr. 6, 7, 1976. Mar. 12, 1979; minimum, 7.7 ft Sept. 20, 21, 28, 1981.

EXTREMES (AT 0700) FOR CURRENT YEAR.--Maximum gage height, 56.8 ft Dec. 12; minimum, 15.8 ft Sept. 30.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
INSTANTANEOUS OBSERVATIONS AT 0700

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	18.20	17.90	48.00	51.40	39.30	43.60	37.60	37.50	31.50	18.20	31.40	24.30
2	18.30	17.90	48.40	52.20	37.10	43.30	36.60	37.60	31.80	18.20	37.10	25.20
3	18.20	18.40	48.30	52.10	34.90	41.50	36.60	35.70	29.70	18.60	42.40	22.20
4	17.90	19.50	46.70	50.30	36.00	39.80	40.60	38.80	27.00	20.00	46.30	20.50
5	18.30	19.50	47.00	47.00	34.80	37.60	42.60	43.60	25.80	20.50	48.50	19.60
6	18.40	18.90	49.30	43.50	32.00	39.10	44.10	45.90	25.40	21.50	50.00	19.10
7	18.20	18.10	51.50	41.30	32.50	40.40	44.40	47.40	24.90	22.80	50.80	19.30
8	18.00	18.10	53.40	39.60	31.60	41.00	43.20	48.00	23.70	21.20	50.40	20.30
9	18.00	18.60	54.30	37.70	30.60	40.80	41.30	48.20	21.30	20.90	47.40	20.00
10	17.90	19.60	55.70	35.90	32.00	39.60	41.30	47.50	20.40	21.50	42.50	19.20
11	18.10	19.70	56.40	38.80	32.20	36.40	40.00	46.50	20.00	23.20	37.30	19.40
12	18.00	18.90	56.80	41.20	32.30	34.60	40.50	45.80	20.00	24.40	34.40	19.90
13	18.00	18.70	56.60	41.80	32.50	31.30	39.10	44.10	20.10	25.90	31.20	21.40
14	18.00	18.40	56.00	42.00	35.50	32.00	35.40	40.10	20.10	22.50	30.90	23.40
15	21.80	18.50	54.80	41.10	36.20	30.30	34.30	37.40	19.80	20.10	29.60	22.00
16	20.10	19.90	53.30	39.90	35.50	29.70	32.60	34.90	19.70	19.50	30.20	21.40
17	19.00	23.40	50.90	38.90	36.60	28.40	30.60	34.20	19.50	19.90	29.90	19.80
18	18.50	24.90	47.80	37.10	38.60	28.00	29.60	31.60	19.10	22.30	28.30	19.10
19	18.20	26.80	44.00	40.10	37.80	24.60	28.00	30.10	18.80	22.50	24.60	18.50
20	18.40	26.10	41.70	43.40	33.30	30.20	25.80	29.70	19.00	23.60	23.20	18.50
21	20.20	27.30	39.40	44.40	33.20	31.60	26.70	28.40	20.40	24.70	22.70	18.00
22	19.20	28.80	38.20	44.40	33.60	34.40	30.30	29.30	20.00	24.00	21.20	17.60
23	18.60	29.20	37.30	43.20	30.90	34.40	30.20	31.90	19.00	21.60	20.80	17.20
24	18.30	32.10	36.60	41.10	32.40	34.70	32.60	31.30	18.70	20.70	20.70	17.10
25	18.20	38.30	37.80	39.00	32.60	39.70	31.50	29.70	18.80	19.40	20.50	16.60
26	18.30	41.90	37.90	39.30	31.90	42.80	32.40	28.90	18.50	18.90	20.20	16.60
27	18.50	43.90	36.80	41.70	32.00	43.10	30.60	27.70	18.20	18.70	20.20	16.30
28	19.30	44.30	36.50	43.10	39.60	42.00	29.50	24.60	18.10	18.60	19.20	16.10
29	18.60	45.30	43.90	43.90	42.60	41.90	30.80	24.80	18.60	18.90	19.30	16.00
30	18.00	46.90	47.80	43.10	---	41.40	36.30	27.40	18.50	22.80	19.60	15.80
31	17.60	---	50.10	41.70	---	39.50	---	30.00	---	27.30	21.00	---
MEAN	18.53	25.99	47.20	42.59	34.49	36.70	35.17	36.08	21.55	21.38	31.35	19.35
MAX	21.80	46.90	56.80	52.20	42.60	43.60	44.40	48.20	31.80	27.30	50.80	25.20
MIN	17.60	17.90	36.50	35.90	30.60	24.60	25.80	24.60	18.10	18.20	19.20	15.80
CAL YR 1983	MEAN	32.44	MAX	60.10	MIN	16.60						
WTR YR 1984	MEAN	30.90	MAX	56.80	MIN	15.80						

MOBILE RIVER BASIN

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02429500 ALABAMA RIVER AT CLAIBORNE, AL
(National stream-quality accounting network station)

LOCATION.--Lat 31°32'48", long 87°30'45", in sec. 25, T. 7 N., R. 5 E., Monroe County, Hydrologic Unit 03150204, near left bank on downstream side of bridge on U.S. Highway 84 at Claiborne, 0.5 mi downstream from Limestone Creek, 12 mi west of Monroeville, and at mile 76.1.

DRAINAGE AREA.--21,967 mi² (revised).

PERIOD OF RECORD.--March 1966 to September 1968, October 1969 to current year.

PERIOD OF DAILY RECORD.--

CHEMICAL ANALYSES: March 1966 to September 1968.

SPECIFIC CONDUCTANCE: March 1966 to September 1968, May 1974 to September 1981.

WATER TEMPERATURES: March 1966 to September 1968, May 1974 to September 1981.

REMARKS.--Miscellaneous samples of chemical data published for water year 1965. "A specific conductance of 38 microsiemens was observed on Feb. 20, 1980. A temperature of 33°C was observed on Aug. 25, 1980."

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: (Water years 1966-68, 1975-79, 1981). Maximum, 255 microsiemens Oct. 22, 1977; minimum, 66 microsiemens Mar. 10, 1966.

WATER TEMPERATURES: (Water years 1966-68, 1975-79, 1981). Maximum, 32.5°C July 21-24, 28, Aug. 16, 17, 1981; minimum, (water years 1967-68, 1975-81), 4.0°C Jan. 17-18, Feb. 24-25, Mar. 1, 1968.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAM- FLOW INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCCHI FECAL, KF AGAR (COLS./ PER 100 ML)	HARD- NESS (MG/L AS CACO3)	HARD- NESS, NONCAR- BONATE (MG/L CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)
OCT												
20...	1215	13,900	149	7.5	23.5	8.7	8.8	72	150	48	0	14
DEC												
12...	1230	140,000	79	6.8	13.0	45	9.2	110	--	29	2	8.3
FEB												
23...	1230	33,000	98	7.2	11.5	16	10.8	160	K16	35	5	10
APR												
19...	1200	24,100	104	7.1	17.0	10	9.8	170	63	40	2	12
JUN												
13...	1000	12,100	104	6.9	27.0	13	7.8	K1400	270	37	2	11
AUG												
16...	1145	33,600	118	7.4	28.0	15	7.3	90	60	44	2	13

DATE	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LINITY LAB (MG/L AS CO2)	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)
OCT												
20...	3.1	9.9	30	0.6	1.6	47	2.9	10	9.6	<.10	6.6	91
DEC												
12...	1.9	3.3	19	.3	1.5	27	8.3	8.7	3.1	<.10	5.6	56
FEB												
23...	2.3	4.7	22	.4	1.3	30	3.7	9.7	5.4	<.10	6.9	61
APR												
19...	2.5	5.6	23	.4	1.1	38	5.8	8.1	5.9	<.10	6.7	77
JUN												
13...	2.3	6.1	26	.5	1.3	35	8.5	8.3	6.1	.10	6.3	80
AUG												
16...	2.8	6.3	23	.4	1.5	42	3.2	10	5.5	.10	6.0	78

DATE	SOLIDS, SUM OF CONSTITUENTS, DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)
OCT								
20...	83	0.12	0.140	<.010	0.60	0.040	0.020	0.020
DEC								
12...	49	.08	.120	<.010	.30	.150	.020	<.010
FEB								
23...	59	.08	.280	.030	--	--	.030	.030
APR								
19...	65	.10	.230	.090	1.2	.030	.040	.020
JUN								
13...	63	.11	.130	.050	.20	.020	<.010	<.010
AUG								
16...	71	.11	<.100	<.010	.30	<.010	<.010	<.010

MOBILE RIVER BASIN

02429500 ALABAMA RIVER AT CLAIBORNE, AL--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

	DATE	ALUM- INUM, DIS- SOLVED (UG/L AS AL)	ARSENIC DIS- SOLVED (UG/L AS AS)	BARIUM, DIS- SOLVED (UG/L AS BA)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	COBALT, DIS- SOLVED (UG/L AS CO)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, DIS- SOLVED (UG/L AS FE)		
	OCT 20...	10	1	36	<.5	<1	1	<3	2	110		
	FEB 23...	10	1	30	<.5	<1	<1	<3	1	180		
	APR 19...	<10	1	38	.6	<1	4	<3	2	230		
	AUG 16...	20	1	43	<.5	<1	1	<3	2	83		
	DATE	LEAD, DIS- SOLVED (UG/L AS PB)	LITHIUM DIS- SOLVED (UG/L AS LI)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MERCURY DIS- SOLVED (UG/L AS HG)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO)	NICKEL, DIS- SOLVED (UG/L AS NI)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	SILVER, DIS- SOLVED (UG/L AS AG)	STRON- TIUM, DIS- SOLVED (UG/L AS SR)	VANA- DIUM, DIS- SOLVED (UG/L AS V)	ZINC, DIS- SOLVED (UG/L AS ZN)
	OCT 20...	1	7	4	<.1	<10	1	<1	<1	59	<6	5
	FEB 23...	2	<4	16	.1	<10	2	<1	<1	47	<6	10
	APR 19...	3	<4	21	.1	<10	4	<1	<1	53	<6	8
	AUG 16...	1	<4	3	.1	<10	3	<1	<1	57	<6	19
	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 (PCI/L AS RAT-226)	URANIUM DIS- SOLVED, EXTRAC- TION (UG/L)	GROSS ALPHA, SUSP. TOTAL (PCI/L AS U-NAT)		
	OCT 20...	<1.9	<1.0	1.8	<.9	1.6	<.9	0.04	0.20	--		
	APR 19...	1.6	1.2	2.1	.7	1.8	.6	.05	.38	0.8		
	DATE	TIME	STREAM- FLOW INSTAN- TANEOUS (CFS)	SEDI- MENT SUS- PENDE (MG/L)	SEDI- MENT DIS- CHARGE SUS- PENDE (T/DAY)	SED- MENT SUS- PENDE SIEVE DIAM. % FINER THAN .062 MM						
	OCT 20...	1215	13,900	12	450	94						
	DEC 12...	1230	140,000	87	32,900	70						
	FEB 23...	1230	33,000	18	1,600	99						
	APR 19...	1200	24,100	23	1,500	96						
	JUN 13...	1000	12,100	26	849	92						
	AUG 16...	1145	33,600	61	5,530	89						

MOBILE RIVER BASIN

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02439000 BUTTAHATCHEE RIVER NEAR SULLIGENT, AL

LOCATION.--Lat 33°55'08", long 88°07'47", in NE¼ sec. 19, T. 13 S., R. 15 W., Lamar County, Hydrologic Unit 03160103, near left bank on downstream side of bridge on State Highway 17, 1 mi upstream from Bogue Creek, 1.5 mi northwest of Sulligent, 2 mi downstream from Beaver Creek, and at mile 56.7.

DRAINAGE AREA.--472 mi².

PERIOD OF RECORD.-- October 1983 to September 1984.

COOPERATION.--Water-quality samples were collected by the U.S. Geological Survey and analyzed by the Geological Survey of Alabama.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	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)
NOV 18...	1330	320	37	5.7	11.5	8.6	9	4	1.9	1.0	1.7
FEB 16...	1230	1180	42	5.2	11.0	10.4	7	4	1.5	.80	1.0
APR 30...	1330	4480	24	4.9	18.0	4.0	7	5	1.5	.70	1.0
SEP 26...	1200	199	41	5.7	22.0	6.2	11	4	2.5	1.1	3.4

DATE	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LINITY FIELD (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, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L)
NOV 18...	27	.3	1.0	5	19	2.8	1.8	<.10	6.4	20
FEB 16...	21	.2	.80	3	37	3.0	1.7	<.10	3.8	15
APR 30...	22	.2	.90	2	49	7.1	1.0	<.10	1.6	15
SEP 26...	37	.5	1.3	7	27	1.0	3.6	<.10	6.8	24

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, NITRITE DIS- SOLVED (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)
NOV 18...	0.03	17	0.140	<.01	0.140	--	--	--
FEB 16...	.02	--	.140	<.01	.140	--	<.01	--
APR 30...	.02	184	.140	<.01	.140	--	--	--
SEP 26...	.03	--	.170	<.01	--	0.170	--	0.020

DATE	ARSENIC DIS- SOLVED (UG/L AS AS)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	COBALT, DIS- SOLVED (UG/L AS CO)	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)	STRON- TIUM, DIS- SOLVED (UG/L AS SR)	ZINC, DIS- SOLVED (UG/L AS ZN)
NOV 18...	<1	1	1	<1	180	8	180	<.1	30	<10
FEB 16...	<1	1	1	<1	80	<1	80	<.1	30	20
APR 30...	<1	2	--	<1	110	1	60	.2	60	10
SEP 26...	<1	1	1	1	260	1	170	.1	30	20

MOBILE RIVER BASIN

02442500 LUXAPALLILA CREEK AT MILLPORT, AL

LOCATION.--Lat 33°34'01", long 88°05'00", in SW¼ sec. 14, T. 17 S., R. 15 W., Lamar County, Hydrologic Unit 03160105, near left bank on downstream side of bridge on State Highway 17, 0.20 mi downstream from Driver Creek, and 1.0 mi north of Millport.

DRAINAGE AREA.--247 mi² (revised).

PERIOD OF RECORD.--August 1954 to September 1959; December 1980 to current year.

REVISED RECORDS.--WDR AL-82-1: 1981.

GAGE.--Water-stage recorder. Datum of gage is 243.65 ft National Geodetic Vertical Datum of 1929.

REMARKS.--Records good. Records of specific conductance and water temperature for the water year 1984 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--8 years (water years 1955-59, 1982-84), 394 ft³/s, 21.66 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 13,300 ft³/s Dec. 3, 1983, gage height 13.74 ft; minimum, 34 ft³/s Sept. 15, 16, 20, 21, 1954.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 4,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec. 3	1030	*13,300	*13.74	Apr. 29	0245	5,230	11.71
Dec. 28	1600	5,430	11.85	May 3	1645	4,990	11.53
Apr. 27	0615	6,720	12.36				

Minimum discharge, 76 ft³/s Sept. 8, 24, 25, 26, 27, 28.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	100	101	298	643	398	553	618	886	218	145	118	92
2	98	99	500	591	385	507	577	1270	209	130	152	89
3	96	98	10400	544	432	467	3000	3990	199	126	199	88
4	98	107	10200	504	422	440	2710	2210	184	123	160	92
5	102	114	3120	476	381	2170	1170	1070	168	123	171	87
6	96	102	2160	446	352	1380	852	818	162	130	156	85
7	92	106	1100	410	339	860	698	669	162	184	151	84
8	90	108	806	383	335	693	621	2920	159	216	132	83
9	91	103	650	370	332	587	643	1230	152	145	129	83
10	91	100	557	1960	927	539	552	805	148	126	153	88
11	196	98	2590	1410	882	535	495	638	146	119	143	104
12	153	98	1820	784	721	492	447	529	149	118	126	99
13	254	99	967	636	1140	469	413	452	141	131	117	90
14	163	119	1060	546	748	432	379	401	137	137	122	86
15	128	406	789	530	607	411	352	356	138	126	114	84
16	117	214	620	500	649	402	343	319	134	173	114	82
17	112	138	541	480	593	715	348	295	130	196	226	81
18	108	121	491	500	510	677	316	280	127	153	134	80
19	108	120	449	600	471	534	587	266	124	132	117	81
20	105	885	417	650	432	1010	1350	267	122	118	114	79
21	101	310	411	500	409	804	690	326	151	115	109	80
22	120	205	1010	480	396	606	942	336	158	113	106	81
23	177	582	740	500	433	522	740	276	190	108	111	79
24	135	812	538	1000	395	545	539	261	261	105	101	78
25	120	317	422	964	364	717	444	242	152	120	97	79
26	113	239	386	715	359	560	815	232	133	108	95	78
27	108	913	546	613	1710	514	4950	234	128	104	96	79
28	103	1620	4840	539	904	2170	2980	731	129	127	97	80
29	101	516	3670	492	651	1700	3720	346	263	112	97	80
30	101	357	1000	451	---	890	1220	256	165	211	95	82
31	101	---	740	411	---	710	---	232	---	126	96	---
TOTAL	3678	9207	53838	19628	16677	23611	33511	23143	4839	4200	3948	2533
MEAN	119	307	1737	633	575	762	1117	747	161	135	127	84.4
MAX	254	1620	10400	1960	1710	2170	4950	3990	263	216	226	104
MIN	90	98	298	370	332	402	316	232	122	104	95	78
CFSM	.48	1.24	7.03	2.56	2.33	3.09	4.52	3.02	.65	.55	.51	.34
IN.	.55	1.39	8.11	2.96	2.51	3.56	5.05	3.49	.73	.63	.59	.38
CAL YR 1983	TOTAL	258965	MEAN	709	MAX	10400	MIN	77	CFSM	2.87	IN.	39.00
WTR YR 1984	TOTAL	198813	MEAN	543	MAX	10400	MIN	78	CFSM	2.20	IN.	29.94

MOBILE RIVER BASIN

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02444160 TOMBIGBEE RIVER AT ALICEVILLE LOCK AND DAM, NEAR PICKENSVILLE, AL

LOCATION.--Lat 33°12'38", long 88°17'19", in NW¼ sec. 26, T. 21 S., R. 17 W., Pickens County, Hydrologic Unit 03160106, near left bank at dam, 2 mi southwest of Pickensville, 10 mi northwest of Aliceville, and at mile 287.7.

DRAINAGE AREA.--5,750 mi².

PERIOD OF RECORD.--October 1980 to current year.

GAGE.--Water-stage recorder. Datum of gage is 100.00 ft National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers).

REMARKS.--Records good.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 130,000 ft³/s May 23, 1983; maximum gage height, 41.95 ft May 24, 1983; minimum daily, 196 ft³/s Oct. 22, 1982.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 115,000 ft³/s Dec. 6-7; maximum gage height, 41.82 ft Dec. 7; minimum daily, 287 ft³/s Sept. 27.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1290	1090	11200	36100	7950	18200	12800	35000	5830	1650	1600	649
2	710	789	10300	25000	6060	14900	11600	32800	3260	1740	699	605
3	632	1190	54500	15800	5380	10800	33000	48000	3220	921	1510	555
4	670	1360	95600	13200	6470	8450	44400	58500	2760	1330	1200	412
5	656	972	106000	12000	7920	25600	36100	53300	1910	1190	2840	373
6	702	1100	115000	12200	3290	38200	31900	50500	2040	1510	1460	342
7	766	1420	115000	9050	4340	32200	25600	42100	2240	1450	3860	351
8	688	1390	111000	7980	5570	27400	15800	34700	1320	915	1630	401
9	665	1390	98700	8250	4630	22200	11700	46200	2040	1130	1620	529
10	753	756	49200	16200	9230	14500	9760	53400	2100	1740	1480	529
11	1410	1210	39100	31100	18100	9950	8580	51200	1450	996	1620	1380
12	1770	2100	45800	27500	14700	8650	7190	40300	1240	1540	1680	356
13	964	2720	32100	24000	26400	8270	6930	24000	1310	2030	362	974
14	1340	2580	26900	21400	22500	7540	6060	14300	1420	1770	1350	451
15	1870	3820	29000	15200	18100	7020	5270	9830	1010	981	1390	1360
16	1640	5160	24000	11300	17200	6950	4620	6500	1600	4280	587	450
17	1030	3640	18600	8140	14800	9360	4710	6130	858	2110	1070	314
18	1150	3210	14200	12800	11000	15300	4910	4470	1650	2350	861	350
19	1290	3130	11000	15000	10300	14100	6180	3820	1260	916	883	310
20	830	12600	8410	11000	7710	16300	11700	4800	1380	1610	1150	329
21	1340	12600	8450	11200	6890	14900	10500	4020	1360	2100	588	387
22	1990	8990	14200	9560	5990	11900	18500	5100	1810	446	688	388
23	1620	14000	22900	8610	5900	9270	27600	4800	3420	783	1110	491
24	1520	28000	19600	25400	5790	8640	23000	3200	2590	934	737	317
25	2410	25700	15100	28400	5360	8480	20300	4400	1070	963	1170	326
26	1440	21500	13400	23200	5060	7840	19800	3440	1500	816	477	358
27	1300	22100	10700	20500	20300	7850	39200	3780	1600	1220	413	287
28	1260	27600	39500	14600	25500	15200	46200	6650	2000	1370	548	334
29	1180	21700	54400	11500	19300	22000	60700	9060	3070	507	461	341
30	1460	14400	50900	9930	---	18200	48700	6910	2260	800	1020	288
31	913	---	42200	7190	---	16600	---	7020	---	1350	478	---
TOTAL	37259	248217	1306960	503310	321740	456770	613310	678230	60578	43448	36542	14537
MEAN	1202	8274	42160	16240	11090	14730	20440	21880	2019	1402	1179	485
MAX	2410	28000	115000	36100	26400	38200	60700	58500	5830	4280	3860	1380
MIN	632	756	8410	7190	3290	6950	4620	3200	858	446	362	287
CFSM	.21	1.44	7.33	2.82	1.93	2.56	3.55	3.81	.35	.24	.21	.08
IN.	.24	1.61	8.46	3.26	2.08	2.96	3.97	4.39	.39	.28	.24	.09

CAL YR 1983	TOTAL	6785300	MEAN	18590	MAX	130000	MIN	615	CFSM	3.23	IN.	43.90
WTR YR 1984	TOTAL	4320901	MEAN	11810	MAX	115000	MIN	287	CFSM	2.05	IN.	27.95

MOBILE RIVER BASIN

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02446500 SIPSEY RIVER NEAR ELROD, AL

LOCATION.--Lat 33°15'25", long 87°46'35", in NE¼ sec. 3, T. 21 S., R. 12 W., Tuscaloosa County, Hydrologic Unit 03160107, on left bank at downstream side of bridge on State Highway 140, 0.2 mi upstream from Gulf, Mobile & Ohio Railroad bridge, 1.0 mi east of Elrod, 2.0 mi downstream from Box Creek, and at mile 50.7.

DRAINAGE AREA.--528 mi² (revised).

PERIOD OF RECORD.--August 1928 to March 1932, October 1939 to September 1971, October 1978 to current year.

REVISED RECORDS.--WSP 1384: Drainage area. WSP 1434: 1929.

GAGE.--Water-stage recorder. Datum of gage is 197.81 ft National Geodetic Vertical Datum of 1929. Prior to Mar. 31, 1932, nonrecording gage at railroad bridge 0.2 mi downstream from present site at datum 1.93 ft higher. Nov. 1 to Dec. 11, 1939, nonrecording gage at present site and datum.

REMARKS.--Records good. Records of specific conductance and water temperature for the water year 1984 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--41 years (water years 1929-31, 1940-71, 1979-84), 794 ft³/s, 20.42 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 27,800 ft³/s Feb. 23, 1961, gage height, 18.83 ft; minimum, 12 ft³/s Sept. 20, 1954.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 4,500 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec. 4	2100	*17,300	*16.88	Apr. 29	1700	6,550	14.85
Jan. 2	0100	6,200	14.78	May 3	1900	5,280	14.57
Apr. 8	0400	4,910	14.47				

Minimum discharge, 55 ft³/s Sept. 26, 27, 28, 29, 30.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	117	141	1590	4590	1220	1030	2310	3910	553	246	208	86
2	113	137	1720	5340	1050	1220	3060	3430	503	247	245	84
3	110	136	7500	3610	956	1520	3490	4850	398	203	311	81
4	103	138	15500	2710	895	1660	3100	4710	337	172	332	82
5	100	146	13800	2120	827	1800	2340	3820	303	157	289	85
6	97	152	9250	1710	767	1930	2030	3480	280	149	238	74
7	96	152	9050	1390	728	1720	3010	3230	262	154	207	72
8	96	149	6550	1170	696	1580	4780	3770	247	161	183	70
9	94	148	4610	1030	656	1840	4260	3340	233	187	167	68
10	96	147	3600	1020	641	2290	3160	2670	222	211	158	66
11	143	144	3310	1100	767	2290	2450	2170	212	245	156	67
12	196	143	3400	1130	861	1900	1920	2020	206	226	152	72
13	278	141	3040	1180	1110	1540	1570	2640	199	183	150	76
14	322	144	2940	1380	1560	1250	1290	2530	195	176	161	76
15	294	195	3060	1870	1730	1060	1080	1970	194	178	149	81
16	249	248	3480	2370	1740	967	966	1500	186	174	136	79
17	225	278	3360	2070	1820	913	887	1140	174	178	132	72
18	204	303	2720	1780	1910	870	806	952	166	220	125	68
19	175	352	2180	1520	1790	814	751	822	163	236	122	66
20	156	455	1750	1250	1490	877	801	699	159	200	134	63
21	144	592	1410	1090	1220	1030	788	615	153	176	132	61
22	142	611	1280	1040	1050	1140	847	570	154	158	123	61
23	166	704	1140	1080	970	1260	945	590	212	144	127	60
24	179	889	1040	1320	950	1480	1190	618	220	134	119	58
25	190	945	972	1480	930	1900	1340	605	269	128	119	57
26	192	989	968	1400	920	1950	1260	543	333	123	115	56
27	183	1040	1020	1290	910	1650	1500	477	315	119	104	55
28	167	1540	2260	1350	976	1480	2360	430	263	140	96	57
29	158	1960	3140	1490	985	1370	5660	418	219	207	92	56
30	151	1800	2930	1560	---	1330	5050	419	218	218	89	56
31	146	---	4020	1420	---	1450	---	494	---	183	88	---
TOTAL	5082	14919	122590	54860	32125	45111	65001	59432	7548	5633	4959	2065
MEAN	164	497	3955	1770	1108	1455	2167	1917	252	182	160	68.8
MAX	322	1960	15500	5340	1910	2290	5660	4850	553	247	332	86
MIN	94	136	968	1020	641	814	751	418	153	119	88	55
CFSM	.31	.94	7.49	3.35	2.10	2.76	4.10	3.63	.48	.34	.30	.13
IN.	.36	1.05	8.64	3.87	2.26	3.18	4.58	4.19	.53	.40	.35	.15

CAL YR 1983	TOTAL	577788	MEAN	1583	MAX	15500	MIN	90	CFSM	3.00	IN.	40.71
WTR YR 1984	TOTAL	419325	MEAN	1146	MAX	15500	MIN	55	CFSM	2.17	IN.	29.54

MOBILE RIVER BASIN

02447025 TOMBIGBEE RIVER AT GAINESVILLE LOCK AND DAM, NEAR GAINESVILLE, AL

LOCATION.--Lat 32°50'53", long 88°09'22", in N½ sec. 36, T. 22 N., R. 2 W., Greene County, Hydrologic Unit 03160106, near left bank at dam, 1.0 mi downstream from Turkey Paw Branch, 1.8 mi north of Gainesville, 2.4 mi upstream from Noxubee River, and at mile 238.6.

DRAINAGE AREA.--7,230 mi² (revised).

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

GAGE.--Water-stage recorder. Datum of gage is 65.00 ft National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers).

REMARKS.--Records fair except those below 700 ft³/s, which are poor.

AVERAGE DISCHARGE.--6 years, 14,120 ft³/s, 26.56 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 134,000 ft³/s May 25, 1983; maximum gage height, 55.74 ft Apr. 15, 1979; minimum daily, 143 ft³/s Sept. 8, 1982, Nov. 13, 1982.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 124,000 ft³/s Dec. 9; maximum gage height, 50.70 ft Dec. 9; minimum daily, 255 ft³/s Sept. 14.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1660	1460	15700	48000	9360	21600	17400	58300	5770	2130	1960	868
2	657	1130	13200	37900	8960	19200	14100	47300	5100	2350	908	569
3	602	1230	36100	25700	8660	14000	29600	51400	3830	1280	2130	598
4	759	1570	71000	20200	7860	10700	49200	65100	3650	2190	1700	438
5	1120	920	76900	18500	10600	23300	49300	65700	2520	1850	2820	260
6	557	1320	111000	17600	4870	42400	43700	63900	2170	2260	2560	318
7	1050	1410	120000	13800	5560	42300	36200	61300	3100	2110	3990	376
8	590	1310	122000	10600	7720	37000	25300	51000	1440	1680	1910	359
9	553	1690	124000	10000	5490	30200	19500	47700	2490	1700	3170	459
10	644	712	116000	17200	9560	21300	17500	55400	2430	1810	1830	640
11	1660	1300	92400	31600	21500	13600	16100	59400	1130	1740	1820	1190
12	1310	1920	82100	33700	18700	11800	13500	54300	2340	1310	2490	286
13	1960	2880	59400	29600	28600	11700	12000	39200	887	2760	485	1110
14	1370	2620	39600	25800	31000	10400	9590	21200	2260	1960	2170	255
15	2820	4620	36700	20800	23900	9580	7970	14100	874	995	1250	1510
16	2090	4980	33900	14800	20700	9560	7690	10400	1360	3710	785	258
17	1130	4150	26200	11600	19800	9460	6750	8490	1450	3180	1390	277
18	1570	3300	20300	13700	15100	16800	6330	7190	1730	2070	919	334
19	1600	3760	16800	20900	13300	16400	8950	5410	1670	775	1300	280
20	1770	12500	12900	14800	11000	18600	15700	6860	562	2110	1210	336
21	1180	16100	11600	14600	9490	19000	15100	5530	498	1700	941	1780
22	2670	10200	15700	13300	8450	15400	18400	6460	2040	1340	1080	274
23	1140	14000	24200	10600	7730	12700	29900	6090	2530	580	1360	362
24	2380	29700	25500	25000	8060	11400	28500	5070	3870	1590	485	383
25	2120	30600	19100	35100	6950	11400	23400	4270	2160	833	1140	280
26	1650	26500	16600	30600	6500	10900	22100	5470	2160	1190	876	443
27	1770	24600	13000	26400	18700	10700	34400	5260	2370	673	557	291
28	1350	31100	34100	20800	29500	14800	45200	5860	1260	1770	557	279
29	1340	29200	58100	15700	25500	27100	61900	10500	3640	572	623	288
30	1350	21100	64400	12700	---	23100	67900	8100	3430	993	1350	289
31	971	---	58400	10800	---	21300	---	8120	---	1580	924	---
TOTAL	43393	287882	1566900	652400	403120	567700	753180	864380	70721	52791	46690	15390
MEAN	1400	9596	50550	21050	13900	18310	25110	27880	2357	1703	1506	513
MAX	2820	31100	124000	48000	31000	42400	67900	65700	5770	3710	3990	1780
MIN	553	712	11600	10000	4870	9460	6330	4270	498	572	485	255
CFSM	.19	1.33	6.99	2.91	1.92	2.53	3.47	3.86	.33	.24	.21	.07
IN.	.22	1.48	8.06	3.36	2.07	2.92	3.88	4.45	.36	.27	.24	.08
CAL YR 1983	TOTAL	8860689	MEAN	24280	MAX	134000	MIN	465	CFSM	3.36	IN.	45.59
WTR YR 1984	TOTAL	5324547	MEAN	14550	MAX	124000	MIN	255	CFSM	2.01	IN.	27.40

MOBILE RIVER BASIN

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02448500 NOXUBEE RIVER NEAR GEIGER, AL

LOCATION.--Lat 32°55'06", long 88°17'45", in SE¼ sec. 33, T. 23 N., R. 3 W., Sumter County, Hydrologic Unit 03160108, near left bank on downstream side of bridge on State Highway 17, 0.5 mi upstream from Woodward Creek, 1 mi upstream from Alabama, Tennessee and Northern Railroad bridge, 4 mi north of Geiger, and at mile 16.9.

DRAINAGE AREA.--1,097 mi² (revised).

PERIOD OF RECORD.--March 1939 to September 1940, July 1944 to September 1965, October 1965 to September 1966 (gage heights only), October 1966 to current year. (Monthly discharge only for period October to December 1966.)

REVISED RECORDS.--WSP 1384: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 86.08 ft National Geodetic Vertical Datum of 1929. Prior to Sept. 30, 1940, nonrecording gage at site of old highway bridge 1 mi downstream at datum 1.44 ft lower. July 26, 1944 to June 5, 1949, nonrecording gage at present site and datum. Water-stage recorder for Tombigbee River at Gainesville is used as an auxiliary gage for this station.

REMARKS.--Records fair. Records of specific conductance and water temperature for the water year 1984 are published under miscellaneous water-quality sites in this report. Discharge includes flow of Noxubee cutoff channel at bridge on State Highway 17, 1 mi north of gage.

AVERAGE DISCHARGE.--40 years (water years 1940, 1945-65, 1967-84), 1,623 ft³/s, 20.09 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 156,000 ft³/s Apr. 14, 1979, gage height, 48.58 ft; minimum, 13 ft³/s July 7, 1954.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 12,600 ft³/s Dec. 12, gage height, 34.30 ft; minimum, 79 ft³/s Sept. 22.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1	151	123	2120	6060	1840	2630	2000	5990	265	173	127	117	
2	144	120	1400	5520	1130	2200	1600	6690	254	169	127	114	
3	140	119	1260	5560	928	2170	3000	7650	245	167	125	114	
4	136	119	4180	5310	816	2030	5300	9190	235	171	132	113	
5	131	116	4790	3980	759	3340	4500	9190	225	159	264	111	
6	127	114	5540	1860	704	5800	4000	10000	216	151	555	110	
7	125	122	6120	1280	647	5560	3750	10900	211	177	1840	110	
8	124	142	7010	1080	608	4940	4050	10500	206	438	1350	107	
9	124	135	8320	943	559	4370	3650	9020	198	198	672	104	
10	122	129	9440	1530	817	4160	2800	7450	197	167	1110	103	
11	120	126	10300	4060	3990	4270	2000	5410	195	181	1370	102	
12	118	123	11400	4130	4930	4080	1500	2470	194	159	1480	96	
13	118	116	10400	3690	6520	2920	1150	1550	195	161	573	92	
14	123	113	8900	3100	6590	1440	850	1130	185	148	2300	90	
15	127	109	7490	2930	5730	965	650	818	178	508	575	89	
16	136	106	6520	3050	4790	816	570	668	171	549	274	88	
17	127	147	5460	2900	4500	822	520	560	166	309	276	86	
18	125	155	4150	2530	4270	1560	500	483	162	223	259	84	
19	132	135	2770	3100	4000	1750	650	442	163	249	178	84	
20	127	1100	1750	2640	3390	1970	2180	424	159	367	147	82	
21	120	2860	1190	2070	2330	2690	2880	406	152	282	140	81	
22	117	1670	1290	1780	1530	2350	3160	430	150	214	135	80	
23	113	1260	1760	1680	1240	1950	3480	417	160	176	128	81	
24	109	4570	1800	4000	1160	1700	2980	403	209	164	124	80	
25	108	4850	1690	5670	913	1550	2460	374	173	150	133	80	
26	128	3820	1630	5230	754	1600	1980	350	165	138	139	80	
27	130	2450	1620	4500	2650	1300	3450	336	154	135	127	80	
28	151	3340	4320	3690	3980	2100	5290	318	153	132	123	80	
29	154	3670	6940	3310	3440	4000	6080	326	157	133	122	80	
30	140	3200	6850	3260	---	3350	6050	310	170	141	123	80	
31	129	---	6640	2900	---	2700	---	276	---	128	119	---	
TOTAL	3976	35159	155050	103343	75515	83083	83030	104481	5663	6617	15147	2798	
MEAN	128	1172	5002	3334	2604	2680	2768	3370	189	213	489	93.3	
MAX	154	4850	11400	6060	6590	5800	6080	10900	265	549	2300	117	
MIN	108	106	1190	943	559	816	500	276	150	128	119	80	
CFSM	.12	1.07	4.56	3.04	2.37	2.44	2.52	3.07	.17	.19	.45	.09	
IN.	.13	1.19	5.26	3.50	2.56	2.82	2.82	3.54	.19	.22	.51	.09	
CAL YR 1983	TOTAL	1426883		MEAN	3909	MAX	32800	MIN	106	CFSM	3.56	IN.	48.39
WTR YR 1984	TOTAL	673862		MEAN	1841	MAX	11400	MIN	80	CFSM	1.68	IN.	22.85

MOBILE RIVER BASIN

02449000 TOMBIGBEE RIVER AT GAINESVILLE, AL
(National stream-quality accounting network station)

LOCATION.--Lat 32°49'30", long 88°09'24", in SE¼ sec. 2, T. 21 N., R. 2 W., Sumter County, Hydrologic Unit 03160106, near right bank on downstream side of bridge on State Highway 39 at Gainesville, 2 mi downstream from Noxubee River, and at mile 234.4.

DRAINAGE AREA.--8,632 mi² (revised).

PERIOD OF RECORD.--October 1962 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: October 1971 to current year.

WATER TEMPERATURES: October 1962 to current year.

REMARKS.--No specific conductance data for Oct. 1-16, Dec. 3-8; and no water temperature for Oct. 1-16, Dec. 3-8 due to recorder malfunctions.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE (water years 1975, 1977-84): Maximum, 233 microsiemens Aug. 28, 1977; minimum, 28 microsiemens Apr. 16, 1979.

WATER TEMPERATURES: Maximum, (water years 1962-69, 1971-79, 1981-84), 35.0°C July 25, 1972; minimum, 0°C Dec. 31, 1983, Jan. 1, 4, 1984.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 179 microsiemens July 8; minimum, 35 microsiemens Jan. 1, 5-7.

WATER TEMPERATURES: Maximum, 32.0°C July 19; minimum, 0°C Dec. 31, Jan. 1, 4.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAM- FLOW INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD- NESS (MG/L AS CACO3)	HARD- NESS, NONCAR- BONATE (MG/L AS CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)
OCT 13...	0945	2,050	130	7.5	23.0	11	8.5	170	460	47	8	16
DEC 09...	1120	147,000	56	6.9	12.0	90	8.0	230	K1300	22	1	7.8
FEB 15...	0930	32,000	118	7.2	11.5	95	10.8	K500	K2200	45	4	16
APR 11...	0940	18,000	77	6.9	15.0	21	9.8	260	250	30	1	10
JUN 11...	1045	500	105	7.2	27.0	6.5	9.1	29	K19	39	5	13
AUG 06...	1015	1,000	130	7.6	28.0	.50	8.4	38	140	49	7	17
DATE		MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LINITY FIELD (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)	
OCT 13...		1.6	5.8	21	0.4	1.8	39	2.4	9.5	8.7	0.10	
DEC 09...		.63	1.3	10	.1	1.8	21	5.1	8.0	1.6	<.10	
FEB 15...		1.2	3.2	13	.2	1.3	41	5.0	12	4.6	<.10	
APR 11...		1.2	2.1	13	.2	1.2	29	7.1	10	3.4	<.10	
JUN 11...		1.5	3.1	14	.2	1.4	34	4.2	7.4	4.4	.10	
AUG 06...		1.6	4.8	17	.3	1.6	42	2.0	8.4	7.0	<.10	
DATE		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 TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	
OCT 13...		4.8	82	72	0.11	--	0.020	<.100	0.120	0.080	<.010	
DEC 09...		4.0	46	38	.06	--	--	--	<.100	--	<.010	
FEB 15...		6.1	80	70	.11	0.160	.040	.200	.190	.090	.060	
APR 11...		5.6	48	51	.07	--	--	--	<.100	--	.060	
JUN 11...		5.7	68	57	.09	--	.010	<.100	<.100	.040	<.010	
AUG 06...		4.9	85	71	.12	.280	.020	.300	<.100	<.010	.010	

MOBILE RIVER BASIN

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02449000 TOMBIGBEE RIVER AT GAINESVILLE, AL--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	PHOS- PHORUS, ORTHO, DIS- SOLVED (MG/L AS P)
OCT 13...	0.52	0.60	--	0.030	0.020	<.010
DEC 09...	--	.60	--	.120	.040	<.010
FEB 15...	.81	.90	1.1	.080	.080	.040
APR 11...	--	.80	--	.130	.010	<.010
JUN 11...	.46	.50	--	.020	<.010	<.010
AUG 06...	--	.50	.80	.030	.010	<.010

DATE	ALUM- INUM, DIS- SOLVED (UG/L AS AL)	ARSENIC DIS- SOLVED (UG/L AS AS)	BARIUM, DIS- SOLVED (UG/L AS BA)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	COBALT, DIS- SOLVED (UG/L AS CO)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, DIS- SOLVED (UG/L AS PB)	LITHIUM DIS- SOLVED (UG/L AS LI)
OCT 13...	10	1	32	<.5	<1	<1	<3	2	26	1	<4
FEB 15...	20	2	31	<.5	<1	<1	<3	2	150	<1	4
APR 11...	10	1	29	<.5	<1	2	<3	3	250	2	<4
AUG 06...	<10	1	31	<.5	<1	3	<3	1	19	2	<4

DATE	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MERCURY DIS- SOLVED (UG/L AS HG)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO)	NICKEL, DIS- SOLVED (UG/L AS NI)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	SILVER, DIS- SOLVED (UG/L AS AG)	STRON- TIUM, DIS- SOLVED (UG/L AS SR)	VANA- DIUM, DIS- SOLVED (UG/L AS V)	ZINC, DIS- SOLVED (UG/L AS ZN)	MERCURY DIS- SOLVED (UG/L AS HG)	SPE- CIFIC CON- DUCT- ANCE LAB (UMHOS)
OCT 13...	9	<.1	<10	1	<1	<1	120	<6	<3	<.1	126
FEB 15...	23	.2	<10	3	<1	<1	110	<6	8	.2	114
APR 11...	28	<.1	<10	1	<1	<1	72	<6	7	<.1	67
AUG 06...	<1	.3	<10	2	<1	<1	120	<6	4	.3	130

DATE	TIME	STREAM- FLOW INSTAN- TANEOUS (CFS)	SEDI- MENT SUS- PENDEd (MG/L)	SEDI- MENT DIS- CHARGE SUS- PENDEd (T/DAY)	SEDI- MENT SUS- PENDEd SIEVE DIAM. % FINER THAN .062 MM
OCT 13...	0945	2,050	25	138	97
DEC 06...	1305	105,000	366	10,400	--
09...	1120	147,000	161	63,900	70
FEB 15...	0930	32,000	132	11,400	94
APR 11...	0910	18,500	44	2,200	--
11...	0940	18,000	40	1,944	96
30...	1620	73,800	238	47,400	--
MAY 01...	1455	69,800	126	23,700	--
02...	0815	55,900	88	13,300	--
04...	1230	74,800	230	46,400	86
05...	0800	78,950	243	51,800	85
08...	1400	62,800	84	14,200	91
09...	1350	56,500	69	10,500	88
JUN 11...	1045	500	13	18	94
AUG 06...	1015	1,000	28	76	--

MOBILE RIVER BASIN

02449000 TOMBIGBEE RIVER AT GAINESVILLE, AL--Continued

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER				NOVEMBER			DECEMBER			JANUARY		
1	---	---	---	170	140	155	116	100	102	63	35	55
2	---	---	---	165	140	150	100	97	99	62	43	60
3	---	---	---	167	142	157	---	---	---	61	57	60
4	---	---	---	164	140	149	---	---	---	62	59	61
5	---	---	---	158	140	148	---	---	---	67	35	62
6	---	---	---	158	140	154	---	---	---	66	35	52
7	---	---	---	158	140	151	---	---	---	71	35	54
8	---	---	---	154	140	148	---	---	---	73	65	69
9	---	---	---	152	145	150	61	36	48	78	67	71
10	---	---	---	152	140	148	61	36	52	95	68	76
11	---	---	---	156	140	151	61	36	54	127	92	107
12	---	---	---	150	140	145	73	42	63	127	103	116
13	---	---	---	156	145	149	79	74	76	122	95	116
14	---	---	---	148	140	144	78	74	76	113	95	104
15	---	---	---	150	138	142	74	65	72	95	87	91
16	---	---	---	155	140	145	78	74	76	88	86	87
17	140	130	133	147	137	143	80	76	79	90	87	88
18	145	137	141	154	142	147	81	79	80	110	88	96
19	148	138	143	156	145	151	79	74	77	104	93	99
20	152	142	148	154	142	148	76	72	74	103	86	93
21	157	140	146	165	140	149	74	64	72	95	88	91
22	157	140	153	158	140	149	90	72	79	107	93	101
23	156	147	152	158	135	146	78	72	75	112	106	109
24	157	150	155	172	140	153	89	74	81	132	95	120
25	157	152	155	152	137	144	106	89	97	129	105	115
26	157	152	155	145	130	138	106	94	103	113	95	110
27	158	154	155	145	100	113	101	97	99	110	103	107
28	157	148	155	136	100	117	115	95	106	103	99	101
29	170	140	155	117	102	110	109	86	96	99	85	93
30	167	140	156	118	100	108	89	73	82	96	86	93
31	164	140	149	---	---	---	72	55	66	104	91	94
MONTH	170	130	150	172	100	143	116	36	79	132	35	89
FEBRUARY				MARCH			APRIL			MAY		
1	114	90	97	111	106	109	114	108	111	93	80	87
2	122	88	97	106	103	104	108	101	105	81	79	80
3	109	84	93	103	99	101	122	102	112	95	78	86
4	111	76	90	99	96	98	115	96	105	94	89	93
5	111	84	87	116	95	103	108	100	103	95	91	94
6	104	83	93	111	95	102	99	90	94	91	80	85
7	100	87	93	108	103	107	90	84	87	79	73	76
8	92	83	88	103	93	98	99	83	86	78	73	75
9	103	86	89	93	88	90	108	92	97	79	75	77
10	114	89	95	88	83	86	91	86	88	92	80	87
11	128	96	111	84	81	82	87	72	79	92	86	89
12	131	96	117	85	81	83	72	69	70	85	80	82
13	137	96	118	89	85	87	70	65	68	83	79	81
14	134	102	121	89	86	88	77	65	70	85	82	83
15	120	98	107	87	82	84	75	68	71	86	81	83
16	119	97	101	83	77	81	87	65	70	86	80	83
17	114	112	113	85	75	82	84	66	72	89	76	83
18	111	103	107	92	80	85	85	68	75	91	76	82
19	103	102	102	98	89	94	88	67	74	98	77	84
20	104	101	103	112	91	101	92	70	84	101	73	83
21	106	103	105	124	110	118	112	89	104	96	76	82
22	104	97	101	123	115	119	97	83	88	95	73	84
23	105	96	99	117	113	114	111	88	103	97	76	85
24	100	94	96	115	112	113	114	110	112	108	77	87
25	98	92	95	127	113	117	113	109	111	99	80	91
26	105	89	95	117	113	115	111	108	109	106	81	89
27	112	90	102	127	108	116	119	102	108	104	81	90
28	115	100	106	129	107	120	118	103	108	107	80	88
29	111	101	106	111	102	107	102	92	99	85	79	81
30	---	---	---	112	103	108	94	91	93	89	81	85
31	---	---	---	114	106	110	---	---	---	91	83	86
MONTH	137	76	101	129	75	101	122	65	92	108	73	85

MOBILE RIVER BASIN

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02449000 TOMBIGBEE RIVER AT GAINESVILLE, AL--Continued

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	101	86	92	113	104	108	128	118	125	134	130	132
2	104	89	95	120	104	108	126	116	120	133	127	131
3	106	90	98	114	102	105	128	117	123	138	130	133
4	109	91	95	115	101	106	125	114	120	140	130	134
5	109	93	97	116	102	107	122	112	116	142	133	136
6	111	93	99	111	99	105	152	112	122	142	131	137
7	107	94	97	114	100	108	131	110	117	146	132	137
8	114	96	100	179	112	139	131	120	125	141	133	136
9	107	95	99	141	113	129	137	115	123	136	130	133
10	112	98	102	143	116	128	142	119	128	133	129	131
11	119	99	104	134	109	119	146	124	135	130	128	129
12	118	100	104	131	109	121	156	121	138	134	129	131
13	123	103	108	118	103	111	144	127	136	135	131	133
14	116	107	109	131	101	113	143	118	128	135	131	133
15	119	106	109	131	102	112	139	126	132	137	129	132
16	130	108	113	125	102	116	147	127	136	137	131	133
17	124	105	110	120	102	111	145	127	134	142	134	138
18	128	105	115	125	104	111	144	125	131	141	135	138
19	121	105	109	116	103	109	142	122	127	143	136	139
20	121	104	110	118	103	111	136	122	128	141	134	136
21	118	113	115	120	107	112	146	121	128	137	133	135
22	116	101	109	117	107	112	147	126	132	138	133	135
23	113	99	105	124	115	119	139	121	127	138	134	136
24	135	97	115	121	110	114	142	127	135	138	135	136
25	134	99	109	123	116	119	138	122	127	138	134	136
26	124	98	104	121	115	117	136	123	127	140	136	137
27	121	98	107	124	117	120	136	130	133	142	135	137
28	115	100	107	122	112	118	139	131	135	138	135	137
29	109	97	102	129	118	126	142	129	132	141	136	139
30	117	101	105	145	130	134	136	127	132	140	137	139
31	---	---	---	134	122	127	132	126	129	---	---	---
MONTH	135	86	105	179	99	116	156	110	128	146	127	135
YEAR	179	35	109									

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	---	---	---	20.0	18.5	19.5	10.0	10.0	10.0	.5	.0	.5
2	---	---	---	20.0	19.0	19.5	11.0	10.0	10.5	.5	.5	.5
3	---	---	---	20.0	19.0	19.5	---	---	---	1.0	.5	.5
4	---	---	---	20.0	19.0	19.5	---	---	---	1.0	.0	.5
5	---	---	---	19.5	18.5	19.0	---	---	---	1.5	1.0	1.5
6	---	---	---	19.0	17.0	18.0	---	---	---	2.5	1.5	2.0
7	---	---	---	18.5	17.0	18.0	---	---	---	3.0	2.0	2.5
8	---	---	---	18.5	17.0	17.5	---	---	---	3.5	2.0	3.5
9	---	---	---	18.0	17.0	17.5	12.0	11.5	11.5	4.5	3.5	4.0
10	---	---	---	18.0	16.5	17.5	11.5	10.0	11.0	5.0	4.5	4.5
11	---	---	---	17.0	16.0	16.5	11.5	10.0	11.0	5.5	5.0	5.0
12	---	---	---	16.5	15.0	15.5	11.0	10.0	10.5	5.5	5.5	5.5
13	---	---	---	16.5	15.0	15.5	11.5	10.5	11.0	5.5	5.0	5.0
14	---	---	---	16.0	15.0	15.5	11.5	10.0	11.0	5.0	4.5	5.0
15	---	---	---	16.5	15.0	15.5	11.0	10.0	10.5	4.5	4.5	4.5
16	---	---	---	16.0	15.0	15.5	10.0	9.5	9.5	5.0	4.5	4.5
17	22.5	22.0	22.5	15.5	14.5	15.0	9.5	8.5	9.0	5.0	4.5	5.0
18	23.0	22.0	22.5	15.0	14.5	15.0	8.5	8.5	8.5	5.0	4.5	5.0
19	23.0	22.0	22.5	15.5	15.0	15.0	8.5	7.0	8.0	4.5	4.0	4.5
20	23.0	22.0	22.5	15.5	15.0	15.0	8.0	7.5	7.5	4.0	4.0	4.0
21	22.5	22.0	22.0	15.0	14.5	15.0	7.5	7.0	7.5	4.0	3.0	3.5
22	22.0	21.5	22.0	14.5	14.5	14.5	7.5	7.0	7.5	3.5	2.0	3.0
23	22.0	20.5	21.5	15.0	14.5	14.5	7.0	6.0	7.0	3.0	2.5	3.0
24	21.5	20.0	21.0	15.0	15.0	15.0	6.0	4.5	5.5	3.0	2.5	3.0
25	21.0	20.0	20.5	15.0	14.5	14.5	4.5	3.5	4.0	3.0	2.0	2.5
26	20.5	20.0	20.0	14.5	14.0	14.0	3.5	2.0	3.0	3.5	2.0	3.5
27	20.5	19.5	20.0	14.0	13.5	14.0	2.5	2.0	2.5	4.5	3.5	4.0
28	20.0	19.0	19.5	13.5	12.0	12.5	2.0	1.5	2.0	4.5	4.5	4.5
29	20.0	18.5	19.5	12.5	12.0	12.0	1.5	.5	1.0	5.0	4.5	4.5
30	20.0	18.5	19.5	12.0	10.5	11.0	1.0	.5	.5	5.5	5.0	5.0
31	19.5	19.0	19.5	---	---	---	.5	.0	.5	5.5	5.0	5.5
MONTH	23.0	18.5	21.0	20.0	10.5	16.0	12.0	.0	7.0	5.5	.0	3.5

02449000 TOMBIGBEE RIVER AT GAINESVILLE, AL--Continued

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN			
	FEBRUARY				MARCH				APRIL				MAY		
1	5.5	5.5	5.5	10.0	9.5	9.5	15.5	15.0	15.0	20.5	20.0	20.0			
2	6.0	5.0	5.5	9.5	9.0	9.0	15.5	15.0	15.0	20.0	19.5	20.0			
3	6.5	5.0	6.0	9.0	8.5	8.5	16.0	15.0	15.5	20.0	20.0	20.0			
4	7.0	5.0	6.0	9.0	8.5	9.0	16.0	15.5	16.0	20.5	19.5	20.0			
5	7.0	5.5	6.5	10.5	9.0	10.0	16.0	15.5	16.0	20.5	20.0	20.5			
6	6.5	6.0	6.5	11.0	10.5	10.5	16.0	15.5	16.0	21.0	20.5	20.5			
7	6.5	5.0	6.0	11.0	10.5	11.0	16.0	15.5	16.0	22.0	21.0	21.5			
8	6.5	5.5	6.5	11.0	10.5	11.0	15.5	15.0	15.5	22.0	22.0	22.0			
9	6.5	5.5	6.5	11.0	10.5	10.5	15.0	14.5	15.0	22.0	21.5	22.0			
10	7.5	6.5	7.0	10.5	10.0	10.5	15.0	15.0	15.0	21.5	21.0	21.5			
11	9.0	7.0	8.0	10.5	10.0	10.0	16.0	15.0	15.5	21.0	20.5	21.0			
12	9.5	8.5	9.0	10.0	10.0	10.0	16.5	16.0	16.0	21.0	20.5	20.5			
13	11.0	9.5	10.0	10.5	10.0	10.5	17.0	16.0	16.5	21.5	21.0	21.0			
14	11.5	10.0	10.5	11.5	10.5	11.0	17.5	17.0	17.0	22.0	21.5	22.0			
15	12.0	10.5	11.5	12.0	11.0	11.5	17.5	17.0	17.5	23.0	22.0	22.5			
16	12.5	11.5	12.0	13.0	12.0	12.5	17.5	17.0	17.5	23.0	22.5	23.0			
17	13.0	12.5	12.5	14.0	13.0	13.5	17.5	17.0	17.5	23.5	22.5	23.0			
18	13.0	12.0	12.5	15.0	13.5	14.5	18.0	17.0	17.5	23.5	23.0	23.0			
19	13.5	12.5	13.0	16.0	15.0	15.5	17.5	17.5	17.5	24.0	23.0	23.5			
20	13.5	12.0	13.0	16.0	15.5	15.5	18.0	17.5	17.5	24.0	23.0	23.5			
21	13.5	12.0	12.5	15.5	15.0	15.5	18.0	17.5	18.0	23.5	23.0	23.5			
22	13.5	12.0	13.0	16.0	15.5	15.5	19.0	18.0	18.5	23.5	23.0	23.5			
23	13.5	13.0	13.0	16.0	15.5	16.0	19.0	18.5	19.0	24.0	23.5	23.5			
24	13.5	13.0	13.0	16.0	15.5	16.0	19.0	19.0	19.0	24.5	23.5	24.0			
25	13.5	13.0	13.0	16.0	15.5	15.5	19.5	19.0	19.0	25.5	24.0	24.5			
26	13.5	13.0	13.0	16.0	15.5	15.5	19.5	19.5	19.5	27.5	24.5	25.0			
27	13.0	12.5	13.0	16.0	15.5	15.5	19.5	19.0	19.5	26.5	25.0	25.5			
28	12.5	11.0	12.0	16.5	16.0	16.0	19.5	19.5	19.5	26.0	25.5	26.0			
29	11.0	10.0	10.5	16.0	15.5	15.5	20.0	19.5	20.0	26.0	26.0	26.0			
30	---	---	---	15.5	15.0	15.5	20.5	20.0	20.5	25.5	25.0	25.5			
31	---	---	---	15.5	15.0	15.0	---	---	---	25.5	24.5	25.0			
MONTH	13.5	5.0	10.0	16.5	8.5	13.0	20.5	14.5	17.5	27.5	19.5	22.5			
	JUNE				JULY				AUGUST				SEPTEMBER		
1	25.5	24.0	25.0	30.0	28.5	29.0	29.5	29.0	29.0	31.0	29.5	30.0			
2	25.5	24.5	25.0	31.0	28.5	29.5	29.5	28.5	29.0	31.0	30.0	30.0			
3	26.0	24.5	25.0	31.5	29.0	29.5	29.0	28.0	28.5	31.0	29.5	30.0			
4	27.0	25.0	25.5	31.0	29.0	30.0	29.5	28.5	28.5	30.0	29.0	29.5			
5	26.0	25.0	25.5	31.0	29.0	29.5	29.0	28.0	28.5	30.5	28.5	29.0			
6	26.5	25.0	25.5	30.5	29.0	29.5	30.0	28.0	28.5	29.5	28.0	28.5			
7	26.5	25.5	26.0	31.5	29.0	29.5	28.0	25.0	27.0	28.5	27.5	28.0			
8	27.0	25.5	26.0	29.5	27.0	28.5	28.0	25.5	26.5	28.5	27.5	28.0			
9	27.0	25.5	26.5	30.5	28.0	29.5	28.5	26.5	28.0	28.0	27.5	28.0			
10	28.0	26.5	27.0	30.5	29.0	30.0	28.5	25.5	27.0	29.0	27.5	28.0			
11	29.5	26.5	27.5	31.0	29.5	30.0	28.5	26.0	27.5	29.0	28.0	28.5			
12	29.0	26.5	27.0	31.5	29.5	30.0	29.0	26.5	27.5	30.5	28.5	29.0			
13	28.0	26.5	27.0	31.0	29.5	30.0	28.5	27.5	28.0	29.5	28.5	29.0			
14	29.5	27.0	27.5	31.0	29.5	30.0	28.5	25.0	27.0	30.0	29.0	29.5			
15	28.5	27.0	27.5	30.5	29.5	30.0	28.5	25.0	26.5	29.5	28.5	29.0			
16	28.0	27.5	28.0	30.5	30.0	30.0	30.0	27.5	28.5	29.0	27.5	28.0			
17	30.0	27.0	28.0	30.5	29.5	30.0	30.0	28.0	29.0	27.5	26.5	27.0			
18	29.5	28.0	28.5	31.0	29.5	30.0	31.0	29.0	29.5	27.0	26.0	26.5			
19	30.0	28.0	28.5	32.0	29.5	30.0	30.5	29.0	29.5	26.5	26.0	26.5			
20	30.5	28.0	29.0	30.5	29.5	30.0	31.0	29.5	30.0	27.0	26.0	26.5			
21	31.5	29.0	30.0	31.0	29.5	30.0	30.5	29.5	30.0	26.5	25.5	26.0			
22	31.0	28.5	30.0	31.5	30.0	30.5	30.5	29.5	30.0	26.5	26.0	26.0			
23	30.0	29.0	29.5	31.0	29.5	30.5	30.5	29.5	30.0	27.5	26.0	26.5			
24	31.0	28.5	29.0	31.5	30.0	30.5	31.5	29.5	30.0	27.5	26.0	27.0			
25	31.0	29.0	29.5	31.0	30.0	30.5	30.5	29.5	30.0	28.0	26.5	27.0			
26	29.5	29.0	29.5	31.5	30.0	30.5	31.0	29.5	30.0	27.5	26.0	27.0			
27	30.0	29.0	29.5	31.0	30.5	30.5	30.5	29.5	29.5	27.5	25.5	26.5			
28	30.5	29.0	29.5	31.0	30.0	30.5	30.0	29.5	29.5	26.5	25.5	26.0			
29	30.0	29.0	29.5	31.0	29.0	29.5	30.5	29.0	29.5	25.5	24.5	25.0			
30	30.0	29.0	29.5	30.0	29.0	29.5	30.0	28.5	29.5	24.5	23.0	24.0			
31	---	---	---	30.0	29.0	29.5	30.5	29.0	29.5	---	---	---			
MONTH	31.5	24.0	27.5	32.0	27.0	30.0	31.5	25.0	28.5	31.0	23.0	27.5			
YEAR	32.0	.0	19.0												

02449245 BRUSH CREEK NEAR EUTAW, AL

LOCATION.--Lat 32°49'51", long 87°58'56", in N½ sec. 3, T. 21 N., R. 1 E., Greene County, Hydrologic Unit 03160106, near right bank on downstream side of county highway bridge, 1.3 mi downstream from Pippin Creek, 2.2 mi upstream from Dry Creek, 5.5 mi west of Eutaw, and 7.2 mi upstream from mouth.

DRAINAGE AREA.--43.2 mi² (revised).

PERIOD OF RECORD.--Annual maximums, water years 1971-75. June 1975 to current year.

GAGE.--Water-stage recorder. Datum of gage is 105.92 ft National Geodetic Vertical Datum of 1929. Oct. 5, 1970 to May 31, 1975, crest-stage gage at same site and datum.

REMARKS.--Records good. Records of specific conductance and water temperature for the water year 1984 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--9 years, 75.6 ft³/s, 23.77 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 8,560 ft³/s Apr. 13, 1979, gage height, 22.68 ft, from rating curve extended above 4,600 ft³/s; minimum, 0.02 ft³/s Nov. 13, 1983.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,680 ft³/s Dec. 28, gage height, 16.35 ft, no peak above base of 1,700 ft³/s; minimum, 0.02 ft³/s Nov. 13.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.56	.14	11	53	35	54	53	54	12	1.2	1.1	.64
2	.53	.09	8.4	49	33	48	48	69	10	1.1	1.5	.50
3	.52	.84	24	45	37	44	774	762	8.0	1.0	3.4	.47
4	.54	5.7	57	40	38	42	418	235	6.2	.98	2.6	7.7
5	.57	2.3	95	37	31	540	154	100	5.5	1.0	5.2	.86
6	.57	.71	392	33	27	219	97	70	5.0	.91	8.3	.55
7	.56	1.0	78	30	25	109	76	52	4.4	4.2	7.8	.41
8	.45	.67	39	27	25	77	273	90	4.0	5.2	4.5	.36
9	.33	.37	26	26	25	60	644	55	3.6	1.6	4.2	.32
10	.23	.12	21	169	300	53	183	39	3.3	1.2	5.6	.29
11	.24	.09	100	107	196	49	118	32	3.0	1.0	22	.27
12	.52	.05	53	56	207	45	89	27	3.3	.90	17	.23
13	3.1	.15	29	44	271	44	76	24	8.2	.99	6.0	.22
14	4.8	.13	32	38	112	40	65	22	5.1	8.8	3.3	.20
15	2.5	.31	26	44	76	36	55	20	3.6	4.1	2.6	.18
16	2.0	2.9	20	46	75	35	50	19	5.1	2.2	2.2	.16
17	1.9	1.3	17	39	63	44	47	18	3.4	1.7	2.0	.12
18	1.3	5.8	16	253	51	44	42	17	2.7	1.6	1.8	.14
19	1.0	.82	16	154	47	35	53	16	2.3	1.2	1.7	.16
20	.58	54	15	72	45	264	122	15	2.0	1.1	1.8	.16
21	.38	13	16	53	39	114	59	15	1.8	1.0	1.4	.15
22	.63	4.6	122	44	36	63	129	18	1.7	.91	1.3	.17
23	1.6	184	48	80	35	48	71	18	1.7	.82	3.4	.17
24	3.3	72	29	437	32	106	46	17	1.8	.79	3.5	.17
25	3.3	16	25	207	29	120	37	16	1.6	.77	1.8	.16
26	2.5	8.7	26	104	29	61	34	15	1.5	.71	1.2	.16
27	1.9	94	63	77	394	130	51	14	1.4	.67	1.2	.14
28	1.4	118	1130	60	119	416	154	18	1.3	.74	1.1	.13
29	.97	26	225	51	72	170	176	83	1.4	1.1	1.1	.13
30	.54	15	89	44	---	86	71	27	1.2	.99	.81	.11
31	.31	---	63	37	---	64	---	15	---	1.1	.76	---
TOTAL	39.63	628.79	2911.4	2556	2504	3260	4265	1992	116.1	51.58	122.17	15.43
MEAN	1.28	21.0	93.9	82.5	86.3	105	142	64.3	3.87	1.66	3.94	.51
MAX	4.8	184	1130	437	394	540	774	762	12	8.8	22	7.7
MIN	.23	.05	8.4	26	25	35	34	14	1.2	.67	.76	.11
CFSM	.03	.49	2.17	1.91	2.00	2.43	3.29	1.49	.09	.04	.09	.01
IN.	.03	.54	2.51	2.20	2.16	2.81	3.67	1.72	.10	.04	.11	.01
CAL YR 1983	TOTAL	48213.23	MEAN	132	MAX	2440	MIN	.05	CFSM	3.06	IN.	41.52
WTR YR 1984	TOTAL	18462.10	MEAN	50.4	MAX	1130	MIN	.05	CFSM	1.17	IN.	15.90

MOBILE RIVER BASIN

02450000 MULBERRY FORK NEAR GARDEN CITY, AL

LOCATION.--Lat 33°59'42", long 86°44'56", in NE¼ sec. 16, T. 12 S., R. 2 W., Blount County, Hydrologic Unit 03160109, on left bank near downstream side of bridge on U.S. Highway 31 (old), 1,000 ft downstream from Louisville & Nashville Railroad bridge, 1 mi southwest of Garden City, 5.5 mi downstream from Mud Creek, and at mile 79.2.

DRAINAGE AREA.--365 mi².

PERIOD OF RECORD.--June 1928 to current year. Monthly discharge only for period April to June 1932 published in WSP 1304. Prior to 1941, published as "Mulberry Fork of Black Warrior River."

REVISED RECORD.--AL-79-2: Drainage area. AL-82-1: 1974-80 (P).

GAGE.--Water-stage recorder. Datum of gage is 380.54 ft (115.989 m) above National Geodetic Vertical Datum of 1929. Prior to Dec. 5, 1939 nonrecording gage at same site and datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--56 years, 683 ft³/s, 25.41 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 52,100 ft³/s Jan. 3, 1982, gage height, 22.45 ft; maximum gage height, 24.0 ft Feb. 4, 1936 from floodmarks; minimum observed, 3 ft³/s Sept. 28-30, Oct. 1, 3-6, 1931, gage height, 1.88 ft.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 13,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec. 3	1200	16,500	13.46	May 3	1100	*28,100	*17.00
Dec. 28	1100	21,000	14.96				

Minimum discharge, 13 ft³/s part or all of each day, Oct. 4, Nov. 1, 2, 8-15.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1	16	14	380	1240	565	946	1280	1740	326	80	284	55	
2	17	13	307	1000	517	846	1020	3310	271	54	410	47	
3	16	15	10300	870	501	743	3380	18700	232	50	304	40	
4	14	16	7510	764	490	647	2880	5520	206	44	586	34	
5	15	15	3190	684	432	2110	2110	3140	185	40	265	31	
6	16	15	3770	607	380	2480	1620	2300	161	45	193	29	
7	17	16	2310	529	334	1810	1200	1770	142	43	150	27	
8	15	14	1680	458	308	1370	984	6590	129	38	121	24	
9	16	13	1220	415	298	1040	1790	3300	116	46	103	23	
10	15	13	957	2370	606	891	1330	2250	105	39	96	22	
11	17	13	1460	3170	903	803	1030	1670	98	36	109	21	
12	17	13	1670	2070	709	705	881	1210	90	34	109	20	
13	85	14	1160	1570	1350	644	765	951	86	34	89	20	
14	69	13	1260	1190	1270	564	655	788	80	35	80	20	
15	30	72	1090	1010	1030	491	563	630	73	33	69	19	
16	25	110	855	934	909	443	496	497	67	29	63	17	
17	21	57	731	822	809	459	482	410	59	28	57	17	
18	18	35	646	1290	698	550	420	353	54	27	53	15	
19	16	26	580	1310	628	449	589	311	50	29	53	14	
20	16	426	510	982	568	566	1630	278	46	26	62	17	
21	16	237	463	852	503	763	1160	271	45	26	58	17	
22	16	86	1180	735	458	571	1260	366	44	26	46	17	
23	19	78	1170	729	474	476	1270	288	159	24	42	18	
24	20	152	902	2080	420	432	942	264	187	22	39	18	
25	22	110	682	1840	368	649	770	224	98	30	35	16	
26	17	74	578	1420	329	577	642	249	68	40	39	15	
27	16	1010	637	1160	2050	504	1090	1070	56	28	35	15	
28	16	4530	11900	966	1710	4630	4960	784	48	26	35	16	
29	17	1090	3990	858	1170	3580	3880	1350	48	39	262	16	
30	16	560	2330	750	---	2280	2380	616	100	145	90	17	
31	15	---	1650	631	---	1690	---	421	---	409	66	---	
TOTAL	661	8850	67068	35306	20787	34709	43459	61621	3429	1605	4003	677	
MEAN	21.3	295	2163	1139	717	1120	1449	1988	114	51.8	129	22.6	
MAX	85	4530	11900	3170	2050	4630	4960	18700	326	409	586	55	
MIN	14	13	307	415	298	432	420	224	44	22	35	14	
CFSM	.06	.81	5.93	3.12	1.96	3.07	3.97	5.45	.31	.14	.35	.06	
IN.	.07	.90	6.84	3.60	2.12	3.54	4.43	6.28	.35	.16	.41	.07	
CAL YR 1983	TOTAL	306666		MEAN	840	MAX	11900	MIN	13	CFSM	2.30	IN.	31.25
WTR YR 1984	TOTAL	282175		MEAN	771	MAX	18700	MIN	13	CFSM	2.11	IN.	28.76

MOBILE RIVER BASIN

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02450180 MULBERRY FORK NEAR ARKADELPHIA, AL

LOCATION.--Lat 33°52'00", long 86°44'56", in NE¼NE¼NE¼ sec. 35, T. 13 S., R. 4 W, Blount County, Hydrologic Unit 03160109, on left bank 200 ft upstream from county road, 4 mi south of Arkadelphia, and at mile 58.6.

DRAINAGE AREA.--487 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1976 to current year.

GAGE.--Water-stage recorder. Datum of gage is 270.23 National Geodetic Vertical Datum of 1929.

REMARKS.--Water-discharge records good except those for period of no gage-height record, Dec. 24 to Jan. 9, and Jan. 22 to Feb. 22, which are poor.

AVERAGE DISCHARGE.--8 years, 916 ft³/s, 25.54 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 31,300 ft³/s Apr. 14, 1979, gage height, 39.11 ft; minimum, 13 ft³/s Aug. 15, 1977.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 11,000 ft³/s (revised) and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec. 4	0800	11,900	26.10	May 4	0440	*15,400	*30.06
Dec. 29	unknown	14,300	28.90				

Minimum discharge, 15 ft³/s Sept. 21, 22.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1	18	22	676	3000	750	1180	1260	1660	415	132	385	74	
2	18	22	521	2200	700	1140	1180	2070	339	88	349	60	
3	18	20	6530	1700	640	1020	3120	11500	289	66	436	51	
4	18	19	11100	1400	600	911	3360	13200	256	60	563	44	
5	18	22	5140	1200	550	2000	1290	5400	229	54	388	39	
6	17	23	4730	1000	500	1800	1320	2890	199	50	253	35	
7	16	23	3070	850	450	1600	1190	2190	172	67	194	33	
8	18	23	2080	750	430	1500	1170	5690	157	86	151	31	
9	19	23	1600	650	420	1300	1840	4620	142	56	125	29	
10	19	23	1300	1820	850	1200	1440	2710	129	57	109	28	
11	24	23	1500	4180	1000	1070	1200	1990	117	52	110	26	
12	25	22	2030	2530	1200	967	1160	1530	107	145	124	25	
13	41	22	1560	1890	1400	895	1060	1220	99	132	107	24	
14	116	23	1470	1530	1500	802	966	1020	92	55	89	24	
15	70	32	1460	1320	1400	713	846	849	86	50	78	24	
16	38	103	1160	1220	1200	667	760	697	79	49	68	23	
17	30	103	992	1100	1100	655	718	575	73	45	68	22	
18	26	58	895	1330	1000	739	674	478	65	59	59	20	
19	23	39	803	1730	900	678	719	412	59	42	57	19	
20	21	258	729	1350	800	736	1570	369	56	39	65	17	
21	19	613	674	1170	750	1080	1650	355	51	38	64	15	
22	19	196	1070	2100	700	890	1420	425	50	33	60	17	
23	24	122	1510	2200	701	745	1300	404	56	31	49	18	
24	24	306	2200	2300	668	688	1100	336	225	30	43	19	
25	24	229	1800	1900	640	796	995	308	166	29	42	19	
26	27	131	1200	1600	600	848	925	263	99	28	37	20	
27	26	504	1000	1400	1620	743	2400	1000	74	45	38	22	
28	23	5410	900	1200	1500	2860	3710	720	62	36	39	23	
29	22	1920	12000	1100	1400	1820	6290	1460	55	32	146	22	
30	22	966	6000	950	---	1560	3030	867	86	62	199	23	
31	22	---	4000	850	---	1340	---	565	---	267	101	---	
TOTAL	845	11300	81700	49520	25969	34943	49663	67773	4084	2015	4596	846	
MEAN	27.3	377	2635	1597	895	1127	1655	2186	136	65.0	148	28.2	
MAX	116	5410	12000	4180	1620	2860	6290	13200	415	267	563	74	
MIN	16	19	521	650	420	655	674	263	50	28	37	15	
CFSM	.06	.77	5.41	3.28	1.84	2.31	3.40	4.49	.28	.13	.30	.06	
IN.	.06	.86	6.24	3.78	1.98	2.67	3.79	5.18	.31	.15	.35	.06	
CAL YR 1983	TOTAL	386841		MEAN	1060	MAX	12000	MIN	16	CFSM	2.18	IN.	29.55
WTR YR 1984	TOTAL	333254		MEAN	911	MAX	13200	MIN	15	CFSM	1.87	IN.	25.46

MOBILE RIVER BASIN

02450180 MULBERRY FORK NEAR ARKADELPHIA, AL--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 1983 to September 1984.

COOPERATION.--Water quality samples were collected by the U.S. Geological Survey and analyzed by the Geological Survey of Alabama.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	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)
NOV 17...	1445	102	248	6.8	11.0	9.8	81	20	27	3.3	15
FEB 27...	1400	2530	83	6.0	11.0	13.0	29	14	8.0	2.1	2.4
MAY 14...	1100	943	79	6.1	20.0	8.3	27	12	8.0	1.7	2.3
SEP 27...	1000	28	195	6.3	22.0	6.8	63	17	20	3.2	16

DATE	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LINITY FIELD (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)	SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)
NOV 17...	27	0.8	5.1	61	19	14	12	0.10	<.1	110	0.15
FEB 27...	15	.2	1.4	15	29	9.0	2.4	<.1	1.8	36	.05
MAY 14...	15	.2	1.5	15	23	9.2	3.3	<.1	2.0	37	.05
SEP 27...	34	.9	3.9	46	45	17	18	.10	.2	110	.14

DATE	SOLIDS, DIS- SOLVED (TONS PER DAY)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	PHOS- PHORUS, ORTHO, DIS- SOLVED (MG/L AS P)
NOV 17...	31	3.12	0.080	3.20	--	--	--	--
FEB 27...	--	--	--	.700	--	0.070	--	--
MAY 14...	95	1.03	.010	1.04	--	--	--	--
SEP 27...	--	1.08	.010	--	1.09	--	0.030	0.020

DATE	ARSENIC DIS- SOLVED (UG/L AS AS)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	COBALT, DIS- SOLVED (UG/L AS CO)	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)	STRON- TIUM, DIS- SOLVED (UG/L AS SR)	ZINC, DIS- SOLVED (UG/L AS ZN)
NOV 17...	1	1	<1	<1	50	2	70	0.1	80	<10
FEB 27...	<1	1	1	<1	50	<1	90	<.1	50	10
MAY 14...	<1	1	--	<1	100	1	50	<1.0	70	20
SEP 27...	1	<1	<1	1	100	<1	80	<.1	70	<10

MOBILE RIVER BASIN

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02450250 SIPSEY FORK NEAR GRAYSON, AL

LOCATION.--Lat 34°17'07", long 87°23'56", in N½ sec. 8, T. 9 S., R. 8 W., Winston County, Hydrologic Unit 03160110, Bankhead National Forest, on left bank, 0.1 mi downstream from bridge on Cranal Road, 0.5 mi downstream from Borden Creek, 4.5 mi west of Grayson, 14 mi northeast of Haleyville, and 69.3 miles above mouth.

DRAINAGE AREA.--92.1 mi².

WATER-DISCHARGE RECORDS

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

REVISED RECORDS.--WDR AL-79-2: Drainage Area.

GAGE.--Water-stage recorder. Altitude of gage is 540 ft, from topographic map.

REMARKS.--Water-discharge records good, except those for periods of no gage-height record Oct. 1-3, May 15 to June 28, which are poor.

AVERAGE DISCHARGE.--18 years, 176 ft³/s, 25.95 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 20,300 ft³/s Mar. 16, 1973, gage height, 44.27 ft; minimum, 1.8 ft³/s Aug. 19-21, 1972.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 4,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec. 3	1515	9,620	29.01	May 3	0830	*12,300	*33.37
Dec. 28	0915	5,200	20.46	May 8	0500	7,360	24.92

Minimum daily discharge, 3.2 ft³/s Sept. 30.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.5	6.3	62	258	118	232	282	319	82	12	9.0	6.8
2	3.6	6.5	72	207	108	202	230	1610	70	12	9.8	6.4
3	4.0	6.8	6360	173	117	170	1220	7940	58	11	9.6	6.3
4	4.8	8.9	2210	152	117	149	2330	1230	50	11	9.2	6.2
5	5.5	10	651	140	104	415	852	663	45	11	9.0	5.9
6	5.5	8.2	587	127	89	490	517	452	39	11	10	5.6
7	5.7	7.5	400	109	76	366	361	538	35	12	9.2	5.5
8	4.8	6.8	268	91	72	286	281	4340	32	13	8.4	5.4
9	4.3	6.4	187	82	73	220	233	1250	29	11	7.9	5.3
10	4.1	6.2	143	813	134	188	184	782	26	11	7.6	5.1
11	5.0	5.8	1530	833	186	166	153	577	24	10	7.5	5.0
12	5.7	5.6	1000	464	188	147	131	445	22	9.8	7.4	4.9
13	14	5.4	523	324	417	141	116	350	19	11	7.1	4.7
14	9.9	5.2	407	240	332	118	102	287	18	11	6.8	4.6
15	7.1	49	292	196	260	105	88	250	16	11	6.6	4.5
16	6.1	21	210	172	219	98	81	200	15	10	6.7	4.5
17	5.4	14	173	147	181	166	76	155	14	10	8.4	4.5
18	5.3	12	149	362	154	239	66	130	13	12	7.6	4.4
19	5.1	12	131	390	140	210	80	108	12	11	10	4.3
20	5.3	67	117	284	119	727	101	96	11	9.6	13	4.2
21	5.9	38	107	217	106	687	96	82	10	9.2	8.5	4.2
22	6.6	23	480	178	100	409	884	98	9.6	9.0	7.7	4.0
23	10	250	494	179	101	289	561	86	9.2	8.6	7.5	3.9
24	9.9	261	320	436	90	236	328	74	25	8.9	7.2	3.8
25	7.1	63	206	403	79	226	222	66	20	9.9	6.7	3.5
26	7.1	38	171	319	72	187	166	60	16	8.9	6.6	3.5
27	11	515	169	264	518	172	171	57	14	9.2	6.7	3.4
28	8.6	809	2850	215	410	1530	1640	260	13	12	6.9	3.4
29	7.0	182	896	184	287	993	1030	200	12	10	8.1	3.3
30	6.2	94	487	155	---	540	518	330	12	9.2	8.9	3.2
31	5.8	---	336	129	---	372	---	140	---	9.2	7.9	---
TOTAL	199.9	2543.6	21988	8243	4967	10476	13100	23175	770.8	324.5	253.5	140.3
MEAN	6.45	84.8	709	266	171	338	437	748	25.7	10.5	8.18	4.68
MAX	14	809	6360	833	518	1530	2330	7940	82	13	13	6.8
MIN	3.5	5.2	62	82	72	98	66	57	9.2	8.6	6.6	3.2
CFSM	.07	.92	7.70	2.89	1.86	3.67	4.74	8.12	.28	.11	.09	.05
IN.	.08	1.03	8.88	3.33	2.01	4.23	5.29	9.36	.31	.13	.10	.06
CAL YR 1983	TOTAL	93531.7	MEAN	256	MAX	8180	MIN	3.5	CFSM	2.78	IN.	37.78
WTR YR 1984	TOTAL	86181.6	MEAN	235	MAX	7940	MIN	3.2	CFSM	2.55	IN.	34.81

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

[illegible]

MOBILE RIVER BASIN

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02450250 SIPSEY FORK NEAR GRAYSON, AL--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAM- FLOW INSTAN- TANEOUS (CFS)	SEDI- MENT SUS- PENDED (MG/L)	SEDI- MENT DIS- CHARGE SUS- PENDED (T/DAY)	SED- MENT SUS- PENDED SIEVE DIAM. % FINER THAN .062 MM
OCT 19...	1200	5	--	--	98
FEB 10...	1030	105	1	0.28	93
APR 12...	1300	130	8	2.81	90
AUG 10...	1145	7.60	3	.06	97

MOBILE RIVER BASIN

02453500 MULBERRY FORK AT CORDOVA, AL

LOCATION.--Lat 33°45'27", long 87°10'13", in NW¼ sec. 9, T. 15 S., R. 6 W., Walker County, Hydrologic Unit 03160109, on right bank at downstream side of abutment of bridge on St. Louis and San Francisco Railroad, just downstream from Cane Creek, 0.1 mi east of Cordova, and at mile 30.8.

DRAINAGE AREA.--1,916 mi².

PERIOD OF RECORD.--January 1890 to June 1897 fragmentary gage-height records collected by National Weather Service. June 1900 to December 1913 monthly discharge published in WSP 1304. January 1914 to December 1923 and August 1937 to September 1971 in files of Corps of Engineers. October 1971 to current year (gage heights only).

REVISED RECORDS.--AL-82-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 243.60 ft National Geodetic Vertical Datum of 1929. August 1937 to September 1961, nonrecording gage at present site and datum. Prior to August 1937, nonrecording gage at 8.2 ft lower datum.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 39.80 ft March 30, 1951; minimum, -9.35 ft several days in October 1909 (present datum); maximum stage known, 46.5 ft (present datum) April 1892 (information by National Weather Service).

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 16.79 ft May 4; minimum, 9.92 ft Sept. 30.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11.12	11.11	11.59	12.65	11.71	11.53	11.81	12.86	11.02	11.37	11.28	11.29
2	11.12	11.11	11.59	12.06	11.60	11.50	11.55	12.52	11.10	11.49	11.02	11.18
3	11.23	11.12	11.59	12.18	11.42	11.25	12.37	14.81	11.27	11.50	11.01	11.06
4	11.45	11.11	13.64	12.08	11.57	11.40	13.57	16.69	11.39	11.43	11.06	11.09
5	11.55	11.10	13.79	12.04	11.49	11.42	13.29	15.09	11.38	11.57	11.16	11.36
6	11.48	11.07	13.29	12.22	11.24	12.26	13.00	13.01	11.24	11.53	11.23	11.35
7	11.38	11.04	12.51	11.84	11.36	11.89	12.55	12.65	11.24	11.48	11.40	11.37
8	11.32	11.04	12.06	11.35	11.35	11.63	12.32	13.44	11.41	11.40	11.42	11.30
9	11.26	11.04	11.86	11.08	11.54	11.40	12.43	13.96	11.35	11.56	11.30	11.28
10	11.24	11.03	11.73	11.66	11.33	11.18	12.31	13.09	11.23	11.47	11.37	11.35
11	11.24	10.95	11.76	12.61	11.76	11.16	11.83	12.69	11.19	11.34	11.38	11.37
12	11.40	10.91	12.84	12.00	11.91	11.04	11.57	12.61	11.04	11.29	11.36	11.28
13	11.41	10.86	12.78	11.86	12.03	11.08	11.26	12.40	10.98	11.28	11.40	11.16
14	11.36	10.88	12.68	11.62	11.79	11.17	11.34	12.41	10.92	11.29	11.44	11.30
15	11.40	11.02	12.59	11.38	11.51	11.00	11.42	12.20	11.14	11.23	11.43	11.32
16	11.43	11.15	12.46	11.17	11.63	10.97	11.55	11.86	11.28	11.24	11.42	11.19
17	11.45	11.21	12.26	11.73	11.75	10.93	11.24	11.45	11.41	11.32	11.39	11.13
18	11.40	11.26	12.16	12.02	11.78	11.13	11.00	11.32	11.36	11.32	11.25	10.98
19	11.43	11.28	11.97	11.89	11.70	11.15	10.96	11.33	11.25	11.36	11.18	11.00
20	11.47	11.29	11.87	11.57	11.58	10.75	11.54	11.53	11.15	11.34	11.12	10.93
21	11.33	11.48	12.14	11.51	11.53	11.12	11.62	11.80	11.32	11.26	11.04	10.83
22	10.99	11.25	11.99	11.86	11.40	11.32	11.51	11.48	11.43	11.33	11.04	10.73
23	11.05	10.92	11.74	11.95	11.48	11.18	11.52	11.50	11.49	11.29	10.99	10.62
24	11.10	10.86	11.84	11.85	11.55	11.08	11.43	11.40	11.35	11.22	10.95	10.50
25	11.11	10.96	11.99	11.81	11.30	11.02	11.40	11.29	11.16	11.21	10.85	10.44
26	11.13	11.14	11.99	11.79	11.28	11.43	11.36	11.27	11.24	11.17	10.81	10.35
27	11.15	11.24	12.06	11.62	11.48	11.46	13.05	11.49	11.27	11.17	10.85	10.31
28	11.18	12.50	15.94	11.60	11.90	11.68	12.64	11.39	11.27	11.16	10.89	10.19
29	11.18	11.82	16.40	11.52	11.64	13.01	14.89	11.49	11.30	11.26	11.05	10.09
30	11.16	11.58	14.27	11.77	---	11.96	13.51	11.55	11.31	11.30	11.28	9.99
31	11.14	---	13.06	11.79	---	11.81	---	11.28	---	11.42	11.29	---
MEAN	11.28	11.18	12.59	11.81	11.57	11.38	12.06	12.38	11.25	11.34	11.18	10.94
MAX	11.55	12.50	16.40	12.65	12.03	13.01	14.89	16.69	11.49	11.57	11.44	11.37
MIN	10.99	10.86	11.59	11.08	11.24	10.75	10.96	11.27	10.92	11.16	10.81	9.99
CAL YR 1983	MEAN	11.82	MAX	16.40	MIN	10.86						
WTR YR 1984	MEAN	11.58	MAX	16.69	MIN	9.99						

MOBILE RIVER BASIN

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02455000 LOCUST FORK NEAR CLEVELAND, AL

LOCATION.--Lat 34°01'28", long 86°34'27", in NE¼ sec. 6, T. 12 S., R. 1 E., Blount County, Hydrologic Unit 03160111, on left bank 200 ft upstream from bridge on U.S. Highway 231, 2.5 mi downstream from Graves Creek, 3 mi north of Cleveland, and at mile 98.6.

DRAINAGE AREA.--303 mi².

PERIOD OF RECORD.--December 1936 to current year.

REVISED RECORDS.--WSP 1112: 1943(M). WSP 1304: 1939(M), 1941(M). WDR AL-79-2: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 536.94 ft above National Geodetic Vertical Datum of 1929 (Corps of Engineers bench mark). Prior to Apr. 19, 1940, nonrecording gage at present site and datum. Apr. 20, 1940 to Apr. 11, 1945, nonrecording gage and April 12, 1945 to Sept. 30, 1972 water-stage recorder at site 200 ft downstream at same datum.

REMARKS.--Records good except those for period of no gage height record, Feb. 5-21, Mar. 11 to May 25, and June 24 to July 16, which are poor. Records of specific conductance and water temperature for the water year 1984 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--47 years (water years 1938-84), 534 ft³/s, 23.93 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge observed, 47,000 ft³/s Dec. 28, 1942, gage height, 19.2 ft; minimum since Oct. 1, 1943, 2.3 ft³/s Sept. 14, 15, 16, 1954; minimum prior to Oct. 1, 1943, not determined.

EXTREMES FOR CURRENT YEAR.--Peak discharges above 8,500 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec. 3	2230	11,000	11.27	Dec. 28	1545	*12,300	*11.88

Minimum discharge, 7.3 ft³/s Oct. 11.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1	10	13	561	934	453	677	900	1000	306	39	318	53	
2	9.9	13	430	775	426	574	960	1500	254	38	256	37	
3	9.5	14	7530	676	410	484	1400	2500	217	34	171	31	
4	9.8	14	7990	595	408	414	2000	4500	184	32	268	37	
5	10	14	3150	544	405	694	2300	3000	151	32	382	34	
6	11	14	4400	501	400	1190	1300	1600	123	30	230	25	
7	10	14	2700	451	370	863	900	1000	110	35	160	22	
8	9.3	14	1660	404	340	683	750	1100	99	40	118	21	
9	8.5	15	1150	371	280	564	950	1400	86	48	102	19	
10	8.0	15	891	1380	280	480	1100	1300	76	36	83	17	
11	12	14	857	2800	350	450	800	950	68	34	76	17	
12	14	14	1030	1620	480	400	650	750	60	32	70	16	
13	44	13	823	1140	670	350	550	550	54	70	68	15	
14	45	13	773	894	870	320	470	470	49	40	61	14	
15	28	38	805	760	700	300	410	350	102	35	48	14	
16	26	37	654	705	600	260	340	300	78	30	43	12	
17	20	34	562	631	490	250	310	260	56	37	52	11	
18	16	32	505	866	450	240	310	230	45	30	44	11	
19	15	26	462	1070	420	230	340	220	38	51	37	11	
20	13	106	425	802	400	220	900	190	33	61	33	11	
21	12	107	398	666	400	300	1100	180	28	38	32	11	
22	12	86	701	572	392	370	950	170	28	29	29	11	
23	15	72	788	554	441	300	900	180	167	25	56	10	
24	17	195	594	1270	400	350	700	190	112	23	43	10	
25	17	255	469	1340	367	400	550	180	90	22	29	9.9	
26	18	147	398	1030	351	420	500	225	60	20	26	9.8	
27	19	693	440	861	1270	370	1100	616	50	19	40	9.8	
28	16	5080	8980	731	1370	3000	2600	487	45	18	28	9.8	
29	15	1950	5340	639	937	2000	1800	1220	42	22	46	9.8	
30	14	958	2060	565	---	1400	1300	611	40	51	51	10	
31	13	---	1250	497	---	1100	---	397	---	264	70	---	
TOTAL	497.0	10010	58776	26644	15130	19653	29140	27626	2851	1315	3070	529.1	
MEAN	16.0	334	1896	859	522	634	971	891	95.0	42.4	99.0	17.6	
MAX	45	5080	8980	2800	1370	3000	2600	4500	306	264	382	53	
MIN	8.0	13	398	371	280	220	310	170	28	18	26	9.8	
CFSM	.05	1.10	6.26	2.83	1.72	2.09	3.20	2.94	.31	.14	.33	.06	
IN.	.06	1.23	7.22	3.27	1.86	2.41	3.58	3.39	.35	.16	.38	.06	
CAL YR 1983	TOTAL	269743.0		MEAN	739	MAX	11000	MIN	8.0	CFSM	2.44	IN.	33.12
WTR YR 1984	TOTAL	195241.1		MEAN	533	MAX	8980	MIN	8.0	CFSM	1.76	IN.	23.97

MOBILE RIVER BASIN

02456330 CROOKED CREEK NEAR MORRIS, AL

LOCATION.--Lat 33°44'10", long 86°52'00", in NE¼ sec. 17, T. 15 S., R. 3 W., Jefferson County, Hydrologic Unit 03150111, on right bank 100 ft downstream from bridge on county road, 2 mi southwest of Sardis, 3.2 mi west-southwest of Morris, and 3.6 miles above mouth.

DRAINAGE AREA.--16.2 mi².

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

GAGE.--Water-stage recorder. Altitude of gage is 320 ft, from topographic map.

REMARKS.--Records good, except those for period of no gage-height record Dec. 3 to Jan. 17, Jan. 24 to Feb. 21, which are poor. Records of specific conductance and water temperature for the water year 1984 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--8 years (water years 1977-84), 31.2 ft³/s, 26.15 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 10,600 ft³/s May 19, 1983, gage height, 23.49 ft; minimum, 0.05 ft³/s Sept. 23, 1984.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 480 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Nov. 27	2200	1,080	7.38	Apr. 4	0500	522	5.17
Dec. 3	0700	*2,590	*11.50	Apr. 27	0430	1,780	9.50
Dec. 28	unknown	835	6.50	Apr. 28	1230	1,000	7.12

Minimum discharge, 0.05 ft³/s Sept. 23.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.09	.44	22	60	26	31	29	47	1.6	.43	8.2	.17
2	.09	.45	51	50	24	28	25	42	1.5	.42	14	.15
3	.10	.41	1110	40	22	23	165	229	1.9	.39	6.9	.15
4	.11	.48	400	32	20	20	247	133	1.9	.33	3.2	.15
5	.15	.44	110	28	17	169	97	63	1.9	.32	4.0	.12
6	.16	.51	130	24	16	117	57	38	1.7	.41	2.4	.10
7	.19	.54	90	21	14	61	40	26	1.4	.42	1.8	.10
8	.21	.54	60	18	13	42	36	46	1.1	4.0	1.3	.12
9	.23	.56	45	15	13	31	125	28	.97	.91	1.1	.12
10	.33	.75	40	150	40	26	74	22	.90	.63	.94	.12
11	.80	.80	80	100	30	22	50	17	.81	.36	.79	.12
12	2.9	.77	60	70	22	19	38	13	.72	.30	.67	.08
13	31	.96	40	50	70	18	31	10	.66	.25	.56	.10
14	2.3	1.1	55	40	50	15	27	8.2	.60	.26	.43	.10
15	1.0	6.6	45	32	40	14	23	6.0	.54	.27	.39	.08
16	.67	2.2	35	25	32	13	21	4.5	.51	.25	.32	.10
17	.60	1.5	30	20	28	13	19	3.5	.46	.72	.32	.10
18	.46	1.2	25	52	25	12	16	2.9	.40	.43	.32	.10
19	.42	1.1	22	59	22	11	39	2.5	.45	.28	.32	.08
20	.37	37	20	45	20	19	256	1.7	.42	.24	.32	.09
21	.39	8.0	18	39	17	18	84	2.0	.40	.24	.32	.06
22	.52	4.3	50	31	16	17	71	2.0	.35	.24	.54	.06
23	2.4	97	40	26	15	15	54	1.7	.49	.24	2.0	.06
24	1.1	54	32	172	14	18	39	1.8	.46	.24	.48	.13
25	.80	23	28	100	12	21	29	1.3	.43	.24	.28	.19
26	.70	15	25	80	11	19	65	4.7	.39	.18	.24	.26
27	.63	290	22	60	126	26	660	10	.37	.17	.24	.29
28	.55	216	500	50	67	162	350	4.0	.34	.17	.32	.24
29	.52	51	250	42	41	118	153	4.1	.91	.17	.54	.26
30	.49	31	100	35	---	57	75	2.4	.70	11	.32	.27
31	.45	---	80	30	---	38	---	1.6	---	7.4	.24	---
TOTAL	60.93	847.65	3615	1596	863	1213	2995	778.9	25.28	43.49	53.80	4.07
MEAN	1.97	28.3	117	51.5	29.8	39.1	99.8	25.1	.84	1.40	1.74	.14
MAX	31	290	1110	172	126	169	660	229	1.9	12	14	.29
MIN	.09	.41	18	15	11	11	16	1.3	.34	.17	.24	.06
CFSM	.12	1.75	7.22	3.18	1.84	2.41	6.16	1.55	.05	.09	.11	.01
IN.	.14	1.95	8.30	3.66	1.98	2.79	6.88	1.79	.06	.10	.12	.01

CAL YR 1983	TOTAL	18631.06	MEAN	51.0	MAX	3320	MIN	.08	CFSM	3.15	IN.	42.78
WTR YR 1984	TOTAL	12096.12	MEAN	33.0	MAX	1110	MIN	.06	CFSM	2.04	IN.	27.78

MOBILE RIVER BASIN

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02456500 LOCUST FORK AT SAYRE, AL

LOCATION.--Lat 33°42'35", long 86°59'00", in NW¼ sec. 29, T. 15 S., R. 4 W., Jefferson County, Hydrologic Unit 03160111, on left bank 150 ft upstream from bridge on county road at Sayre, 1.5 mi downstream from Camp Creek, and at mile 33.9.

DRAINAGE AREA.--885 mi².

PERIOD OF RECORD.--July 1928 to March 1932 (published as "near Warrior"). October 1941 to current year. Monthly discharge only for July 1928 and low-water periods October 1941 to September 1945, published in WSP 1304.

REVISED RECORDS.--WSP 1142: 1943(M). WSP 1304: 1929(M). WSP 1434: 1943. WRD AL-79-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 258.64 ft above National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to March 1932, nonrecording gage at site 9 mi upstream, at different datum. May 11, 1942, to June 30, 1949, nonrecording gage at present site and datum.

REMARKS.--Water-discharge records good. Diversion above station subsequent to 1938 from Inland Reservoir, usable capacity 60,000 acre-ft on Blackburn Fork for industrial water supply for city of Birmingham. Records of specific conductance and water temperature for the water year 1984 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--46 years (water years 1929-31, 1942-84), 1,483 ft³/s, 22.76 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 55,300 ft³/s Jan. 7, 1949, gage height, 47.9 ft; maximum gage height, 48.60 ft Feb. 23, 1961; minimum discharge, 17 ft³/s Sept. 28, Oct. 2, 1931.

EXTREMES FOR CURRENT YEAR.-- Peak discharges above base of 17,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec. 4	1300	*24,200	*29.96	May 4	1100	18,000	25.06
Dec. 29	1400	21,200	27.67				

Minimum discharge, 49 ft³/s Sept. 29, 30.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1	57	67	2210	3400	1440	2440	4000	3600	800	153	798	165	
2	56	64	1600	2660	1310	2000	3000	3500	700	141	849	150	
3	54	63	14200	2290	1240	1740	4500	7130	600	134	739	146	
4	54	65	23600	1980	1200	1540	7000	17000	500	130	578	128	
5	55	64	16800	1820	1130	2370	8390	9750	450	125	543	110	
6	56	63	14000	1800	1010	4730	5630	5180	400	120	877	98	
7	55	64	11300	1460	911	3880	3820	3700	360	120	668	97	
8	53	65	6540	1300	817	2930	2850	4040	321	158	458	97	
9	52	65	4280	1180	763	2340	3550	5140	293	147	349	88	
10	56	65	3150	1810	824	1940	4400	4500	268	132	289	80	
11	171	63	2790	6300	1210	1700	3530	3000	251	125	265	79	
12	249	63	3190	5310	1460	1530	2800	2300	236	121	265	88	
13	439	63	2990	3760	2120	1400	2310	1840	219	162	248	84	
14	419	64	2730	2880	3180	1270	1960	1540	209	562	218	77	
15	242	80	2650	2380	2630	1140	1680	1310	198	279	197	72	
16	177	121	2340	2140	2160	1040	1460	1130	197	189	180	66	
17	128	109	1950	1930	1860	983	1310	956	240	177	164	64	
18	105	134	1670	2060	1600	980	1220	832	209	141	159	61	
19	95	121	1480	3100	1430	958	1270	737	183	154	147	58	
20	83	356	1330	2860	1310	935	3680	661	164	164	147	55	
21	76	587	1210	2320	1190	1090	4390	607	154	141	149	54	
22	72	459	1450	1960	1090	1370	3450	634	150	144	139	54	
23	80	589	1990	1760	1070	1150	3550	629	168	127	142	54	
24	89	2320	1880	3160	1020	1000	2730	572	392	112	132	53	
25	86	1320	1500	5010	938	1700	2110	527	368	108	131	53	
26	78	790	1240	4070	846	1600	1840	509	257	102	145	53	
27	79	1120	1210	3210	1950	1400	1800	1000	199	100	130	52	
28	77	12300	11700	2630	4130	1300	10000	2000	169	96	117	51	
29	72	9550	20500	2220	3240	10000	6000	1800	155	119	135	50	
30	71	3770	11900	1910	---	6000	4500	1400	157	231	175	49	
31	71	---	4930	1640	---	4500	---	1100	---	326	182	---	
TOTAL	3507	34624	180310	82310	45079	68956	108730	88624	8967	5040	9715	2386	
MEAN	113	1154	5816	2655	1554	2224	3624	2859	299	163	313	79.5	
MAX	439	12300	23600	6300	4130	10000	10000	17000	800	562	877	165	
MIN	52	63	1210	1180	763	935	1220	509	150	96	117	49	
CFSM	.13	1.30	6.57	3.00	1.76	2.51	4.09	3.23	.34	.18	.35	.09	
IN.	.15	1.46	7.58	3.46	1.89	2.90	4.57	3.73	.38	.21	.41	.10	
CAL YR 1983	TOTAL	816283		MEAN	2236	MAX	32900	MIN	52	CFSM	2.53	IN.	34.31
WTR YR 1984	TOTAL	638248		MEAN	1744	MAX	23600	MIN	49	CFSM	1.97	IN.	26.83

02462000 VALLEY CREEK NEAR OAK GROVE, AL

LOCATION.--Lat 33°26'50", long 87°07'20", in NW¼ sec. 25, T. 18 S., R. 6 W., Jefferson County, Hydrologic Unit 03160112, near center of span on downstream side of highway bridge, 1,000 ft downstream from Raccoon Branch, 1.5 mi east of Oak Grove, 10.5 mi west of Bessemer, and 18.2 mi upstream from mouth.

DRAINAGE AREA.--148 mi².

PERIOD OF RECORD.--May to July 1936, August 1953 to September 1958. Annual maximums, water years 1959-64, 1966-78. October 1964 to September 1965, June 1978 to current year.

REVISED RECORDS.--WDR AL-83-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 294.87 ft National Geodetic Vertical Datum of 1929 (levels by Jefferson County Highway Department). May 16 to July 12, 1936, chain gage at site 500 ft downstream at same datum. August 1953 to September 1958, water-stage recorder, October 1958 to September 1964 and October 1965 to June 1978, crest-stage gage, at present site and datum.

REMARKS.--Records good. Records of specific conductance and water temperature for the 1984 water year are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--12 years (water years 1954-58, 1965, 1979-84) 358 ft³/s, 32.85 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 32,000 ft³/s Dec. 4, 1983, gage height, 33.98 ft; minimum, 30 ft³/s Sept. 19, 20, 1983.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in July 1916 reached a stage of 29.6 ft present site and datum (discharge not determined) from high-water marks.

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

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Nov. 28	0745	7,090	17.48	Dec. 28	1215	8,020	19.35
Dec. 4	unknown	*32,000	*33.98	Apr. 28	1945	5,470	13.96

Minimum discharge, 36 ft³/s Oct. 2, 3, 4.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	42	51	304	494	306	371	327	406	137	95	121	93
2	41	56	356	440	283	317	298	425	133	81	217	89
3	39	56	10500	399	282	298	2260	2240	124	81	206	84
4	47	56	19000	367	278	278	1370	1330	118	81	159	85
5	62	54	10500	336	259	1310	669	615	122	77	541	75
6	68	53	7000	304	245	858	499	475	135	81	163	73
7	80	52	4800	285	238	531	413	396	141	99	135	84
8	84	63	2250	265	228	435	384	851	139	232	121	83
9	54	56	500	249	204	367	1720	455	123	86	118	79
10	80	52	434	1210	217	326	689	364	130	81	180	79
11	512	53	793	849	287	309	518	321	126	81	145	86
12	304	49	1030	517	269	281	420	286	124	75	133	85
13	745	58	574	441	531	276	374	260	125	145	114	75
14	155	65	732	389	372	234	340	234	120	84	177	73
15	100	275	486	365	337	228	302	216	114	82	117	72
16	114	111	397	345	322	222	280	202	101	78	111	70
17	105	82	335	314	302	229	268	192	94	88	103	70
18	93	88	322	552	270	216	248	190	91	99	102	81
19	86	90	289	604	268	207	267	192	80	106	101	84
20	83	836	270	431	267	345	516	180	76	80	99	75
21	86	214	253	339	249	277	283	183	93	77	96	76
22	87	160	667	332	241	335	602	220	122	76	93	77
23	197	873	401	323	273	357	376	179	295	74	87	79
24	107	1360	332	1870	225	262	309	173	124	73	81	75
25	80	298	297	954	209	411	259	169	97	102	76	86
26	90	216	283	609	214	289	247	270	90	86	76	85
27	76	882	287	507	1270	281	436	262	89	88	76	71
28	66	3990	4860	441	561	956	2030	179	91	146	113	70
29	64	589	1420	392	435	647	1160	244	86	106	92	69
30	64	371	731	364	---	434	492	170	90	91	238	73
31	61	---	570	327	---	367	---	143	---	208	108	---
TOTAL	3872	11209	70973	15614	9442	12254	18356	12022	3530	3039	4299	2356
MEAN	125	374	2289	504	326	395	612	388	118	98.0	139	78.5
MAX	745	3990	19000	1870	1270	1310	2260	2240	295	232	541	93
MIN	39	49	253	249	204	207	247	143	76	73	76	69
CFSM	.84	2.53	15.5	3.41	2.20	2.67	4.14	2.62	.80	.66	.94	.53
IN.	.97	2.82	17.85	3.92	2.37	3.08	4.61	3.02	.89	.76	1.08	.59
CAL YR 1983	TOTAL	219258	MEAN	601	MAX	19000	MIN	34	CFSM	4.06	IN.	55.11
WTR YR 1984	TOTAL	166966	MEAN	456	MAX	19000	MIN	39	CFSM	3.08	IN.	41.97

MOBILE RIVER BASIN

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02462500 BLACK WARRIOR RIVER AT BANKHEAD LOCK AND DAM NEAR BESSEMER, AL

LOCATION.--Lat 33°27'30", long 87°21'15", in SE¼ sec. 22, T. 18 S., R. 8 W., Jefferson County, Hydrologic Unit 03160112, at abandoned lock wall 300 ft above dam, 1.9 mi downstream from Big Yellow Creek, 23 mi northwest of Bessemer, and at mile 153.6.

DRAINAGE AREA.--3,979 mi² (revised).

PERIOD OF RECORD.--October 1976 to current year.

GAGE.--Water-stage recorder. Datum of gage is 173.5 ft National Geodetic Vertical Datum of 1929.

COOPERATION.--Records furnished by Alabama Power Company.

AVERAGE DISCHARGE.--8 years, 7,537 ft³/s, 25.66 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 143,000 ft³/s Apr. 13, 1979; maximum gage height, 82.10 ft Jan. 11, 1984; no flow at times most years; some undetermined amounts of leakage may have occurred during periods reported as no flow.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 122,000 ft³/s Dec. 3; maximum gage height, 82.10 ft Jan. 11; minimum, 60 ft³/s Nov. 9.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1	230	120	5080	16200	9770	9400	11400	20000	5620	180	4010	2480	
2	350	300	6790	12300	9840	9420	10200	16400	2350	1840	3150	1000	
3	180	350	122000	9970	9780	7520	21400	36400	1700	3270	2950	2560	
4	240	120	86200	10300	8280	5090	30300	53400	2910	120	3180	300	
5	240	300	44800	8440	9960	11800	27100	38800	3090	2670	2100	1090	
6	300	410	45300	9620	3650	24500	21200	18900	2660	2590	1440	2920	
7	240	180	27500	9650	2690	13900	16800	16500	950	2790	2670	2110	
8	530	350	14700	9570	1700	9950	14100	22100	2090	240	3080	1930	
9	350	60	11400	6340	2310	9270	20500	26500	2390	2650	2540	540	
10	120	300	9100	9590	8660	7300	15900	17000	540	3030	2950	470	
11	3250	410	10700	24000	9960	6810	12300	14500	2600	2570	2240	240	
12	180	480	22100	15500	9900	7010	9830	12200	1850	2740	540	1800	
13	4410	410	17200	12100	13300	2830	9670	10700	3080	2590	2450	2000	
14	950	240	15800	10600	12400	6750	6140	11100	1580	2390	2310	2610	
15	470	240	14100	9720	9770	3570	3270	9290	1700	830	2760	650	
16	470	300	12900	9480	9370	3360	5720	9540	480	2580	2410	470	
17	570	580	11100	7800	9140	3750	5280	9780	300	2500	2620	1630	
18	300	300	11500	10200	10100	1880	3400	7130	3310	2660	2620	1930	
19	180	350	11100	13200	9840	6140	5080	6130	4330	2420	710	300	
20	180	4700	10100	9960	7610	6090	10800	5040	360	2800	2550	350	
21	2880	2170	8190	9370	7740	6570	12200	5840	1710	350	2390	650	
22	240	4750	11100	9840	6990	6900	10300	9140	1240	650	2080	410	
23	240	5790	9780	9890	6440	6670	9720	5690	2070	2160	1950	650	
24	180	9220	10100	13300	7230	6170	8890	5190	4320	2320	2290	350	
25	180	1270	9900	15800	5860	2450	8970	4530	2050	2590	530	410	
26	240	3560	9820	11900	2870	6870	9200	2550	2320	2430	410	300	
27	120	6270	10000	9960	9890	7980	36700	4100	2090	2360	2120	230	
28	300	29500	56100	9790	14300	12700	36700	8810	2320	540	2050	410	
29	240	19300	51300	9960	11100	27800	47100	7900	2250	540	590	530	
30	350	9530	39000	9800	---	15100	29600	8060	1590	2190	2700	240	
31	350	---	19200	10100	---	11000	---	6680	---	2590	2500	---	
TOTAL	19060	101860	743960	344250	240450	266550	469770	429900	65850	62180	68890	31560	
MEAN	615	3395	24000	11100	8291	8598	15660	13870	2195	2006	2222	1052	
MAX	4410	29500	122000	24000	14300	27800	47100	53400	5620	3270	4010	2920	
MIN	120	60	5080	6340	1700	1880	3270	2550	300	120	410	230	
CFSM	.15	.85	6.03	2.79	2.08	2.16	3.94	3.49	.55	.50	.56	.26	
IN.	.18	.95	6.96	3.22	2.25	2.49	4.39	4.02	.62	.58	.64	.30	
CAL YR 1983	TOTAL	3705700		MEAN	10150	MAX	122000	MIN	.00	CFSM	2.55	IN.	34.64
WTR YR 1984	TOTAL	2844280		MEAN	7771	MAX	122000	MIN	60	CFSM	1.95	IN.	26.59

MOBILE RIVER BASIN

02462600 BLUE CREEK NEAR OAKMAN, AL

LOCATION.--Lat 33°31'17", long 87°29'07", in S½ sec. 33, T. 17 S., R. 9 W., Tuscaloosa County, Hydrologic Unit 03160112, on right downstream wingwall of culvert on State Highway 69, 1.5 mi southwest of Wiley, 2 mi upstream from McDuff Spring Branch, 12.6 mi upstream from mouth, and 14 mi southwest of Oakman.

DRAINAGE AREA.--5.32 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--May 1959 to September 1965, October 1976 to September 1984 (discontinued).

GAGE.--Water-stage recorder. Altitude of gage is 420 ft, from topographic map.

REMARKS.--Water-discharge records good except those below 1.0 ft³/s, which are fair.

AVERAGE DISCHARGE.--14 years (water years 1960-65, 1977-84), 10.3 ft³/s, 26.29 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,820 ft³/s Feb. 21, 1961, gage height, 7.16 ft; minimum, no flow at times most years.

EXTREMES FOR CURRENT YEAR.--Peak discharge above base of 400 ft³/s and maximum (*):

Date	Time	Discharge (ft³/s)	Gage height (ft)	Date	Time	Discharge (ft³/s)	Gage height (ft)
Dec. 3	0315	*3,240	*7.04	Apr. 28	1245	1,150	4.97
Dec. 28	0415	566	3.94				

Minimum discharge, 0.04 ft³/s Sept. 22, 23, 24, 25.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1	.09	.35	7.4	14	6.5	15	13	21	.65	.38	.56	.13	
2	.09	.35	199	12	5.9	12	11	16	.56	.29	1.2	.12	
3	.08	.35	899	9.7	6.6	9.2	85	86	.47	.25	.88	.12	
4	.09	.37	99	8.6	6.1	8.1	38	44	.45	.24	.64	.10	
5	.10	.40	50	7.8	5.7	75	22	23	.40	.22	.52	.10	
6	.09	.36	109	6.9	5.7	53	15	14	.40	.19	.45	.10	
7	.09	.38	35	6.0	4.7	29	11	10	.40	.21	.39	.09	
8	.09	.37	23	5.0	4.2	21	11	17	.38	.29	.35	.09	
9	.09	.35	17	4.7	4.0	14	21	9.9	.35	.26	.38	.08	
10	.27	.33	13	17	17	12	15	7.2	.35	.26	.40	.09	
11	2.1	.31	35	18	25	9.5	12	5.7	.35	.22	.32	.10	
12	.22	.31	35	15	30	8.4	10	4.5	.38	18	.30	.09	
13	4.2	.31	25	12	39	7.4	8.2	3.5	.38	4.9	.27	.09	
14	.28	.36	22	10	25	6.1	6.9	2.9	.33	1.2	.27	.08	
15	.23	2.1	15	9.6	18	5.1	6.0	2.0	.34	.68	.27	.07	
16	.26	.86	12	8.7	16	4.5	5.5	2.1	.31	11	.26	.05	
17	.27	.55	10	7.5	12	4.5	4.8	1.9	.29	5.1	.31	.05	
18	.27	.54	9.1	12	10	4.0	3.7	1.7	.26	2.1	.28	.06	
19	.27	.55	8.0	12	8.9	3.6	6.7	1.5	.24	1.1	.26	.05	
20	.30	16	7.2	11	7.3	16	24	1.4	.23	.74	.29	.05	
21	.34	2.9	7.5	9.9	6.2	16	16	2.0	.22	.71	.27	.05	
22	.56	1.8	13	8.8	7.1	11	15	2.5	.23	.73	.26	.05	
23	.67	35	10	8.9	6.0	9.3	11	1.5	.25	.52	.22	.04	
24	.47	14	9.0	32	5.2	9.7	8.6	1.0	.26	.47	.17	.04	
25	.47	6.6	8.3	25	4.6	10	6.7	.90	.23	.47	.15	.04	
26	.43	4.5	8.1	19	4.7	8.5	14	.76	.29	.43	.14	.05	
27	.37	62	19	14	47	8.3	92	.88	.22	.40	.14	.05	
28	.35	51	208	12	29	74	202	2.2	.21	.40	.16	.05	
29	.42	18	41	9.8	20	53	72	1.5	.26	.39	.17	.05	
30	.39	11	23	8.1	---	27	33	.86	.97	.42	.15	.05	
31	.35	---	17	6.8	---	18	---	.72	---	.42	.14	---	
TOTAL	14.30	232.30	1993.6	361.8	387.4	562.2	800.1	290.12	10.66	52.99	10.57	2.18	
MEAN	.46	7.74	64.3	11.7	13.4	18.1	26.7	9.36	.36	1.71	.34	.07	
MAX	4.2	62	899	32	47	75	202	86	.97	18	1.2	.13	
MIN	.08	.31	7.2	4.7	4.0	3.6	3.7	.72	.21	.19	.14	.04	
CFSM	.09	1.45	12.1	2.20	2.52	3.40	5.02	1.76	.07	.32	.06	.01	
IN.	.10	1.62	13.94	2.53	2.71	3.93	5.59	2.03	.07	.37	.07	.02	
CAL YR 1983	TOTAL	6957.50		MEAN	19.1	MAX	899	MIN	.07	CFSM	3.59	IN.	48.65
WTR YR 1984	TOTAL	4718.22		MEAN	12.9	MAX	899	MIN	.04	CFSM	2.42	IN.	32.99

WATER-QUALITY RECORDS

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: October 1978 to September 1983.

WATER TEMPERATURES: October 1978 to September 1983.

SUSPENDED SEDIMENT: November 1978 to September 1983.

REMARKS.--Miscellaneous samples of chemical data published for water years 1966-68.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum (water years 1979-80), 2710 microsiemens July 25, 1979; minimum, 31 microsiemens Jan. 1, 1979.

WATER TEMPERATURES: Maximum, 32.0°C July 12-15, 1980; minimum, 0°C Jan. 11-14, 17-19, 1981.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	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)
OCT 19...	0930	0.29	1040	6.8	17.0	7.2	580	540	0.1
NOV 17...	1210	.46	710	7.0	9.5	10.4	--	--	--
DEC 15...	1345	15	200	6.8	9.5	11.1	84	75	<.1
JAN 16...	1215	8.2	225	5.9	6.0	12.2	--	--	--
FEB 16...	0910	16	128	5.7	10.0	11.2	52	45	.1
MAR 15...	1230	4.8	285	5.9	14.0	10.1	--	--	--
APR 26...	1315	6.3	225	6.0	16.0	9.8	--	--	--
MAY 16...	1250	2.3	540	6.4	18.0	9.2	--	--	--
JUN 19...	1110	.23	1550	7.2	26.0	7.7	--	--	--
JUL 17...	1150	5.0	285	6.8	23.0	8.2	--	--	--
AUG 15...	1120	.25	1240	7.6	24.0	7.3	--	--	--
SEP 17...	1345	.05	1800	7.9	21.0	8.7	--	--	--

[illegible]

MOBILE RIVER BASIN

02462600 BLUE CREEK NEAR OAKMAN, AL--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	SULFATE DIS- SOLVED (MG/L AS SO4)	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)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)	SOLIDS, DIS- SOLVED (TONS PER DAY)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)
OCT 19...	530	1.4	6.5	779	--	1.1	0.61	<.100
NOV 17...	--	--	--	--	--	--	--	--
DEC 15...	74	1.4	7.3	125	120	.17	5.1	<.100
JAN 16...	--	--	--	--	--	--	--	--
FEB 16...	48	1.4	6.8	92	79	.13	4.0	<.100

DATE	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)
OCT 19...		90	60	27	150	30
DEC 15...		350	320	33	310	0
FEB 16...		360	330	30	210	10

02462951 BLACK WARRIOR RIVER AT HOLT LOCK AND DAM NEAR HOLT, AL

LOCATION.--Lat 33°15'11", long 87°26'57" (corrected), in NW¼ sec. 2, T. 21 S., R. 9 W., Tuscaloosa County, Hydrologic Unit 03160112, on left bank 50 ft upstream from lock and dam, 0.1 mi downstream from Jim Mack Branch, 0.7 mi upstream from Hurricane Creek, 2.0 mi northeast of Holt, 3.2 mi upstream from North River, and at mile 135.1.

DRAINAGE AREA.--4,219 mi² (revised).

PERIOD OF RECORD.--October 1976 to current year.

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

COOPERATION.--Records furnished by Alabama Power Company.

AVERAGE DISCHARGE.--8 years, 7,952 ft³/s, 25.53 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 178,000 ft³/s Apr. 13, 1979; maximum gage height, 190.19 ft Dec. 3, 1983; no flow at times most years; some undetermined amounts of leakage may have occurred during periods reported as no flow.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 158,000 ft³/s Dec. 3; maximum gage height, 190.19 ft Dec. 3; no flow Dec. 11, July 8.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1	200	200	5330	18200	9490	9740	11800	21600	5330	650	4050	2720	
2	200	500	5480	13900	9530	9940	9950	17900	2170	2120	3230	400	
3	200	200	158000	9420	9630	7950	24900	41000	1750	3550	3430	2620	
4	300	250	104000	11200	8160	4670	32400	57400	3010	50	3750	350	
5	450	200	68500	8240	9670	12800	28200	40200	3360	3200	2540	2050	
6	450	400	64700	10100	3570	25300	21600	21200	2730	2740	2040	2810	
7	830	300	31000	9580	2500	14100	17400	16900	1430	3170	2810	2430	
8	350	300	23200	9830	2320	11900	15500	22800	2400	0	3380	1570	
9	300	200	26000	6750	2150	10200	21300	27100	2330	3230	3110	250	
10	300	350	18000	9440	11000	7840	16200	17800	450	3030	3220	400	
11	4410	400	0	25100	9580	6620	13600	16100	2880	2410	2000	500	
12	200	400	100	17700	9540	6520	9420	12500	2480	2590	400	1770	
13	4720	150	16600	11500	14500	4170	9260	10300	3300	2930	2350	2290	
14	1770	850	17300	11400	12000	6570	6030	11100	2630	2710	2300	2500	
15	200	1390	15800	9530	9510	4230	3740	10300	1530	860	3700	600	
16	400	350	14000	9730	9810	3210	5910	9600	250	3390	2440	450	
17	890	660	11800	7250	9660	3980	5120	9170	500	2070	2640	1390	
18	350	400	11400	10300	9770	2160	3810	7600	3780	3300	2150	2100	
19	150	500	11600	13800	9550	5920	5660	6800	4380	2390	600	300	
20	200	6360	10500	10200	8010	6570	10700	5220	650	2770	3060	500	
21	2800	1670	7550	9760	7610	6330	12200	5830	1530	400	3100	700	
22	750	4700	11500	9850	7370	7040	9630	9550	2070	550	2150	450	
23	300	5490	9980	9650	6800	6840	10500	5700	2350	2690	2790	450	
24	250	11400	4640	15600	7110	6420	9550	4780	5050	2480	2170	600	
25	650	860	9740	15500	6370	2610	9650	4610	2280	2450	600	500	
26	200	4270	9550	12700	3040	6730	8580	2450	2250	2620	300	400	
27	150	7190	10600	10800	11800	8120	38900	3940	2200	2790	2360	450	
28	250	37400	59600	9850	14700	12800	41300	8300	2470	650	2100	550	
29	300	21200	53300	9630	11200	29700	50800	8880	2420	1230	400	450	
30	400	10400	44800	9740	---	15900	31300	7360	1710	2240	2920	200	
31	700	---	22500	10100	---	11300	---	7260	---	3230	2580	---	
TOTAL	23620	118940	857070	356350	245950	278180	494910	451250	71670	68490	74670	32750	
MEAN	762	3965	27650	11500	8481	8974	16500	14560	2389	2209	2409	1092	
MAX	4720	37400	158000	25100	14700	29700	50800	57400	5330	3550	4050	2810	
MIN	150	150	.00	6750	2150	2160	3740	2450	250	.00	300	200	
CFSM	.18	.94	6.55	2.73	2.01	2.13	3.91	3.45	.57	.52	.57	.26	
IN.	.21	1.05	7.56	3.14	2.17	2.45	4.36	3.98	.63	.60	.66	.29	
CAL YR 1983	TOTAL	4043640		MEAN	11080	MAX	158000	MIN	.00	CFSM	2.63	IN.	35.65
WTR YR 1984	TOTAL	3073850		MEAN	8398	MAX	158000	MIN	.00	CFSM	1.99	IN.	27.10

MOBILE RIVER BASIN

02462952 BLACK WARRIOR RIVER BELOW HOLT LOCK AND DAM NEAR HOLT, AL

LOCATION.--Lat 33°15'10", long 87°27'05", in NW¼ sec. 2, T. 21 S., R. 9 W., Tuscaloosa County, Hydrologic Unit 03160112, at downstream end of lock, 0.2 mi downstream from Jim Mack Branch, 0.6 mi upstream from Hurricane Creek, 2.0 mi northeast of Holt, 3.1 mi upstream from North River, and at mile 135.0.

DRAINAGE AREA.--4,219 mi² (revised).

PERIOD OF RECORD.--July 1966 to current year (gage heights only). October 1971 to current year in reports of Geological Survey. July 1966 to September 1971 in files of Corps of Engineers.

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

EXTREMES (0700) FOR PERIOD OF RECORD.--Maximum gage height, 156.87 ft Dec. 3, 1983; minimum, 121.0 ft July 13, 1974.

EXTREMES (0700) FOR CURRENT YEAR.--Maximum gage height, 156.87 ft Dec. 3; minimum, 122.68 ft Oct. 1.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
INSTANTANEOUS OBSERVATIONS AT 0700

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	122.68	123.39	125.16	129.08	125.90	126.22	126.94	129.22	124.21	123.31	123.63	123.20
2	123.01	123.06	124.36	127.28	126.03	126.18	126.21	127.26	123.25	123.25	123.39	123.40
3	123.18	123.12	156.87	126.12	126.01	126.13	127.65	130.03	123.39	123.23	123.31	123.29
4	123.12	122.89	149.16	127.18	125.33	124.29	130.28	135.75	123.28	123.30	123.55	123.20
5	123.05	123.16	139.70	126.68	126.07	126.17	130.26	133.17	123.73	123.12	123.75	123.05
6	123.13	123.12	137.33	126.98	126.01	130.36	129.94	131.19	123.47	123.30	123.50	123.43
7	123.41	122.85	131.56	126.14	123.40	127.56	129.02	128.82	123.26	123.21	123.22	123.20
8	123.57	123.10	129.18	126.06	123.60	127.36	126.64	128.82	123.08	123.39	123.70	123.26
9	123.16	123.33	128.28	125.84	123.54	126.66	127.15	129.03	123.29	123.06	123.36	123.35
10	122.87	123.20	129.80	126.02	126.66	126.00	127.05	126.62	123.58	123.25	123.31	122.86
11	126.53	122.96	123.68	132.14	126.20	124.27	127.70	127.31	123.72	123.00	123.58	123.17
12	123.38	123.07	124.24	127.76	126.26	124.57	126.11	126.08	123.58	123.23	123.16	123.12
13	123.37	123.29	127.72	126.46	128.10	124.59	126.15	126.43	123.73	123.25	123.13	123.18
14	123.62	123.14	127.90	126.88	127.10	125.19	123.86	126.62	123.25	123.43	123.43	123.11
15	123.40	123.38	127.40	126.12	126.28	124.36	123.89	126.10	123.10	123.54	123.28	124.32
16	123.35	122.87	126.98	126.08	126.42	124.41	125.10	126.17	123.26	123.37	122.92	123.27
17	123.32	123.71	127.14	125.18	126.27	123.64	124.75	125.74	123.49	122.95	123.37	122.99
18	123.14	123.18	126.28	126.10	126.07	123.64	124.30	125.10	123.15	123.07	123.16	123.44
19	123.14	123.14	126.54	128.02	126.04	123.44	124.35	123.53	123.25	123.35	123.23	123.32
20	123.45	125.97	126.16	126.30	125.33	124.91	124.71	123.50	123.32	123.06	123.61	122.98
21	123.12	123.61	124.64	126.10	125.28	123.63	127.12	123.59	123.51	123.17	123.15	123.22
22	123.27	123.53	126.62	126.08	124.47	124.72	126.29	125.98	123.34	123.14	123.83	122.96
23	123.25	123.50	126.28	126.06	124.61	125.11	126.65	123.31	123.27	123.34	123.19	123.23
24	123.28	126.38	126.52	126.92	124.43	123.78	126.00	123.56	123.10	123.14	123.24	123.33
25	124.15	124.18	126.10	127.10	124.42	123.81	126.09	123.49	123.06	123.08	123.23	122.86
26	123.06	123.69	126.04	127.10	123.60	124.35	125.76	123.13	123.15	123.25	122.98	123.19
27	123.13	124.21	125.90	126.58	126.43	125.68	134.52	123.26	123.44	123.45	123.46	123.27
28	122.99	132.34	137.16	126.06	128.08	126.05	129.34	125.68	123.37	123.36	123.15	123.07
29	122.98	128.30	136.70	126.34	126.57	129.40	135.14	126.01	123.81	123.30	123.32	122.90
30	123.07	126.47	132.78	126.22	---	127.17	131.21	125.22	123.50	123.55	123.60	122.90
31	123.47	---	129.04	126.31	---	127.13	---	124.43	---	123.47	122.83	---
MEAN	123.34	124.07	130.10	126.75	125.67	125.51	127.34	126.59	123.40	123.26	123.34	123.20
MAX	126.53	132.34	156.87	132.14	128.10	130.36	135.14	135.75	124.21	123.55	123.83	124.32
MIN	122.68	122.85	123.68	125.18	123.40	123.44	123.86	123.13	123.06	122.95	122.83	122.86
CAL YR 1983	MEAN	125.80	MAX	156.87	MIN	122.43						
WTR YR 1984	MEAN	125.22	MAX	156.87	MIN	122.68						

MOBILE RIVER BASIN

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02462990 YELLOW CREEK NEAR NORTHPORT, AL

LOCATION.--Lat 33°22'23", long 87°28'26", in SW¼SW¼ sec. 22, T. 19 S., R. 9 W., Tuscaloosa County, Hydrologic Unit 03160112, on downstream side of county road bridge, 8.2 mi north and 1.4 mi west of Holt lock and dam on Black Warrior River, 20 mi northeast of Northport, and at mile 12.8.

DRAINAGE AREA.--8.38 mi² (revised).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1976 to September 1984 (discontinued).

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

REMARKS.--Water-discharge records good.

AVERAGE DISCHARGE.--8 years, 15.9 ft³/s, 25.77 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,510 ft³/s Dec. 3, 1983, gage height 13.96 ft; minimum, 1.9 ft³/s July 22, 23, 24, Sept. 13, 14, 27, 28, 29, 30, Oct. 1, 2, 3, 1981.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 250 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec. 3	0700	*2,510	*13.96	Dec. 28	0515	272	6.47
Dec. 5	1830	290	6.57				

Minimum discharge, 3.6 ft³/s Sept. 25, 26.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1	7.1	7.0	14	27	19	20	17	28	11	11	14	5.2	
2	7.0	6.9	33	25	21	18	17	26	10	8.0	24	5.0	
3	6.9	6.8	1060	23	20	17	55	69	10	7.4	16	5.0	
4	7.3	9.7	151	22	20	17	27	40	9.6	7.1	14	5.2	
5	7.4	8.8	121	21	18	52	22	29	9.3	7.0	15	4.8	
6	6.8	7.5	130	20	17	31	19	24	9.2	7.4	11	4.7	
7	6.6	7.2	60	19	16	24	18	20	9.0	10	9.4	4.5	
8	6.7	7.0	44	19	16	21	24	25	8.7	12	8.8	4.5	
9	6.7	6.9	36	18	24	19	38	19	8.4	8.2	8.3	4.5	
10	35	6.8	31	44	36	19	23	17	8.2	7.2	7.9	5.4	
11	32	6.7	47	28	30	18	20	16	8.3	6.8	8.0	6.4	
12	11	6.7	39	24	34	17	19	15	8.3	32	7.7	6.4	
13	31	6.8	33	22	33	17	18	14	8.6	25	12	5.5	
14	11	8.7	36	20	23	16	18	14	8.1	12	12	4.9	
15	9.3	21	28	21	21	15	16	13	8.1	9.5	8.8	4.4	
16	8.6	8.5	25	20	22	15	16	13	7.7	8.8	7.9	4.2	
17	8.1	7.4	23	19	20	16	16	13	7.5	9.1	7.2	4.1	
18	7.5	7.1	22	32	19	15	15	13	7.3	9.5	6.9	4.1	
19	7.3	7.0	21	23	19	14	19	13	7.2	8.6	6.8	4.2	
20	7.2	30	20	21	18	32	22	13	7.1	7.3	7.1	4.2	
21	8.0	11	22	20	17	19	16	15	7.6	7.0	6.5	4.1	
22	10	8.8	34	20	20	17	24	18	8.6	6.7	6.3	4.4	
23	12	49	23	21	19	16	17	13	14	6.4	6.1	4.3	
24	8.8	27	20	35	17	20	15	12	13	6.8	5.7	4.1	
25	8.4	15	19	24	17	20	15	11	8.7	7.8	5.6	4.0	
26	7.6	11	19	22	17	17	17	11	7.7	6.4	5.6	4.0	
27	7.3	56	27	20	53	19	52	11	7.5	12	6.0	4.2	
28	7.1	56	136	19	26	31	85	16	7.2	11	6.1	4.3	
29	7.1	22	48	19	22	23	51	19	9.0	16	5.8	4.5	
30	7.1	16	34	18	---	19	32	12	11	31	5.7	4.6	
31	7.0	---	30	18	---	18	---	11	---	13	5.7	---	
TOTAL	320.9	456.3	2386	704	654	632	763	583	265.9	338.0	277.9	139.7	
MEAN	10.4	15.2	77.0	22.7	22.6	20.4	25.4	18.8	8.86	10.9	8.96	4.66	
MAX	35	56	1060	44	53	52	85	69	14	32	24	6.4	
MIN	6.6	6.7	14	18	16	14	15	11	7.1	6.4	5.6	4.0	
CFSM	1.24	1.81	9.19	2.71	2.70	2.43	3.03	2.24	1.06	1.30	1.07	.56	
IN.	1.42	2.03	10.59	3.13	2.90	2.81	3.39	2.59	1.18	1.50	1.23	.62	
CAL YR 1983	TOTAL	9267.8		MEAN	25.4	MAX	1060	MIN	5.7	CFSM	3.03	IN.	41.14
WTR YR 1984	TOTAL	7520.7		MEAN	20.5	MAX	1060	MIN	4.0	CFSM	2.45	IN.	33.39

MOBILE RIVER BASIN

02462990 YELLOW CREEK NEAR NORTHPORT, AL--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 1976 to September 1984 (discontinued).

PERIOD OF DAILY RECORD.-

SPECIFIC CONDUCTANCE: November 1976 to September 1983.

WATER TEMPERATURES: November 1976 to September 1983.

SUSPENDED SEDIMENT: October 1976 to December 1981.

EXTREMES FOR PERIOD OF DAILY RECORD.-

SPECIFIC CONDUCTANCE: Maximum (water years 1977-83), 43 microsiemens June 11, 12, 1982; minimum, 5 microsiemens Aug. 12-13, 1980.

WATER TEMPERATURES: Maximum, 26.5°C July 12-16, 1980; minimum, 0°C Jan. 11, 18, 1981, Dec. 19, 1981, Jan. 11, 12, 1982.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	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)
OCT 14...	0900	12	14	5.2	12.0	10.0	3	1	0.1
NOV 17...	1450	7.8	11	5.7	9.5	11.2	--	--	--
DEC 16...	1500	24	11	5.5	9.0	11.4	2	0	<.1
JAN 16...	1445	20	11	4.2	7.5	11.2	--	--	--
FEB 16...	1350	22	11	4.2	12.0	10.4	2	2	.1
MAR 15...	1430	15	10	4.3	15.0	10.0	--	--	--
APR 24...	1445	15	11	4.4	16.0	9.7	--	--	--
MAY 15...	1420	13	10	4.2	18.0	9.4	--	--	--
JUN 13...	1410	9.5	10	4.2	21.0	8.0	--	--	--
JUL 18...	1030	9.5	10	5.5	21.5	8.4	--	--	--
AUG 13...	1415	7.6	10	6.0	22.0	8.5	--	--	--
SEP 12...	1415	6.7	11	6.4	21.5	8.6	--	--	--

[illegible]

MOBILE RIVER BASIN

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02462990 YELLOW CREEK NEAR NORTHPORT, AL--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	SULFATE DIS- SOLVED (MG/L AS SO4)	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)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)	SOLIDS, DIS- SOLVED (TONS PER DAY)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)
OCT 14...	5.3	1.5	6.3	26	--	0.04	0.84	<.100
NOV 17...	--	--	--	--	--	--	--	--
DEC 16...	3.3	1.3	5.7	14	14	.02	.91	<.100
JAN 16...	--	--	--	--	--	--	--	--
FEB 16...	6.0	1.3	5.3	21	15	.03	1.2	<.100

DATE	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)
OCT 14...	500	360	140	70	20	50
DEC 16...	340	270	74	40	7	33
FEB 16...	270	210	61	20	0	20

MOBILE RIVER BASIN

02463900 BEAR CREEK NEAR SAMANTHA, AL

LOCATION.--Lat 33°32'33", long 87°33'43", in NW¼ sec. 26, T. 17 S., R. 10 W., Tuscaloosa County, Hydrologic Unit 03160112, on downstream side of county road bridge, 0.5 mi downstream from Dry Branch, 2.7 mi upstream from mouth, and 5.1 mi northwest of Samantha.

DRAINAGE AREA.--15.0 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1976 to September 1984 (discontinued).

GAGE.--Water-stage recorder. Altitude of gage is 270 ft, from topographic map.

REMARKS.--Water-discharge records fair except those below 1.0 ft³/s, which are poor.

AVERAGE DISCHARGE.--8 years, 32.0 ft³/s, 28.97 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 9,280 ft³/s Dec. 3, 1983; gage height 23.95 ft from rating curve extended above 2,600 ft³/s on basis of slope-conveyance study; no flow at times each year.

EXTREMES FOR CURRENT YEAR.--Peak discharge above base of 400 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Nov. 27	2115	551	9.50	Mar. 28	1415	537	9.41
Dec. 3	unknown	*9,280	*23.95	Apr. 27	0200	842	11.22
Dec. 6	0430	450	8.83	Apr. 28	1315	1,750	15.55
Dec. 28	1300	1,130	12.74				

No flow many days.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1	.00	.03	14	45	18	34	45	71	1.8	1.9	2.3	.09	
2	.00	.01	202	38	16	28	37	52	1.4	2.1	4.0	.07	
3	.00	.01	4000	33	16	23	199	178	1.2	1.6	4.1	.06	
4	.00	.02	623	31	16	20	113	125	1.4	1.3	3.0	.04	
5	.00	.03	116	30	14	202	69	67	1.3	1.0	1.9	.00	
6	.00	.02	290	29	13	147	49	41	1.2	1.0	1.5	.00	
7	.00	.03	200	27	14	82	37	27	1.1	1.5	1.0	.00	
8	.00	.02	100	25	14	57	34	38	.99	2.1	.63	.00	
9	.00	.01	50	22	14	42	50	23	.94	1.6	.58	.00	
10	.06	.02	30	66	81	34	41	18	.93	1.1	.49	.00	
11	.30	.03	25	66	104	29	35	14	.89	.88	.44	.09	
12	.10	.07	100	49	74	26	30	11	.84	1.6	.31	.03	
13	.54	.03	61	40	98	23	26	9.0	.69	5.1	.24	.01	
14	.21	.04	44	38	66	19	23	8.0	.73	3.3	.16	.00	
15	.14	1.1	23	37	46	17	20	7.7	1.1	1.1	.15	.00	
16	.13	1.2	15	34	38	16	19	4.2	.96	23	2.0	.00	
17	.11	.83	11	22	29	16	19	3.5	.83	9.5	1.5	.00	
18	.07	.96	9.3	32	25	15	19	3.0	.96	7.0	.84	.00	
19	.05	1.2	7.7	34	22	14	22	2.5	.95	5.2	.66	.00	
20	.03	48	6.5	31	19	58	68	2.3	.93	3.5	.69	.00	
21	.02	7.4	5.7	28	17	58	49	2.7	1.0	2.6	.50	.00	
22	.03	6.5	12	23	18	39	50	2.9	1.3	2.1	.29	.00	
23	.06	124	11	24	16	30	42	2.0	1.3	1.6	.22	.00	
24	.08	49	9.3	103	14	29	33	1.6	1.4	1.5	.17	.00	
25	.12	14	7.1	83	14	29	26	1.3	1.3	1.5	.15	.00	
26	.10	10	6.7	55	14	25	65	1.1	1.2	1.4	.22	.00	
27	.09	122	7.2	42	126	25	390	1.0	1.0	1.7	.21	.00	
28	.08	169	505	33	70	215	679	3.4	.97	1.3	.12	.00	
29	.06	43	207	29	45	162	237	4.0	1.1	1.3	.10	.00	
30	.04	21	84	24	---	88	115	2.8	1.3	1.3	.10	.00	
31	.03	---	56	23	---	60	---	2.1	---	1.3	.10	---	
TOTAL	2.45	619.56	6838.5	1196	1071	1662	2641	730.1	33.01	92.98	28.67	.39	
MEAN	.08	20.7	221	38.6	36.9	53.6	88.0	23.6	1.10	3.00	.92	.01	
MAX	.54	169	4000	103	126	215	679	178	1.8	23	4.1	.09	
MIN	.00	.01	5.7	22	13	14	19	1.0	.69	.88	.10	.00	
CFSM	.01	1.38	14.7	2.56	2.45	3.56	5.85	1.57	.07	.20	.06	.00	
IN.	.01	1.53	16.90	2.96	2.65	4.11	6.53	1.80	.08	.23	.07	.00	
CAL YR 1983	TOTAL	22284.41		MEAN	61.1	MAX	4000	MIN	.00	CFSM	4.06	IN.	55.08
WTR YR 1984	TOTAL	14915.66		MEAN	40.8	MAX	4000	MIN	.00	CFSM	2.71	IN.	36.87

WATER-QUALITY RECORDS

PERIOD OF DAILY RECORD.-

SPECIFIC CONDUCTANCE: November 1976 to July 1981.

WATER TEMPERATURES: November 1976 to August 1981.

SUSPENDED SEDIMENT: December 1976 to September 1981.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, (water years 1978, 1980) 91 microsiemens Nov. 21, 1979; minimum, (water years 1978, 1980) 12 microsiemens Apr. 1, 1981.

WATER TEMPERATURES: Maximum, (water years 1978, 1980) 30.5°C July 9, 1978; minimum, (water years 1978, 1980) 1.0°C Mar. 3, 1980.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	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)
OCT 12...	1130	0.08	42	6.2	18.5	6.2	13	0	0.1
NOV 15...	1025	768	54	6.6	13.0	7.9	--	--	--
DEC 12...	1340	109	24	6.0	12.0	10.0	7	3	<.1
JAN 12...	1100	49	25	6.1	5.0	12.4	--	--	--
FEB 13...	1105	10	24	4.6	11.0	10.6	7	6	.1
MAR 13...	1035	23	25	5.0	10.0	11.2	--	--	--
APR 24...	1120	35	26	5.0	14.0	10.0	--	--	--
MAY 15...	1105	8.6	28	5.1	18.0	8.6	--	--	--
JUN 13...	1040	.62	43	5.1	23.0	6.6	--	--	--
JUL 13...	1030	4.6	47	6.5	24.0	7.1	--	--	--
AUG 13...	1110	.28	45	6.8	24.5	6.5	--	--	--
SEP 12...	0935	.00	61	6.8	23.0	5.1	--	--	--

[illegible]

MOBILE RIVER BASIN

02463900 BEAR CREEK NEAR SAMANTHA, AL--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	SULFATE DIS- SOLVED (MG/L AS SO4)	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)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)	SOLIDS, DIS- SOLVED (TONS PER DAY)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)
OCT 12...	7.4	1.8	6.1	42	--	0.06	0.00	<.100
NOV 15...	--	--	--	--	--	--	--	--
DEC 12...	5.7	1.4	7.4	24	21	.03	7.1	<.100
JAN 12...	--	--	--	--	--	--	--	--
FEB 13...	6.0	1.3	7.1	33	19	.04	.89	<.100

DATE	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)
OCT 12...	1200	970	230	150	30	120
DEC 12...	580	540	40	30	10	19
FEB 13...	460	410	47	20	2	18

MOBILE RIVER BASIN

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02464000 NORTH RIVER NEAR SAMANTHA, AL

LOCATION.--Lat 33°28'45", long 87°35'50", in SW¼ sec. 16, T. 18 S., R. 10 W., Tuscaloosa County, Hydrologic Unit 03160112, on left bank about 200 ft downstream from bridge on county road, 1.2 mi upstream from Cripple Creek, 4 mi north of Samantha, and at mile 36.9.

DRAINAGE AREA.--223 mi² (revised).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--December 1938 to September 1954, October 1968 to current year.

REVISED RECORDS.--WSP 1304: 1939(M), Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 232.39 ft National Geodetic Vertical Datum of 1929. Prior to Jan. 25, 1939, nonrecording gage 40 ft downstream at same datum.

REMARKS.--Water-discharge records fair.

AVERAGE DISCHARGE.--31 years (water years 1940-54, 1969-84), 401 ft³/s, 24.42 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 25,500 ft³/s Mar. 20, 1970, gage height, 35.08 ft; minimum, 0.1 ft³/s Sept. 5-8, 13-15, 1954.

EXTREMES OUTSIDE PERIOD OF RECORD.--Floods of July 1916 and February 1936 reached a stage of about 31 ft, from information by local residents.

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

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec. 3	1300	*19,700	*30.82	Apr. 27	1200	8,180	17.06
Dec. 28	1500	7,890	16.62	Apr. 28	2300	8,810	18.03

Minimum discharge, 3.2 ft³/s Sept. 30.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1	16	25	343	720	278	675	577	981	149	91	32	10	
2	15	24	529	577	246	559	478	813	121	48	55	9.5	
3	15	23	16900	476	251	462	1930	3400	105	37	101	8.5	
4	15	24	13800	399	255	387	2030	3040	93	37	69	8.5	
5	13	26	3790	356	221	1790	1150	1430	81	39	56	8.5	
6	13	28	2490	314	189	2610	755	911	74	39	43	8.1	
7	13	26	1500	272	167	1390	555	654	70	57	37	6.6	
8	12	24	1050	231	161	944	455	1490	68	104	33	6.6	
9	13	23	835	212	154	696	549	1330	62	72	30	6.1	
10	17	21	715	1050	1010	554	452	785	56	50	30	6.1	
11	84	20	2120	2100	2110	503	376	541	51	34	30	6.8	
12	53	21	2880	1080	1250	432	326	381	71	30	32	6.7	
13	250	21	1380	733	2120	388	289	294	68	93	27	8.2	
14	155	23	1080	552	1400	329	260	255	59	137	25	7.1	
15	65	109	805	473	951	270	229	211	66	61	22	7.3	
16	45	105	605	438	753	244	211	172	44	231	21	6.0	
17	36	54	487	367	637	255	207	151	39	195	29	5.0	
18	30	38	410	510	510	327	188	134	38	86	24	4.1	
19	27	33	354	715	445	285	235	117	38	61	23	4.3	
20	26	979	308	572	391	698	1480	117	38	42	34	4.3	
21	25	423	279	470	343	1440	1200	133	36	35	33	4.1	
22	27	188	551	391	334	801	906	214	38	31	22	4.0	
23	52	1160	592	356	373	536	816	182	42	29	17	3.8	
24	62	1330	491	1060	314	433	571	148	118	27	16	3.5	
25	46	449	356	1190	274	608	393	138	98	25	14	3.5	
26	36	247	312	855	251	503	329	136	54	23	14	3.5	
27	32	752	380	664	1670	454	6360	187	41	23	15	3.5	
28	31	3010	6010	533	1530	1510	5370	492	35	24	15	3.6	
29	28	1040	4810	443	917	2830	5170	738	35	26	17	3.4	
30	26	520	1510	372	---	1350	1790	314	81	32	13	3.3	
31	25	---	938	307	---	785	---	204	---	32	12	---	
TOTAL	1303	10766	68610	18788	19505	25048	35637	20093	1969	1851	941	174.5	
MEAN	42.0	359	2213	606	673	808	1188	648	65.6	59.7	30.4	5.82	
MAX	250	3010	16900	2100	2120	2830	6360	3400	149	231	101	10	
MIN	12	20	279	212	154	244	188	117	35	23	12	3.3	
CFSM	.19	1.61	9.92	2.72	3.02	3.62	5.33	2.91	.29	.27	.14	.03	
IN.	.22	1.80	11.45	3.13	3.25	4.18	5.94	3.35	.33	.31	.16	.03	
CAL YR 1983	TOTAL	285342		MEAN	782	MAX	16900	MIN	10	CFSM	3.51	IN.	47.60
WTR YR 1984	TOTAL	204685.5		MEAN	559	MAX	16900	MIN	3.3	CFSM	2.51	IN.	34.14

02464000 NORTH RIVER NEAR SAMANTHA, AL--Continued

WATER-QUALITY RECORDS

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

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: October 1980 to September 1981, October 1982 to current year.

pH: October 1982 to current year.

WATER TEMPERATURES: October 1980 to September 1981, October 1982 to current year.

DISSOLVED OXYGEN: October 1982 to current year.

INSTRUMENTATION.--Water-quality monitor October 1980 to September 1981, and October 1982 to current year.

REMARKS.--Interruptions in the record were due to malfunctions of the instrument and vandalism. In addition to the water-quality monitor record, samples were collected approximately once a month.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 549 microsiemens Aug. 12, 1983; minimum, 23 microsiemens Dec. 3, 1983.

pH: Maximum, 7.6 units May 13, 1984; minimum, 4.7 units Dec. 1, 1982.

WATER TEMPERATURES: Maximum, 32.5°C June 22, 1984; minimum, 0°C Jan. 12-19, 1981, Dec. 25-27, 1983.

DISSOLVED OXYGEN: Maximum, 13.5 mg/L Jan. 22, 1984; minimum, 5.4 mg/L Sept. 12, 1983.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 408 microsiemens Sept. 14; minimum, 23 microsiemens Dec. 3.

pH: Maximum, 7.6 units May 13; minimum, 5.6 units Oct. 11.

WATER TEMPERATURES: Maximum, 32.5°C June 22; minimum, 0°C Dec. 25-27.

DISSOLVED OXYGEN: Maximum, 13.5 mg/L Jan. 22; minimum, 5.7 mg/L Sept. 1.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	COLI- FORM, FECAL, 0.7 UM-MP (COLS./ 100 ML)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD- NESS (MG/L AS CACO3)	HARD- NESS, NONCAR- BONATE (MG/L CACO3)
OCT										
03...	1130	15	220	6.6	17.0	8.9	--	--	45	36
NOV										
01...	0930	25	160	6.6	14.0	8.7	120	190	29	16
DEC										
01...	1000	352	72	6.2	9.0	11.0	230	310	21	14
JAN										
04...	1015	402	65	6.7	4.0	12.8	58	66	19	8
FEB										
01...	1000	265	77	6.4	4.0	12.8	28	68	20	13
MAR										
01...	0930	660	58	6.8	6.0	12.0	50	60	16	9
APR										
02...	1200	452	58	6.5	13.0	10.6	--	--	16	11
MAY										
01...	1000	1020	50	6.4	16.0	9.4	220	150	16	9
JUN										
04...	1315	91	76	6.6	22.5	8.8	--	--	21	12
JUL										
02...	1130	47	126	6.5	24.5	7.6	80	68	27	17
31...	1400	31	112	6.3	24.5	8.1	--	--	21	10
SEP										
04...	1000	8.3	170	6.5	25.0	6.1	100	88	25	13

MOBILE RIVER BASIN

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02464000 NORTH RIVER NEAR SAMANTHA, AL--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LINITY FIELD (MG/L AS CAO3)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)
OCT 03...	8.9	5.5	22	50	1	1.7	9	4.4	62	14
NOV 01...	5.3	3.8	15	51	1	1.5	13	6.3	35	11
DEC 01...	3.9	2.7	3.6	26	.4	1.0	7	8.6	18	2.9
JAN 04...	3.5	2.5	2.9	24	.3	.80	11	4.3	17	2.8
FEB 01...	3.4	2.7	4.5	32	.5	.90	7	5.4	18	4.4
MAR 01...	2.9	2.2	3.2	29	.4	.60	7	2.1	14	2.8
APR 02...	2.9	2.2	2.4	23	.3	.70	5	3.1	13	2.8
MAY 01...	2.8	2.1	2.0	20	.2	1.0	7	5.4	14	1.9
JUN 04...	3.8	2.8	4.4	30	.4	.90	9	4.4	17	3.8
JUL 02...	4.9	3.6	9.8	43	.8	1.2	10	6.1	28	8.2
31...	3.9	2.8	10	49	1	1.3	11	11	28	9.2
SEP 04...	4.4	3.3	19	61	2	1.5	12	7.3	32	19

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)	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 TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)
OCT 03...	<.10	5.2	117	130	0.16	4.7	--	<.010	<.100
NOV 01...	<.10	5.9	87	86	.12	5.9	--	<.010	<.100
DEC 01...	<.10	7.6	52	44	.07	49	--	<.010	.200
JAN 04...	<.10	7.2	42	44	.06	46	--	<.010	.100
FEB 01...	<.10	7.1	46	45	.06	33	--	<.010	.100
MAR 01...	<.10	7.3	36	37	.05	64	--	<.010	.100
APR 02...	<.10	7.5	33	35	.04	40	0.080	.020	.100
MAY 01...	<.10	7.8	49	36	.07	135	--	<.010	<.100
JUN 04...	<.10	7.1	66	45	.09	16	--	<.010	.100
JUL 02...	<.10	5.3	94	67	.13	12	--	<.010	<.100
31...	.10	5.1	68	68	.09	5.7	--	<.010	<.100
SEP 04...	<.10	4.2	93	91	.13	2.1	--	--	--

MOBILE RIVER BASIN

02464000 NORTH RIVER NEAR SAMANTHA, AL--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

		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)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P)			
DATE											
OCT 03...		<.010	--	0.40	--	0.020	0.020	<.010			
NOV 01...		.080	0.42	.50	--	.020	.010	<.010			
DEC 01...		.030	.47	.50	0.70	.030	<.010	<.010			
JAN 04...		.190	.51	.70	.80	.020	.010	<.010			
FEB 01...		.020	.78	.80	.90	.020	.010	<.010			
MAR 01...		.020	.78	.80	.90	.010	<.010	<.010			
APR 02...		<.010	--	.20	.30	<.010	<.010	<.010			
MAY 01...		<.010	--	.80	--	.030	<.010	<.010			
JUN 04...		<.010	--	.20	.30	.020	<.010	.010			
JUL 02...		<.010	--	.50	--	<.010	.020	<.010			
31...		<.010	--	1.2	--	.020	<.010	<.010			
SEP 04...		--	--	--	--	--	--	--			

		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)	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)
DATE											
OCT 03...	--	--	--	--	--	--	--	750	440	310	--
NOV 01...	--	--	--	--	--	--	--	830	280	550	--
DEC 01...	--	--	--	--	--	--	--	1200	1100	120	--
JAN 04...	--	--	--	--	--	--	--	590	520	75	--
FEB 01...	--	--	--	--	--	--	--	550	440	110	--
MAR 01...	--	--	--	--	--	--	--	450	370	82	--
APR 02...	--	--	--	--	--	--	--	890	820	68	3
MAY 01...	--	--	--	--	--	--	--	1900	1800	68	10
JUN 04...	--	--	--	--	--	--	--	780	670	110	5
JUL 02...	--	--	--	--	--	--	--	740	390	350	--
31...	2	1	1	<1	7	7		1400	980	420	1
SEP 04...	--	--	--	--	--	--	--	780	560	220	--

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WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	LEAD, SUS- PENDE RECov- ERABLE (UG/L AS PB)	LEAD, DIS- SOLVED (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)	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)
OCT 03...	--	--	300	20	280	--	--	--	--	--	--
NOV 01...	--	--	100	8	92	--	--	--	--	--	--
DEC 01...	--	--	150	20	130	--	--	--	--	--	--
JAN 04...	--	--	110	0	110	--	--	--	--	--	--
FEB 01...	--	--	120	0	120	--	--	--	--	--	--
MAR 01...	--	--	70	6	64	--	--	--	--	--	--
APR 02...	2	1	70	10	60	--	--	--	--	--	--
MAY 01...	7	3	100	40	60	--	--	--	--	--	--
JUN 04...	--	2	70	0	74	--	--	--	--	--	--
JUL 02...	--	--	70	20	55	--	--	--	--	--	--
31...	--	4	780	--	140	0.2	<.1	<1	<1	<1	<1
SEP 04...	--	--	240	30	210	--	--	--	--	--	--

DATE	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE DIS- SOLVED (MG/L AS CN)	CYANIDE TOTAL (MG/L AS CN)	PCN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	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)	ENDO- SULFAN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
JUL 31...	2.6	<.01	<.01	--	--	--	--	--	--	--	--	--
SEP 04...	--	--	--	<1.0	<1	<.1	<1.0	<.1	0.4	0.6	<.1	<.1
DATE	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	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)	METH- OXY- CHLOR, TOT. IN BOTTOM MATL. (UG/KG)	TOXA- PHENE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	2,4-D, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	2,4-DP, IN BOTTOM MAT. (UG/KG)	2,4,5-T TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	MIREX, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	SILVEX, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	PER- THANE IN BOTTOM MATERIAL (UG/KG)
JUL 31...	--	--	--	--	--	--	--	--	--	--	--	--
SEP 04...	<.1	<.1	<.1	<.1	<.1	<10	<.10	<.1	<.10	<.1	<.1	<1.00

MOBILE RIVER BASIN

02464000 NORTH RIVER NEAR SAMANTHA, AL--Continued

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	---	---	---	---	---	---	95	66	77	61	46	48
2	---	---	---	---	---	---	86	38	77	62	49	50
3	220	210	215	---	---	---	32	23	26	57	50	52
4	209	196	203	---	---	---	45	30	37	66	51	58
5	196	189	193	---	---	---	55	45	51	79	65	72
6	193	189	191	---	---	---	57	49	53	77	71	74
7	197	192	195	---	---	---	62	57	58	88	74	79
8	197	187	193	---	---	---	76	62	66	77	67	70
9	186	163	174	---	---	---	88	68	72	88	75	80
10	162	123	147	133	117	124	119	71	107	82	50	69
11	149	55	101	162	135	148	89	62	80	67	45	50
12	158	111	134	165	160	163	118	74	97	98	47	51
13	160	84	125	159	147	152	96	55	64	53	51	52
14	408	125	250	146	140	143	78	58	64	57	52	55
15	184	100	123	142	115	127	95	66	75	58	56	56
16	117	99	106	151	126	139	99	70	78	84	55	60
17	150	120	133	---	---	---	87	69	76	70	56	60
18	181	151	168	---	---	---	96	66	77	65	54	57
19	188	182	184	135	120	128	82	75	79	75	61	65
20	201	188	195	146	37	82	99	79	84	80	58	61
21	202	191	198	117	64	95	118	74	110	73	60	66
22	192	159	178	114	105	109	96	64	78	75	68	71
23	157	137	146	109	51	86	117	74	98	74	63	67
24	137	124	130	83	52	63	94	68	74	70	57	62
25	126	120	124	93	78	85	97	64	69	73	59	61
26	170	121	138	84	77	79	116	62	90	60	53	55
27	196	174	191	83	55	75	116	57	96	62	53	58
28	195	187	192	70	46	56	117	40	77	68	60	64
29	187	167	178	60	52	56	117	40	87	73	65	70
30	168	154	160	69	60	66	78	42	46	79	72	75
31	156	147	151	---	---	---	85	44	50	81	73	77
MONTH	408	55	166	165	37	104	119	23	73	98	45	63
	FEBRUARY			MARCH			APRIL			MAY		
1	86	75	81	59	56	58	---	---	---	55	44	50
2	77	71	74	62	55	59	---	---	---	47	43	45
3	80	76	78	57	55	56	---	---	---	49	37	41
4	83	76	80	62	56	59	---	---	---	43	37	40
5	84	81	82	58	45	51	---	---	---	45	39	41
6	85	80	82	56	44	47	---	---	---	54	45	49
7	84	79	82	51	47	49	---	---	---	60	51	55
8	79	74	76	56	52	53	---	---	---	65	52	55
9	93	74	82	58	53	56	---	---	---	59	51	56
10	96	49	78	59	54	55	---	---	---	60	52	56
11	69	45	53	65	59	63	---	---	---	64	55	59
12	53	51	52	66	64	65	---	---	---	66	56	60
13	57	42	48	65	59	62	---	---	---	74	60	67
14	48	44	46	61	59	60	---	---	---	79	69	72
15	54	48	51	62	60	61	---	---	---	70	64	67
16	57	49	53	64	59	61	---	---	---	67	59	63
17	52	50	51	65	62	63	---	---	---	68	60	65
18	55	50	52	65	62	63	---	---	---	64	56	60
19	57	51	53	78	66	73	---	---	---	76	56	66
20	64	58	61	---	---	---	---	---	---	77	70	74
21	70	57	64	---	---	---	---	---	---	80	75	77
22	69	61	65	---	---	---	---	---	---	83	68	78
23	77	65	71	---	---	---	---	---	---	79	65	74
24	78	65	69	---	---	---	59	50	54	76	62	70
25	77	66	71	---	---	---	56	47	51	75	68	72
26	83	73	78	---	---	---	51	40	46	76	66	71
27	97	47	65	---	---	---	44	32	39	69	61	64
28	56	50	52	---	---	---	43	39	42	91	58	71
29	56	53	54	---	---	---	53	40	49	82	53	65
30	---	---	---	---	---	---	55	50	52	72	65	68
31	---	---	---	---	---	---	---	---	---	69	62	66
MONTH	97	42	66	78	44	59	59	32	48	91	37	62

MOBILE RIVER BASIN

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02464000 NORTH RIVER NEAR SAMANTHA, AL--Continued

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	67	61	65	141	118	132	107	101	103	144	136	139
2	73	65	69	297	113	204	115	101	107	155	138	146
3	76	65	70	324	114	224	102	80	88	179	152	161
4	78	70	74	109	86	100	118	92	104	173	166	169
5	86	73	78	105	91	97	146	111	136	168	160	165
6	85	78	81	132	103	118	139	121	130	179	151	159
7	89	82	84	160	133	148	124	115	119	153	146	149
8	89	80	83	166	139	155	151	120	134	165	141	146
9	84	77	79	201	152	166	170	152	164	167	142	151
10	80	75	77	230	185	212	172	167	169	166	145	148
11	85	76	81	181	106	137	175	170	174	166	140	149
12	92	78	85	113	88	102	175	152	168	167	141	148
13	115	93	105	120	89	108	150	118	133	178	146	159
14	107	84	98	95	76	85	121	114	118	179	152	162
15	115	94	108	196	83	120	140	122	132	158	151	154
16	104	70	86	281	53	183	143	125	136	151	142	147
17	82	69	74	85	48	66	138	120	134	144	135	139
18	91	77	83	103	74	88	120	101	110	138	132	136
19	108	89	99	81	68	73	102	94	98	136	129	132
20	106	99	102	119	80	101	130	87	106	137	129	132
21	112	99	105	152	119	137	156	131	144	140	131	135
22	134	112	124	158	149	155	161	146	156	143	134	138
23	134	129	131	148	129	138	151	144	147	151	140	145
24	138	124	133	127	110	118	139	129	136	172	147	154
25	199	110	139	117	108	111	136	128	131	177	151	159
26	221	177	200	118	107	112	144	133	138	187	159	172
27	178	123	157	110	108	109	155	131	140	186	163	170
28	121	90	104	116	109	112	177	157	170	172	168	170
29	105	87	97	124	114	118	173	147	161	171	168	170
30	134	107	118	114	70	95	166	138	147	174	168	170
31	---	---	---	112	105	109	142	137	139	---	---	---
MONTH	221	61	100	324	48	127	177	80	135	187	129	152
YEAR	408	23	100									

PH (STANDARD UNITS), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

	OCTOBER		NOVEMBER		DECEMBER		JANUARY	
1	---	---	---	---	7.0	7.0	7.0	.6
2	---	---	---	---	7.0	7.0	7.0	.6
3	6.4	6.3	---	---	7.0	7.0	7.0	.8
4	6.4	6.2	---	---	7.0	7.0	7.0	.8
5	6.3	6.2	---	---	7.0	7.0	7.0	1.0
6	6.3	6.1	---	---	7.0	7.0	7.0	4.7
7	6.3	6.1	---	---	7.0	6.6	7.0	6.5
8	6.2	6.1	---	---	7.0	1.8	7.0	1.1
9	6.2	6.1	---	---	7.0	.8	7.0	1.1
10	6.2	6.0	6.3	6.2	7.0	.8	7.0	3.2
11	6.1	5.6	6.3	6.3	7.0	.6	7.0	7.0
12	6.1	6.0	6.4	6.3	7.0	.6	7.0	7.0
13	6.1	5.7	6.4	6.3	7.0	1.1	7.0	2.7
14	6.5	5.9	6.4	6.3	7.0	.7	7.0	3.5
15	6.2	6.0	6.4	6.3	7.0	.9	7.0	3.2
16	6.0	5.9	6.4	6.2	7.0	1.6	7.0	1.3
17	6.1	5.9	6.8	6.3	7.0	1.2	7.0	2.1
18	6.1	5.9	6.7	6.4	7.0	.8	7.0	1.8
19	6.1	5.9	6.7	6.4	7.0	.9	7.0	5.7
20	6.0	5.9	6.6	6.0	7.0	.8	7.0	2.7
21	5.9	5.9	7.0	6.3	7.0	.9	7.0	.4
22	5.9	5.8	7.0	6.6	7.0	.8	7.0	7.0
23	6.0	5.9	6.7	6.0	7.0	1.0	7.0	7.0
24	6.1	6.0	7.0	6.2	7.0	.7	7.0	7.0
25	6.1	6.0	7.0	6.4	7.0	.0	7.0	5.9
26	6.2	6.0	7.0	7.0	7.0	.0	7.0	7.0
27	6.4	6.2	7.0	7.0	7.0	.0	7.0	7.0
28	6.5	6.3	7.0	7.0	7.0	.4	7.0	7.0
29	6.5	6.4	7.0	7.0	7.0	1.1	7.0	5.5
30	6.6	6.5	7.0	7.0	7.0	.9	7.0	1.1
31	6.6	6.5	---	---	7.0	3.0	7.0	6.3
MONTH	6.6	5.6	7.0	6.0	7.0	.0	7.0	.4

02464000 NORTH RIVER NEAR SAMANTHA, AL--Continued

PH (STANDARD UNITS), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	7.0	6.2		6.9	6.6		---	---		6.6	6.2	
2	7.0	7.0		7.0	6.9		---	---		6.7	6.6	
3	7.0	7.0		7.0	6.9		---	---		6.8	6.2	
4	7.0	7.0		7.0	6.9		---	---		6.5	6.4	
5	7.0	7.0		6.9	6.5		---	---		6.6	6.5	
6	7.0	7.0		6.6	6.5		---	---		6.7	6.6	
7	7.0	7.0		6.7	6.6		---	---		6.7	6.7	
8	7.0	7.0		6.7	6.6		---	---		6.8	6.5	
9	7.0	7.0		6.7	6.7		---	---		6.7	6.6	
10	7.0	7.0		6.7	6.7		---	---		6.7	6.7	
11	7.0	7.0		6.8	6.7		---	---		6.8	6.6	
12	7.0	7.0		6.7	6.7		---	---		7.0	6.6	
13	7.0	7.0		6.7	6.6		---	---		7.6	6.7	
14	7.0	7.0		6.7	6.6		---	---		7.4	7.2	
15	7.0	7.0		6.6	6.6		---	---		7.4	7.2	
16	7.0	7.0		6.6	6.4		---	---		7.2	7.1	
17	7.0	6.1		6.4	6.3		---	---		7.2	7.1	
18	6.4	6.2		6.5	6.4		---	---		7.1	6.9	
19	6.5	6.4		6.6	6.4		---	---		3.3	.2	
20	6.7	6.6		---	---		---	---		6.4	.2	
21	6.8	6.6		---	---		---	---		9.8	.3	
22	6.8	6.7		---	---		---	---		9.2	.2	
23	6.9	6.7		---	---		---	---		6.6	6.5	
24	6.9	6.8		---	---		6.4	6.3		6.7	6.5	
25	6.9	6.8		---	---		6.4	6.3		6.5	.3	
26	7.0	6.9		---	---		6.5	6.1		.3	.3	
27	6.9	6.3		---	---		6.1	5.5		2.1	.1	
28	6.4	6.3		---	---		6.1	5.5		4.7	.1	
29	6.6	6.4		---	---		6.0	5.7		10.0	.1	
30	---	---		---	---		6.2	6.0		10.1	.2	
31	---	---		---	---		---	---		10.1	.2	
MONTH	7.0	6.1		7.0	6.3		6.5	5.5		10.1	.1	
	JUNE			JULY			AUGUST			SEPTEMBER		
1	9.8	.4		6.6	6.5		6.3	6.2		6.4	6.3	
2	9.7	.2		6.7	6.2		6.3	6.2		6.4	6.3	
3	8.2	.2		6.7	6.5		6.3	6.2		6.6	6.3	
4	8.5	.3		6.6	6.4		6.3	6.2		6.6	6.3	
5	7.0	6.8		6.5	6.3		6.4	6.2		6.7	6.4	
6	6.8	6.6		6.5	6.3		6.4	6.3		6.5	6.4	
7	6.6	6.5		6.5	6.3		6.4	6.3		6.5	6.4	
8	6.6	6.5		6.5	6.3		6.5	6.3		6.6	6.4	
9	6.7	6.6		6.6	6.4		6.5	6.3		6.6	6.3	
10	6.7	6.7		6.6	6.5		6.5	6.4		6.4	6.3	
11	6.8	6.7		6.5	6.4		6.6	6.4		6.5	6.2	
12	6.8	6.8		6.5	6.2		6.6	6.4		6.5	6.2	
13	6.8	6.7		6.4	6.1		6.6	6.5		6.5	6.2	
14	6.7	6.7		6.1	5.9		6.6	6.4		6.4	6.2	
15	6.7	6.7		6.4	6.1		6.6	6.5		6.4	6.3	
16	6.7	6.6		6.6	5.8		6.6	6.5		6.4	6.3	
17	6.6	6.6		6.1	5.8		6.7	6.5		6.4	6.3	
18	6.6	6.6		6.2	6.0		6.7	6.5		6.3	6.3	
19	6.6	6.6		6.4	6.1		6.7	6.5		6.3	6.3	
20	6.6	6.6		6.4	6.3		6.7	6.4		6.3	6.2	
21	6.6	6.5		6.5	6.3		6.6	---		6.3	6.2	
22	6.7	6.5		6.6	6.4		---	---		6.3	6.2	
23	6.7	6.5		6.6	6.4		---	---		6.5	6.3	
24	6.7	6.5		6.5	6.4		6.8	6.6		6.3	6.3	
25	6.7	6.5		6.5	6.4		6.8	6.5		6.3	6.2	
26	6.7	6.6		6.5	6.4		6.7	6.4		6.3	6.2	
27	6.7	6.5		6.5	6.4		6.6	6.3		6.3	6.2	
28	6.6	6.4		6.6	6.4		6.7	6.4		6.3	6.2	
29	6.5	6.4		6.7	6.5		6.6	6.4		6.3	6.3	
30	6.5	6.4		6.7	6.1		6.5	6.4		6.3	6.2	
31	---	---		6.6	6.2		6.5	6.3		---	---	
MONTH	9.8	.2		6.7	5.8		6.8	6.2		6.7	6.2	
YEAR	10.1	.0										

MOBILE RIVER BASIN

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02464000 NORTH RIVER NEAR SAMANTHA, AL--Continued

TEMPERATURE (DEG C) OF WATER, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	---	---	---	---	---	---	9.5	9.0	9.5	3.5	2.5	2.5
2	---	---	---	---	---	---	14.0	10.0	11.0	4.0	3.0	3.5
3	18.5	16.0	17.5	---	---	---	14.5	14.0	14.5	5.5	3.5	4.0
4	20.5	17.0	19.0	---	---	---	15.0	14.5	14.5	5.5	3.5	4.5
5	21.5	19.5	20.5	---	---	---	14.5	13.0	13.5	5.5	4.5	5.0
6	20.0	18.0	19.0	---	---	---	14.0	12.5	13.5	6.0	5.0	5.5
7	19.5	17.5	19.0	---	---	---	12.5	10.0	11.0	6.0	5.0	5.5
8	19.0	17.5	18.5	---	---	---	10.0	9.0	9.5	6.0	4.5	5.5
9	20.0	18.0	19.0	---	---	---	9.5	6.0	8.0	6.5	5.0	5.5
10	19.0	18.0	18.0	14.0	12.5	13.0	10.5	6.0	8.0	7.5	6.5	7.0
11	18.0	17.5	17.5	12.5	10.5	11.5	12.5	6.0	9.5	7.0	5.5	6.0
12	18.5	18.0	18.0	10.5	9.0	10.0	13.0	6.0	10.0	5.5	5.0	5.5
13	18.0	16.0	17.0	10.5	9.0	9.5	12.0	6.0	9.5	6.5	5.5	6.0
14	16.0	15.0	15.5	12.5	9.0	9.5	11.0	6.0	10.5	7.0	6.5	6.5
15	15.5	13.0	14.5	11.5	10.5	11.5	10.0	6.0	8.5	7.0	6.0	6.5
16	16.0	14.5	15.5	10.0	10.0	11.0	8.5	6.0	8.0	6.0	6.0	6.0
17	17.5	15.5	16.5	10.5	8.5	9.5	8.5	6.0	7.5	6.5	6.0	6.0
18	18.5	16.5	17.5	10.5	8.5	9.5	8.0	6.0	7.5	6.5	6.0	6.5
19	19.0	17.0	18.0	12.5	10.0	12.0	8.0	6.0	7.5	6.0	4.0	5.0
20	20.0	17.5	18.5	15.0	13.5	14.0	7.0	6.0	6.5	4.0	2.5	3.0
21	19.0	18.0	18.5	13.5	11.5	12.5	8.0	6.0	7.0	2.5	2.0	2.0
22	19.0	18.0	18.5	12.0	11.0	11.5	8.5	6.0	7.5	2.0	1.0	1.5
23	18.0	17.0	17.5	16.0	12.0	14.0	7.5	6.0	6.5	3.0	1.5	2.0
24	17.0	16.5	17.0	15.5	13.0	14.5	6.0	2.5	5.0	6.5	3.0	5.0
25	16.5	15.5	16.0	12.5	10.5	11.5	5.5	.0	2.0	7.5	6.5	7.0
26	16.0	14.5	15.0	10.0	9.0	9.5	5.5	.0	1.5	7.0	6.5	7.0
27	15.0	12.5	14.0	13.5	10.0	11.0	6.0	.0	2.0	7.5	6.5	7.0
28	14.5	12.0	13.0	14.0	12.0	13.0	6.0	2.0	5.5	7.0	6.0	6.5
29	14.0	11.5	12.5	12.0	9.5	10.5	6.0	5.5	5.5	6.5	5.5	6.0
30	14.5	12.0	13.5	9.5	8.5	9.0	5.5	3.5	4.0	7.0	5.5	6.0
31	14.5	13.0	14.0	---	---	---	3.0	2.5	2.5	6.0	5.0	5.5
MONTH	21.5	11.5	17.0	16.0	8.5	11.5	15.0	.0	8.0	7.5	1.0	5.0
FEBRUARY			MARCH			APRIL			MAY			
1	5.5	4.0	4.5	7.0	5.5	6.5				11.0	10.5	10.5
2	6.0	4.0	5.0	8.0	6.5	7.0				11.5	10.0	10.5
3	7.0	5.5	6.0	10.0	6.0	8.0				12.0	11.0	11.5
4	7.5	6.0	6.5	12.0	9.5	11.0				11.0	10.5	11.0
5	6.5	5.5	6.0	12.5	12.0	12.0				11.5	10.5	11.0
6	5.5	3.5	4.5	12.0	10.0	11.0				13.0	11.5	12.0
7	4.0	3.0	3.5	10.0	8.5	9.5				15.0	13.5	14.0
8	4.0	2.5	3.5	10.0	8.5	9.5				14.5	12.5	14.0
9	5.0	3.0	4.0	9.5	9.0	9.5				12.5	10.5	11.0
10	8.5	4.5	6.5	9.0	7.5	8.0				11.0	9.5	10.5
11	10.0	8.5	9.0	8.0	7.0	7.5				12.0	.0	11.0
12	11.0	10.0	10.5	8.5	7.5	8.0				13.0	11.5	12.5
13	11.5	11.0	11.0	10.5	8.5	9.5				14.5	12.5	13.5
14	10.5	10.0	10.5	12.5	10.0	11.0				15.5	13.5	14.5
15	10.0	9.5	10.0	14.5	11.5	13.0				15.5	14.0	14.5
16	11.0	9.5	10.5	15.5	14.0	15.0				14.5	13.0	14.0
17	12.0	10.5	11.5	16.5	15.0	15.5				14.0	12.5	13.0
18	12.0	10.5	11.0	17.0	15.0	16.0				14.5	12.5	13.5
19	12.5	11.5	12.0	16.5	16.0	16.5				15.5	12.5	14.0
20	12.0	11.0	11.5	---	---	---				15.0	13.5	14.0
21	11.5	9.5	10.5	---	---	---				15.0	14.0	14.5
22	11.0	9.5	10.0	---	---	---				16.0	14.5	15.0
23	11.0	9.5	10.0	---	---	---				16.0	15.0	15.5
24	11.0	9.5	10.0	---	---	---				17.0	14.5	16.0
25	11.0	8.5	9.5	---	---	---				23.5	15.0	19.5
26	10.0	8.5	9.5	---	---	---				24.5	22.0	23.5
27	10.5	10.0	10.0	---	---	---				25.0	23.0	24.0
28	10.0	8.0	9.0	---	---	---				24.0	23.0	23.5
29	7.5	6.5	7.0	---	---	---				22.5	19.5	21.0
30	---	---	---	---	---	---				19.5	18.0	18.5
31	---	---	---	---	---	---				18.5	16.5	17.5
MONTH	12.5	2.5	8.5	17.0	5.5	10.5				25.0	.0	15.0

MOBILE RIVER BASIN

02464000 NORTH RIVER NEAR SAMANTHA, AL--Continued

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	19.0	17.0	18.0	28.0	25.5	26.5	24.5	23.5	24.0	27.5	25.0	26.5
2	20.5	18.0	19.0	27.0	25.0	26.5	23.5	23.0	23.0	27.5	24.5	25.5
3	22.0	18.5	20.0	28.0	25.0	26.5	23.5	22.5	23.0	27.0	24.5	25.5
4	23.0	20.0	21.5	29.0	25.5	27.0	25.5	23.0	24.0	25.5	24.0	25.0
5	24.0	21.0	22.5	29.0	26.0	27.5	25.0	24.0	24.5	24.0	21.5	22.5
6	24.0	21.5	23.0	28.5	25.5	27.0	27.0	24.0	25.0	23.0	20.5	22.0
7	24.5	22.5	23.0	28.0	25.0	26.5	27.5	24.5	25.5	23.0	20.5	21.5
8	26.0	23.5	24.5	27.0	25.0	26.0	26.5	24.5	25.5	22.5	20.5	21.5
9	26.0	23.5	25.0	28.0	25.0	26.5	27.5	24.5	26.0	22.0	20.5	21.5
10	26.0	24.0	25.0	28.5	26.0	27.0	27.5	24.5	26.0	23.5	21.5	22.0
11	26.0	24.5	25.5	29.5	26.5	28.0	28.0	25.0	26.5	24.5	22.0	23.0
12	25.5	24.0	25.0	30.0	27.0	28.0	28.0	25.0	26.5	25.5	22.5	24.0
13	27.5	24.0	25.5	28.0	26.0	27.0	27.5	25.0	26.5	25.5	23.5	24.0
14	28.0	25.5	26.5	26.0	25.0	25.0	27.5	25.0	26.5	26.0	23.5	24.5
15	28.0	25.0	26.5	27.0	24.5	26.0	27.0	25.0	26.5	25.5	24.0	24.5
16	28.0	25.5	26.5	26.5	24.0	25.5	28.0	25.0	26.5	24.0	22.0	23.0
17	28.5	25.5	27.0	25.0	23.5	24.0	28.5	26.0	27.0	22.0	20.5	21.5
18	29.0	25.5	27.0	26.5	24.0	25.0	28.5	25.0	27.0	22.0	20.0	21.0
19	29.5	25.5	27.5	26.5	23.5	25.0	27.5	25.5	26.5	22.0	19.5	20.5
20	30.0	26.5	28.0	26.0	24.0	25.0	28.0	25.0	26.5	21.5	19.0	20.5
21	30.5	27.0	28.5	27.0	24.0	25.5	26.5	---	---	21.5	18.5	20.0
22	32.5	27.0	30.0	28.0	24.5	26.0	---	---	---	22.5	19.5	21.0
23	32.0	29.0	30.0	28.0	24.5	26.0	---	---	---	23.5	21.5	22.5
24	30.0	28.0	29.0	27.5	25.0	26.0	28.5	27.0	28.0	24.0	21.5	23.0
25	29.5	27.0	28.0	28.5	25.0	26.5	27.5	24.0	26.0	24.5	21.5	23.0
26	28.5	26.0	27.0	28.5	25.0	27.0	26.5	24.5	25.5	24.0	21.5	22.5
27	29.0	26.0	27.5	27.5	25.5	26.5	26.5	24.5	25.5	23.0	21.0	22.0
28	30.0	26.0	28.0	27.0	25.0	26.0	27.5	25.0	26.5	22.0	20.5	21.0
29	28.0	26.5	27.5	27.0	24.5	26.0	28.5	25.5	27.0	20.5	18.5	19.5
30	28.0	26.5	27.0	25.0	23.0	24.0	27.0	25.5	26.5	18.5	17.0	18.0
31	---	---	---	26.0	23.5	24.5	28.5	25.0	26.5	---	---	---
MONTH	32.5	17.0	25.5	30.0	23.0	26.0	28.5	22.5	26.0	27.5	17.0	22.5
YEAR	32.5	.0	16.0									

OXYGEN, DISSOLVED (DO), MG/L, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	---	---	---	---	---	---	11.0	10.7	10.9	13.1	10.9	12.8
2	---	---	---	---	---	---	10.8	10.0	10.6	12.9	12.6	12.7
3	9.3	8.9	9.1	---	---	---	9.8	8.9	9.3	12.7	10.9	12.3
4	8.9	8.2	8.5	---	---	---	8.9	8.7	8.8	12.4	12.2	11.6
5	8.6	7.7	8.2	---	---	---	10.0	8.8	9.6	12.2	12.0	12.1
6	8.7	7.6	8.1	---	---	---	10.1	9.7	9.9	12.0	11.9	12.0
7	8.7	7.6	8.1	---	---	---	10.8	10.1	10.6	12.0	11.9	12.0
8	8.7	7.7	8.2	---	---	---	11.1	10.8	11.0	12.2	11.7	12.1
9	8.5	7.6	8.2	---	---	---	11.2	2.9	9.0	12.2	8.2	11.9
10	8.9	7.5	8.0	8.9	8.3	8.5	11.1	2.9	7.6	11.9	11.4	11.6
11	9.5	8.2	8.7	8.8	8.3	8.5	10.8	2.9	6.2	12.0	11.4	11.7
12	8.4	7.8	8.1	9.4	8.7	9.0	10.3	9.0	9.7	12.3	12.0	12.2
13	8.9	8.2	8.7	9.7	9.0	9.3	10.5	9.4	10.4	12.1	12.0	12.1
14	9.2	8.8	9.0	9.7	9.2	9.5	10.7	9.1	10.5	12.0	11.8	11.9
15	9.4	9.0	9.2	9.6	9.3	9.5	11.1	10.7	10.9	12.0	11.8	11.9
16	9.5	9.0	9.2	9.6	9.3	9.5	11.6	10.3	11.4	12.1	12.0	12.1
17	9.3	8.6	9.0	9.9	9.4	9.7	11.7	9.9	11.6	12.1	12.0	12.1
18	9.0	8.1	8.6	10.2	9.7	9.9	11.7	9.5	11.3	12.0	11.9	11.9
19	8.7	7.7	8.2	9.8	9.3	9.5	11.6	11.2	11.7	12.5	12.0	12.3
20	8.6	7.3	7.9	9.4	8.4	8.8	11.9	11.7	11.8	12.9	12.6	12.8
21	7.9	7.1	7.4	9.6	9.0	9.4	11.9	9.2	11.5	13.2	12.9	13.1
22	7.6	7.1	7.3	10.0	9.7	9.8	11.6	9.1	11.3	13.5	13.2	13.4
23	7.7	7.1	7.5	9.8	8.4	9.3	12.1	11.6	11.8	13.4	12.9	13.2
24	8.4	7.6	8.1	9.5	8.6	9.1	13.0	11.2	11.7	12.9	11.9	12.4
25	8.6	8.1	8.3	10.3	9.6	10.0	13.7	11.3	13.2	11.9	11.7	11.8
26	8.9	8.2	8.6	10.6	10.3	10.5	14.0	12.1	13.6	12.0	11.7	11.9
27	9.2	8.4	8.8	10.5	9.2	10.2	13.7	9.6	13.0	12.0	11.8	11.9
28	9.6	8.8	9.1	9.6	8.6	9.2	13.3	10.8	12.0	12.0	11.8	11.9
29	9.8	9.0	9.3	10.6	9.7	10.3	11.9	8.9	11.3	12.3	12.0	12.2
30	9.7	9.0	9.2	11.1	10.7	10.9	12.7	12.1	12.4	12.3	11.6	12.2
31	9.5	8.8	9.0	---	---	---	13.1	12.7	12.9	12.5	12.2	12.4
MONTH	9.8	7.1	8.5	11.1	8.3	9.5	14.0	2.9	10.9	13.5	8.2	12.2

MOBILE RIVER BASIN

02464146 TURKEY CREEK NEAR TUSCALOOSA, AL

LOCATION.--Lat 33°24'48", long 87°30'38", in E½ sec. 7, T. 19 S., R. 9 W., Tuscaloosa County, Hydrologic Unit 03160112, on left bank 1,400 ft downstream from State Highway 69, 1.1 mi upstream from Long Creek, 4.7 mi upstream from mouth, 5.5 mi east of Samantha, and 14 mi north of Tuscaloosa.

DRAINAGE AREA.--6.16 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--February 1981 to September 1984 (discontinued).

REVISED RECORDS.--WDR AL-82-1: 1981 (M).

GAGE.--Water-stage recorder. Altitude of gage is 270 ft, from topographic map.

REMARKS.--Water-discharge records good.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,500 ft³/s, Dec. 3, 1983, gage height, 11.98 ft; minimum, 0.51 ft³/s Sept. 29, 30, 1981.

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

REVISIONS.--The maximum discharge for the period of record has been revised to 3,500 ft³/s Dec. 3, 1983, gage height, 11.98 ft, superseding figure published in the report for 1983.

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Nov. 23	1400	220	4.19	Dec. 5	1845	262	4.39
Nov. 27	1930	247	4.32	Dec. 28	0445	288	4.51
Dec. 3	0430	*3,500	*11.98	Apr. 28	1330	398	4.98

Minimum discharge, 1.0 ft³/s Sept. 2, 3, 5, 15, 17, 23, 25.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1	2.1	2.9	14	18	8.3	15	9.8	27	3.5	3.3	8.9	1.5	
2	2.1	2.9	60	17	8.2	11	9.7	21	3.3	2.2	11	1.2	
3	2.2	2.8	819	14	9.5	10	54	88	3.2	2.1	5.7	1.2	
4	2.2	4.7	96	13	8.0	9.3	28	50	3.0	2.0	6.5	1.3	
5	2.3	3.8	97	12	7.3	57	19	31	3.0	2.1	8.0	1.2	
6	2.1	3.1	110	11	6.4	37	14	21	2.9	2.3	4.6	1.3	
7	2.2	3.1	50	9.6	6.3	23	11	17	2.9	2.2	3.9	1.3	
8	2.3	3.1	36	8.8	6.2	18	16	18	2.7	2.8	3.3	1.3	
9	2.5	3.1	27	9.0	6.4	15	33	12	2.6	2.0	3.1	1.3	
10	25	3.2	22	38	12	13	20	9.7	2.5	1.8	3.3	1.4	
11	15	3.1	37	27	10	11	16	8.7	2.5	1.7	3.6	1.5	
12	6.2	3.1	29	20	15	11	13	7.6	2.5	11	3.5	2.1	
13	30	3.1	23	16	21	11	11	6.7	2.5	7.3	4.2	1.8	
14	6.2	4.1	25	14	17	9.3	10	6.5	2.3	4.7	4.4	1.3	
15	4.4	13	18	14	15	8.5	8.5	5.7	2.3	2.6	3.3	1.2	
16	3.8	4.1	14	12	13	8.6	7.8	5.2	2.1	2.5	2.5	1.2	
17	3.3	3.5	12	11	10	9.0	8.1	4.9	2.0	2.7	2.2	1.2	
18	3.2	3.2	11	23	9.3	8.2	7.7	4.7	2.0	3.0	2.1	1.2	
19	3.1	3.4	10	20	8.8	7.7	11	4.6	2.0	2.1	2.0	1.3	
20	3.0	31	9.2	17	8.0	19	12	4.6	2.0	2.0	2.0	1.3	
21	3.0	8.0	12	14	7.7	12	8.0	6.0	2.0	2.0	2.1	1.2	
22	5.2	5.9	20	12	9.4	9.7	10	9.5	2.7	1.8	2.0	1.2	
23	5.6	53	14	13	7.9	8.3	7.9	5.0	6.0	1.8	2.0	1.0	
24	3.7	26	11	32	7.2	12	6.7	4.2	4.0	1.8	1.6	1.2	
25	3.3	12	9.0	23	6.5	13	6.2	4.1	2.6	2.0	1.6	1.1	
26	3.1	8.6	10	18	7.2	11	9.7	3.9	2.2	1.7	1.5	1.2	
27	2.9	73	19	16	52	12	42	3.9	2.1	3.4	1.7	1.3	
28	2.8	63	127	13	23	24	98	6.5	2.0	3.7	1.9	1.3	
29	2.9	28	45	11	17	20	59	7.9	3.1	6.6	1.7	1.2	
30	2.8	18	29	10	---	14	35	4.1	4.2	11	1.8	1.2	
31	2.9	---	22	8.9	---	12	---	3.7	---	4.0	1.8	---	
TOTAL	161.4	399.8	1837.2	495.3	343.6	459.6	602.1	412.7	82.7	102.2	107.8	39.0	
MEAN	5.21	13.3	59.3	16.0	11.8	14.8	20.1	13.3	2.76	3.30	3.48	1.30	
MAX	30	73	819	38	52	57	98	88	6.0	11	11	2.1	
MIN	2.1	2.8	9.0	8.8	6.2	7.7	6.2	3.7	2.0	1.7	1.5	1.0	
CFSM	.85	2.16	9.63	2.60	1.92	2.40	3.26	2.16	.45	.54	.56	.21	
IN.	.97	2.41	11.09	2.99	2.07	2.78	3.64	2.49	.50	.62	.65	.24	
CAL YR 1983	TOTAL	7106.0		MEAN	19.5	MAX	819	MIN	1.7	CFSM	3.17	IN.	42.91
WTR YR 1984	TOTAL	5043.4		MEAN	13.8	MAX	819	MIN	1.0	CFSM	2.24	IN.	30.46

WATER-QUALITY RECORDS

SUSPENDED SEDIMENT: February 1981 to September 1984.

WATER TEMPERATURE: Maximum, 28.0°C June 23, 25, July 17, 18, 20, 21, 1981; minimum, 0°C Dec. 19, 20, 1981, Jan. 17, 1982, Dec. 25, 26, 1983.

WATER TEMPERATURE: Maximum, 26.0°C June 21, July 11, 12; minimum, 0°C Dec. 25, 26.

[illegible]

MOBILE RIVER BASIN

02464146 TURKEY CREEK NEAR TUSCALOOSA, AL--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	SULFATE DIS- SOLVED (MG/L AS SO4)	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)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)	SOLIDS, DIS- SOLVED (TONS PER DAY)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)
OCT 14...	15	1.6	6.5	46	--	0.06	0.68	0.430
NOV 18...	--	--	--	--	--	--	--	--
DEC 16...	12	1.4	6.2	30	28	.04	1.2	<.100
JAN 17...	--	--	--	--	--	--	--	--
FEB 17...	14	1.4	6.0	36	29	.05	1.1	.500

DATE	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, SUS- PENDE 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- PENDE RECOV. (UG/L AS MN)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)
OCT 14...	350	270	78	70	2	68
DEC 16...	300	250	54	190	10	180
FEB 17...	340	280	58	280	0	290

MOBILE RIVER BASIN

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02464146 TURKEY CREEK NEAR TUSCALOOSA, AL--Continued

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	25	21	23	59	33	40	42	41	41	34	33	33
2	26	22	24	53	29	39	60	34	42	35	33	34
3	26	22	24	50	29	37	47	22	35	35	33	34
4	27	23	24	48	29	36	41	38	39	36	34	35
5	38	23	29	48	31	36	74	36	42	36	35	35
6	27	23	25	44	32	38	44	34	37	36	35	35
7	34	20	26	45	29	37	39	37	38	37	35	36
8	25	21	23	57	30	37	39	37	38	37	36	36
9	29	23	26	51	35	41	40	38	39	38	36	37
10	121	28	49	47	32	39	40	38	39	81	37	44
11	89	49	62	50	32	40	94	39	54	37	36	36
12	116	43	55	43	30	38	45	41	42	37	36	37
13	84	48	53	43	30	37	42	39	40	37	36	37
14	49	48	49	46	30	38	59	41	45	37	36	36
15	49	46	47	64	35	45	42	39	41	38	36	37
16	61	44	46	37	35	36	42	40	40	36	36	36
17	58	44	50	36	34	35	45	40	42	37	35	36
18	46	44	45	35	33	33	44	41	42	56	37	43
19	58	43	49	48	32	34	43	39	41	37	36	36
20	44	41	43	67	44	48	44	43	43	38	36	37
21	45	42	43	66	45	49	92	42	47	37	35	36
22	76	42	48	59	45	51	66	46	51	38	35	36
23	58	42	51	94	47	60	46	43	45	40	36	37
24	62	40	50	48	45	46	43	41	42	58	35	41
25	59	46	51	48	45	46	44	40	42	36	35	36
26	60	42	47	46	44	45	43	42	42	37	36	36
27	54	41	46	90	41	54	104	42	51	37	36	36
28	52	42	47	58	41	43	52	32	36	37	36	36
29	48	35	43	45	42	44	37	34	35	37	36	36
30	53	34	43	44	42	43	34	33	33	37	36	36
31	55	34	42	---	---	---	34	32	33	37	36	37
MONTH	121	20	41	94	29	42	104	22	41	81	33	37
	FEBRUARY			MARCH			APRIL			MAY		
1	37	36	37	88	36	44	33	31	32	57	37	49
2	37	36	37	37	36	36	38	31	33	52	37	41
3	39	36	37	36	35	36	65	29	35	86	30	37
4	37	36	36	36	35	35	33	30	31	53	33	41
5	37	36	36	71	32	43	32	29	30	58	40	48
6	37	35	36	94	32	41	31	30	31	44	41	42
7	37	36	36	46	38	39	31	29	30	69	40	50
8	37	36	36	39	37	38	59	29	33	61	40	48
9	37	35	36	39	37	38	44	29	31	49	40	42
10	51	36	41	40	38	39	30	28	29	63	39	48
11	41	38	39	39	38	38	33	28	30	65	39	48
12	82	38	44	38	37	38	33	30	32	63	39	45
13	46	40	42	117	36	45	39	30	34	42	38	40
14	116	40	49	66	37	42	45	34	38	40	37	39
15	111	54	80	39	35	38	40	32	34	40	36	38
16	66	48	53	39	38	39	38	32	34	40	32	37
17	47	44	46	40	37	39	79	30	54	39	35	37
18	44	43	44	39	37	38	116	39	78	44	35	38
19	44	42	43	39	36	37	123	50	76	44	40	42
20	43	41	42	63	37	44	97	50	62	44	39	41
21	42	41	41	103	37	44	49	43	45	66	39	46
22	45	41	42	58	37	41	43	36	40	93	44	54
23	42	40	41	47	38	40	51	39	43	49	46	47
24	42	40	41	67	38	44	44	38	39	48	45	46
25	41	40	40	55	37	42	49	38	42	46	42	44
26	59	39	41	39	36	38	126	40	49	45	41	43
27	70	35	38	47	37	39	107	34	45	47	42	44
28	36	35	35	133	38	55	57	28	39	97	41	48
29	103	35	44	38	31	35	35	30	33	81	45	52
30	---	---	---	32	31	31	57	34	43	48	42	45
31	---	---	---	33	31	32	---	---	---	44	41	42
MONTH	116	35	42	133	31	40	126	28	40	97	30	44

MOBILE RIVER BASIN

02464146 TURKEY CREEK NEAR TUSCALOOSA, AL--Continued

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	45	42	43	42	35	37	90	46	62	31	25	29
2	45	42	43	35	32	34	88	36	50	33	26	29
3	46	39	42	35	31	34	48	35	37	36	28	31
4	45	40	42	34	29	31	69	41	53	36	29	33
5	45	41	43	41	29	33	49	35	38	34	27	31
6	47	40	42	40	34	36	38	36	37	44	27	35
7	58	49	54	35	31	32	93	36	69	120	37	87
8	68	56	59	35	30	32	69	42	55	111	92	99
9	72	59	64	35	31	33	50	35	38	90	76	85
10	67	52	59	36	32	34	84	52	68	74	55	65
11	60	49	53	40	31	35	90	78	83	55	44	52
12	56	47	51	69	29	39	92	75	82	54	34	42
13	57	48	51	73	46	64	91	60	76	41	34	38
14	61	49	54	60	48	54	73	61	67	70	33	48
15	57	41	47	49	43	46	72	62	67	72	59	66
16	46	37	41	48	38	43	84	61	68	68	54	59
17	40	33	35	45	35	38	88	64	73	55	38	45
18	34	29	31	46	33	38	71	48	56	43	35	38
19	31	27	30	39	32	36	81	48	60	59	36	42
20	30	27	29	37	28	31	78	43	52	86	59	75
21	30	26	28	32	25	27	83	37	50	169	76	139
22	34	28	31	29	25	27	84	48	61	142	114	123
23	59	27	36	27	23	25	98	41	58	115	75	88
24	48	35	40	27	23	25	101	61	77	80	55	66
25	37	33	35	27	22	25	87	44	63	54	39	45
26	34	31	33	24	21	23	55	42	48	39	34	37
27	34	30	32	29	21	24	78	52	63	102	37	60
28	35	29	31	68	24	38	57	38	46	111	83	97
29	39	32	35	75	25	32	39	30	35	108	70	82
30	64	36	46	70	33	41	41	33	37	76	52	60
31	---	---	---	56	35	48	42	27	36	---	---	---
MONTH	72	26	42	75	21	35	101	27	57	169	25	61
YEAR	169	20	43									

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	17.0	14.0	16.0	16.0	14.0	15.0	12.0	10.5	11.0	6.0	3.0	4.5
2	17.5	14.5	16.0	16.5	14.0	15.5	14.5	10.5	12.0	6.5	4.5	5.5
3	17.5	14.5	16.5	16.0	13.5	15.0	16.0	14.5	15.0	7.0	4.0	5.5
4	19.0	16.5	18.0	16.0	14.5	15.5	15.0	13.0	14.5	7.0	4.0	5.5
5	21.0	18.5	19.5	14.0	10.5	12.0	15.0	12.0	13.5	7.5	5.5	6.5
6	18.5	16.0	17.5	10.5	8.0	9.5	15.0	12.0	14.0	8.5	5.5	7.0
7	18.0	15.0	16.5	13.0	10.5	11.5	12.0	10.0	11.0	7.5	5.0	6.5
8	17.5	15.0	16.5	13.0	10.5	12.0	11.5	9.5	10.5	7.5	4.5	6.0
9	18.5	16.0	17.5	14.0	11.5	13.0	12.0	9.0	10.5	9.0	5.5	7.5
10	18.0	16.0	17.0	13.5	11.0	12.5	12.5	10.5	11.5	9.0	7.5	8.5
11	18.0	17.0	17.5	11.0	9.0	10.0	14.5	12.5	13.5	7.0	6.0	6.5
12	18.5	17.5	18.0	8.5	7.0	8.0	13.5	11.5	12.0	7.5	5.0	6.5
13	18.0	13.5	16.0	9.5	7.5	8.5	11.5	11.0	11.5	8.5	7.0	7.5
14	14.0	11.5	13.0	12.0	8.5	9.5	11.5	9.5	11.0	8.5	6.5	7.5
15	14.5	10.5	13.0	14.5	12.0	13.5	10.5	8.5	9.5	7.0	6.5	6.5
16	17.0	13.5	15.5	11.5	8.0	10.0	9.5	7.5	8.5	7.5	6.5	7.0
17	17.5	15.5	16.5	9.0	6.0	8.0	9.5	8.0	9.0	7.5	6.5	7.0
18	18.5	16.0	17.5	11.0	6.5	10.5	10.5	7.5	9.0	7.5	6.5	7.5
19	18.5	16.5	18.0	15.5	11.0	13.0	9.5	7.5	8.0	6.0	4.0	5.0
20	19.0	16.5	18.0	14.5	11.5	14.0	8.0	7.0	7.5	5.0	3.0	4.0
21	18.5	17.0	18.0	11.5	9.0	10.5	10.5	8.0	9.5	4.0	2.5	3.0
22	18.0	17.5	17.5	13.5	9.5	11.5	10.0	7.5	9.0	4.5	.5	2.5
23	17.0	16.0	16.5	16.5	13.5	15.0	7.5	6.0	6.5	7.0	3.5	5.5
24	16.0	15.0	15.5	15.0	10.5	13.0	5.5	1.0	3.5	9.0	7.0	8.0
25	15.5	14.5	15.0	10.5	8.5	9.5	1.5	.0	1.0	9.5	7.5	8.5
26	14.5	12.0	13.5	11.0	7.5	9.5	2.5	.0	1.0	9.0	6.0	7.5
27	12.5	9.5	11.5	14.5	11.0	13.0	5.5	2.5	4.0	9.5	7.0	8.5
28	12.5	9.5	11.0	14.5	11.0	13.0	9.5	6.0	8.5	7.5	6.0	7.0
29	12.5	10.0	11.5	11.0	9.0	10.0	8.5	5.5	7.0	8.0	5.0	6.5
30	14.0	11.5	13.0	10.5	8.0	9.5	5.0	3.5	4.5	8.0	5.5	6.5
31	14.5	13.0	14.0	---	---	---	5.0	2.5	4.0	6.5	4.0	5.0
MONTH	21.0	9.5	16.0	16.5	6.0	11.5	16.0	.0	9.0	9.5	.5	6.5

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TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY				MARCH			APRIL			MAY		
1	7.0	3.5	5.5	9.0	4.5	6.5	14.5	8.5	11.5	15.0	13.5	14.5
2	8.0	4.5	6.5	10.0	5.5	7.5	15.0	9.0	12.0	16.5	13.5	15.5
3	9.5	7.0	8.0	11.5	7.0	9.5	16.0	12.5	14.0	16.5	15.0	16.0
4	8.5	5.5	7.0	13.0	9.5	11.5	15.5	12.5	14.0	17.0	14.5	15.5
5	7.0	4.0	6.0	12.0	11.0	11.5	13.5	11.5	12.5	17.0	14.0	16.0
6	4.5	2.0	3.0	10.5	8.5	9.5	15.5	9.5	12.5	19.5	16.5	18.0
7	4.5	1.0	3.0	10.5	7.0	8.5	13.5	9.5	12.0	20.5	18.0	19.0
8	6.0	2.0	4.0	12.0	7.0	9.0	12.5	11.5	12.5	18.5	15.0	17.0
9	7.5	2.5	5.5	9.5	6.5	8.0	15.5	12.0	13.5	16.0	12.5	14.5
10	9.5	7.5	8.5	7.5	6.0	7.0	14.0	13.0	13.5	16.5	11.5	14.5
11	12.5	9.0	10.5	10.5	6.0	8.0	17.0	11.5	14.0	18.0	13.5	16.0
12	13.0	9.5	11.0	9.5	7.0	8.5	15.5	11.5	13.5	19.0	15.0	17.0
13	12.0	10.0	11.0	13.5	10.0	11.5	18.0	12.5	15.5	19.5	16.0	18.0
14	11.5	8.0	9.5	14.5	8.5	11.5	16.5	14.0	15.0	20.5	17.0	18.5
15	11.5	7.5	9.5	16.0	10.5	13.5	13.5	11.5	12.5	19.0	16.0	17.5
16	13.0	9.0	11.0	16.5	13.0	14.5	13.5	10.0	12.0	17.5	14.0	16.0
17	12.5	9.0	11.0	16.0	13.5	14.5	14.0	11.0	12.5	17.5	13.0	15.5
18	12.5	8.0	10.5	18.0	13.0	15.5	15.5	9.5	13.0	18.0	13.5	16.0
19	12.5	11.0	12.0	17.5	14.0	15.5	12.5	11.5	12.0	19.0	15.0	17.0
20	11.5	9.5	10.5	15.5	9.5	12.5	17.5	12.5	15.0	18.5	15.5	17.0
21	11.5	9.0	10.0	13.5	8.0	10.5	19.0	15.5	17.0	19.5	17.5	18.0
22	9.5	8.0	9.0	14.0	8.0	11.0	18.0	15.0	17.0	20.0	17.5	18.5
23	12.0	9.0	10.5	15.5	9.5	12.5	15.5	12.5	14.0	20.0	17.0	18.5
24	11.5	8.0	9.5	13.5	11.0	12.5	16.5	11.0	14.0	20.5	16.5	18.5
25	10.5	7.0	9.0	15.0	11.5	13.0	17.5	11.5	15.0	21.0	17.5	19.5
26	11.0	6.5	9.0	13.5	10.0	11.5	15.5	13.0	14.5	22.5	19.0	20.5
27	11.5	9.0	10.5	15.5	12.0	13.5	17.0	14.5	16.0	22.5	19.5	21.0
28	8.5	6.5	7.5	15.0	12.0	14.0	17.0	14.5	15.5	21.5	19.0	20.5
29	8.0	6.0	6.5	15.0	11.0	12.5	16.0	14.5	15.5	19.5	15.5	18.0
30	---	---	---	14.0	8.5	11.5	16.5	15.0	16.0	16.0	12.5	14.5
31	---	---	---	13.5	8.5	11.0	---	---	---	16.5	11.5	14.5
MONTH	13.0	1.0	8.5	18.0	4.5	11.0	19.0	8.5	14.0	22.5	11.5	17.0
JUNE				JULY			AUGUST			SEPTEMBER		
1	17.5	12.5	15.5	22.0	19.0	21.0	21.0	20.5	21.0	25.0	21.0	23.0
2	18.5	14.0	16.5	23.0	19.5	21.5	21.0	20.5	20.5	24.5	20.5	22.5
3	19.5</											

MOBILE RIVER BASIN

02464146 TURKEY CREEK NEAR TUSCALOOSA, AL--Continued

SUSPENDED-SEDIMENT, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

Date	Time	Streamflow, instantaneous (cfs)	Sediment, suspended (mg/L)	Date	Time	Streamflow, instantaneous (cfs)	Sediment, suspended (mg/L)
Oct				Nov			
01	1415	2.2	5	23	1935	78	56
02	1415	2.2	6	24	1240	23	14
03	1415	2.5	5	24	1505	20	10
04	1415	2.5	4	25	1240	12	10
05	1410	2.5	4	27	0755	18	10
06	1410	2.2	3	27	1240	17	14
07	1410	2.5	7	27	1255	18	55
08	1410	2.8	3	27	1350	25	69
09	1410	2.8	4	27	1550	86	263
10	1410	2.5	4	27	1630	148	456
10	1815	14	89	27	1925	214	324
10	1915	56	388	27	2215	153	145
10	2330	76	336	28	0530	76	29
11	0450	20	33	28	1240	56	16
11	1410	8.4	6	29	1240	28	3
12	1410	5	12	30	0115	21	3
12	2320	15	239	Dec			
13	0040	85	180	01	1240	14	2
13	0320	81	92	02	1240	12	1
13	1020	21	14	02	2300	540	1560
13	1245	15	10	02	2325	772	1250
13	1305	15	8	02	2345	980	3200
13	1405	14	7	03	0005	1180	2720
14	1405	5.8	3	03	0015	1250	1370
15	1405	4.5	2	03	0150	1560	500
16	1405	4.2	1	03	0310	1940	398
17	1405	3.4	2	03	0320	2130	415
18	1405	3.4	2	03	0325	2230	501
19	1405	3.4	2	03	0335	2440	630
20	1405	3.4	4	03	0350	2760	1240
21	1400	3.1	5	03	0410	3000	1040
22	1400	5.8	2	03	0445	3070	762
23	1400	4.5	3	03	0505	2990	556
24	1400	3.8	3	03	0515	2770	515
25	1400	3.4	2	03	0525	2560	416
26	1400	3.1	2	03	0535	2350	381
27	1400	2.8	2	03	0540	2250	430
28	1355	2.8	2	03	0615	1840	314
29	1355	2.8	1	03	0735	1340	258
30	1355	2.8	2	03	0745	1230	274
31	1355	2.8	3	03	0755	1120	329
Nov				03	0810	954	316
01	1355	3.1	2	03	0820	853	340
02	1355	2.8	2	03	0835	702	288
03	1355	2.8	2	03	0855	523	266
04	1355	5.8	5	04	0845	107	11
05	1340	3.4	2	05	1220	54	271
06	1340	3.1	1	05	1240	54	41
07	1350	3.1	3	05	1615	81	78
08	1350	3.1	1	05	1720	150	168
09	1350	3.1	2	05	1835	233	220
10	1350	3.4	2	05	1900	249	233
11	1350	3.1	2	05	2135	155	64
13	1345	3.1	4	06	0055	152	69
14	1315	4.5	6	06	0530	150	53
15	0200	9.5	447	06	1240	96	21
15	0310	21	185	06	1735	77	14
15	0800	18	32	07	1235	48	14
15	1315	8.4	17	08	1235	36	15
16	1315	3.8	9	09	1235	26	100
17	1315	3.4	17	10	1235	21	11
18	1115	3.1	10	10	1335	21	142
18	1245	3.4	11	10	1405	21	148
19	1245	3.1	11	11	1235	40	85
19	2355	28	560	12	1235	28	7
20	0010	28	2180	13	1235	23	8
20	0030	41	262	14	1235	23	6
20	0110	56	474	14	2035	20	7
20	0325	81	229	15	1450	18	5
21	1245	7.8	13	16	1054	14	11
22	1245	5.4	20	16	1230	14	14
23	1215	8.4	57	17	1230	12	1220
23	1240	48	632	18	1230	12	59
23	1255	73	924	19	1230	10	47
23	1330	145	810	20	1230	8.9	11

MOBILE RIVER BASIN

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02464146 TURKEY CREEK NEAR TUSCALOOSA, AL--Continued

SUSPENDED-SEDIMENT, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

Date	Time	Streamflow, instantaneous (cfs)	Sediment, suspended (mg/L)	Date	Time	Streamflow, instantaneous (cfs)	Sediment, suspended (mg/L)
Dec				Mar			
21	1230	8.9	9	16	1201	8.9	5
21	2120	18	132	16	1450	7.3	5
22	0735	21	18	17	1445	8.9	4
23	1225	14	79	18	1445	6.8	5
30	1245	29	5	19	1445	6.8	3
31	1145	22	4	20	0540	19	18
Jan				20	1435	19	11
01	1300	18	4	21	1445	10	4
02	0800	16	4	22	1445	8.4	2
03	1440	14	3	23	1445	7.3	1
04	1045	12	2	24	1445	11	65
05	1445	11	3	24	1620	20	11
06	1600	10	7	24	1930	19	11
07	1430	9.5	9	25	1440	12	3
08	1425	7.8	6	26	1440	11	2
09	1200	7.8	5	27	1440	9.5	4
10	1240	70	61	28	0325	20	12
11	1200	26	23	28	0550	20	9
12	1210	18	518	28	1130	18	115
13	1646	14	4	28	1440	40	36
16	1245	10	2	29	1405	19	5
17	1345	9.5	2	30	1440	22	4
17	1530	9.5	2	31	1440	11	1
18	1430	21	12	Apr			
19	0813	18	3	01	1435	9.5	1
19	0945	18	1	02	1435	8.9	1
23	1145	11	1	02	2315	20	58
24	1600	30	1	03	1435	43	10
25	1345	22	11	04	1435	25	5
26	0900	18	28	05	0920	19	5
26	1150	18	0	06	1435	14	6
30	1330	10	1	07	1435	12	5
Feb				08	1430	12	12
08	1245	5.8	3	08	1645	19	4
09	1300	6.3	3	08	1930	21	7
10	1230	18	8	09	1430	29	5
11	1330	9.5	1	26	1215	5.8	5
14	1300	17	5	27	1300	33	12
14	1505	16	9	29	0730	64	11
14	2050	20	10	30	1345	33	10
15	0005	19	10	May			
15	1505	17	15	02	1530	19	4
16	1505	13	9	04	1230	48	9
17	1500	11	13	04	1500	45	25
18	1500	9.5	9	05	1430	29	8
19	1500	16	10	06	0945	23	5
20	1500	7.8	9	07	1315	18	5
21	1500	7.8	10	08	1430	17	5
22	1500	15	10	09	1445	12	3
23	1500	7.8	7	10	1215	11	4
24	1500	7.3	8	11	1545	8.4	4
25	1455	6.3	4	12	1815	6.3	2
26	1455	6.3	6	13	1500	6.8	4
26	2325	22	324	14	1230	7.3	9
27	1455	38	13	15	1400	5.8	3
28	1455	21	9	16	1100	5.8	8
29	1455	16	5	16	1400	5.4	6
Mar				17	1300	5.4	3
01	1455	14	5	18	1630	5	3
02	1455	12	20	19	1530	4.5	3
03	1455	10	6	20	1700	4.5	4
04	1455	16	12	21	1400	6.8	14
05	0240	19	34	21	1700	8.9	4
05	1455	73	41	22	1530	6.3	7
06	1450	33	6	23	1400	5.4	5
07	1450	22	4	24	1400	4.5	4
08	1450	17	5	25	1215	5	8
09	1450	14	4	26	1845	3.4	317
10	1450	12	4	27	1515	4.2	4
11	1450	10	4	28	1400	4.5	5
12	1450	9.5	3	29	1045	6.3	18
13	1450	8.9	3	30	1300	4.5	12
14	1450	7.8	3	31	1330	4.2	11
15	1450	7.3	2				
16	1115	7.8	13				

MOBILE RIVER BASIN

02464146 TURKEY CREEK NEAR TUSCALOOSA, AL--Continued

SUSPENDED-SEDIMENT, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

Date	Time	Streamflow, instantaneous (cfs)	Sediment, suspended (mg/L)	Date	Time	Streamflow, instantaneous (cfs)	Sediment, suspended (mg/L)
Jun				Jul			
01	1245	3.8	16	19	1440	2	11
02	1545	3.8	12	20	1445	2	9
04	1445	3.4	13	26	1550	1.8	8
05	1045	3.4	7	27	1910	4.2	42
05	1615	3.1	8	27	1920	3.4	45
06	1915	2.5	9	28	0410	2.5	11
09	1715	2.8	14	29	0410	2.5	9
10	1645	2.8	10	29	2250	57	377
11	1730	2.5	7	30	0255	19	127
12	1900	2.2	7	30	0410	14	77
13	1900	2.2	22	31	0405	4.5	9
14	1645	2.2	3	Aug			
15	1630	2.5	19	01	0405	2.5	7
16	1930	2.2	5	02	0405	6.8	16
17	1720	2.2	4	02	1340	18	35
18	1930	1.8	7	03	0405	5.8	10
19	1401	2.2	7	04	0405	4.2	7
20	1455	2.2	13	04	2135	14	86
21	1450	2	9	04	2320	19	119
22	1450	2.5	13	05	0405	9.5	29
23	1450	2.2	9	06	0405	4.2	9
23	1905	18	208	07	0405	3.4	7
24	1450	3.1	16	08	0405	2.5	7
25	1450	2.5	10	08	1250	2.8	6
26	1450	2.2	10	09	0405	2.5	7
27	1450	2.2	10	10	0405	2.5	55
28	1450	2	7	10	1630	2.8	10
29	1450	2.5	7	11	1900	7.3	12
30	1450	3.4	10	12	1830	3.1	9
Jul				13	1730	5.4	7
01	1450	2.8	11	14	1700	7.8	7
02	1450	2.2	8	18	0845	1.8	1
03	1450	2.2	11	19	1545	1.8	1
04	1450	2	6	20	1800	1.8	1
05	1450	2.2	192	20	1815	1.8	1
06	1445	2.5	9	21	1645	1.8	1
07	1445	2	9	Sep			
08	1445	2.5	7	12	1000	2.2	1
09	1445	2	8	17	1620	1.6	1
10	1445	2	8	17	1624	1.2	4
11	1445	1.8	7	18	0955	1.2	4
12	1445	1.8	6	19	0955	1.2	4
12	1830	13	2250	20	0955	1.4	1
12	1925	91	1920	21	0955	1.2	4
13	0520	153	74	22	0955	1.2	4
13	1205	77	23	23	0955	1	3
13	1445	4.5	19	24	0950	1.2	3
14	1445	4.5	11	25	0950	1	1
15	1445	2.5	7	26	0950	1.2	3
16	1445	2.2	2	27	0950	1.4	5
17	1445	2.8	4	28	0950	1.4	3
17	1458	2.5	8	29	0950	1.2	4
18	1440	2.8	12				

02464800 LAKE TUSCALOOSA RESERVOIR NEAR TUSCALOOSA, AL

LOCATION.--Lat 33°16'02", long 87°30'22", in SE¼NW¼NW¼ sec. 32, T. 20 S., R. 9 W., Tuscaloosa County, Hydrologic Unit 03160112, at spillway of dam, 4 mi northeast of Northport, 5.5 mi northeast of Tuscaloosa.

DRAINAGE AREA.--417 mi².

PERIOD OF RECORD.--October 1982 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: October 1982 to current year.

WATER TEMPERATURES: October 1982 to current year.

INSTRUMENTATION.--Water-quality monitor since October 1982.

REMARKS.--Miscellaneous samples of chemical data published for water year 1975. Interruptions in the daily record were due to malfunctions of the instrument. In addition to the water-quality monitor record, samples were collected once a month.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 65 microsiemens Dec. 5, 1982; minimum, 33 microsiemens July 6, 1983.

PH: Maximum, 7.9 units Feb. 17, 1984; minimum, 5.4 units Oct. 12, 22, 1983.

WATER TEMPERATURES: Maximum, 36.0°C June 25, 1984; minimum, 6.5°C Jan. 19, 20, 1984.

DISSOLVED OXYGEN: Maximum, 11.7 mg/L June 12, 1984; minimum, 2.7 mg/L Sept. 8, 1984.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 56 microsiemens Dec. 5; minimum, 33 microsiemens Dec. 30-Jan. 2.

PH: Maximum, 7.9 units Feb. 17; minimum, 5.4 units Oct. 12, 22.

WATER TEMPERATURES: Maximum, 36.0°C June 25; minimum, 6.5°C Jan. 19, 20.

DISSOLVED OXYGEN: Maximum, 11.7 mg/L June 12; minimum, 2.7 mg/L Sept. 8.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCOCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD- NESS (MG/L AS CaCO ₃)	HARD- NESS, NONCAR- BONATE (MG/L AS CaCO ₃)	CALCIUM DIS- SOLVED (MG/L AS Ca)	MAGNE- SIUM, DIS- SOLVED (MG/L AS Mg)	SODIUM, DIS- SOLVED (MG/L AS Na)
OCT												
07...	1105	41	6.1	23.5	8.0	--	--	12	7	2.1	1.7	2.0
NOV												
07...	1300	43	6.1	18.5	7.9	--	--	12	6	2.1	1.7	2.1
DEC												
15...	1030	40	5.9	12.0	8.0	--	--	11	6	2.0	1.4	2.2
JAN												
09...	1210	46	5.8	9.0	9.9	K3	K21	13	10	2.6	1.7	1.5
FEB												
03...	1415	47	6.5	7.5	11.1	--	K5	14	8	2.6	1.9	1.7
MAR												
06...	1230	48	6.6	9.0	11.2	K4	K17	15	8	2.7	1.9	1.8
APR												
05...	1120	51	6.2	14.5	10.0	--	--	14	9	2.7	1.8	2.0
MAY												
09...	1545	49	6.2	21.0	8.3	26	K2	14	9	2.7	1.8	1.9
JUN												
08...	1145	50	5.8	25.0	8.4	--	--	15	10	2.7	1.9	1.9
JUL												
06...	1315	50	5.6	29.5	8.0	--	--	15	11	2.8	1.9	1.8
AUG												
03...	1300	48	5.9	28.0	7.8	--	--	14	9	2.6	1.9	1.9
SEP												
07...	1515	50	6.0	28.0	7.5	K1	K4	15	10	2.8	1.9	1.9

MOBILE RIVER BASIN

02464800 LAKE TUSCALOOSA RESERVOIR NEAR TUSCALOOSA, AL--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LITY FIELD (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)	RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)
OCT 07...	24	0.3	1.0	5	7.7	9.4	1.7	<.10	5.7	30	27	0.04
NOV 07...	25	.3	.90	6	9.2	9.8	1.8	<.10	5.2	29	28	.04
DEC 15...	28	.3	1.3	5	12	10	2.2	<.10	4.2	36	27	.05
JAN 09...	18	.2	1.1	4	12	14	1.7	<.10	5.2	38	31	.05
FEB 03...	19	.2	1.1	6	3.7	12	1.8	<.10	5.2	35	30	.05
MAR 06...	20	.2	.90	7	3.4	12	2.0	<.10	5.8	34	32	.05
APR 05...	22	.2	.90	5	6.1	12	2.7	<.10	6.1	30	31	.04
MAY 09...	21	.2	.80	5	6.1	15	2.1	<.10	6.1	55	34	.07
JUN 08...	21	.2	.90	5	15	13	2.0	<.10	6.2	30	32	.04
JUL 06...	20	.2	.80	4	19	12	2.1	<.10	5.8	47	30	.06
AUG 03...	21	.2	.90	5	12	12	1.9	<.10	6.1	38	30	.05
SEP 07...	21	.2	.80	5	9.8	13	2.0	<.10	6.0	36	32	.05

DATE	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	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, TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P)
OCT 07...	--	<.010	<.100	<.010	--	0.20	--	0.010	<.010	<.010
NOV 07...	--	<.010	<.100	.050	--	<.10	--	.010	.010	<.010
DEC 15...	--	.010	<.100	.070	0.13	.20	--	.030	.010	.010
JAN 09...	--	<.010	.100	.070	.33	.40	0.50	.020	<.010	<.010
FEB 03...	--	<.010	.100	.070	.63	.70	.80	.020	.010	<.010
MAR 06...	0.090	.010	.100	.040	.66	.70	.80	<.010	<.010	<.010
APR 05...	.090	.010	.100	.080	.22	.30	.40	<.010	<.010	<.010
MAY 09...	--	<.010	.100	.020	.28	.30	.40	.030	<.010	.040
JUN 08...	--	.010	<.100	.090	.11	.20	--	<.010	<.010	<.010
JUL 06...	--	<.010	.100	<.010	--	.30	.40	<.010	.010	<.010
AUG 03...	--	<.010	<.100	<.010	--	.30	--	.040	.030	<.010
SEP 07...	--	<.010	<.100	.020	.08	.10	--	<.010	<.010	<.010

02464800 LAKE TUSCALOOSA RESERVOIR NEAR TUSCALOOSA, AL--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

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)	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)
OCT										
07...	--	--	--	--	--	--	330	220	110	--
NOV										
07...	--	--	--	--	--	--	390	280	110	--
DEC										
15...	--	--	--	--	--	--	1000	910	92	--
JAN										
09...	--	--	--	--	--	--	880	740	140	--
FEB										
03...	--	--	--	--	--	--	460	290	170	--
MAR										
06...	--	--	--	--	--	--	450	300	150	--
APR										
05...	--	--	--	--	--	--	640	500	140	3
MAY										
09...	--	--	--	--	--	--	570	410	160	8
JUN										
08...	--	--	--	--	--	--	390	230	160	3
JUL										
06...	--	--	--	--	--	--	340	240	99	--
AUG										
03...	<1	<1	<1	<1	5	3	510	420	87	5
SEP										
07...	--	--	--	--	--	--	510	400	110	--

DATE	LEAD, SUS- PENDE RECOV- ERABLE (UG/L AS PB)	LEAD, DIS- SOLVED (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)	MERCURY DIS- SOLVED (UG/L AS HG)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	SILVER, TOTAL RECOV- ERABLE (UG/L AS AG)	SILVER, DIS- SOLVED (UG/L AS AG)
OCT										
07...	--	--	180	30	150	--	--	--	--	--
NOV										
07...	--	--	290	40	250	--	--	--	--	--
DEC										
15...	--	--	250	40	210	--	--	--	--	--
JAN										
09...	--	--	190	20	170	--	--	--	--	--
FEB										
03...	--	--	160	10	150	--	--	--	--	--
MAR										
06...	--	--	120	0	120	--	--	--	--	--
APR										
05...	1	2	110	20	90	--	--	--	--	--
MAY										
09...	3	5	90	10	80	--	--	--	--	--
JUN										
08...	--	2	110	20	88	--	--	--	--	--
JUL										
06...	--	--	--	--	94	--	--	--	--	--
AUG										
03...	--	4	100	0	100	0.8	0.1	<1	2	2
SEP										
07...	--	--	220	60	160	--	--	--	--	--

MOBILE RIVER BASIN

02464800 LAKE TUSCALOOSA RESERVOIR NEAR TUSCALOOSA, AL--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	CYANIDE DIS- SOLVED (MG/L AS CN)	PCN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	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)	ENDO- SULFAN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
AUG 03...	2.2	<.01	<.01	--	--	--	--	--	--	--	--	--
SEP 07...	--	--	--	<1.0	<1	<.1	<1.0	<.1	0.1	<.1	0.2	<.1
DATE	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	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)	METH- OXY- CHLOR, TOT. IN BOTTOM MATL. (UG/KG)	TOXA- PHENE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	2,4-D, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	2,4-DP, IN BOTTOM MAT. (UG/KG)	2,4,5-T TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	MIREX, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	SILVEX, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	PER- THANE IN BOTTOM MATERIL (UG/KG)
SEP 07...	<.1	0.1	<.1	<.1	<.1	<10	<.10	<.1	<.10	<.1	<.1	<1.00

MOBILE RIVER BASIN

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02464800 LAKE TUSCALOOSA RESERVOIR NEAR TUSCALOOSA, AL--Continued

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	39	38	38	39	39	39	43	42	43	34	33	33
2	39	38	38	40	39	39	43	42	43	34	33	34
3	39	38	39	39	38	39	49	41	44	35	34	34
4	39	38	38	40	39	39	55	49	53	37	34	35
5	39	38	39	40	39	39	56	52	54	37	35	36
6	39	38	39	40	39	39	53	49	52	37	35	36
7	39	38	39	40	39	40	51	48	50	36	35	36
8	39	38	39	40	39	40	49	46	47	38	36	37
9	39	38	39	40	39	40	47	45	46	49	36	41
10	40	38	39	40	39	39	46	44	45	45	37	39
11	40	38	39	40	39	40	45	43	44	44	40	42
12	41	38	40	41	40	40	44	42	43	46	44	45
13	40	38	39	41	40	40	42	41	42	46	45	45
14	39	39	39	41	40	40	41	40	41	46	45	45
15	39	39	39	41	40	40	41	40	40	46	45	45
16	39	38	39	41	40	40	41	38	39	46	45	45
17	39	38	39	41	40	41	39	37	39	46	45	46
18	39	38	39	41	40	41	38	37	38	46	45	45
19	39	38	39	42	41	41	39	37	38	46	45	46
20	39	38	39	42	41	41	38	37	37	46	45	46
21	39	38	39	42	41	41	37	36	37	46	45	46
22	41	38	40	42	40	41	37	36	37	46	45	46
23	39	38	38	41	40	40	37	36	36	46	45	46
24	39	38	39	41	40	40	37	36	36	46	45	46
25	39	38	39	41	40	41	36	35	36	46	45	46
26	39	38	39	42	41	41	36	35	36	46	45	46
27	39	38	39	42	41	41	36	35	36	46	45	45
28	39	38	39	42	41	42	36	35	35	46	45	46
29	39	38	39	43	42	42	35	34	35	46	45	45
30	40	38	39	43	42	42	34	33	34	46	45	45
31	39	39	39	---	---	---	34	33	33	46	45	45
MONTH	41	38	39	43	38	40	56	33	41	49	33	42
FEBRUARY			MARCH			APRIL			MAY			
1	46	45	45	47	46	46	51	49	50	50	48	49
2	46	45	45	47	46	46	51	50	50	51	49	50
3	46	44	45	47	46	47	50	50	50	51	49	51
4	46	45	45	47	46	47	50	49	50	50	49	50
5	46	45	45	47	46	46	50	49	50	50	49	49
6	46	45	45	47	46	46	50	49	49	50	48	49
7	46	45	46	48	47	45	50	49	49	50	47	48
8	46	45	46	49	47	48	50	49	49	49	47	47
9	46	45	46	49	48	48	50	49	49	47	46	47
10	46	45	45	49	48	49	50	49	49	47	46	47
11	46	45	45	50	48	49	50	49	49	47	45	46
12	46	45	45	50	48	49	50	49	49	46	45	45
13	46	45	45	50	48	49	50	49	49	46	44	45
14	46	44	45	50	49	49	50	49	50	46	44	45
15	46	45	45	50	49	49	50	49	50	46	44	45
16	46	45	45	50	49	49	50	49	50	50	44	46
17	45	44	45	50	49	50	50	49	50	50	45	46
18	45	44	44	50	49	49	50	49	50	46	45	46
19	45	44	45	50	48	49	50	49	50	47	45	46
20	45	44	45	49	49	49	50	49	50	47	45	46
21	45	44	45	50	49	50	50	49	49	46	45	46
22	45	44	45	51	50	50	50	49	49	46	43	45
23	45	44	45	51	50	50	50	49	49	45	43	44
24	45	44	45	51	50	50	50	49	49	45	43	44
25	46	44	45	51	50	50	50	49	49	45	44	45
26	46	45	45	51	50	50	49	49	49	45	44	45
27	46	44	45	51	49	50	52	48	49	47	43	44
28	46	45	45	50	50	50	49	48	49	47	43	44
29	47	45	46	51	50	50	49	48	48	44	42	43
30	---	---	---	51	50	50	49	48	49	43	42	42
31	---	---	---	51	50	50	---	---	---	43	42	42
MONTH	47	44	45	51	46	49	52	48	49	51	42	46

MOBILE RIVER BASIN

02464800 LAKE TUSCALOOSA RESERVOIR NEAR TUSCALOOSA, AL--Continued

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	43	42	42	45	42	43	43	40	42	43	41	42
2	42	41	42	43	41	42	43	42	42	42	41	41
3	43	41	42	43	42	42	43	41	42	42	41	41
4	42	41	42	43	42	42	43	41	42	42	41	42
5	42	41	42	44	41	42	43	40	42	42	41	41
6	42	41	42	46	41	43	42	41	42	42	41	42
7	44	42	42	44	41	42	43	39	41	44	41	42
8	43	41	42	46	42	43	42	40	41	44	41	43
9	46	42	43	44	41	42	42	40	41	44	41	43
10	45	41	42	44	41	42	42	39	40	42	41	42
11	43	41	42	44	42	42	47	39	41	42	41	42
12	43	41	42	47	41	42	48	39	41	42	41	42
13	44	42	42	43	41	42	42	40	41	42	41	42
14	45	41	42	42	41	42	46	41	43	43	41	42
15	48	42	43	43	41	42	43	41	42	43	41	42
16	43	42	42	43	41	42	42	40	41	43	42	42
17	43	41	42	43	42	42	43	39	41	43	42	42
18	44	41	42	43	40	41	46	39	41	43	42	42
19	43	41	42	42	40	41	42	40	41	43	42	42
20	46	41	42	42	41	41	42	40	41	43	42	42
21	45	42	42	45	41	42	42	41	41	43	42	42
22	46	41	43	45	41	42	42	41	42	45	42	43
23	45	42	43	43	41	42	42	40	41	43	42	43
24	45	42	43	42	41	42	42	40	41	43	42	42
25	46	42	43	44	41	42	42	40	41	43	42	42
26	48	42	45	44	41	42	43	40	41	43	42	43
27	45	42	43	43	40	41	43	42	42	43	42	43
28	43	42	42	42	40	41	43	42	42	43	42	43
29	48	42	44	42	40	41	43	42	42	43	42	43
30	46	41	43	44	40	42	43	41	42	43	42	43
31	---	---	---	43	40	42	42	41	41	---	---	---
MONTH	48	41	42	47	40	42	48	39	41	45	41	42
YEAR	56	33	43									

PH (STANDARD UNITS), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

	OCTOBER		NOVEMBER		DECEMBER		JANUARY	
1	6.3	6.1	6.0	5.9	6.1	6.0	5.9	5.8
2	6.3	6.1	6.1	5.9	6.1	6.1	5.8	5.8
3	6.3	6.1	6.0	6.0	6.2	6.1	5.9	5.8
4	6.2	5.9	6.2	5.9	6.2	6.0	5.8	5.8
5	6.2	5.8	6.2	6.0	6.2	6.1	5.9	5.8
6	6.3	6.1	6.1	6.0	6.1	6.0	5.9	5.8
7	6.3	6.1	6.2	6.0	6.1	6.0	5.9	5.8
8	6.3	6.1	6.2	6.1	6.0	5.9	5.9	5.8
9	6.4	6.2	6.2	6.1	6.0	5.9	6.0	5.8
10	6.3	6.2	6.2	6.1	6.0	5.9	6.1	5.9
11	6.2	5.7	6.2	6.1	6.0	5.9	6.1	6.1
12	6.0	5.4	6.2	6.1	6.0	5.8	6.2	6.1
13	6.2	6.0	6.1	6.0	5.9	5.8	6.2	6.1
14	6.1	5.9	6.1	6.0	5.9	5.8	6.3	6.2
15	6.0	5.9	6.2	6.0	6.0	5.7	6.3	6.2
16	6.0	5.9	6.1	6.0	6.0	5.8	6.3	6.3
17	6.0	5.8	6.1	6.0	6.0	5.8	6.4	6.3
18	5.9	5.7	6.1	6.0	5.9	5.8	6.4	6.3
19	5.8	5.7	6.1	6.0	5.9	5.8	6.5	6.4
20	5.8	5.6	6.2	6.0	5.9	5.8	6.6	6.4
21	5.8	5.5	6.1	6.0	5.9	5.8	6.6	6.5
22	5.8	5.4	6.1	6.0	5.9	5.8	6.5	6.5
23	5.8	5.7	6.1	6.0	5.9	5.8	6.4	6.4
24	5.9	5.8	6.2	6.1	5.9	5.8	6.4	6.3
25	5.9	5.8	6.1	6.1	5.9	5.8	6.4	6.3
26	6.0	5.8	6.2	6.1	5.9	5.8	6.3	6.2
27	6.0	5.9	6.1	6.1	5.9	5.9	6.3	6.2
28	6.0	5.9	6.1	6.0	5.9	5.8	6.3	6.2
29	6.0	5.9	6.1	6.1	5.9	5.8	6.2	6.1
30	6.0	5.9	6.1	6.0	5.9	5.8	6.1	6.0
31	6.0	5.9	---	---	5.9	5.8	6.1	6.0
MONTH	6.4	5.4	6.2	5.9	6.2	5.7	6.6	5.8

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PH (STANDARD UNITS), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	6.0	6.0		6.3	6.3		6.1	6.0		6.4	6.2	
2	5.9	5.9		6.3	6.2		6.1	6.0		6.3	6.1	
3	5.9	5.8		6.3	6.2		6.1	5.9		6.3	6.0	
4	5.9	5.8		6.2	6.1		6.1	5.9		6.3	6.0	
5	5.8	5.7		6.4	6.2		6.1	6.0		6.1	6.0	
6	5.7	5.5		6.3	6.1		6.2	6.1		6.0	5.9	
7	5.8	5.7		6.2	5.8		6.2	6.1		6.0	5.9	
8	5.8	5.8		6.1	6.0		6.2	6.0		6.1	6.0	
9	6.0	5.8		6.1	6.0		6.1	6.0		6.2	6.1	
10	6.1	6.0		6.1	6.0		6.1	6.0		6.1	6.0	
11	6.3	6.1		6.1	6.0		6.1	6.0		6.1	5.7	
12	6.4	6.3		6.1	5.8		6.1	6.0		6.0	5.8	
13	6.6	6.4		6.1	5.9		6.1	5.9		6.0	5.9	
14	7.1	6.6		6.0	5.9		6.1	5.9		6.0	5.9	
15	7.4	7.1		6.0	5.9		6.1	6.0		6.1	5.9	
16	7.5	7.3		6.0	5.8		6.1	6.0		6.3	5.8	
17	7.9	7.1		6.0	5.8		6.2	6.0		6.0	5.8	
18	7.3	6.9		5.9	5.8		6.1	6.0		5.9	5.8	
19	7.1	6.9		5.9	5.8		6.2	6.1		5.9	5.8	
20	7.1	7.0		5.9	5.8		6.2	5.9		5.8	5.7	
21	7.0	6.9		6.0	5.9		6.0	5.9		5.8	5.7	
22	6.9	6.8		6.0	6.0		6.1	5.9		5.7	5.6	
23	6.8	6.7		6.1	6.0		6.2	6.0		6.0	5.7	
24	6.7	6.5		6.0	5.9		6.2	6.0		5.9	5.7	
25	6.7	6.5		6.1	6.0		6.2	6.0		5.8	5.6	
26	6.6	6.2		6.1	6.0		6.3	6.1		5.8	5.7	
27	6.3	6.1		6.0	5.9		6.4	6.0		5.8	5.7	
28	6.4	6.3		6.1	5.9		6.3	6.1		5.8	5.7	
29	6.4	6.3		6.1	6.0		6.3	6.0		6.3	5.7	
30	---	---		6.1	6.0		6.4	6.1		6.1	6.1	
31	---	---		6.1	6.0		---	---		6.1	6.0	
MONTH	7.9	5.5		6.4	5.8		6.4	5.9		6.4	5.6	
	JUNE			JULY			AUGUST			SEPTEMBER		
1	6.1	6.0		6.1	5.7		6.4	6.0		6.7	6.2	
2	6.1	5.9		6.2	5.7		6.1	5.8		6.5	6.3	
3	6.1	5.9		6.0	5.7		6.0	5.8		6.7	6.4	
4	6.0	5.9		6.0	5.6		6.0	6.0		6.7	6.5	
5	6.0	5.8		6.3	5.7		6.1	5.9		6.7	6.6	
6	5.9	5.8		6.2	5.7		6.1	5.9		6.7	6.4	
7	5.9	5.7		6.4	5.9		6.3	6.0		6.6	6.0	
8	5.9	5.5		6.4	5.8		6.3	6.0		6.5	6.0	
9	5.9	5.6		6.3	6.1		6.3	6.0		6.5	6.0	
10	6.0	5.8		6.4	6.1		6.4	6.1		6.6	6.3	
11	6.1	5.8		6.5	6.0		6.4	6.1		6.7	6.3	
12	6.2	5.7		6.6	5.9		6.4	6.2		6.5	6.3	
13	6.0	5.7		6.5	6.1		6.4	6.1		6.4	6.2	
14	6.3	5.8		6.3	6.1		6.2	6.0		6.4	6.2	
15	6.3	5.7		6.5	6.1		6.1	6.0		6.7	6.2	
16	5.9	5.7		6.7	6.1		6.2	6.0		6.6	6.3	
17	5.9	5.7		6.3	6.0		6.4	6.1		6.5	6.3	
18	6.2	5.8		6.8	6.0		6.3	6.1		6.3	6.2	
19	6.5	5.6		6.6	6.2		6.4	6.0		6.3	6.1	
20	6.1	5.6		6.6	6.2		6.3	6.1		6.2	6.0	
21	6.0	5.6		6.6	6.2		6.2	6.1		6.1	5.9	
22	6.0	5.5		6.7	6.2		6.2	6.0		6.0	5.5	
23	6.2	5.6		6.3	5.8		6.6	6.1		5.9	5.8	
24	6.5	5.8		6.4	6.0		6.7	6.3		5.9	5.7	
25	6.7	6.0		6.4	6.1		6.6	6.3		6.0	5.8	
26	6.5	6.0		6.4	6.2		6.5	6.1		6.1	5.8	
27	6.2	5.9		6.5	6.0		6.2	6.0		6.1	5.9	
28	6.3	5.8		6.5	6.2		6.2	6.1		6.1	5.8	
29	6.3	5.8		6.6	6.2		6.1	6.1		6.1	5.9	
30	6.2	5.8		6.5	6.1		6.4	6.1		6.0	5.8	
31	---	---		6.4	6.1		6.5	6.3		---	---	
MONTH	6.7	5.5		6.8	5.6		6.7	5.8		6.7	5.5	
YEAR	7.9	5.4										

MOBILE RIVER BASIN

02464800 LAKE TUSCALOOSA RESERVOIR NEAR TUSCALOOSA, AL--Continued

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

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

02464800 LAKE TUSCALOOSA RESERVOIR NEAR TUSCALOOSA, AL--Continued

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	27.0	26.5	27.0	29.0	24.5	26.5	28.5	25.0	26.5	32.0	29.5	30.5
2	27.0	26.5	26.5	29.0	25.5	27.0	26.0	24.0	25.0	30.5	29.5	30.0
3	27.0	26.0	26.5	27.0	26.0	26.5	26.5	24.0	25.0	31.5	30.0	30.5
4	28.0	25.0	26.5	28.0	25.0	26.5	27.0	25.5	26.5	31.0	30.0	30.5
5	26.5	25.5	25.5	29.5	26.0	27.0	28.0	26.0	27.0	30.0	29.5	30.0
6	27.0	25.0	26.0	29.5	26.5	28.5	27.5	26.5	27.0	30.0	29.0	29.5
7	26.5	25.0	26.0	34.0	27.5	29.5	29.0	27.0	27.5	29.0	26.0	28.0
8	32.0	25.0	28.0	33.0	26.0	30.5	28.5	27.0	28.0	27.5	25.0	26.5
9	32.5	30.5	32.0	30.0	27.5	29.5	28.5	27.5	28.0	26.5	25.0	26.0
10	32.5	31.5	32.0	30.5	27.5	28.5	29.0	28.0	28.5	27.0	25.5	26.0
11	33.0	30.5	32.0	30.0	26.5	28.5	30.0	28.0	29.0	27.0	25.0	25.5
12	33.5	28.5	32.0	30.0	24.0	28.0	29.5	28.0	29.0	26.0	25.0	25.5
13	32.0	30.0	31.0	28.5	25.0	27.0	29.0	28.0	28.5	25.5	24.5	25.0
14	34.5	30.5	32.5	27.0	25.0	26.0	28.5	27.0	27.5	24.5	24.0	24.0
15	34.0	30.5	32.0	28.5	25.5	26.5	28.5	27.0	27.5	25.5	23.5	24.5
16	32.0	29.5	30.5	31.0	25.0	27.0	29.5	27.5	28.5	24.5	23.0	23.5
17	31.5	29.0	30.5	26.5	23.5	25.0	31.5	28.5	30.0	25.5	22.5	24.0
18	32.5	28.5	31.0	30.5	24.5	28.5	31.0	29.0	30.5	25.0	21.5	23.0
19	35.5	27.5	30.0	30.5	28.5	29.5	31.5	29.5	30.0	23.0	19.5	21.0
20	32.5	28.0	29.5	30.5	28.5	29.5	30.5	28.5	30.0	24.0	19.0	22.0
21	30.5	27.5	30.0	30.5	27.5	29.0	29.5	27.5	28.5	23.5	19.5	21.5
22	31.5	25.0	28.0	32.0	28.0	30.0	29.0	28.0	28.5	22.5	16.0	21.0
23	29.5	24.0	26.0	29.5	23.5	26.0	31.5	29.0	30.5	23.5	20.5	21.0
24	30.5	26.5	28.0	28.0	25.5	26.5	32.0	30.5	31.0	22.5	19.0	20.0
25	36.0	28.0	32.5	28.5	26.0	27.5	31.5	30.0	30.5	22.0	17.5	20.0
26	34.5	28.0	31.0	29.5	27.0	28.5	30.5	29.0	30.0	22.0	16.0	20.0
27	29.5	27.0	28.0	32.0	28.0	30.5	29.5	28.0	28.5	21.5	16.5	20.0
28	34.5	26.0	28.5	32.0	29.5	31.0	29.0	27.5	28.0	26.0	20.0	22.0
29	34.5	27.0	30.0	31.5	30.0	31.0	28.5	27.0	28.0	25.0	18.5	21.0
30	31.5	26.5	29.0	30.5	27.0	29.0	29.5	28.0	29.0	27.0	11.5	20.5
31	---	---	---	29.0	26.0	27.5	31.0	29.5	30.0	---	---	---
MONTH	36.0	24.0	29.5	34.0	23.5	28.0	32.0	24.0	28.5	32.0	11.5	24.5
YEAR	36.0	6.5	19.0									

OXYGEN, DISSOLVED (DO), MG/L, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	7.3	6.2	6.9	8.4	7.6	8.0	7.6	6.6	7.2	10.1	8.4	9.3
2	7.4	6.3	6.9	8.4	7.6	8.1	7.4	6.2	6.9	10.1	8.8	9.5
3	7.6	6.5	7.4	8.8	8.0	8.4	7.9	5.8	6.8	10.2	8.9	9.5
4	7.6	6.2	7.0	9.1	7.6	8.4	7.8	5.5	6.8	10.1	8.9	9.5
5	7.8	5.9	7.1	9.1	7.7	8.4	8.2	7.2	7.7	10.1	9.0	9.5
6	8.0	7.6	7.8	8.7	7.8	8.3	8.3	7.3	7.9	10.3	8.1	9.4
7	8.0	7.2	7.7	8.8	7.8	8.2	8.2	7.6	8.0	10.1	7.9	9.4
8	7.6	7.0	7.3	8.2	7.7	8.0	8.1	7.8	7.9	10.0	9.1	9.6
9	8.1	7.0	7.4	8.2	7.6	7.9	8.0	7.7	7.9	10.2	9.1	9.8
10	7.9	7.2	7.4	8.2	7.3	8.0	8.0	7.7	7.8	10.6	9.5	10.1
11	7.6	5.0	6.8	8.1	7.8	8.0	7.9	7.7	7.8	10.7	9.8	10.5
12	6.7	4.8	4.9	8.1	7.1	7.8	8.2	7.6	7.9	10.5	10.2	10.4
13	7.3	5.9	6.6	7.8	7.3	7.6	8.0	7.7	7.8	10.4	9.8	10.1
14	7.5	6.2	6.9	7.7	7.3	7.5	7.9	7.6	7.8	10.3	9.7	10.1
15	7.1	5.9	6.6	7.9	7.0	7.6	8.0	6.8	7.5	10.2	9.6	10.0
16	7.1	5.9	6.6	8.1	7.5	7.8	7.8	6.5	7.2	10.1	9.5	9.7
17	7.2	5.8	6.5	7.9	7.5	7.7	7.8	6.4	7.2	10.1	9.3	9.7
18	7.1	6.0	6.7	8.0	7.1	7.7	8.1	6.7	7.4	10.1	9.0	9.7
19	7.2	6.0	6.6	7.8	6.1	7.4	8.1	7.3	7.6	10.2	8.8	9.8
20	7.0	5.9	6.6	7.9	6.6	7.4	8.2	6.6	7.6	10.2	8.5	9.6
21	7.1	5.5	6.5	7.5	6.9	7.3	8.1	7.1	7.5	10.6	8.9	9.5
22	7.2	5.1	4.5	7.5	6.9	7.2	8.2	7.3	7.7	9.6	8.9	9.3
23	7.3	5.4	6.7	7.5	6.9	7.2	8.2	7.4	7.7	9.8	8.9	9.3
24	7.5	6.9	7.2	7.7	6.7	7.4	8.7	7.7	8.3	9.7	8.6	9.2
25	7.7	7.1	7.5	7.7	6.4	7.3	8.9	8.0	8.5	10.0	8.6	9.5
26	7.9	6.0	7.4	7.5	6.3	7.0	9.1	7.8	8.6	9.9	8.9	9.5
27	8.1	7.4	7.7	7.2	5.6	7.0	9.2	8.0	8.8	10.3	8.6	9.6
28	8.2	7.3	7.7	7.5	6.4	7.1	9.3	8.2	8.8	9.9	9.3	9.6
29	8.1	7.3	7.7	7.6	6.6	7.1	9.6	8.7	9.1	9.9	9.0	9.4
30	8.0	7.3	7.7	7.4	6.2	7.1	9.8	8.8	9.2	10.8	9.2	10.0
31	8.2	7.5	7.9	---	---	---	9.7	8.9	9.3	11.6	9.6	10.2
MONTH	8.2	4.8	7.0	9.1	5.6	7.7	9.8	5.5	7.9	11.6	7.9	9.7

02464800 LAKE TUSCALOOSA RESERVOIR NEAR TUSCALOOSA, AL--Continued

OXYGEN, DISSOLVED (DO), MG/L, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	10.3	9.4	9.9	10.4	9.8	10.1	8.7	7.9	8.5	8.3	8.0	8.2
2	10.4	9.4	10.0	10.4	9.8	10.2	8.2	7.8	8.0	8.2	7.6	7.8
3	10.6	9.2	9.9	10.4	9.9	10.1	7.8	7.2	7.4	8.1	7.5	7.7
4	10.6	9.7	10.2	10.1	9.9	10.0	7.2	6.9	7.1	8.3	7.6	8.1
5	11.6	9.9	10.5	10.3	9.1	10.0	10.0	6.5	8.1	8.0	7.4	7.7
6	11.3	10.4	10.7	10.3	8.4	9.8	9.8	9.5	9.7	7.4	7.2	7.3
7	11.0	10.5	10.7	9.8	7.1	8.6	9.6	9.5	9.6	7.6	7.1	7.3
8	10.9	10.3	10.6	8.5	7.7	7.9	9.5	9.3	9.4	8.1	7.4	7.9
9	11.0	10.2	10.6	8.9	7.5	8.0	9.5	9.3	9.4	8.2	8.0	8.1
10	10.9	10.2	10.5	8.7	7.5	7.9	9.5	9.2	9.4	8.1	7.9	8.0
11	10.8	10.3	10.5	8.4	7.5	7.7	9.4	9.2	9.3	8.0	7.8	7.8
12	10.8	10.1	10.5	8.5	7.6	8.1	9.3	9.2	9.3	7.8	7.6	7.7
13	11.0	9.3	10.6	8.4	7.5	7.9	9.3	9.1	9.2	7.5	7.2	7.4
14	11.1	9.9	10.7	8.4	7.5	7.9	9.3	9.0	9.2	7.3	6.8	7.1
15	11.1	10.4	10.8	8.5	7.5	8.0	9.4	9.1	9.2	7.3	5.9	6.9
16	11.0	10.2	10.7	10.5	7.7	9.1	9.3	9.1	9.2	7.5	5.0	6.7
17	10.9	8.9	10.5	10.5	10.1	10.3	9.3	9.2	9.3	6.6	5.3	6.1
18	10.5	9.8	10.3	10.4	10.1	10.3	9.2	9.1	9.2	6.1	5.9	6.0
19	10.4	9.5	10.2	10.3	10.1	10.2	9.2	9.0	9.2	5.8	5.3	5.6
20	10.5	8.6	10.2	10.2	10.1	10.1	9.2	8.8	9.0	5.4	4.9	5.1
21	10.7	9.7	10.4	10.1	10.0	10.1	8.9	8.8	8.9	5.0	4.7	4.8
22	10.7	9.7	10.3	10.0	10.0	10.0	9.0	8.8	8.9	4.6	4.3	4.5
23	10.6	10.0	10.4	10.0	9.9	9.9	9.1	8.9	9.0	5.8	4.3	4.9
24	10.5	9.7	10.3	9.9	9.8	9.9	9.1	8.4	8.9	5.2	4.3	4.7
25	10.6	9.7	10.3	9.9	9.7	9.8	8.7	8.2	8.6	4.2	3.6	3.9
26	10.4	9.9	10.2	9.8	9.5	9.7	8.6	8.4	8.5	4.4	3.5	3.8
27	10.2	9.0	9.9	9.8	9.5	9.7	8.7	7.8	8.3	4.1	3.0	3.6
28	10.4	9.8	10.2	9.7	9.3	9.5	8.5	8.0	8.2	3.9	3.1	3.4
29	10.4	9.6	10.2	9.3	9.2	9.3	8.2	7.9	8.0	8.6	3.2	6.9
30	---	---	---	9.2	8.9	9.1	8.4	7.9	8.1	10.8	8.3	9.5
31	---	---	---	9.0	8.6	8.8	---	---	---	11.2	10.5	10.8
MONTH	11.6	8.6	10.4	10.5	7.1	9.3	10.0	6.5	8.8	11.2	3.0	6.6
	JUNE			JULY			AUGUST			SEPTEMBER		
1	10.3	9.4	9.9	7.8	5.2	6.3	10.3	7.6	8.8	6.4	6.1	6.3
2	9.7	9.0	9.3	8.1	5.4	7.0	10.2	6.6	8.2	6.2	6.0	6.1
3	9.9	8.6	9.1	7.6	6.0	6.9	8.7	6.8	7.8	6.0	5.9	6.0
4	9.6	8.1	8.8	8.1	5.3	6.8	8.7	7.6	8.3	5.9	5.6	5.8
5	9.7	8.5	9.0	8.9	6.2	7.8	9.0	7.8	8.5	5.7	5.4	5.5
6	9.5	8.4	8.9	8.8	6.8	8.0	9.0	8.2	8.6	5.4	5.2	5.3
7	9.3	7.5	8.4	10.2	7.5	8.9	9.5	8.3	8.9	5.4	3.9	4.9
8	8.1	6.7	7.2	9.7	5.8	8.8	10.1	8.4	9.4	5.9	2.7	4.6
9	9.2	7.3	8.4	10.1	8.0	9.2	10.1	8.6	9.5	6.0	3.5	5.1
10	10.5	8.4	9.6	10.3	8.1	9.3	10.2	9.2	9.7	5.8	5.6	5.7
11	11.3	9.6	10.6	10.0	7.8	8.9	10.1	8.2	9.6	5.9	5.8	5.8
12	11.7	8.4	10.5	10.3	6.3	8.6	10.2	8.1	9.5	6.0	5.8	5.9
13	11.4	9.2	10.0	9.9	8.2	9.1	10.5	9.5	10.0	6.1	5.9	6.0
14	11.3	7.2	10.4	9.2	7.7	8.7	10.7	9.2	10.0	6.2	6.0	6.1
15	9.8	6.1	8.1	9.5	7.2	8.6	11.1	9.6	10.6	6.6	6.2	6.5
16	7.4	5.5	6.3	9.5	7.5	8.6	11.2	10.2	10.8	8.0	6.6	6.7
17	6.2	5.4	5.9	9.3	6.9	8.3	10.9	9.5	10.4	6.9	6.8	6.8
18	7.3	5.0	5.8	8.8	7.6	8.2	10.3	9.3	9.9	7.0	6.9	7.0
19	6.7	4.4	5.7	8.9	7.6	8.1	10.2	9.4	9.8	7.1	7.0	7.0
20	6.8	4.6	6.1	9.1	7.4	8.1	10.0	9.2	9.5	7.2	7.0	7.1
21	7.7	4.7	5.9	8.6	7.4	7.9	9.5	8.0	8.7	7.3	7.2	7.2
22	7.8	4.5	5.8	8.5	6.8	7.9	8.2	7.2	7.7	8.2	5.1	6.7
23	7.3	4.4	5.0	9.3	5.1	7.7	7.7	7.3	7.5	8.2	7.6	7.9
24	7.8	5.1	6.5	9.6	7.7	8.9	7.9	7.2	7.6	8.0	7.5	7.7
25	7.5	5.8	6.9	10.1	8.2	9.4	8.1	7.5	7.9	7.7	7.5	7.6
26	7.4	4.8	6.1	9.8	8.1	9.2	8.1	7.2	7.6	7.7	7.5	7.6
27	7.4	5.8	6.7	9.8	7.9	8.4	7.4	7.0	7.2	7.6	7.5	7.6
28	7.6	5.6	6.8	9.2	7.6	8.0	7.2	6.8	7.1	7.8	7.5	7.7
29	7.4	5.9	6.6	8.6	7.7	8.1	7.2	6.6	6.9	7.9	7.6	7.7
30	7.9	5.6	7.1	9.9	6.9	8.3	6.6	6.4	6.5	7.8	7.6	7.7
31	---	---	---	9.3	7.9	8.8	6.6	6.3	6.4	---	---	---
MONTH	11.7	4.4	7.7	10.3	5.1	8.3	11.2	6.3	8.7	8.2	2.7	6.5
YEAR	11.7	2.7	8.2									

02465000 BLACK WARRIOR RIVER AT NORTHPORT, AL

LOCATION.--Lat 33°12'51", long 87°34'50", in NE¼ sec. 21, T. 21 S., R. 10 W., Tuscaloosa County, Hydrologic Unit 03160112, attached to loading dock at Alabama State Dock Facility, at Northport 0.2 mi downstream from Gulf, Mobile & Ohio Railroad bridge, 0.35 mi upstream from Oliver lock and dam, 0.9 mi downstream from Two Mile Creek, 5.2 mi downstream from North River, and at mile 126.6.

DRAINAGE AREA.--4,820 mi² (revised).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--January 1889 to September 1894 (gage heights only), October 1894 to December 1902, January 1903 to December 1905 (gage heights and discharge measurements only), August 1928 to current year. Monthly discharge only for period October to December 1894, published in WSP 1304.

REVISED RECORDS.--WSP 1002: 1940-43. WSP 1384: Drainage area. WSP 1624: 1900.

GAGE.--Water-stage recorder. Datum of gage is 83.35 ft National Geodetic Vertical Datum of 1929. See WSP 2106 for history of changes prior to Mar. 19, 1951. Mar. 20, 1951 to Feb. 13, 1974, water-stage recorder 0.35 mi upstream on pier of former bridge at present datum. Feb. 14, 1974 to Aug. 7, 1974 nonrecording gage at site 0.35 mi downstream at datum 1.08 ft lower. Subsequent to Apr. 19, 1944, auxiliary water-stage recorder, and Aug. 29, 1939, to Apr. 18, 1944, auxiliary nonrecording gage, 500 ft downstream from Oliver lock and dam at datum 1.08 ft lower.

REMARKS.--Water-discharge records good above 6,000 ft³/s and poor below. Some regulation by Lewis Smith Reservoir on Sipsey Fork (station 02451950), by Bankhead lock and dam on Black Warrior River, usable capacity, 112,000 acre-ft, Holt lock and dam on Black Warrior River, usable capacity 115,000 acre-ft, and occasionally during periods of low flow by Oliver lock and dam downstream from gage. National Weather Service rain gage and gage height telemeters at station.

AVERAGE DISCHARGE.--64 years (water years 1895-1902, 1929-84) 8,078 ft³/s, 22.76 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 272,000 ft³/s Apr. 13, 1979; maximum gage height, 67.7 ft Apr. 18, 1900; minimum daily discharge, 37 ft³/s Oct. 23, 1953.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 271,000 ft³/s Dec. 3, maximum gage height, 59.31 ft Dec. 4; minimum daily, 137 ft³/s Oct. 1.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1	137	671	6970	20300	12100	12800	14900	25900	6940	977	5060	3230	
2	237	643	6100	17800	11600	12700	12800	21500	2870	2660	4410	964	
3	298	553	208000	12200	11900	10600	27800	42900	2510	4040	4170	2890	
4	248	449	133000	13800	9880	6310	35200	58200	3690	660	4760	786	
5	335	396	42100	10400	11700	16500	30800	43200	4200	3470	3690	2350	
6	306	649	64800	12600	5440	28800	24500	23800	3520	3250	3080	3310	
7	779	503	37700	11800	2900	18500	20400	20200	1980	3080	3730	2860	
8	245	497	30200	11900	3560	15500	18200	24600	2710	1090	3970	1940	
9	214	412	26700	8910	2900	13400	24700	28900	2890	3590	3900	718	
10	640	506	24400	12100	10800	10500	19900	19900	939	3650	4110	559	
11	3750	589	2400	26500	12700	8450	17100	18600	3470	2960	2800	713	
12	734	516	4300	20700	13000	8490	12700	15500	3040	4060	923	2080	
13	4220	600	20000	14800	18600	5720	11800	12600	3700	3700	2900	2630	
14	683	1260	20600	14300	16300	8350	8230	13400	3110	3560	2870	3000	
15	932	1990	18900	12200	13200	5750	4890	12300	2020	1680	4300	969	
16	778	713	16700	12100	13000	4560	7460	11500	563	4080	3020	730	
17	932	872	14500	10000	12500	5480	6890	10800	761	2800	3520	1510	
18	717	697	14000	12600	12300	3110	5290	9090	4080	4000	2840	2770	
19	440	693	14100	16600	12100	7540	6940	7660	4800	3050	880	523	
20	458	7800	12500	12900	9960	8420	12300	6560	1340	3460	3660	639	
21	1790	2670	9340	12300	9270	8340	15200	6620	1780	941	3740	1000	
22	1390	5230	14200	12200	9220	9440	13000	11500	2850	892	2640	697	
23	591	8000	12700	12000	8560	8980	13600	7000	2940	3030	3220	691	
24	442	28900	12500	18600	8810	8560	12300	6090	5850	3100	2590	917	
25	844	48000	12500	20000	8160	4540	12200	5560	2890	2850	884	537	
26	394	44200	11800	16200	3840	8600	10700	3450	2970	3200	527	731	
27	388	40500	12400	13900	15300	10400	37300	4220	2790	3310	2620	632	
28	475	38500	66100	12700	19200	15300	45400	9820	2920	1240	2480	742	
29	426	26900	68300	12200	15200	32000	58200	11400	3100	1820	894	638	
30	669	14000	48000	12200	---	20300	35700	8520	2130	3190	3150	343	
31	996	---	25100	12400	---	15100	---	9060	---	3910	3290	---	
TOTAL	25488	277909	1010910	439210	314000	353040	576400	510350	89353	87300	94628	42099	
MEAN	822	9264	32610	14170	10830	11390	19210	16460	2978	2816	3053	1403	
MAX	4220	48000	208000	26500	19200	32000	58200	58200	6940	4080	5060	3310	
MIN	137	396	2400	8910	2900	3110	4890	3450	563	660	527	343	
CFSM	.17	1.92	6.77	2.94	2.25	2.36	3.99	3.41	.62	.58	.63	.29	
IN.	.20	2.14	7.80	3.39	2.42	2.72	4.45	3.94	.69	.67	.73	.32	
CAL YR 1983	TOTAL	5032873		MEAN	13790	MAX	208000	MIN	93	CFSM	2.86	IN.	38.84
WTR YR 1984	TOTAL	3820687		MEAN	10440	MAX	208000	MIN	137	CFSM	2.17	IN.	29.49

MOBILE RIVER BASIN

02465000 BLACK WARRIOR RIVER AT NORTHPORT, AL--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD:--

SUSPENDED SEDIMENT: October 1978 to current year.

SUSPENDED-SEDIMENT, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAM- FLOW INSTAN- TANEOUS (CFS)	SEDI- MENT SUS- PENDED (MG/L)	SEDI- MENT DIS- CHARGE SUS- PENDED (T/DAY)
NOV 28...	1420	40,500	42	4,590
DEC 03...	1015	225,000	1,080	656,000
03...	1055	210,000	967	548,000
APR 27...	0915	64,500	100	17,400

02465005 BLACK WARRIOR RIVER BELOW OLIVER LOCK AND DAM AT TUSCALOOSA, AL

LOCATION.--Lat 33°12'33", long 87°35'18", in NW¼ sec. 21, T. 21 S., R. 10 W., Tuscaloosa County, Hydrologic Unit 03160112, on downstream side of lock at Tuscaloosa, 0.7 mi upstream from Mill Creek, 0.7 mi downstream from Gulf, Mobile & Ohio Railroad bridge, and at mile 126.1.

DRAINAGE AREA.--4,821 mi² (revised).

PERIOD OF RECORD.--August 1939 to current year (gage heights only). October 1971 to current year in reports of Geological Survey. August 1939 to September 1971 in files of Corps of Engineers.

GAGE.--Water-stage recorder. Datum of gage is 82.3 ft National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to Apr. 19, 1944, nonrecording gage at same site and datum.

EXTREMES (0700) FOR PERIOD OF RECORD.--Maximum gage height, 66.7 ft Feb. 22, 1961; minimum, 10.0 ft many days in October and November 1953, September 1954, and 1955.

EXTREMES (0700) FOR CURRENT YEAR.--Maximum gage height, 60.80 ft Dec. 4; minimum, 12.29 ft Oct. 6.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
INSTANTANEOUS OBSERVATIONS AT 0700

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12.54	13.08	20.19	34.34	21.90	22.87	23.44	35.35	17.00	13.91	14.65	14.18
2	12.43	12.97	16.82	29.63	21.79	22.22	22.56	30.55	15.46	13.82	14.75	14.19
3	12.38	12.89	49.97	24.64	21.76	22.13	24.33	30.04	14.46	14.00	14.59	13.77
4	12.34	12.97	60.80	23.74	19.32	17.67	35.37	45.07	14.15	14.47	14.86	14.13
5	12.41	12.74	54.10	23.29	21.29	20.54	35.23	43.69	14.54	13.68	15.03	13.70
6	12.29	12.64	50.70	22.30	21.38	30.85	32.71	37.92	14.64	14.30	14.54	13.72
7	12.45	12.66	46.50	22.13	14.81	28.41	29.83	31.94	14.31	14.08	14.06	14.14
8	12.36	12.57	39.70	21.88	15.07	26.33	25.30	31.04	13.78	14.97	14.22	13.87
9	12.36	12.51	36.20	21.77	14.28	23.58	26.43	30.92	14.14	13.68	14.97	13.73
10	12.40	12.58	34.20	20.68	18.87	22.25	28.95	28.52	14.14	14.22	14.63	13.72
11	18.82	12.40	26.90	26.42	21.52	17.44	27.78	26.99	13.64	14.36	14.51	13.70
12	13.50	12.36	20.80	29.79	22.32	17.49	23.31	23.72	14.16	13.87	13.88	13.71
13	13.66	12.48	23.37	25.93	25.13	18.81	22.17	23.72	14.13	14.47	13.74	13.83
14	14.80	12.40	28.09	25.14	24.19	16.43	18.49	22.06	14.43	14.73	14.12	13.86
15	13.91	13.02	27.23	22.63	23.61	17.09	17.23	22.40	14.32	14.50	14.05	14.17
16	13.67	13.51	25.21	22.04	22.77	15.68	16.58	21.36	13.72	13.71	14.34	13.71
17	13.79	13.44	24.27	20.28	22.20	15.11	16.86	20.50	13.75	14.52	14.01	13.70
18	13.73	13.48	24.01	21.63	22.01	15.34	16.33	18.39	13.70	14.08	14.13	13.75
19	13.48	13.43	23.38	26.74	21.86	14.92	15.54	17.17	14.84	14.34	14.00	13.75
20	13.49	16.97	22.89	23.57	19.94	16.71	17.27	16.72	15.27	14.00	13.70	13.70
21	13.30	15.30	19.64	22.56	18.99	17.23	23.97	16.14	13.69	14.16	14.24	13.71
22	14.10	14.41	22.09	22.19	18.33	18.18	22.77	20.00	13.80	13.70	14.09	13.71
23	13.47	15.12	23.13	22.00	17.75	18.11	23.14	17.18	14.00	13.72	13.78	13.72
24	13.45	21.68	22.97	23.23	17.80	17.54	22.15	16.45	14.22	14.10	14.11	13.71
25	13.94	19.58	22.16	27.95	17.25	17.64	21.69	15.62	14.95	13.97	13.77	13.70
26	13.46	14.54	22.16	26.46	16.96	15.76	20.41	15.32	14.35	14.18	13.70	13.70
27	13.21	15.32	21.61	24.54	19.77	19.27	26.07	14.49	14.10	13.98	13.75	13.70
28	13.13	30.82	35.87	23.16	20.01	21.11	34.51	18.30	14.19	14.33	13.90	13.70
29	13.03	32.82	48.57	22.44	20.01	29.83	45.65	19.95	14.22	13.70	13.89	13.70
30	13.00	26.47	47.05	22.26	---	29.95	41.66	17.81	14.50	14.23	13.69	13.70
31	13.05	---	38.76	22.26	---	25.93	---	17.81	---	14.35	14.41	---
MEAN	13.35	15.57	31.59	24.12	20.10	20.40	25.26	24.10	14.35	14.13	14.20	13.80
MAX	18.82	32.82	60.80	34.34	25.13	30.85	45.65	45.07	17.00	14.97	15.03	14.19
MIN	12.29	12.36	16.82	20.28	14.28	14.92	15.54	14.49	13.64	13.68	13.69	13.70
CAL YR 1983	MEAN	21.00	MAX	60.80	MIN	12.29						
WTR YR 1984	MEAN	19.27	MAX	60.80	MIN	12.29						

MOBILE RIVER BASIN

02465493 ELLIOTTS CREEK AT MOUNDVILLE, AL

LOCATION.--Lat 32°59'50", long 87°37'20", in W $\frac{1}{2}$ sec. 6, T. 23 N., R. 5 E., Hale County, Hydrologic Unit 03160113, on downstream side of bridge on State Highway 69 at Moundville, 2.5 mi above Southern Railway bridge, and 6.6 mi upstream from mouth.

DRAINAGE AREA.--32.3 mi² (revised).

PERIOD OF RECORD.--October 1976 to current year.

GAGE.--Water-stage recorder. Datum of gage is 147.81 ft National Geodetic Vertical Datum of 1929.

REMARKS.--Records good. Records of specific conductance and water temperature for the water year 1984 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--8 years, 48.0 ft³/s, 20.18 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,600 ft³/s Apr. 13, 1979, gage height, 7.40 ft; minimum, 10 ft³/s July 24, 1981.

EXTREMES FOR CURRENT YEAR.-- Peak discharges above base of 450 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec. 7	0100	483	6.26	July 13	2000	559	6.34
Dec. 29	0130	*677	*6.43				

Minimum discharge, 15 ft³/s Sept. 18.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	21	23	36	71	39	50	43	52	24	22	29	18
2	21	23	33	63	38	46	41	55	23	21	45	17
3	20	23	40	58	41	43	147	133	22	21	43	17
4	20	24	74	53	43	41	193	170	20	20	45	20
5	21	26	86	51	39	92	105	87	20	19	56	20
6	20	25	317	48	35	127	74	63	20	23	44	18
7	20	24	281	44	33	74	62	53	19	29	33	17
8	20	24	94	41	33	57	74	100	19	53	29	17
9	21	24	67	39	33	50	180	85	19	37	27	17
10	22	24	56	69	50	46	157	53	19	25	27	18
11	24	23	65	77	84	44	92	44	19	22	29	24
12	24	23	73	53	69	42	74	39	19	21	28	34
13	47	24	58	44	80	42	65	35	21	115	25	24
14	38	27	55	41	67	40	61	33	19	119	27	20
15	25	48	55	43	50	38	56	31	21	38	32	19
16	24	46	43	45	47	38	50	29	22	32	26	17
17	23	29	38	42	45	41	47	27	21	28	24	17
18	23	26	36	73	41	44	45	25	20	27	22	17
19	23	26	34	89	41	39	73	25	18	26	21	18
20	22	76	33	62	43	51	142	25	18	23	22	17
21	22	64	35	49	40	58	106	25	17	22	21	17
22	24	35	66	45	41	43	94	32	18	22	20	17
23	31	78	61	46	46	36	79	35	33	21	20	17
24	30	135	40	90	40	41	56	30	60	21	19	17
25	25	79	37	91	36	58	48	25	34	22	18	17
26	24	39	37	71	34	49	43	24	25	21	18	17
27	23	67	48	57	103	41	43	22	21	27	18	17
28	23	120	271	51	104	89	64	28	20	39	19	17
29	22	82	355	47	60	90	93	49	21	31	19	18
30	22	43	110	45	---	62	68	56	22	26	18	18
31	23	---	75	41	---	48	---	30	---	29	18	---
TOTAL	748	1330	2709	1739	1455	1660	2475	1520	674	1002	842	558
MEAN	24.1	44.3	87.4	56.1	50.2	53.5	82.5	49.0	22.5	32.3	27.2	18.6
MAX	47	135	355	91	104	127	193	170	60	119	56	34
MIN	20	23	33	39	33	36	41	22	17	19	18	17
CFSM	.75	1.37	2.71	1.74	1.55	1.66	2.55	1.52	.70	1.00	.84	.58
IN.	.86	1.53	3.12	2.00	1.68	1.91	2.85	1.75	.78	1.15	.97	.64
CAL YR 1983	TOTAL	26199	MEAN	71.8	MAX	971	MIN	20	CFSM	2.22	IN.	30.17
WTR YR 1984	TOTAL	16712	MEAN	45.7	MAX	355	MIN	17	CFSM	1.41	IN.	19.25

02466030 BLACK WARRIOR RIVER AT WARRIOR LOCK AND DAM, NEAR EUTAW, AL

LOCATION.--Lat 32°46'40", long 87°50'26", in SE¼ sec. 24, T. 21 N., R. 2 E., Hale County, Hydrologic Unit 03160113, on left bank at dam, 1.2 mi upstream from White Creek, 5.0 mi southeast of Eutaw, and at mile 49.6.

DRAINAGE AREA.--5,810 mi² (revised).

PERIOD OF RECORD.--October 1976 to current year.

GAGE.--Water-stage recorder. Datum of gage is 50.00 ft National Geodetic Vertical Datum of 1929 (levels by Corps. of Engineers).

REMARKS.--Records fair. Some regulation by Lewis Smith Reservoir on Sipsey Fork (station 02451950), by Bankhead lock and dam on Black Warrior River, usable capacity, 112,000 acre-ft, Holt lock and dam on Black Warrior River, usable capacity, 115,000 acre-ft, and lock and dam at gage.

AVERAGE DISCHARGE.--8 years, 10,710 ft³/s, 25.07 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 222,000 ft³/s Apr. 16, 1979; maximum gage height, 58.87 ft Apr. 16, 1979; minimum daily discharge, 317 ft³/s Sept. 24, 1982.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 95,500 ft³/s Dec. 7; maximum gage height, 54.35 ft Dec. 7; minimum daily, 763 ft³/s Oct. 1.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	763	1100	16100	46800	12300	15800	17300	34500	8670	1890	4900	2660
2	809	1080	8270	28200	12800	14700	15700	33200	6200	1380	5630	3060
3	887	1030	24000	21600	12700	13200	19200	30700	3980	3880	5160	1120
4	868	1110	47500	15800	11200	9900	29500	36100	3180	3920	4930	3680
5	867	1030	74800	15100	11200	12800	33600	34600	4480	1290	5860	1090
6	866	1010	92300	11100	11700	21800	32700	46700	4270	3840	4500	1660
7	884	1090	95500	12900	5470	26400	28300	38800	14700	3280	3830	4060
8	870	1020	87500	11900	4270	21400	22100	28300	6660	4510	4120	2160
9	869	1050	72900	11900	4860	17200	24000	27300	3490	1790	4310	1580
10	917	1050	57500	11000	7000	14700	26700	27200	3410	4130	4970	1580
11	2240	896	43300	15800	12700	11300	23900	22800	1590	4000	4170	910
12	1650	843	18200	22500	14200	10000	18900	18600	3660	3160	2970	1070
13	2600	857	14700	20000	16800	9540	14900	16700	3020	4300	1200	3280
14	4540	829	19700	16600	18300	6910	11800	14200	4020	5190	3980	1860
15	1940	917	20000	14000	17300	9060	9720	14000	3560	4390	3390	3250
16	1400	1130	18600	12600	14900	7120	7650	12400	1660	2460	4880	960
17	1180	1200	17000	12000	14000	6120	8410	11300	1120	4380	2650	1050
18	1380	1180	14500	13200	13200	6320	7970	10300	1140	3230	3740	1850
19	1280	1210	13900	16300	13300	6000	7220	8570	5180	4280	2580	2290
20	1110	5500	13500	16800	12000	8160	10200	7900	4540	3050	1490	920
21	1120	5740	11200	15000	11100	10500	15800	7280	2040	3300	4650	988
22	3020	4090	11700	13700	10700	10200	15900	9620	1640	1230	3600	918
23	1180	7520	14000	12800	9670	10400	15800	9170	3240	1060	2100	959
24	1120	12800	13400	15700	9600	9350	14500	8260	5240	3290	3860	939
25	1070	13500	12100	21100	9300	9970	13600	6510	5360	2730	1890	958
26	1070	5530	12000	21500	8140	6620	12500	5770	3370	3940	1160	908
27	1120	7060	11500	18100	10800	10700	16200	4050	2540	3210	1210	1010
28	1060	18500	23700	16300	18000	13700	30400	7410	3400	3800	2790	987
29	1050	31200	37300	14200	19600	20900	36900	10200	3280	1650	2760	886
30	1100	24600	46900	13000	---	27500	32400	9350	3680	2570	1000	965
31	1080	---	55000	14000	---	22500	---	9420	---	3830	3750	---
TOTAL	41910	155672	1018570	521500	347110	400770	573770	561210	122320	98960	108030	49608
MEAN	1352	5189	32860	16820	11970	12930	19130	18100	4077	3192	3485	1654
MAX	4540	31200	95500	46800	19600	27500	36900	46700	14700	5190	5860	4060
MIN	763	829	8270	11000	4270	6000	7220	4050	1120	1060	1000	886
CFSM	.23	.89	5.66	2.90	2.06	2.23	3.29	3.12	.70	.55	.60	.28
IN.	.27	1.00	6.52	3.34	2.22	2.57	3.67	3.59	.78	.63	.69	.32
CAL YR 1983	TOTAL	5324992	MEAN	14590	MAX	95500	MIN	763	CFSM	2.51	IN.	34.09
WTR YR 1984	TOTAL	3999430	MEAN	10930	MAX	95500	MIN	763	CFSM	1.88	IN.	25.61

02466031 BLACK WARRIOR RIVER BELOW WARRIOR DAM NEAR EUTAW, AL
(National stream-quality accounting network station)

LOCATION.--Lat 32°46'44", long 87°50'39", in sec. 24, T. 21 N., R. 2 E., Hale County, Hydrologic Unit 03160113, 0.3 mi downstream from Warrior dam, 0.3 mi upstream from Jenny Watson Creek, and 4.6 mi southeast of Eutaw.

DRAINAGE AREA.--5,810 mi² (revised).

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

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: February 1978 to current year.

WATER TEMPERATURE: February 1978 to current year.

REMARKS.--Interruptions in conductance and temperature data due to malfunctions of equipment.

COOPERATION.--Specific conductance and temperature data furnished by the Corps of Engineers.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily, 274 microsiemens Oct. 21, 1979; minimum daily, 72 microsiemens Mar. 30, 1980.

WATER TEMPERATURE: Maximum daily, 33.0°C July 8, 1978, July 17-21, 1980, July 18, 19, 27, 29, Aug. 8, 1981, Aug. 26, 1982, and July 10, 13, 1984; minimum daily, 5.0°C Feb. 25, 1978, Feb. 2, 1979, and Jan. 19, 1982.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum daily, 210 microsiemens Dec. 4; minimum daily, 90 microsiemens Jan. 11.

TEMPERATURE: Maximum daily, 33.0°C July 10, 13; minimum daily, 6.0°C Dec. 24-26, Jan. 3, 4, 15.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAM- FLOW INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCCHI 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)
OCT												
12...	1020	992	173	7.2	23.5	4.1	8.2	100	100	56	24	12
DEC												
11...	1115	43,000	114	6.5	13.0	50	10.0	120	370	37	20	7.9
FEB												
13...	1000	14,600	137	7.1	9.0	25	12.0	490	270	44	26	9.5
APR												
09...	1030	28,200	110	6.6	15.0	16	10.2	410	230	37	19	8.1
JUN												
12...	1000	4,500	114	6.8	27.0	5.0	8.6	K21	34	38	18	8.5
AUG												
07...	1000	4,720	150	7.6	27.0	1.3	8.0	K45	K23	46	21	10

DATE	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LINITY LAB (MG/L AS CACO3)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SiO2)
OCT											
12...	6.3	9.7	27	0.6	1.9	32	3.9	37	6.0	0.10	1.2
DEC											
11...	4.1	4.1	19	.3	1.9	17	10	29	2.7	<.10	5.5
FEB											
13...	5.0	5.8	21	.4	1.5	20	2.8	32	4.3	<.10	6.4
APR											
09...	4.0	4.7	21	.3	1.4	18	8.8	25	5.8	<.10	6.0
JUN											
12...	4.0	4.8	21	.4	1.4	20	6.1	23	4.2	.10	5.3
AUG											
07...	5.1	7.8	26	.5	1.7	25	1.2	29	5.8	<.10	4.1

DATE	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, NO2+NO3 DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	PHOS- PHORUS, ORTHOS- PHOS- PHATE, DIS- SOLVED (MG/L AS P)
OCT									
12...	110	94	0.15	0.190	0.370	0.70	0.020	<.010	0.020
DEC									
11...	69	65	.09	.380	.040	.40	.060	.050	<.010
FEB									
13...	81	76	.11	.540	.140	1.5	.040	.020	<.010
APR									
09...	76	66	.10	.340	.110	1.9	.060	<.010	<.010
JUN									
12...	73	63	.10	.320	<.010	.30	.060	<.010	<.010
AUG									
07...	103	79	.14	.270	.030	.50	.050	.010	<.010

MOBILE RIVER BASIN

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02466031 BLACK WARRIOR RIVER BELOW WARRIOR DAM NEAR EUTAW, AL--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

	ALUM- INUM, DIS- SOLVED (UG/L AS AL)	ARSENIC DIS- SOLVED (UG/L AS AS)	BARIUM, DIS- SOLVED (UG/L AS BA)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	COBALT, DIS- SOLVED (UG/L AS CO)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, DIS- SOLVED (UG/L AS FE)		
OCT 12...	<10	<1	34	0.8	<1	1	<3	2	<3		
FEB 13...	<10	1	37	<.5	<1	<1	<3	2	110		
APR 09...	<10	1	29	<.5	<1	3	<3	1	110		
AUG 07...	<10	<1	35	<.5	<1	3	<3	2	60		
DATE	LEAD, DIS- SOLVED (UG/L AS PB)	LITHIUM DIS- SOLVED (UG/L AS LI)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MERCURY DIS- SOLVED (UG/L AS HG)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO)	NICKEL, DIS- SOLVED (UG/L AS NI)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	SILVER, DIS- SOLVED (UG/L AS AG)	STRON- TIUM, DIS- SOLVED (UG/L AS SR)	VANA- DIUM, DIS- SOLVED (UG/L AS V)	ZINC, DIS- SOLVED (UG/L AS ZN)
OCT 12...	2	9	<1	<.1	<10	1	<1	<1	62	<6	<3
FEB 13...	<1	8	240	<.1	<10	6	<1	2	44	<6	36
APR 09...	3	<4	69	<.1	<10	2	<1	<1	39	<6	5
AUG 07...	2	<4	2	.1	<10	1	<1	<1	60	<6	14
	DATE	TIME	STREAM- FLOW INSTAN- TANEOUS (CFS)	SEDI- MENT SUS- PENDEDED (MG/L)	SEDI- MENT DIS- CHARGE SUS- PENDEDED (T/DAY)	SED- MENT SUS- PENDEDED SIEVE DIAM. % FINER THAN .062 MM					
	OCT 12...	1020	992	9	24	98					
	DEC 11...	1115	43,000	72	8,360	89					
	FEB 13...	1000	14,600	26	1,020	98					
	APR 09...	1030	28,200	49	3,730	93					
	JUN 12...	1000	4,500	12	146	99					
	AUG 07...	1000	3,720	23	231	89					

MOBILE RIVER BASIN

02466031 BLACK WARRIOR RIVER BELOW WARRIOR DAM NEAR EUTAW, AL--Continued

SPECIFIC CONDUCTANCE (US/CM), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	165	146	170	---	155	139	150	137	105	124	175	172
2	165	150	170	---	142	139	138	126	104	120	164	170
3	170	145	175	124	142	142	152	115	107	118	162	190
4	169	---	210	122	148	138	174	107	112	124	---	186
5	167	138	159	123	150	129	169	107	104	132	160	180
6	164	144	127	104	157	122	154	110	105	126	160	170
7	160	144	113	97	150	116	154	98	106	136	155	175
8	160	137	100	95	161	108	163	105	105	134	151	174
9	161	138	99	95	160	118	106	105	106	128	150	---
10	163	136	99	92	165	119	108	102	107	129	148	182
11	164	120	106	90	165	142	112	104	107	132	148	180
12	160	132	104	94	165	141	112	105	108	130	154	178
13	157	130	---	101	134	131	112	106	108	136	155	178
14	155	145	---	112	134	131	132	95	108	144	150	179
15	155	142	---	116	134	156	124	97	109	139	148	180
16	155	134	108	115	126	140	108	98	108	132	148	180
17	157	136	138	116	125	138	110	99	109	139	153	177
18	159	136	141	114	121	145	102	103	112	134	155	175
19	160	134	129	115	127	133	104	103	113	134	153	174
20	157	134	129	111	127	135	96	103	116	134	154	176
21	157	135	138	118	119	132	95	104	139	136	154	189
22	156	136	152	132	124	132	99	104	134	157	160	189
23	156	125	152	138	125	137	97	112	134	153	170	181
24	156	128	162	142	125	136	100	---	130	147	161	181
25	155	138	155	141	130	136	100	114	123	150	162	180
26	130	---	155	130	130	135	106	112	116	154	169	180
27	130	---	147	130	128	136	106	113	124	156	162	170
28	136	131	---	126	130	135	110	116	127	156	173	172
29	138	124	---	124	148	125	115	116	129	158	173	180
30	142	---	---	123	---	127	143	107	124	159	172	178
31	144	---	---	122	---	126	---	105	---	151	179	---
MEAN	156	---	---	---	140	133	122	---	115	139	---	---
MAX	170	---	---	---	165	156	174	---	139	159	---	---
MIN	130	---	---	---	119	108	95	---	104	118	---	---

TEMPERATURE (DEG C) OF WATER, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	24.0	20.5	14.0	---	9.0	11.0	---	18.0	23.5	28.0	25.0	31.0
2	24.0	21.0	15.0	---	12.0	11.0	16.0	18.0	24.0	28.0	26.0	31.0
3	24.0	21.0	20.0	6.0	8.0	11.0	16.0	19.5	24.0	28.0	26.0	31.0
4	24.0	---	17.0	6.0	10.0	12.0	16.0	19.0	24.0	29.0	---	30.0
5	25.0	21.0	16.5	7.0	10.0	13.0	16.0	19.0	25.0	28.0	26.0	29.5
6	24.5	21.0	15.0	13.0	8.0	11.0	16.0	19.0	26.0	30.0	26.0	28.0
7	24.0	18.0	14.0	10.0	10.0	12.0	16.0	20.0	26.0	30.0	26.0	30.0
8	23.0	18.0	14.0	9.0	7.0	12.0	16.0	20.0	26.0	30.0	28.0	30.0
9	23.0	21.0	14.0	8.0	8.0	12.0	16.0	20.0	27.0	30.0	28.0	---
10	23.0	18.0	14.0	7.0	8.0	12.0	16.0	20.0	27.0	33.0	28.0	29.0
11	23.0	18.0	13.0	7.0	8.0	12.0	15.0	20.0	27.0	31.0	28.0	31.0
12	23.5	18.0	12.5	7.0	8.0	11.5	15.5	20.0	28.0	32.0	28.0	28.0
13	23.0	18.0	---	7.0	10.0	14.0	16.0	21.0	27.0	33.0	28.0	28.0
14	23.5	17.0	---	7.0	11.0	14.0	16.0	22.0	27.0	32.0	28.0	28.0
15	23.0	19.0	---	6.0	12.0	14.0	17.0	24.0	27.0	32.0	28.0	29.0
16	23.0	16.0	13.0	7.0	12.0	14.0	17.0	23.5	27.0	31.0	28.0	28.0
17	22.5	18.0	13.0	7.0	12.0	14.0	15.0	21.5	27.0	32.0	30.0	27.0
18	24.0	18.0	13.0	7.0	11.0	15.0	18.0	22.0	28.0	28.0	30.0	28.0
19	23.0	18.0	12.0	7.0	11.0	15.0	---	22.0	29.0	28.0	30.0	28.0
20	23.0	18.0	11.0	6.5	12.0	15.0	20.0	22.0	29.0	29.0	30.0	28.0
21	23.0	18.0	12.0	7.0	11.0	15.0	18.0	24.0	29.0	29.0	30.0	27.0
22	24.0	16.0	11.0	7.0	12.0	16.0	19.0	24.0	30.0	29.0	30.0	27.0
23	22.0	17.5	10.0	7.0	13.0	16.0	18.0	23.0	30.0	28.0	30.0	25.0
24	22.0	15.0	6.0	7.0	12.0	16.0	21.0	---	30.0	29.0	30.0	25.0
25	21.0	17.5	6.0	10.0	11.0	16.0	21.0	23.0	30.0	32.0	30.0	30.0
26	23.0	---	6.0	10.0	12.0	16.0	19.0	24.0	29.0	30.0	30.0	30.0
27	23.0	---	7.0	10.0	12.0	16.0	20.0	24.0	31.0	30.0	32.0	30.0
28	21.0	15.0	---	8.0	12.0	15.0	20.0	24.0	31.0	30.0	30.0	30.0
29	22.0	14.5	---	8.0	10.0	15.5	20.0	24.0	31.0	30.0	31.0	24.0
30	22.0	---	---	8.0	---	15.0	19.0	22.5	28.0	29.5	31.0	25.0
31	---	---	---	15.0	---	14.0	---	25.0	---	30.0	31.0	---
MEAN	---	---	---	---	10.5	13.5	---	---	27.5	30.0	---	---
MAX	---	---	---	---	13.0	16.0	---	---	31.0	33.0	---	---
MIN	---	---	---	---	7.0	11.0	---	---	23.5	28.0	---	---

02466040 BLACK WARRIOR RIVER BELOW WARRIOR LOCK NEAR SAWYERVILLE, AL

LOCATION.--Lat 32°46'10", long 87°49'40", in N½ sec. 30, T. 21 N., R. 3 E., Hale County, Hydrologic Unit 03160112, on downstream side of lock, 1.4 mi upstream from Presley Ford Branch, 6 mi west of Sawyerville, and at mile 43.8.

DRAINAGE AREA.--5,838 mi² (revised).

PERIOD OF RECORD.--October 1971 to current year (gage heights only). Unpublished records from October 1957 to September 1971 available in files of Corps of Engineers.

GAGE.--Nonrecording gage. Datum of gage is 59.76 ft National Geodetic Vertical Datum of 1929 (levels by the Corps of Engineers).

COOPERATION.--Records furnished by U.S. Corps of Engineers.

EXTREMES (0700) FOR PERIOD OF RECORD.--Maximum gage height, 50.1 ft Feb. 25, 1961; minimum, 13.3 ft Aug. 10, 1960.

EXTREMES (0700) FOR CURRENT YEAR.--Maximum gage height, 40.6 ft Dec. 8; minimum, 13.5 ft Sept. 30.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
INSTANTANEOUS OBSERVATIONS AT 0700

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14.00	14.00	22.10	34.50	18.60	21.40	21.80	32.40	17.10	15.00	14.80	14.40
2	14.00	14.00	19.60	32.30	18.60	19.80	20.40	31.20	16.40	14.60	15.40	14.50
3	14.00	14.00	16.90	27.60	18.40	19.40	20.20	28.60	15.50	---	15.40	14.20
4	14.00	14.00	29.10	22.90	18.40	18.40	24.20	28.90	14.80	---	15.20	14.50
5	14.00	14.10	34.00	19.80	17.40	17.40	27.20	31.80	15.50	---	15.80	14.40
6	14.00	14.00	38.00	19.00	17.90	20.90	28.20	33.30	15.20	---	15.30	14.10
7	13.90	14.00	40.00	19.20	16.40	24.70	27.50	33.10	15.20	---	15.20	14.40
8	14.00	14.00	40.60	18.70	15.60	24.50	24.70	30.20	14.90	---	15.40	14.00
9	14.00	14.00	40.00	18.40	15.60	22.80	24.00	27.00	14.60	---	15.10	14.00
10	14.00	14.00	38.60	18.30	15.60	21.10	24.60	26.00	14.70	---	15.60	13.90
11	13.90	14.00	36.90	18.90	18.50	19.80	24.60	25.40	14.80	---	15.10	13.90
12	14.50	14.00	33.50	22.50	19.30	17.80	23.20	23.90	14.70	---	15.00	14.00
13	14.20	14.00	27.60	23.50	20.10	17.70	20.40	22.20	14.90	---	15.00	14.50
14	15.30	14.10	26.00	22.00	21.90	17.20	19.00	21.20	15.00	15.30	14.60	14.00
15	14.40	14.20	25.40	20.80	21.70	17.30	18.00	19.80	15.10	15.30	15.30	14.40
16	14.50	14.40	23.60	19.50	20.50	16.50	16.60	18.90	14.40	14.50	15.00	14.00
17	14.20	14.60	22.20	19.40	19.80	16.40	16.80	18.00	14.20	15.40	14.40	13.90
18	14.10	14.50	20.80	18.20	19.60	16.20	16.50	17.40	14.20	14.80	14.40	13.80
19	14.20	14.40	20.10	19.30	19.20	16.50	16.20	17.20	15.00	15.20	14.40	14.40
20	14.10	14.80	19.60	21.00	18.80	17.40	17.00	16.40	15.00	14.60	14.20	13.90
21	14.00	17.30	19.10	20.00	18.20	18.60	18.90	16.00	14.70	14.70	14.40	13.80
22	14.30	16.30	18.00	19.30	17.50	18.20	20.00	16.40	14.20	14.50	14.60	13.70
23	14.60	16.80	19.00	19.10	17.50	18.10	19.50	17.40	14.60	14.20	14.40	13.80
24	14.30	17.90	19.60	18.80	17.10	17.50	20.20	16.60	15.00	14.40	15.00	13.70
25	14.40	20.00	19.20	21.00	17.20	18.00	19.70	16.00	15.20	14.50	14.20	13.80
26	14.30	18.20	19.00	23.00	17.10	16.70	19.10	15.80	14.90	14.60	14.20	13.70
27	14.20	18.60	18.70	22.80	16.80	17.40	18.60	15.40	14.60	14.50	14.00	13.70
28	14.00	18.60	20.50	21.40	20.00	18.90	23.20	15.00	14.60	14.80	14.30	13.70
29	14.10	24.20	28.60	20.20	20.80	17.80	27.40	16.80	14.60	14.60	14.20	13.60
30	14.00	24.90	32.60	19.50	---	23.40	31.00	17.50	15.00	14.40	14.00	13.50
31	14.00	---	34.30	18.90	---	24.00	---	17.40	---	15.00	14.40	---
MEAN	14.18	15.86	26.55	21.28	18.42	19.09	21.62	22.04	14.95	---	14.78	14.01
MAX	15.30	24.90	40.60	34.50	21.90	24.70	31.00	33.30	17.10	---	15.80	14.50
MIN	13.90	14.00	16.90	18.20	15.60	16.20	16.20	15.00	14.20	---	14.00	13.50

MOBILE RIVER BASIN

02467000 TOMBIGBEE RIVER AT DEMOPOLIS LOCK AND DAM, NEAR COATOPA, AL

LOCATION.--Lat 32°31'15", long 87°52'39", in NW¼ sec. 22, T. 18 N., R. 2 E., Marengo County, Hydrologic Unit 03160201, on left bank 100 ft upstream from lock and dam, 0.5 mi downstream from Foscue Creek 2.5 mi west of Demopolis, 3.5 mi upstream from Hall Creek, 13 mi east of Coatopa, and at mile 171.2.

DRAINAGE AREA.--15,385 mi² (revised).

PERIOD OF RECORD.--August 1928 to current year. Published as "near Coatopa" 1928-55.

REVISED RECORDS.--WSP 782: 1934. WSP 952: 1941.

GAGE.--Water-stage recorder. Datum of gage is 56.00 ft National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to Oct. 31, 1939, nonrecording gage, and Nov. 1, 1939 to Sept. 30, 1955, water-stage recorder at site 11.6 mi downstream at datum 26.70 ft lower.

REMARKS.--Records fair except those below 2,000 ft³/s which are poor. Some regulation by Lewis Smith Reservoir on Sipsey Fork (station 02551950), Bankhead lock and dam on Black Warrior River, usable capacity, 112,000 acre-ft, Holt lock and dam on Black Warrior River, usable capacity, 115,000 acre-ft, and lock at gage. Diversion through lock valves included in figures of discharge.

AVERAGE DISCHARGE.--56 years, 23,610 ft³/s, 20.84 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 343,000 ft³/s Apr. 18, 1979, gage height, 37.03; minimum, daily, 50 ft³/s Aug. 1-6, 1954 (results of closure of and storage above Demopolis lock and dam during construction).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 184,000 ft³/s Dec. 9; maximum gage height, 28.84 ft Dec. 11; minimum daily discharge, 680 ft³/s Sept. 30.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2260	2400	50700	125000	29300	48600	48400	122000	18600	5250	4970	3810
2	2020	2320	34000	116000	27200	43400	40000	118000	14600	3700	8240	3470
3	1600	2420	35000	92300	26000	37600	48200	112000	9170	4920	8010	2350
4	1480	2660	87300	63100	24900	30400	75600	117000	6970	5580	7110	2820
5	1800	2360	122000	49000	23600	37400	94100	126000	7220	3910	9400	2140
6	1520	2140	145000	40200	23000	64800	96700	131000	6580	4550	9860	1590
7	1610	2510	166000	35700	16400	80300	89700	133000	7030	5340	10900	2920
8	1400	2130	168000	30300	13800	77600	74400	126000	4950	7450	10500	2600
9	1560	2710	181000	27600	12500	65900	71100	108000	5360	5280	8150	2260
10	1380	2420	176000	30000	15500	53200	65500	99000	5610	4800	9330	1580
11	2140	2300	172000	43400	37300	41000	56400	96900	4450	5690	8410	1730
12	3690	2000	166000	61300	44100	32300	46800	92000	4660	4800	8700	1540
13	3760	3390	146000	64500	53600	29000	37400	78300	5100	5620	6010	2660
14	6390	3880	119000	57100	63700	24600	30400	56000	5340	7150	7890	2020
15	4800	5120	105000	49300	59500	23100	25500	38500	5600	6790	8560	3520
16	4440	5270	80000	40100	49600	21000	19700	30000	3650	4640	6990	2390
17	3550	5680	65700	34500	45400	19800	19600	24300	3220	9200	5560	1310
18	2980	5500	52500	32000	40500	24000	17400	20400	2330	6170	4690	926
19	3000	4760	43300	44400	36300	25500	16700	19000	4780	5610	4200	2380
20	2780	12200	36500	45200	33100	33600	25300	15700	5690	5230	3320	1300
21	2540	26500	31100	39000	28600	39900	34400	14900	3800	5160	5140	1130
22	3850	21200	30600	34600	24900	36400	38200	16200	3110	3820	4970	927
23	4500	23000	38900	31000	22600	31600	45200	18400	3930	1940	3950	961
24	3340	39400	45500	39000	21200	27500	50600	15600	7770	3460	4200	1060
25	3830	52100	41600	62000	20600	29500	46000	12700	7860	3320	3300	833
26	3140	45300	36400	70000	18800	25300	42000	11800	6450	3910	2500	1000
27	3020	39700	33300	63000	30700	25200	42000	9630	5000	3940	1530	967
28	2730	49300	57400	53600	50600	34300	65500	12100	4360	5320	2340	972
29	2570	67400	97600	43900	56700	46400	90400	21400	6000	4220	2930	874
30	2460	66500	117000	36400	---	58200	111000	21500	6650	3300	2280	680
31	2630	---	126000	32800	---	58200	---	19400	---	4660	3350	---
TOTAL	88770	504570	2806400	1586300	950000	1225600	1564200	1836730	185840	154730	187290	54720
MEAN	2864	16820	90530	51170	32760	39540	52140	59250	6195	4991	6042	1824
MAX	6390	67400	181000	125000	63700	80300	111000	133000	18600	9200	10900	3810
MIN	1380	2000	30600	27600	12500	19800	16700	9630	2330	1940	1530	680
CFSM	.19	1.09	5.88	3.33	2.13	2.57	3.39	3.85	.40	.32	.39	.12
IN.	.21	1.22	6.79	3.84	2.30	2.96	3.78	4.44	.45	.37	.45	.13
CAL YR 1983	TOTAL	17494430	MEAN	47930	MAX	181000	MIN	1380	CFSM	3.12	IN.	42.30
WTR YR 1984	TOTAL	11145150	MEAN	30450	MAX	181000	MIN	680	CFSM	1.98	IN.	26.95

MOBILE RIVER BASIN

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02467500 SUGARNOOCHEE RIVER AT LIVINGSTON, AL

LOCATION.--Lat 32°34'25", long 88°11'36", in SW¼ sec. 33, T. 19 N., R. 2 W., Sumter County, Hydrologic Unit 03160202, on right bank 10 ft downstream from bridge on U.S. Highway 11, 500 ft upstream from Southern Railway bridge, 0.8 mi southwest of Livingston, and 9 mi upstream from Alamuchee Creek.

DRAINAGE AREA.--607 mi² (revised).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1938 to current year.

REVISED RECORDS.--WSP 1384: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 90.04 ft National Geodetic Vertical Datum of 1929. Prior to Jan. 12, 1939, nonrecording gage at same site and datum.

REMARKS.--Water-discharge records good.

AVERAGE DISCHARGE.--46 years, 836 ft³/s, 18.70 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 62,200 ft³/s Apr. 14, 1979, gage height, 33.47 ft; minimum, 49 ft³/s Sept. 11, 1957.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 4,240 ft³/s Dec. 28, gage height, 17.59, no peak above base of 5,000 ft³/s; minimum discharge, 122 ft³/s Sept. 28, 29, 30.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	213	203	590	1980	664	1490	915	602	226	344	246	185
2	207	201	476	957	614	929	751	676	222	348	215	172
3	204	204	461	793	594	780	3080	2640	218	302	201	165
4	203	206	813	736	601	726	3420	3290	213	242	218	160
5	199	206	1120	684	610	2150	3520	3270	208	249	248	154
6	197	241	2850	640	561	2960	3460	2940	204	203	284	163
7	195	289	2550	599	512	3110	2770	1580	199	223	368	155
8	191	249	2420	557	479	3140	1820	851	195	364	326	147
9	188	234	1540	521	465	2490	3770	712	194	832	285	142
10	188	240	767	618	632	1220	3990	642	192	678	514	141
11	189	233	722	1000	1120	860	4020	537	187	322	342	142
12	195	222	942	1190	1510	762	3760	477	182	245	329	147
13	206	216	1280	944	2360	704	2500	437	186	215	327	163
14	227	223	1170	719	2450	668	1210	401	255	473	297	162
15	269	242	851	651	2370	657	906	401	275	723	421	147
16	240	266	753	664	1720	771	783	433	213	466	369	140
17	217	346	622	699	1230	904	705	429	188	299	364	135
18	211	302	548	1040	1230	1150	654	348	181	244	333	133
19	207	263	509	1970	1010	1150	626	313	183	222	256	130
20	204	380	472	2070	862	2420	698	298	175	249	214	127
21	201	818	451	1510	775	2300	803	296	172	222	196	131
22	200	941	816	947	693	1710	758	324	168	193	188	129
23	202	1070	1320	790	642	1090	714	427	164	179	190	128
24	247	1370	1380	1580	599	937	647	463	184	172	185	128
25	294	1460	881	2400	562	1430	546	367	265	170	189	128
26	251	1210	623	2540	535	1490	478	312	260	180	176	129
27	228	799	619	2180	1510	1190	460	289	205	170	171	127
28	219	1210	3520	1360	1970	1790	649	273	173	187	165	125
29	212	986	3340	985	2100	2100	933	259	180	247	232	125
30	206	904	3260	835	---	1830	639	248	199	518	244	126
31	204	---	3050	736	---	1380	---	235	---	349	210	---
TOTAL	6614	15734	40716	34895	30980	46288	49985	24770	6066	9830	8303	4286
MEAN	213	524	1313	1126	1068	1493	1666	799	202	317	268	143
MAX	294	1460	3520	2540	2450	3140	4020	3290	275	832	514	185
MIN	188	201	451	521	465	657	460	235	164	170	165	125
CFSM	.35	.86	2.16	1.86	1.76	2.46	2.74	1.32	.33	.52	.44	.24
IN.	.41	.96	2.50	2.14	1.90	2.84	3.06	1.52	.37	.60	.51	.26
CAL YR 1983	TOTAL	645767	MEAN	1769	MAX	14000	MIN	185	CFSM	2.91	IN.	39.58
WTR YR 1984	TOTAL	278467	MEAN	761	MAX	4020	MIN	125	CFSM	1.25	IN.	17.07

MOBILE RIVER BASIN

02467500 SUCARNOOCHEE RIVER AT LIVINGSTON, AL--Continued

WATER-QUALITY RECORDS

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

REMARKS.--Miscellaneous samples of chemical data published for water years 1967 and 1968.

COOPERATION.--Water-quality samples were collected by the U.S. Geological Survey and analyzed by the Geological Survey of Alabama.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	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)
NOV 07...	1230	292	48	--	14.5	--	--	--	--	--
DEC 09...	0805	1700	65	--	11.0	--	--	--	--	--
14...	1045	1220	60	7.5	12.0	10.4	19	5	5.6	1.3
JAN 25...	1325	2400	72	--	5.0	--	--	--	--	--
FEB 29...	1415	2100	52	7.3	10.0	10.8	20	7	7.0	.50
APR 19...	1300	613	63	--	16.0	--	--	--	--	--
MAY 31...	0730	233	54	--	20.5	--	--	--	--	--
JUL 12...	0845	257	60	6.9	28.0	7.7	17	1	5.1	1.1

DATE	SODIUM, DIS- SOLVED (MG/L AS NA)	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LINITY FIELD (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)
DEC 14...	2.8	22	0.3	1.5	14	0.9	8.2	2.1	<.10	9.4
FEB 29...	2.7	22	.3	1.2	13	1.3	8.3	1.8	<.10	6.8
JUL 12...	2.5	22	.3	1.6	16	3.9	4.2	1.6	<.10	9.4

DATE	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, NITRITE DIS- SOLVED (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)
DEC 14...	40	0.05	131	--	<.01	0.060	--	--
FEB 29...	36	.05	207	0.080	<.01	--	0.080	0.010
JUL 12...	36	.05	--	.170	.010	--	.180	--

DATE	ARSENIC DIS- SOLVED (UG/L AS AS)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	COBALT, DIS- SOLVED (UG/L AS CO)	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)	STRON- TIUM, DIS- SOLVED (UG/L AS SR)	ZINC, DIS- SOLVED (UG/L AS ZN)
DEC 14...	<1	1	<1	<1	280	3	40	0.1	60	10
FEB 29...	2	3	<1	2	200	<1	60	.1	70	40
JUL 12...	1	1	<1	<1	350	<1	30	<.1	90	<10

02468500 CHICKASAW BOGUE NEAR LINDEN, AL

LOCATION.--Lat 32°19'45", long 87°47'27", in SW¼ sec. 28, T. 16 N., R. 3 E., Marengo County, Hydrologic Unit 03160201, near right bank on downstream side of bridge on U.S. Highway 43, 1.5 mi north of Linden, 2 mi downstream from Atkin Creek, and 11 mi upstream from mouth.

DRAINAGE AREA.--257 mi² (revised).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--January 1944 to September 1946, October 1965 to current year.

GAGE.--Water-stage recorder. Datum of gage is 63.45 ft National Geodetic Vertical Datum of 1929. January 1944 to September 1946 nonrecording gage at site about 75 ft upstream at different datum. Since Jan. 10, 1966, auxiliary nonrecording gage on bridge of Alabama State Highway 28, 3 mi downstream. January 1944 to September 1946, auxiliary nonrecording gage at lock 3 on Tombigbee River 3 mi downstream from mouth of Chickasaw Bogue.

REMARKS.--Water-discharge records fair.

AVERAGE DISCHARGE.--21 years (water years 1945-46, 1966-84), 386 ft³/s, 19.44 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 38,700 ft³/s Mar. 4, 1979, gage height, 30.18 ft, maximum gage height, 30.33 ft Mar. 26, 1945, site and datum then in use; minimum observed, 0.3 ft³/s June 27-29, 1944.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 6,200 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec. 6	2000	8,480	17.41	Feb. 27	1600	10,100	18.81
Dec. 28	2300	*16,000	*22.98	Mar. 5	2400	9,760	18.51
Jan. 19	0400	6,530	15.55	Apr. 3	1900	9,660	18.43
Feb. 13	0700	6,410	15.43	May 4	0300	10,500	19.12

Minimum daily discharge, 2.5 ft³/s Sept. 30.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1	4.4	3.5	81	298	130	223	85	87	21	5.4	19	14	
2	3.7	3.5	56	259	117	161	78	156	19	28	574	10	
3	3.6	3.5	49	239	124	139	5950	4210	17	9.7	1350	8.0	
4	4.1	3.7	288	210	248	147	2470	6340	14	5.5	184	6.5	
5	4.5	4.0	175	195	218	3830	416	532	13	4.8	990	5.3	
6	3.8	4.0	4650	189	147	4700	238	263	12	4.9	1780	4.5	
7	3.6	4.0	2390	147	110	589	175	164	11	4.7	264	4.0	
8	3.5	3.6	450	125	97	303	137	206	9.5	53	203	8.0	
9	3.5	4.0	130	114	90	204	759	189	8.9	27	602	6.0	
10	3.6	3.9	100	796	754	150	392	96	8.5	9.9	718	5.0	
11	4.0	3.7	400	825	2840	126	221	62	8.0	6.2	1270	3.7	
12	4.3	3.7	1400	319	804	109	156	51	7.0	4.9	4120	4.0	
13	5.9	3.8	800	226	4220	101	124	56	7.0	5.5	602	5.5	
14	5.2	5.1	550	182	760	88	166	54	17	249	899	6.4	
15	4.4	9.0	260	187	393	74	243	72	30	33	716	5.0	
16	4.0	6.8	150	315	303	67	120	36	18	12	184	4.0	
17	3.8	5.7	119	263	312	108	95	19	13	8.3	136	3.6	
18	3.8	5.8	99	1810	223	193	80	16	11	6.9	85	3.5	
19	3.7	5.4	87	4040	175	93	70	14	13	5.4	54	3.4	
20	3.6	62	78	584	147	1420	62	14	12	6.5	125	3.3	
21	3.5	41	71	341	130	855	53	18	9.0	4.2	197	3.1	
22	3.9	15	103	254	117	256	64	86	7.0	3.8	59	3.0	
23	5.7	47	156	227	101	169	135	119	21	3.4	37	2.9	
24	4.7	528	107	350	83	283	56	44	37	3.9	28	2.8	
25	4.2	147	74	1210	65	2930	32	25	27	4.8	21	2.8	
26	3.9	47	64	569	54	449	24	18	7.5	3.8	15	2.7	
27	3.7	529	154	464	6700	253	22	14	5.1	49	11	2.7	
28	3.6	4180	10900	377	1930	382	65	147	4.3	293	8.5	2.6	
29	3.6	440	8780	260	365	289	933	422	4.4	426	6.2	2.6	
30	3.6	142	710	202	---	158	183	121	5.3	154	5.0	2.5	
31	3.5	---	429	159	---	107	---	37	---	32	8.0	---	
TOTAL	124.9	6264.7	33860	15736	21757	18956	13604	13688	397.5	1468.5	15270.7	141.4	
MEAN	4.03	209	1092	508	750	611	453	442	13.2	47.4	493	4.71	
MAX	5.9	4180	10900	4040	6700	4700	5950	6340	37	426	4120	14	
MIN	3.5	3.5	49	114	54	67	22	14	4.3	3.4	5.0	2.5	
CFSM	.02	.81	4.25	1.98	2.92	2.38	1.76	1.72	.05	.18	1.92	.02	
IN.	.02	.91	4.90	2.28	3.15	2.74	1.97	1.98	.06	.21	2.21	.02	
CAL YR 1983	TOTAL	251724.0		MEAN	690	MAX	23100	MIN	2.8	CFSM	2.68	IN.	36.44
WTR YR 1984	TOTAL	141268.7		MEAN	386	MAX	10900	MIN	2.5	CFSM	1.50	IN.	20.45

MOBILE RIVER BASIN

02468500 CHICKASAW BOGUE NEAR LINDEN, AL--Continued

WATER-QUALITY RECORDS

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

REMARKS.--Miscellaneous samples of chemical data published for water years 1967 and 1968.

COOPERATION.--Water-quality samples were collected by the U.S. Geological Survey and analyzed by the Geological Survey of Alabama.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	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)
OCT 13...	1650	5.5	108	--	20.0	--	--	--	--	--
NOV 07...	1000	4.0	143	--	15.0	--	--	--	--	--
DEC 09...	1205	126	128	--	11.0	--	--	--	--	--
14...	0945	550	220	7.7	11.0	10.1	90	20	33	1.8
JAN 25...	0950	1510	121	--	5.0	--	--	--	--	--
FEB 29...	1045	362	176	7.4	8.5	10.9	76	11	28	1.4
APR 19...	1010	54	183	--	--	--	--	--	--	--
MAY 30...	1345	86	154	--	21.0	--	--	--	--	--
JUL 11...	1445	5.9	112	7.4	36.0	6.5	79	0	27	2.8
DATE	SODIUM, DIS- SOLVED (MG/L AS Na)	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LINITY FIELD (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)
DEC 14...	4.8	10	0.2	2.0	70	2.7	18	5.2	0.10	8.3
FEB 29...	3.7	9	.2	1.3	65	5.0	16	3.6	.10	4.3
JUL 11...	6.1	14	.3	2.2	83	6.4	16	5.0	.20	6.4
DATE	SOLIDS, SUM OF CONSTITUENTS, 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, NITRITE DIS- SOLVED (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)		
DEC 14...	120	0.16	--	--	0.010	0.220	--	--		
FEB 29...	98	.13	96	0.360	.010	--	0.370	0.060		
JUL 11...	120	.16	1.9	1.02	<.01	--	1.02	--		
DATE	ARSENIC DIS- SOLVED (UG/L AS AS)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	COBALT, DIS- SOLVED (UG/L AS CO)	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)	STRON- TIUM, DIS- SOLVED (UG/L AS SR)	ZINC, DIS- SOLVED (UG/L AS ZN)
DEC 14...	1	1	4	<1	70	3	70	0.3	250	10
FEB 29...	2	1	<1	<1	140	<1	30	.1	210	40
JUL 11...	2	2	1	1	50	1	90	.1	230	<10

MOBILE RIVER BASIN

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02469761 TOMBIGBEE RIVER AT COFFEEVILLE LOCK AND DAM, NEAR COFFEEVILLE, AL

LOCATION.--Lat 31°45'30", long 88°07'45", in sec. 12, T. 9 N., R. 2 W., Choctaw County, Hydrologic Unit 03160203, near right bank at Coffeeville lock and dam, 4 mi downstream from Turkey Creek, 2 mi west of Coffeeville, and at mile 74.7.

DRAINAGE AREA.--18,417 mi² (revised).

PERIOD OF RECORD.--October 1960 to current year (water years 1961-67 published in 1977 annual report).

GAGE.--Water-stage recorder. Datum of gage is 14.00 ft below National Geodetic Vertical Datum of 1929. Auxiliary water-stage recorder 0.5 mi downstream from base gage at same datum.

REMARKS.--Records fair. Some regulation by Lewis Smith Reservoir on Sipsey Fork (station 02451950), Bankhead lock and dam on Black Warrior River, usable capacity, 112,000 acre-ft, Holt lock and dam on Black Warrior River, usable capacity, 115,000 acre-ft, and lock and dam at gage.

AVERAGE DISCHARGE.--24 years, 31,170 ft³/s, 22.98 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 290,000 ft³/s Apr. 22, 1979, gage height, 65.46; minimum discharge, 902 ft³/s June 28, 1966 (results of abnormal regulation).

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of May 1, 1874 reached a stage of 67.4 ft, discharge not determined, at site 0.5 mi downstream at present datum.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 192,000 ft³/s Dec. 14; maximum gage height, 57.59 ft Dec. 15; minimum daily discharge, 1,880 ft³/s Oct. 4.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1	3040	2490	49700	122000	34700	59200	56100	113000	20600	8080	7420	5360	
2	3100	2730	45500	124000	32100	53300	49300	115000	17900	5640	8180	5140	
3	2320	4480	31800	128000	30700	44600	50900	117000	13600	5340	11800	4560	
4	1880	3860	61000	126000	29800	35800	64700	122000	9690	7100	11000	2670	
5	2500	4350	70200	114000	28000	38200	71700	125000	8880	6850	9990	5270	
6	2260	2270	119000	94000	28100	60400	106000	129000	8630	4430	13900	2110	
7	2560	3420	122000	50900	23400	75000	107000	130000	8230	7660	13000	2470	
8	2110	4220	131000	41300	18900	85000	108000	132000	7650	8420	15900	5340	
9	2040	3810	135000	33500	16500	90000	104000	130000	4940	10100	11600	2420	
10	2050	4930	140000	32700	15900	91000	99700	128000	7370	5800	11700	2420	
11	2240	2280	151000	38400	30700	90000	93200	124000	7210	7850	13700	3010	
12	5220	2940	168000	51000	47700	80000	67100	119000	3880	7290	14300	2920	
13	4030	4150	183000	57900	55100	60000	57900	114000	7610	5960	15200	2260	
14	6130	6100	192000	59500	61600	33200	46000	110000	6300	10100	6860	4400	
15	7020	6720	184000	56300	64200	28600	35200	95600	8610	8900	14000	2810	
16	5400	6980	177000	50400	62700	27700	28300	53200	5540	8350	10400	5160	
17	4830	6690	160000	44400	55700	23200	24400	35700	4030	8220	8010	1910	
18	3820	6790	134000	39100	49800	21900	23900	27100	4420	10500	6510	2000	
19	3720	5760	115000	49100	43400	28200	18800	23100	3000	5970	6460	2090	
20	3620	14000	85000	54200	39600	34500	21100	19400	8530	6800	6370	2100	
21	3520	22400	45000	51000	35700	46400	31400	18200	5990	6490	8980	2040	
22	3810	26100	39100	44200	32200	46300	38600	21200	4030	6190	6770	2050	
23	7120	22300	36900	37700	27900	40900	42800	21800	5340	2760	7140	2090	
24	3810	33700	42800	36500	24200	37400	49000	20200	7820	2330	4580	2020	
25	5070	39200	45900	49300	24300	40700	50300	17600	10100	6770	6110	2010	
26	4200	47600	41100	61000	22100	38400	46000	14700	8590	2790	3140	2140	
27	4390	40200	37600	65300	36000	33100	43100	13200	8820	6620	3660	1980	
28	3130	53500	61600	63100	52500	33000	48900	12000	5620	4810	2510	2020	
29	3520	60000	100000	56400	57300	44000	62400	19000	6370	8720	4610	2010	
30	3740	63600	108000	46500	---	51900	70000	24100	8450	4550	4670	1910	
31	2890	---	117000	38000	---	56400	---	21200	---	6030	3710	---	
TOTAL	115090	507570	3129200	1915700	1080800	1528300	1715800	2165300	237750	207420	272180	86690	
MEAN	3713	16920	100900	61800	37270	49300	57190	69850	7925	6691	8780	2890	
MAX	7120	63600	192000	128000	64200	91000	108000	132000	20600	10500	15900	5360	
MIN	1880	2270	31800	32700	15900	21900	18800	12000	3000	2330	2510	1910	
CFSM	.20	.92	5.48	3.36	2.02	2.68	3.11	3.79	.43	.36	.48	.16	
IN.	.23	1.03	6.32	3.87	2.18	3.09	3.47	4.37	.48	.42	.55	.18	
CAL YR 1983	TOTAL	21578420		MEAN	59120	MAX	208000	MIN	1880	CFSM	3.21	IN.	43.59
WTR YR 1984	TOTAL	12961800		MEAN	35410	MAX	192000	MIN	1880	CFSM	1.92	IN.	26.18

MOBILE RIVER BASIN

02469762 TOMBIGBEE RIVER BELOW COFFEEVILLE LOCK AND DAM, NEAR COFFEEVILLE, AL

LOCATION.--Lat 31°45'30", long 88°07'35", in sec. 12, T. 9 N., R. 2 W., Choctaw County, Hydrologic Unit 03160203, near right bank at downstream end of Coffeeville lock and dam, 2 mi west of Coffeeville, 4 mi downstream from Turkey Creek, and at mile 74.2.

DRAINAGE AREA.--18,417 mi² (revised).

WATER-STAGE RECORDS

PERIOD OF RECORD.--August 1960 to current year (gage heights only). October 1971 to current year in reports of Geological Survey. August 1960 to September 1971 in files of Corps of Engineers.

GAGE.--Water-stage recorder. Datum of gage is 14.00 ft below National Geodetic Vertical Datum of 1929.

COOPERATION.--Records furnished by Corps of Engineers.

EXTREMES (AT 0700) FOR PERIOD OF RECORD.--Maximum gage height, 64.2 ft Mar. 4, 1961, Apr. 23, 1979; minimum, 14.0 ft Oct. 30, 1963, Oct. 29, 1968.

EXTREMES (AT 0700) FOR CURRENT YEAR.--Maximum gage height, 55.5 ft Dec. 15; minimum, 14.4 ft Sept. 30.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
INSTANTANEOUS OBSERVATIONS AT 0700

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15.40	15.40	40.30	47.40	34.60	39.40	38.70	43.40	25.40	18.40	18.20	15.80
2	15.60	16.00	39.20	48.20	33.30	39.10	38.10	45.00	25.00	18.20	18.10	17.00
3	15.50	15.80	36.30	48.90	32.00	37.70	37.00	46.30	23.80	17.30	21.50	16.50
4	15.60	16.10	34.90	49.10	31.40	36.20	39.70	47.60	22.00	17.90	21.60	15.90
5	16.00	16.60	39.60	48.70	31.40	34.20	42.30	48.30	20.20	17.80	21.60	16.10
6	15.80	15.90	43.50	47.00	29.90	37.20	44.00	48.90	19.60	16.70	23.00	15.50
7	15.30	16.20	45.80	43.40	29.50	41.20	45.00	49.30	19.00	17.50	23.80	15.20
8	15.80	16.50	47.50	39.00	27.00	43.00	45.60	49.80	19.20	18.00	24.40	16.50
9	15.20	16.00	48.80	36.20	25.50	44.10	45.90	50.30	17.90	18.80	24.70	16.40
10	15.50	16.30	50.00	34.60	24.40	44.00	45.80	50.50	18.30	18.30	24.60	15.80
11	15.30	15.40	51.40	34.20	26.00	42.50	45.40	50.50	18.10	18.70	24.90	15.90
12	16.20	14.70	52.80	35.90	31.70	39.70	44.40	50.10	17.10	18.10	24.80	15.90
13	16.60	15.30	54.10	38.10	34.70	36.40	42.20	49.50	18.10	17.30	24.70	15.50
14	16.00	16.20	55.10	39.50	38.50	34.20	39.40	48.80	17.50	18.70	22.00	16.20
15	17.40	16.70	55.50	39.60	40.00	32.00	36.50	47.50	18.00	19.00	22.30	16.00
16	16.60	17.70	55.30	38.90	40.60	30.90	33.80	44.70	18.70	18.80	21.90	16.40
17	16.70	16.70	54.40	37.30	39.70	29.00	31.10	39.20	17.40	17.90	20.30	15.30
18	16.10	17.50	53.00	35.60	38.30	27.70	29.90	35.00	17.40	20.10	19.50	15.10
19	15.90	17.50	51.20	36.10	37.00	28.20	27.70	31.90	16.60	18.30	18.00	15.00
20	16.20	20.00	48.60	37.90	35.30	29.20	25.90	29.90	18.20	17.60	17.90	15.10
21	16.30	23.20	44.50	38.30	34.00	32.50	27.90	27.70	17.40	17.50	18.30	15.50
22	16.00	26.90	39.10	37.20	32.50	35.00	30.40	27.60	17.10	17.30	18.10	16.00
23	18.00	26.40	36.30	35.70	30.70	34.50	31.80	28.80	15.80	16.80	17.40	16.20
24	17.00	28.30	35.80	34.30	29.40	33.10	33.60	28.70	17.50	15.70	17.10	16.20
25	16.10	32.30	36.20	34.90	28.20	34.30	35.40	27.40	18.90	16.70	17.00	15.90
26	16.00	35.20	36.00	38.40	27.40	35.10	35.50	25.50	18.60	16.60	16.50	16.10
27	15.60	35.40	34.40	40.60	28.90	33.90	34.70	24.30	18.00	17.10	16.10	15.80
28	15.50	36.90	36.30	41.20	34.80	32.70	34.10	22.70	17.60	16.80	16.20	15.50
29	15.50	38.20	42.90	40.30	38.20	33.50	37.20	22.70	17.20	18.10	16.40	14.90
30	15.60	39.70	45.30	38.60	---	35.50	40.70	25.00	18.30	17.70	16.50	14.40
31	15.60	---	46.60	36.50	---	37.70	---	25.50	---	17.80	16.40	---
MEAN	16.00	21.70	44.86	39.73	32.58	35.60	37.32	38.46	18.80	17.79	20.12	15.79
MAX	18.00	39.70	55.50	49.10	40.60	44.10	45.90	50.50	25.40	20.10	24.90	17.00
MIN	15.20	14.70	34.40	34.20	24.40	27.70	25.90	22.70	15.80	15.70	16.10	14.40
CAL YR 1983	MEAN	33.16	MAX	58.10	MIN	14.70						
WTR YR 1984	MEAN	28.26	MAX	55.50	MIN	14.40						

MOBILE RIVER BASIN

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02469762 TOMBIGBEE RIVER BELOW COFFEEVILLE LOCK AND DAM, NEAR COFFEEVILLE, AL--Continued
(National stream-quality accounting network station)

WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 1969 to September 1973, August 1974 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: April 1975 to current year.

WATER TEMPERATURES: April 1975 to current year.

REMARKS.--Miscellaneous samples of chemical data published for water years 1967 and 1969. No specific conductance data and water temperature data for several periods due to equipment malfunctions.

COOPERATION.--Specific conductance and temperature data furnished by the Corps of Engineers.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily, 340 microsiemens Oct. 23, 1981; minimum daily, 54 microsiemens June 7, 1983.

WATER TEMPERATURES: Maximum daily, 34.0°C July 14, 1980; minimum daily, 5.0°C Jan. 20, 1977, Dec. 30, 31, 1983, and Jan. 2, 1984.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum daily, 229 microsiemens Oct. 22; minimum daily, 83 microsiemens Dec. 14.

WATER TEMPERATURES: Maximum daily, 33.0°C July 11, 27, 28; minimum daily, 5.0°C Dec. 30, 31, Jan. 2.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAM- FLOW INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOC- CI FECAL, KF AGAR (COLS. PER 100 ML)	HARD- NESS (MG/L AS CACO3)	HARD- NESS, NONCAR- BONATE (MG/L CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)
OCT 19...	1200	11,600	242	7.6	24.5	15	8.0	K15	83	64	10	19
FEB 14...	0900	61,600	137	7.4	9.0	75	12.0	K900	K1200	50	32	16
APR 10...	0900	73,000	114	6.7	16.0	23	9.3	200	150	43	14	13
AUG 08...	1015	15,300	177	7.4	29.0	8.0	7.8	34	K23	55	15	16
		MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LINITY LAB (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)
OCT 19...	4.0	23	43	1	2.1	54	2.6	29	20	0.10	3.0	135
FEB 14...	2.4	5.1	18	.3	1.3	38	1.4	19	5.3	<.10	6.7	85
APR 10...	2.5	4.4	18	.3	1.3	29	11	18	4.6	<.10	6.2	56
AUG 08...	3.6	10	28	.6	1.7	40	3.1	24	9.8	<.10	3.0	109
		SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	ALUM- INUM, DIS- SOLVED (UG/L AS AL)	ARSENIC DIS- SOLVED (UG/L AS AS)	BARIUM, DIS- SOLVED (UG/L AS BA)	
OCT 19...	130	0.18	0.200	0.080	1.1	0.040	0.010	0.030	20	<1	42	
FEB 14...	67	.12	.300	.070	.70	.080	.060	.050	<10	1	34	
APR 10...	68	.08	.200	.070	2.5	.150	.010	<.010	20	1	29	
AUG 08...	92	.15	.200	<.010	.30	.050	.030	.020	10	1	37	

MOBILE RIVER BASIN

02469762 TOMBIGBEE RIVER BELOW COFFEEVILLE LOCK AND DAM, NEAR COFFEEVILLE, AL--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	BERYL- LIUM DIS- SOLVED (UG/L AS BE)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	COBALT, DIS- SOLVED (UG/L AS CO)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, DIS- SOLVED (UG/L AS PB)	LITHIUM DIS- SOLVED (UG/L AS LI)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MERCURY DIS- SOLVED (UG/L AS HG)	MOLYB- DENUM DIS- SOLVED (UG/L AS MO)
OCT 19...	<.5	<1	1	<3	2	99	1	10	14	<.1	<10
FEB 14...	<.5	<1	<1	<3	1	97	<1	7	23	.3	<10
APR 10...	<1	<1	2	<3	4	210	2	4	7	.1	<10
AUG 08...	<.5	<1	3	<3	1	91	4	<4	1	.4	<10

DATE	NICKEL, DIS- SOLVED (UG/L AS NI)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	SILVER, DIS- SOLVED (UG/L AS AG)	STRON- TIUM, DIS- SOLVED (UG/L AS SR)	VANA- DIUM, DIS- SOLVED (UG/L AS V)	ZINC, DIS- SOLVED (UG/L AS ZN)
OCT 19...		1	<1	<1	120	<6
FEB 14...		2	<1	<1	97	<6
APR 10...		1	<1	<1	76	<6
AUG 08...		<1	<1	<1	98	<6

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 YT-90)	GROSS BETA, SUSP. TOTAL (PCI/L AS YT-90)	RADIUM 226, DIS- SOLVED, RADON METHOD (PCI/L)	URANIUM DIS- SOLVED, EXTRAC- TION (UG/L)
OCT 19...	<3.3	<1.9	3.6	<1.7	3.1	<1.6	0.13	0.18
APR 10...	<1.3	3.0	2.6	2.7	2.2	2.3	.06	.15

DATE	TIME	STREAM- FLOW INSTAN- TANEOUS (CFS)	SEDI- MENT SUS- PENDE (MG/L)	SEDI- MENT DIS- CHARGE SUS- PENDE (T/DAY)	SEDI- MENT SUS- PENDE SIEVE DIAM. % FINER THAN .062 MM
OCT 19...	1200	11,600	19	595	98
FEB 14...	0900	61,600	218	36,300	83
APR 10...	0900	73,000	98	19,300	79
AUG 08...	1015	15,300	21	868	97

02469762 TOMBIGBEE RIVER BELOW COFFEEVILLE LOCK AND DAM NEAR COFFEEVILLE, AL--Continued

SPECIFIC CONDUCTANCE (US/CM), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	190	182	128	116	122	123	122	114	112	152	150	---
2	185	225	162	110	123	124	121	118	110	150	170	181
3	202	206	126	103	124	125	121	110	108	145	173	170
4	190	210	144	108	128	126	123	110	108	---	176	155
5	193	202	133	90	136	124	122	110	107	140	170	160
6	202	195	158	94	124	123	121	110	108	142	171	165
7	197	185	142	100	132	121	123	110	106	141	178	175
8	199	187	104	105	133	115	118	105	118	146	176	165
9	194	182	102	100	134	120	111	92	128	142	166	185
10	190	181	98	106	134	120	108	93	127	150	160	190
11	182	221	93	102	140	118	112	94	132	150	171	190
12	177	196	94	106	138	118	102	91	134	146	180	200
13	176	195	93	106	131	112	102	91	130	146	180	175
14	180	195	83	100	138	115	106	94	130	147	165	190
15	191	205	88	104	130	112	106	97	126	142	160	194
16	198	193	86	111	132	111	106	98	128	140	160	199
17	205	195	95	123	128	112	108	98	130	144	175	190
18	199	197	95	124	125	112	112	100	150	143	175	165
19	198	185	95	111	127	114	120	106	146	144	155	185
20	223	185	98	112	128	114	113	107	138	146	175	186
21	227	180	103	114	127	114	111	106	140	---	180	185
22	229	188	102	115	126	115	110	103	150	150	175	111
23	221	184	111	110	124	113	94	110	150	150	160	104
24	198	182	118	105	122	129	96	110	144	151	160	114
25	216	133	111	146	120	118	104	113	150	150	165	175
26	213	---	112	124	126	116	105	112	150	150	165	175
27	200	150	125	146	120	126	108	110	165	146	170	176
28	180	150	123	138	117	122	110	112	160	148	160	180
29	182	204	120	133	115	132	115	110	165	---	175	185
30	198	---	142	134	---	130	112	110	165	150	160	190
31	198	---	122	128	---	140	---	108	---	151	180	---
MEAN	198	---	113	114	128	120	111	105	134	---	169	---
MAX	229	---	162	146	140	140	123	118	165	---	180	---
MIN	176	---	83	90	115	111	94	91	106	---	150	---

TEMPERATURE (DEG C) OF WATER, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	26.0	22.0	14.5	5.5	8.0	12.5	17.0	20.5	25.0	30.5	30.0	---
2	26.0	22.0	15.0	5.0	8.0	13.0	17.0	21.0	25.0	31.0	30.0	30.0
3	26.0	22.5	15.0	5.5	8.0	13.0	17.5	21.0	25.5	31.0	30.0	29.5
4	26.0	22.0	15.0	9.0	8.0	13.0	17.5	21.0	27.0	---	30.0	29.0
5	25.0	21.5	14.0	10.0	8.5	12.0	18.0	21.0	26.0	31.5	29.0	29.0
6	25.0	21.0	15.0	10.0	8.0	12.5	18.0	21.0	28.0	30.5	29.0	29.0
7	25.0	21.0	15.0	7.0	8.0	12.5	17.5	22.0	28.0	30.5	29.0	29.0
8	25.0	20.0	15.0	6.0	8.0	13.5	17.0	22.0	27.0	30.0	29.0	29.0
9	25.0	20.0	14.0	7.0	9.0	13.5	17.0	22.0	27.0	32.0	30.0	29.5
10	25.0	20.0	13.5	6.5	10.0	13.0	17.0	22.0	27.0	32.0	30.0	29.5
11	25.0	18.0	14.0	6.0	10.0	13.0	16.0	22.0	28.0	33.0	29.0	29.5
12	24.0	19.0	14.0	7.0	10.0	13.0	17.0	22.0	27.0	32.0	29.5	29.5
13	24.0	19.0	14.0	7.0	10.0	14.0	17.0	22.0	29.0	32.0	29.5	30.0
14	24.0	19.0	14.0	6.0	12.0	14.0	17.0	22.5	28.5	31.0	28.5	30.0
15	24.0	19.0	13.5	6.0	13.0	14.5	17.5	22.5	28.5	31.0	28.5	30.0
16	24.0	19.0	13.5	6.0	13.0	15.0	17.5	23.0	29.0	32.0	29.5	29.0
17	24.0	18.0	12.0	7.0	13.0	15.0	18.0	23.0	29.0	32.0	29.5	28.0
18	24.0	18.5	12.0	7.0	14.0	15.0	18.0	23.0	29.5	31.0	29.0	29.0
19	24.0	18.0	11.5	6.0	14.0	16.0	18.0	23.0	30.0	30.5	29.5	28.0
20	24.0	18.0	12.0	6.0	14.0	16.0	19.0	23.5	31.0	31.0	29.5	28.0
21	24.0	18.0	12.0	6.0	14.0	16.0	20.0	23.5	32.0	---	30.0	28.0
22	24.0	18.0	12.0	6.0	14.0	16.5	20.0	23.5	31.0	31.5	30.0	28.0
23	24.0	18.0	10.0	6.0	14.5	17.0	20.0	23.5	30.0	31.0	30.0	28.0
24	24.0	18.0	10.0	6.0	14.5	17.0	20.0	24.0	31.0	31.0	29.5	28.0
25	22.0	18.0	8.0	6.0	14.0	17.0	20.5	25.0	32.0	31.5	29.5	28.0
26	22.0	---	7.5	6.0	14.5	17.0	20.5	25.0	32.0	31.0	29.5	28.0
27	22.0	18.0	7.0	6.5	14.0	17.5	21.0	26.0	31.0	33.0	30.0	28.0
28	21.5	18.0	7.5	6.5	13.0	18.0	21.0	26.5	30.5	33.0	30.0	27.5
29	22.0	15.0	7.0	7.0	13.0	18.0	21.0	26.0	30.0	---	29.5	27.0
30	22.0	---	5.0	7.0	---	17.0	21.0	25.0	30.5	30.0	30.0	26.0
31	21.5	---	5.0	7.5	---	17.0	---	25.0	---	30.0	29.5	---
MEAN	24.0	---	12.0	6.5	11.5	15.0	18.5	23.0	29.0	---	29.5	---
MAX	26.0	---	15.0	10.0	14.5	18.0	21.0	26.5	32.0	---	30.0	---
MIN	21.5	---	5.0	5.0	8.0	12.0	16.0	20.5	25.0	---	28.5	---

MOBILE RIVER BASIN

02469800 SATILPA CREEK NEAR COFFEEVILLE, AL

LOCATION.--Lat 31°44'39", long 88°01'21", in SE¼ sec. 13, T. 9 N., R. 1 W., Clarke County, Hydrologic Unit 03160203, near left bank on downstream side of bridge on State Highway 12, 0.2 mi upstream from unnamed tributary, 3 mi downstream from Harris Creek, and 3.8 mi east of Coffeeville.

DRAINAGE AREA.--164 mi² (revised).

PERIOD OF RECORD.--June 1956 to September 1970. Flood hydrograph and low flow, water years 1971-74. October 1974 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 80 ft.

REMARKS.--Records good. Records of specific conductance and water temperature for the water year 1984 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--24 years (water years 1957-70, 1975-84), 233 ft³/s, 19.29 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 25,600 ft³/s July 8, 1956, gage height, 18.37 ft; minimum, 4.8 ft³/s Oct. 21, 1963.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 3,650 ft³/s Dec. 29, gage height, 13.65 ft, no other peak above base of 2,600 ft³/s; minimum, 12 ft³/s Sept. 27, 28, 29, 30.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	28	27	243	409	224	327	210	172	87	69	79	36
2	26	27	205	354	218	279	200	142	77	148	250	33
3	25	27	228	317	340	260	781	329	70	72	308	32
4	25	32	912	286	570	264	889	646	64	44	145	52
5	25	75	528	268	315	409	389	278	58	36	136	36
6	25	56	709	248	250	774	277	187	53	34	124	31
7	24	39	818	229	223	482	237	148	50	39	95	27
8	23	34	355	212	213	320	228	408	47	85	96	24
9	23	32	270	203	207	269	603	297	44	70	120	22
10	24	34	231	568	219	237	413	178	41	40	170	20
11	33	31	680	631	229	223	291	140	38	34	146	32
12	35	30	1230	331	218	212	250	118	36	33	148	29
13	44	29	552	277	530	205	226	103	69	49	123	25
14	41	36	363	248	339	197	212	93	79	97	175	22
15	32	179	291	316	250	185	200	311	49	74	190	21
16	29	155	233	497	233	175	179	149	50	90	117	19
17	28	84	207	337	237	170	171	100	94	165	79	17
18	27	58	193	579	206	164	160	82	49	86	67	16
19	26	51	185	1160	196	159	154	74	39	50	57	15
20	26	603	174	745	196	614	162	69	35	37	47	15
21	25	396	167	428	192	599	147	74	33	30	136	15
22	28	146	179	345	190	274	139	760	32	28	73	14
23	179	179	185	317	183	218	143	1070	34	26	50	14
24	115	889	161	339	170	292	123	285	42	39	40	14
25	58	450	142	575	161	1380	112	178	48	31	36	14
26	41	200	135	448	156	1300	104	144	35	30	35	13
27	34	336	176	410	1020	530	106	125	32	30	34	13
28	31	1630	1450	349	1390	384	112	128	30	30	33	12
29	29	1060	2930	291	554	300	420	167	31	81	40	12
30	28	331	1320	263	---	247	308	141	56	103	105	13
31	27	---	533	238	---	225	---	102	---	87	49	---
TOTAL	1164	7256	15985	12218	9429	11674	7946	7198	1502	1867	3303	658
MEAN	37.5	242	516	394	325	377	265	232	50.1	60.2	107	21.9
MAX	179	1630	2930	1160	1390	1380	889	1070	94	165	308	52
MIN	23	27	135	203	156	159	104	69	30	26	33	12
CFSM	.23	1.48	3.15	2.40	1.98	2.30	1.62	1.41	.31	.37	.65	.13
IN.	.26	1.65	3.63	2.77	2.14	2.65	1.80	1.63	.34	.42	.75	.15
CAL YR 1983	TOTAL	159461	MEAN	437	MAX	11000	MIN	23	CFSM	2.66	IN.	36.17
WTR YR 1984	TOTAL	80200	MEAN	219	MAX	2930	MIN	12	CFSM	1.34	IN.	18.19

MOBILE RIVER BASIN

195

02471001 CHICKASAW CREEK NEAR KUSHLA, AL

LOCATION.--Lat 30°48'10", long 88°08'36", in NE¼ sec. 11, T. 3 S., R. 2 W., Mobile County, Hydrologic Unit 03160204, on left bank at upstream side of highway bridge, 0.7 mi upstream from Seabury Creek, 1.4 mi south-east of Kushla, 7 mi northwest of Mobile, and at mile 12.2.

DRAINAGE AREA.--125 mi².

PERIOD OF RECORD.--October 1951 to current year. Prior to October 1968, published as "near Whistler."

REVISED RECORDS.--WSP 1434: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 3.85 ft National Geodetic Vertical Datum of 1929. Prior to Aug. 2, 1964, water-stage recorder, Aug. 3, 1964, to Dec. 9, 1965, nonrecording gage, and Dec. 10, 1965, to September 1968, water-stage recorder at site 1.4 mi upstream at different datum.

REMARKS.--Records good except for period of no gage height records, Jan. 25 to Mar. 5, which are poor. Records of specific conductance and water temperature for the water year 1984 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--33 years, 278 ft³/s, 30.20 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 42,000 ft³/s Apr. 13, 1955, gage height, 25.4 ft, from flood-marks, site and datum then in use, from rating curve extended about 10,600 ft³/s, on basis of slope-area measurement of peak flow; minimum, 18 ft³/s Sept. 3, 4, 1954.

EXTREMES FOR CURRENT YEAR.--Peak discharges above 1,500 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec. 11	2400	2,370	13.86	May 23	1400	*4,220	*16.18
Jan. 11	1100	1,920	12.95	Aug. 2	2000	2,520	14.14

Minimum discharge, 61 ft³/s Sept. 30.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1	92	87	184	439	370	1400	187	138	152	118	582	122	
2	91	88	159	382	350	1000	183	133	137	101	2090	106	
3	90	86	169	346	320	850	741	142	126	92	1710	99	
4	95	85	478	317	1300	600	904	155	116	94	953	166	
5	101	99	578	295	900	460	502	141	109	95	652	259	
6	95	122	481	279	700	1150	316	125	105	175	511	145	
7	92	103	562	261	500	1020	264	118	103	136	347	109	
8	89	96	389	244	400	611	364	112	101	105	278	96	
9	88	94	257	234	350	446	1090	132	99	116	226	89	
10	90	94	215	835	310	377	850	122	94	97	189	86	
11	116	91	1560	1700	280	340	486	107	89	88	171	84	
12	177	88	1850	779	260	321	366	98	88	86	216	84	
13	304	87	878	486	300	330	317	93	225	107	222	84	
14	232	90	513	398	380	319	282	90	198	121	311	79	
15	146	99	402	370	420	292	249	87	132	122	413	82	
16	118	123	333	443	380	267	228	83	441	185	273	127	
17	109	116	292	431	500	251	219	80	311	225	194	83	
18	103	101	264	474	650	240	206	79	296	185	169	78	
19	99	98	245	588	490	239	195	77	199	183	167	78	
20	96	255	233	507	450	604	190	78	145	126	146	76	
21	92	359	220	388	480	653	185	92	135	98	155	73	
22	93	234	327	335	420	448	183	687	119	87	154	70	
23	112	155	426	315	380	312	187	3300	104	80	136	69	
24	116	425	332	609	300	272	169	1180	122	83	130	69	
25	106	533	250	830	250	271	152	436	141	107	116	68	
26	99	320	221	580	230	255	144	300	108	117	150	67	
27	95	219	237	480	360	239	150	243	93	95	203	65	
28	91	427	761	450	700	242	169	213	99	87	198	64	
29	88	411	1390	500	980	223	159	219	115	94	165	63	
30	87	250	974	450	---	201	146	230	107	295	199	61	
31	87	---	593	390	---	193	---	175	---	182	172	---	
TOTAL	3489	5435	15773	15135	13710	14426	9783	9265	4409	3882	11598	2801	
MEAN	113	181	509	488	473	465	326	299	147	125	374	93.4	
MAX	304	533	1850	1700	1300	1400	1090	3300	441	295	2090	259	
MIN	87	85	159	234	230	193	144	77	88	80	116	61	
CFSM	.90	1.45	4.07	3.90	3.78	3.72	2.61	2.39	1.18	1.00	2.99	.75	
IN.	1.04	1.62	4.69	4.50	4.08	4.29	2.91	2.76	1.31	1.16	3.45	.83	
CAL YR 1983	TOTAL	153857		MEAN	422	MAX	9690	MIN	85	CFSM	3.38	IN.	45.79
WTR YR 1984	TOTAL	109706		MEAN	300	MAX	3300	MIN	61	CFSM	2.40	IN.	32.65

RESERVOIRS IN MOBILE RIVER BASIN

- 02393500 ALLATOONA RESERVOIR.--Lat 34°09'46", long 84°43'40", Bartow County, Ga., Hydrologic Unit 03150104; at forebay of dam on Etowah River, 2.8 mi upstream from Nashville, Chattanooga & St. Louis Railway bridge, 4 mi east of Cartersville, Ga. and 6 mi upstream from Pumpkinvine Creek. DRAINAGE AREA, 1,120 mi² (revised). PERIOD OF RECORD, December 1949 to current year. REVISED RECORDS, WRD GA-80-1: Drainage area. GAGE, water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Lake is formed by concrete gravity dam. Spillway (crest elevation, 835.0 ft) is equipped with nine taintor gates 40 ft wide by 25 ft high. There are four sluices 5.67 ft by 10 ft high and one sluice 4.0 ft in diameter. Storage began Dec. 27, 1949; water in lake first reached minimum pool elevation Feb. 5, 1950. Total capacity at elevation 860.0 ft, top of gates, is 670,000 acre-ft, of which 587,100 acre-ft is controlled storage above 800.0 ft, 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 Apr. 10, 1964, elevation, 861.19 ft; minimum, 119,600 acre-ft Dec. 4, 1954, elevation, 809.34 ft.
- EXTREMES FOR CURRENT YEAR: Maximum contents, 454,000 acre-ft Aug. 8, elevation, 846.75 ft; minimum, 230,000 acre-ft Feb. 3, elevation 826.40.
- 02399499 WEISS LAKE.--Lat 34°10'19", long 85°45'14", in SE¼ sec. 12, T. 10 S., R. 8 E., Cherokee County, Hydrologic Unit 03150105, about 75 ft upstream from centerline of left end of Weiss Dam on Coosa River on U.S. Highway 411, 1.2 mi east of Leesburg, 4 mi upstream from Yellow Creek, and at mile 226.1. DRAINAGE AREA, 5,270 mi², approximately. PERIOD OF RECORD, March 1961 to current year. GAGE, water-stage recorder with remote indicating gages, referenced to a vertical staff gage. Datum of gage is National Geodetic Vertical Datum of 1929.
- Reservoir is formed by a compacted earth dam with a concrete gated spillway section. Spillway is equipped with five taintor gates 40 ft wide by 38 ft high. Storage began Mar. 28, 1961. Total capacity at elevation 564 ft is 360,400 acre-ft. Reservoir is used for power development and flood control. Gage-height record and capacity table furnished by Alabama Power Co.
- EXTREMES FOR PERIOD OF RECORD: Maximum daily contents, 559,100 acre-ft Apr. 8, 1977, elevation, 570.91 ft; minimum daily contents, 127,200 acre-ft Jan. 1, 1970, elevation, 556.31 ft.
- EXTREMES FOR CURRENT YEAR: Maximum daily contents, 364,400 acre-ft Aug. 2, elevation, 565.83 ft; minimum daily contents, 140,700 acre-ft Jan. 17, elevation, 557.08 ft.
- 02401620 H. NEELY HENRY RESERVOIR.--Lat 33°47'02", long 86°03'10", in N¼ sec. 31, T. 14 S., R. 6 E., Calhoun County, Hydrologic Unit 03150106, at forebay of Henry Dam on Coosa River, near Ohatchee, and 16 mi south of Gadsden. DRAINAGE AREA, 6,596 mi² (revised). PERIOD OF RECORD, April 1966 to current year. GAGE, water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929 (levels by Alabama Power Co.). Reservoir is formed by a compacted earth dam with a concrete gated spillway section. Spillway is equipped with six taintor gates 40 ft wide by 29 ft high. Storage began Feb. 23, 1966. Total capacity at elevation 508 ft is 120,850 acre-ft. Reservoir is used for power development and flood control. Gage-height record and capacity table furnished by Alabama Power Co.
- EXTREMES FOR PERIOD OF RECORD: Maximum daily contents, 126,800 acre-ft Oct. 19, 1966, elevation, 508.52 ft; minimum daily contents, 51,890 acre-ft Apr. 2, 1966, elevation, 499.88 ft.
- EXTREMES FOR CURRENT YEAR: Maximum daily contents, 121,500 acre-ft June 24, elevation, 508.06 ft; minimum daily contents, 68,200 acre-ft Dec. 4, May 8, elevation, 502.42 ft.
- 02405200 LOGAN MARTIN RESERVOIR.--Lat 33°24'33", long 86°20'17", in NW¼ sec. 33, T. 18 S., R. 3 E., St. Clair County, Hydrologic Unit 03150106, at Logan Martin Dam on Coosa River, 2 mi upstream from Kelly Creek, and 10 mi north of Childersburg, Ala. DRAINAGE AREA, 7,743 mi² (revised). PERIOD OF RECORD, July 1964 to current year. GAGE, water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929.
- Reservoir is formed by a compacted earth dam with gated concrete spillway section. Spillway is equipped with six taintor gates 40 ft wide by 38 ft high and one stoney-type trash gate 20 ft wide by 22.5 ft high. Storage began June 21, 1964. Total capacity at elevation 465 ft (top of power pool) is 273,300 acre-ft of which 142,107 acre-ft is usable storage above elevation 452.5 ft (minimum pool). Reservoir is used for power development and flood control. Gage-height record and capacity tables furnished by Alabama Power Co.
- EXTREMES FOR PERIOD OF RECORD: Maximum daily contents, 475,800 acre-ft Apr. 6, 1977, elevation, 475.31 ft; minimum daily contents, 186,100 acre-ft Oct. 17, 1972, elevation, 458.27 ft.
- EXTREMES FOR CURRENT YEAR: Maximum daily contents, 374,100 acre-ft Dec. 7, elevation, 470.74 ft; minimum daily, 185,600 acre-ft Mar. 24, elevation, 458.23 ft.
- 02407950 LAY LAKE.--Lat 32°57'54", long 86°31'03", in NE¼ sec. 24, T. 23 N., R. 15 E., Chilton County, Hydrologic Unit 03150107, at Lay Dam on Coosa River, 0.5 mi upstream from Page Creek, and 11 mi northeast of Clanton. DRAINAGE AREA, 9,053 mi² (revised). GAGE, water-stage recorder with remote indicating gages. Prior to May 14, 1968, staff gage. Datum of gage is National Geodetic Vertical Datum of 1929 (levels by Alabama Power Co.). Prior to Jan. 1, 1966, at old Coosa River datum, 37.9 ft lower.
- Reservoir is formed by a concrete gravity-type dam equipped with 26 radial gates 30 ft wide by 17 ft high. The pool was filled on Jan. 4, 1968. Total capacity at elevation 396.0 ft (top of gates) is 262,774 acre-ft, of which 117,780 acre-ft is controlled storage above elevation 382.0 ft (minimum pool). Prior to May 14, 1968, reservoir was formed by a concrete gravity-type dam, completed April 1914. Dam was equipped with 26 vertical lift gates 30 ft wide by 14 ft high. Total capacity at elevation 382.0 ft was 144,994 acre-ft. Reservoir is used for power development. Gage-height record and capacity table furnished by Alabama Power Co.

RESERVOIRS IN MOBILE RIVER BASIN--Continued

02409400 MITCHELL LAKE.--Lat 32°48'30", long 86°26'30", in NE¼ sec. 15, T. 21 N., R. 16 E., Chilton County, Hydrologic Unit 03150107, at Mitchell Dam on Coosa River, 5 mi downstream from Hatchet Creek, and 11 mi south-east of Clanton, Ala. DRAINAGE AREA, 9,778 mi² (revised). GAGE, staff gage. Datum of gage is National Geodetic Vertical Datum of 1929 (levels by Alabama Power Co.). Prior to Jan. 1, 1966, at old Coosa River datum, 38.08 ft lower.

Reservoir is formed by concrete gravity-type dam, completed August 1923, equipped with 26 radial gates 30 ft wide and 15 ft high. Total storage at elevation 311.9 ft (top of power pool) is 172,000 acre-ft, of which 33,300 acre-ft is usable storage above elevation 305.9 ft. Reservoir is used for power development. Gage-height record and capacity table furnished by Alabama Power Co.

02410400 JORDAN LAKE.--Lat 32°37'07", long 86°15'19", in N¼ sec. 22, T. 19 N., R. 18 E., Elmore County, Hydrologic Unit 03150107, at Jordan Dam on Coosa River, 4 mi upstream from Pigeonroost Creek, and 5 mi north west of Wetumpka, Ala. DRAINAGE AREA, 10,102 mi² (revised). GAGE, water-stage recorder with remote indicating gages. Prior to February 1967, staff gage. Datum of gage is National Geodetic Vertical Datum of 1929 (levels by Alabama Power Co.). Prior to Jan. 1, 1966, at old Coosa River datum 38.0 ft lower.

Reservoir, completed January 1929, is formed by a concrete arch-type dam equipped with 17 taintor gates 30 ft wide by 18 ft high and 18 taintor gates 34 ft wide and 8.1 ft high. Prior to Mar. 25, 1967, the dam was equipped with 17 radial gates 30 ft wide by 18 ft high and 642 ft open-crest spillway.

Bouldin Hydro Plant (completed February 1967, failed Feb. 9, 1975).--Lat 32°34'58", long 86°17'02", in SE¼ sec. 32, T. 19 N., R. 18 E., Elmore County, also utilizes the water from Jordan Reservoir through a canal approximately 1 mi north of Jordan Dam joining the Bouldin Hydro Plant forebay with Jordan Reservoir. The discharge from Bouldin Hydro Plant flows through a 4.5 mi canal to the Coosa River at approximately 7 mi downstream from Wetumpka. There are no facilities at Bouldin Hydro Plant for releasing hydraulic flows in excess of generating capabilities of Jordan and Bouldin Hydro Plants. Total storage at elevation 252.0 ft is 236,200 acre-ft, of which 58,000 acre-ft is usable storage above elevation 242.0 ft. Reservoir is used for power development. Gage-height record and storage tables furnished by Alabama Power Co.

02417500 LAKE MARTIN.--Lat 32°40'41", long 85°54'30", in sec. 36, T. 20 N., R. 21 E., Tallapoosa County, Hydrologic Unit 03150109, at forebay of Martin Dam on Tallapoosa River, 5 mi upstream from Sougahatchee Creek, and 10 mi north of Tallassee, Ala. DRAINAGE AREA, 2,984 mi² (revised). PERIOD OF RECORD, October 1927 to current year. GAGE, remote indicating gage referenced to wire weight gage. Datum of gage is National Geodetic Vertical Datum of 1929 (levels by Alabama Power Co.), adjustment unknown.

Lake is formed by a combination arch and gravity concrete dam with a riprap earth embankment on left or east end. Spillway is equipped with 20 modified stoney-type gates, 30 ft wide and 16 ft high. Storage began in the summer of 1926, and the powerhouse was completed in the summer of 1927. Total capacity at elevation 490.00 ft (top of gates) is 1,622,000 acre-ft, of which 1,375,000 acre-ft is controlled storage above elevation 430.00 ft (minimum pool). Lake is used for power development. Gage-height record and capacity table furnished by Alabama Power Co.

EXTREMES FOR PERIOD OF RECORD: Maximum daily contents since Oct. 1, 1940, 1,648,900 acre-ft Apr. 14, 1979, elevation, 490.69 ft; minimum daily, 555,000 acre-ft June 29, 1941, elevation 452.12 ft.

EXTREMES FOR CURRENT YEAR: Maximum daily contents, 1,660,200 acre-ft Aug. 3, elevation, 490.96 ft; minimum daily, 1,330,200 acre-ft Feb. 26, elevation, 482.08 ft.

02451950 LEWIS SMITH RESERVOIR.--Lat 33°56'26", long 87°06'28", in W¼ sec. 6, T. 13 S., R. 5 W., Walker County, Hydrologic Unit 03160110, at forebay of Lewis Smith Dam on Sipsey Fork of Mulberry Fork of Black Warrior River, 1.2 mi downstream from Ryan Creek, 2.5 mi upstream from Mill Creek, 2.5 mi upstream from State Highway 69, 14 mi northwest of Jasper, and at mile 13.5. DRAINAGE AREA, 945 mi². PERIOD OF RECORD, October 1960 to current year. GAGE, water-stage recorder with remote indicating gages. Datum of gage is National Geodetic Vertical Datum of 1929 (levels by Alabama Power Co.), adjustment unknown.

Reservoir is formed by an earth and rock-fill dam 300 ft high and 2,200 ft long with fixed crest spill-way 956 ft long. Storage began Oct. 3, 1960. Capacity at elevation 522 ft (crest of spillway) is 1,670,700 acre-ft. Storage of 394,000 acre-ft is provided between elevations of 488 ft and 510 ft for power generation. Approximately 281,000 acre-ft of storage for flood control is provided between elevations of 510 ft and 522 ft. Reservoir is used for power development and flood control. Gage-height record and capacity table furnished by the Alabama Power Co.

EXTREMES FOR PERIOD OF RECORD: Maximum daily contents, 1,649,500 acre-ft Mar. 19, 1973, elevation, 521.17 ft; minimum daily since reservoir was filled to elevation 510.00 ft operating pool (Jan. 6, 1962), 1,008,400 acre-ft Dec. 2, 1971, elevation, 488.84 ft.

EXTREMES FOR CURRENT YEAR: Maximum daily contents, 1,542,000 acre-ft May 9, elevation, 516.78 ft; minimum daily, 1,093,500 acre-ft Oct. 10, elevation, 494.20 ft.

02413950 HARRIS RESERVOIR.--Lat 33°15'37", long 85°37'00", in NW¼, Sec. 28, T. 20 S., R. 10 E., Randolph County, Hydrologic Unit 03150109, formed by Harris Dam constructed across the Tallapoosa River, 0.8 mi upstream of Crooked Creek, and 7 mi west of Wedowee. DRAINAGE AREA, 1,453 mi², approximately. PERIOD OF RECORD, April to September 1983.

GAGE, remote water stage recorder and indicating gages, referenced to vertical staff gage. Datum of gage is National Geodetic Vertical Datum of 1929 (levels by Alabama Power Company).

Reservoir is formed by a compacted earth dam with a concrete gated spillway section. Spillway is equipped with six radial gates 40 ft wide and 40.4 ft high. Storage began Oct. 27, 1982. Surface area at elevation 793.0 ft (top of power pool) is 10,660 acres. Total storage at elevation 793.0 ft is 425,700 acre-ft of which 207,300 acre-ft is usable storage above elevation 768.0 ft. Reservoir is used for power development and flood control. Gage height and capacity table furnished by Alabama Power Company.

MONTHEND ELEVATION AND CONTENTS AT 2400, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

Date	Elevation (feet)	Contents (acre-ft)	Change in contents (acre-ft)	Elevation (feet)	Contents (acre-ft)	Change in contents (acre-ft)
02393500 ALLATOONA RESERVOIR				02399499 WEISS LAKE		
Sept. 30.....	834.40	305,200	.....	562.59	265,800	.....
Oct. 31.....	832.26	283,500	-21,700	561.28	231,400	-34,400
Nov. 30.....	833.18	292,700	+9,200	561.17	228,600	-2,800
Dec. 31.....	836.79	330,800	+38,100	561.43	235,200	-6,600
CAL YR 1983	.....	.....	+83,500	.....	.....	+96,700
Jan. 31.....	828.62	231,900	-98,900	559.30	184,900	-50,300
Feb. 28.....	832.67	287,600	+55,700	560.88	221,400	+36,500
Mar. 31.....	837.31	336,500	+48,900	562.12	253,100	+31,700
Apr. 30.....	842.16	393,700	+57,200	563.04	278,400	+25,300
May 31.....	842.36	396,200	+2,500	563.81	300,700	+22,300
June 30.....	842.17	393,800	-2,400	564.23	313,300	+12,600
July 31.....	844.58	424,700	+30,900	565.01	337,600	+24,300
Aug. 31.....	840.41	372,400	-52,300	563.91	303,600	-34,000
Sept. 30.....	836.67	329,400	-43,000	563.78	299,800	-3,800
WTR YR 1984	.....	.....	+24,200	.....	.....	+34,000
02401620 H. NEELEY HENRY RESERVOIR				02405200 LOGAN MARTIN RESERVOIR		
Sept. 30.....	507.54	115,800	.....	464.55	266,500	.....
Oct. 31.....	507.71	117,600	+1,800	462.24	233,900	-32,600
Nov. 30.....	505.10	91,400	-26,200	462.95	243,600	+9,700
Dec. 31.....	505.03	90,700	-700	461.75	227,500	-16,100
CAL YR 1983	.....	.....	+6,300	.....	.....	+25,300
Jan. 31.....	503.98	81,500	-9,200	459.71	202,300	-25,200
Feb. 28.....	504.52	86,200	+4,700	459.69	202,100	-200
Mar. 31.....	504.18	83,200	-3,000	459.51	200,000	-2,100
Apr. 30.....	506.82	108,100	+24,900	464.15	260,600	+60,600
May 31.....	507.37	113,700	+5,600	464.75	269,500	+8,900
June 30.....	507.99	120,700	+7,000	464.84	270,900	+1,400
July 31.....	502.52	69,900	-50,800	465.24	277,000	+6,100
Aug. 31.....	507.09	111,000	+41,100	464.60	267,300	-9,700
Sept. 30.....	507.76	118,200	+7,200	464.81	270,400	+3,100
WTR YR 1984	.....	.....	+2,400	.....	.....	+3,900
COMBINED LAY, MITCHELL, AND JORDAN LAKES				02417500 LAKE MARTIN		
Sept. 30.....	.....	642,400	.....	485.91	1,467,000	.....
Oct. 31.....	.....	643,700	+1,300	485.02	1,434,500	-32,500
Nov. 30.....	.....	673,900	+30,200	485.12	1,438,200	+3,700
Dec. 31.....	.....	669,300	-4,600	488.32	1,557,300	+119,100
CAL YR 1983	.....	.....	-1,700	.....	.....	+213,600
Jan. 31.....	.....	656,200	-13,100	485.48	1,451,300	-106,000
Feb. 28.....	.....	660,000	+3,800	483.08	1,365,300	-86,000
Mar. 31.....	.....	667,000	+7,000	485.44	1,449,800	+84,500
Apr. 30.....	.....	660,000	-7,000	488.97	1,582,300	+132,500
May 31.....	.....	666,900	+6,900	489.71	1,611,000	+28,700
June 30.....	.....	664,000	-2,900	489.72	1,611,400	+400
July 31.....	.....	667,900	+3,900	489.83	1,615,700	+4,300
Aug. 31.....	.....	655,000	-12,900	487.38	1,521,700	-94,000
Sept. 30.....	.....	640,700	-14,300	485.68	1,458,600	-63,100
WTR YR 1984	.....	.....	-1,700	.....	.....	-8,400
02452950 LEWIS SMITH RESERVOIR				02413950 HARRIS RESERVOIR		
Sept. 30.....	494.60	1,100,100	.....	785.60	352,700	.....
Oct. 31.....	494.38	1,096,400	-3,700	786.65	362,300	+9,600
Nov. 30.....	497.31	1,146,100	+49,700	785.37	350,500	-11,800
Dec. 31.....	504.78	1,283,700	+137,600	786.36	359,600	+9,100
CAL YR 1983	.....	.....	-70,300	.....	.....	.....
Jan. 31.....	503.53	1,259,500	-24,200	784.57	343,500	-16,100
Feb. 28.....	500.71	1,206,700	-52,800	785.16	352,200	+8,700
Mar. 31.....	500.98	1,347,800	+141,100	483.97	338,000	-14,200
Apr. 30.....	511.66	1,425,700	+77,900	792.03	415,500	+77,500
May 31.....	511.42	1,420,500	-5,200	792.96	425,300	+9,800
June 30.....	508.03	1,348,900	-71,600	793.02	425,900	+600
July 31.....	503.63	1,261,500	-87,400	792.87	424,300	-1,600
Aug. 31.....	499.01	1,176,000	-85,500	790.03	395,000	-29,300
Sept. 30.....	495.87	1,121,400	-54,600	786.86	364,300	-26,700
WTR YR 1984			+21,300			+15,600

PASCAGOULA RIVER BASIN

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02479431 POND CREEK NEAR DEER PARK, AL

LOCATION.--Lat 31°09'39", long 88°21'43', in SW¼SW¼ sec. 2, T. 2 N., R. 4 W., Washington County, Hydrologic Unit 03170008, near right bank on downstream side of bridge on county road 9, 1.3 mi upstream from mouth, and 5 mi southwest of Deer Park.

DRAINAGE AREA.--20.40 mi² (revised).

PERIOD OF RECORD.--October 1976 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 128 ft.

REMARKS.--Records fair except for period of no gage-height record April 14 to June 3, which are poor. Records of specific conductance and water temperature for the water year 1984 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--8 years, 42.2 ft³/s, 28.09 in/yr.

EXTREMES FOR PERIOD OF RECORD.-- Maximum discharge, 3,780 ft³/s Apr. 7, 1983, gage height, 21.00 ft (from high water marks), minimum, 0.19 ft³/s Oct. 1, 2, 7, 1981.

EXTREMES FOR CURRENT YEAR.-- Peak discharges above base of 450 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Nov. 28	0900	512	6.52	Feb. 27	1345	*833	*8.77
Dec. 28	1845	585	7.11	May 23	unknown	760	8.31

Minimum discharge, 0.27 ft³/s Sept. 29, 30.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1	1.8	3.2	46	63	28	70	19	23	4.6	1.4	20	18	
2	1.7	3.1	32	53	26	54	18	19	3.5	1.0	42	6.4	
3	1.6	2.8	35	45	60	55	119	15	2.8	6.3	49	3.4	
4	1.4	3.1	79	39	104	93	162	12	2.3	4.3	43	2.8	
5	1.4	5.2	89	35	89	141	75	40	2.1	2.3	28	5.2	
6	1.4	5.9	117	32	52	301	40	90	1.8	2.2	13	6.7	
7	1.4	5.0	167	28	36	161	29	55	1.7	1.9	6.3	3.5	
8	1.3	4.2	88	25	31	96	63	15	1.5	1.4	4.0	2.2	
9	1.3	3.9	53	24	29	66	172	11	1.4	1.0	2.6	1.6	
10	4.5	3.7	36	117	29	51	125	9.0	1.3	.90	1.9	1.3	
11	28	3.4	85	150	29	43	65	8.0	1.2	.77	1.5	4.7	
12	58	3.1	123	82	33	39	42	7.0	1.1	1.1	1.9	3.1	
13	36	2.9	87	52	62	44	34	6.0	1.1	2.8	2.7	1.8	
14	16	3.0	55	39	76	40	27	5.5	.96	2.9	3.9	1.2	
15	9.4	5.3	40	46	50	34	23	5.0	.89	2.3	4.5	1.0	
16	6.9	8.4	31	70	70	28	19	4.5	.92	1.3	3.5	.86	
17	5.5	7.5	25	77	104	24	17	4.0	.97	1.4	2.3	.74	
18	4.6	5.8	22	106	80	21	16	3.5	.97	2.6	1.8	.65	
19	4.0	6.1	20	160	50	24	15	7.0	1.1	2.0	1.3	.54	
20	3.5	109	19	102	39	94	14	18	1.4	1.3	1.0	.52	
21	3.1	147	18	65	37	117	13	42	1.5	.99	1.0	.48	
22	3.1	67	149	47	37	69	12	170	1.1	.81	1.7	.48	
23	22	38	177	41	33	36	21	460	.98	.67	1.1	.44	
24	34	132	92	55	27	50	36	120	1.1	.69	1.8	.41	
25	25	150	51	89	22	154	20	52	2.0	1.8	1.7	.40	
26	11	73	34	93	25	113	17	20	2.1	5.0	37	.37	
27	7.6	67	46	80	554	62	14	8.6	1.4	4.4	60	.35	
28	5.7	361	417	65	214	46	15	6.0	1.1	7.9	37	.31	
29	4.5	153	287	49	101	37	20	4.8	1.4	25	59	.30	
30	3.8	77	144	37	---	28	28	5.4	2.3	17	93	.29	
31	3.4	---	85	31	---	22	---	6.3	---	7.5	48	---	
TOTAL	312.9	1459.6	2749	1997	2127	2213	1290	1252.6	48.59	112.93	575.5	70.04	
MEAN	10.1	48.7	88.7	64.4	73.3	71.4	43.0	40.4	1.62	3.64	18.6	2.33	
MAX	58	361	417	160	554	301	172	460	4.6	25	93	18	
MIN	1.3	2.8	18	24	22	21	12	3.5	.89	.67	1.0	.29	
CFSM	.50	2.39	4.35	3.16	3.59	3.50	2.11	1.98	.08	.18	.91	.11	
IN.	.57	2.66	5.01	3.64	3.88	4.04	2.35	2.28	.09	.21	1.05	.13	
CAL YR 1983	TOTAL	26577.0		MEAN	72.8	MAX	2840	MIN	1.3	CFSM	3.57	IN.	48.46
WTR YR 1984	TOTAL	14208.16		MEAN	38.8	MAX	554	MIN	.29	CFSM	1.90	IN.	25.91

PASCAGOULA RIVER BASIN

02479560 ESCATAWPA RIVER NEAR AGRICOLA, MS

LOCATION.--Lat 30°48'32", long 88°27'41", in SW $\frac{1}{4}$ sec. 2, T. 3 S., R. 5 W., George County, MS, Hydrologic Unit 03170008, near left bank on downstream side of bridge on county road 612, 6.7 mi west of Wilmer, Ala., 2.5 mi west of Alabama-Mississippi State line, 3.7 mi east of Agricola, Miss., and 4.8 mi below old gage at Escatawpa River near Wilmer, Ala.

DRAINAGE AREA.--562 mi² (revised).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--August 1973 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 50 ft.

REMARKS.--Water-discharge records good.

AVERAGE DISCHARGE.--11 years, 1,310 ft³/s, 31.65 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 33,700 ft³/s Apr. 9, 1983, gage height, 22.39 ft; minimum, 108 ft³/s Oct. 3, 4, 1981.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of March 1929 reached an elevation of 72.0 ft $\pm$ 1.0 ft, National Geodetic Vertical datum of 1929, as determined from historical data. Peak discharge of this flood is unknown but in all probability has not been exceeded since 1929.

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

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec. 11	1900	5,210	14.71	May 23	1200	*7,470	*16.24
Dec. 30	0300	6,460	15.67				

Minimum discharge, 143 ft³/s Sept. 30.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1	245	245	2650	4310	1310	4110	1190	346	592	308	725	479	
2	236	236	2320	3510	1190	3560	1010	333	484	263	1750	375	
3	231	228	1750	2650	1580	2810	1830	335	435	237	2020	316	
4	233	225	2120	2010	3510	2170	2520	349	409	250	2190	312	
5	235	275	2080	1670	2950	2130	2240	358	375	251	2190	439	
6	233	294	2050	1430	1980	3890	1670	626	332	300	1860	413	
7	225	281	2380	1260	1580	4740	1500	1850	304	344	1170	392	
8	218	259	2210	1140	1390	3860	1730	2260	280	529	848	316	
9	213	249	2030	1040	1280	2820	2800	1650	259	446	617	258	
10	219	245	2000	1960	1190	2240	3190	1100	241	361	492	237	
11	309	237	3940	2900	1130	1850	2430	810	226	270	432	233	
12	392	231	4570	2400	1080	1590	1800	616	221	225	480	364	
13	454	229	3080	1890	1500	1450	1430	474	392	274	757	347	
14	453	231	2190	1650	1660	1430	1180	366	549	300	675	266	
15	416	241	2100	1540	1460	1250	1010	308	538	286	701	228	
16	385	294	1880	1780	1650	1070	870	269	828	322	612	407	
17	356	293	1580	1860	2440	956	756	242	435	545	516	310	
18	322	282	1330	2100	2210	883	650	229	400	968	493	239	
19	291	269	1150	2630	1900	841	576	217	336	723	472	208	
20	262	500	1000	2730	1680	2070	539	210	283	474	414	193	
21	245	901	883	2500	1570	3220	508	330	246	326	413	181	
22	240	969	1140	2420	1510	2260	503	4770	234	279	358	172	
23	272	774	2230	2190	1340	1630	573	7370	240	256	352	171	
24	344	1300	2140	2200	1180	1400	502	6740	996	259	357	167	
25	385	1920	1510	2620	1050	1520	434	5070	629	294	359	162	
26	373	1730	1220	2620	938	2060	394	3310	422	260	311	157	
27	336	1600	1130	2310	2510	2510	396	2020	306	236	317	152	
28	318	2240	3170	2080	4440	2270	399	1510	285	219	484	149	
29	306	2760	5830	1850	4690	2280	383	1360	282	388	517	145	
30	284	2590	6230	1650	---	2030	364	1050	293	981	594	144	
31	260	---	5140	1460	---	1510	---	780	---	817	599	---	
TOTAL	9291	22128	75033	66360	53898	68410	35377	47258	11852	11991	24075	7932	
MEAN	300	738	2420	2141	1859	2207	1179	1524	395	387	777	264	
MAX	454	2760	6230	4310	4690	4740	3190	7370	996	981	2190	479	
MIN	213	225	883	1040	938	841	364	210	221	219	311	144	
CFSM	.53	1.31	4.31	3.81	3.31	3.93	2.10	2.71	.70	.69	1.38	.47	
IN.	.61	1.46	4.97	4.39	3.57	4.53	2.34	3.13	.78	.79	1.59	.53	
CAL YR 1983	TOTAL	664836		MEAN	1821	MAX	32600	MIN	213	CFSM	3.24	IN.	44.01
WTR YR 1984	TOTAL	433605		MEAN	1185	MAX	7370	MIN	144	CFSM	2.11	IN.	28.70

PASCAGOULA RIVER BASIN

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02479560 ESCATAWPA RIVER NEAR AGRICOLA, MS--Continued
(National stream-quality accounting network station)

WATER-QUALITY RECORDS

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

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: October 1979 to current year.

WATER TEMPERATURES: October 1979 to current year.

INSTRUMENTATION.--Water-quality monitor since October 1979.

REMARKS.--No specific conductance for Feb. 4, 17, July 11-16, and no water temperature data for July 11-16 because of recorder malfunctions.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 97 microsiemens June 26, 1984; minimum, 9 microsiemens Apr. 16, Aug. 13, 14, 1984.

WATER TEMPERATURES: Maximum, 32.0°C July 14-15, 1980, July 15-17, 23, 24, 1981; minimum, 3.0°C Dec. 26, 27, 1983.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 97 microsiemens June 26; minimum, 9 microsiemens Apr. 16, Aug. 13, 14.

WATER TEMPERATURES: Maximum, 29.5°C June 23; minimum, 3.0°C Dec. 26, 27.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD- NESS (MG/L AS CACO3)	HARD- NESS, NONCAR- BONATE (MG/L CACO3)
OCT 12...	0845	378	30	--	21.0	--	--	--	--	--	--
18...	1315	330	30	5.5	21.5	2.0	7.6	80	210	6	0
NOV 15...	0825	232	27	--	16.5	--	--	--	--	--	--
DEC 14...	0845	2150	24	--	13.0	--	--	--	--	--	--
JAN 24...	0920	2110	32	--	5.5	--	--	--	--	--	--
FEB 22...	1215	1520	25	4.7	14.0	11	9.8	130	41	4	1
MAR 06...	0930	4010	27	--	13.5	--	--	--	--	--	--
APR 18...	1400	530	25	5.0	18.0	9.3	8.2	K75	63	4	1
26...	0835	382	30	--	19.0	--	--	--	--	--	--
JUN 05...	0845	376	23	--	23.0	--	--	--	--	--	--
JUL 17...	0905	444	31	--	26.0	--	--	--	--	--	--
AUG 15...	1230	638	27	5.2	25.0	1.8	7.7	230	50	5	3

DATE	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LINEITY LAB (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)
OCT 18...	1.2	0.80	2.4	43	0.4	0.50	6	37	6.2	4.8	<.10	8.9
FEB 22...	.83	.54	2.1	49	.5	.40	3	116	2.7	3.9	<.10	6.2
APR 18...	.80	.54	2.0	48	.4	.40	3	58	1.7	3.8	<.10	6.1
AUG 15...	1.0	.56	2.1	46	.4	.40	2	24	5.1	4.0	<.10	8.5

DATE	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)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	PHOS- PHORUS, ORTHO, DIS- SOLVED (MG/L AS P)
OCT 18...	28	29	0.04	0.10	<.010	1.0	0.010	<.010	<.010
FEB 22...	12	19	.02	<.10	<.010	--	--	<.010	<.010
APR 18...	11	18	.02	<.10	.020	1.1	<.010	<.010	<.010
AUG 15...	35	23	.05	<.10	<.010	.30	.010	<.010	<.010

PASCAGOULA RIVER BASIN

02479560 ESCATAWPA RIVER NEAR AGRICOLA, MS--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

	DATE	ALUM- INUM, DIS- SOLVED (UG/L AS AL)	ARSENIC DIS- SOLVED (UG/L AS AS)	BARIUM, DIS- SOLVED (UG/L AS BA)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	COBALT, DIS- SOLVED (UG/L AS CO)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, DIS- SOLVED (UG/L AS FE)		
	OCT 18...	50	<1	46	<.5	<1	1	3	2	170		
	FEB 22...	190	1	37	<.5	<1	<1	<3	2	340		
	APR 18...	100	<1	35	.6	<1	3	<3	2	320		
	AUG 15...	90	<1	38	<.5	<1	1	<3	2	260		
	DATE	LEAD, DIS- SOLVED (UG/L AS PB)	LITHIUM DIS- SOLVED (UG/L AS LI)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MERCURY DIS- SOLVED (UG/L AS HG)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO)	NICKEL, DIS- SOLVED (UG/L AS NI)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	SILVER, DIS- SOLVED (UG/L AS AG)	STRON- TIUM, DIS- SOLVED (UG/L AS SR)	VANA- DIUM, DIS- SOLVED (UG/L AS V)	ZINC, DIS- SOLVED (UG/L AS ZN)
	OCT 18...	1	4	48	<.1	<10	1	<1	<1	21	<6	8
	FEB 22...	2	<4	48	.2	<10	1	<1	<1	13	<6	16
	APR 18...	6	<4	40	.1	<10	3	<1	<1	13	<6	18
	AUG 15...	1	<4	36	.1	<10	1	<1	1	15	<6	14
	DATE	TIME	STREAM- FLOW INSTAN- TANEOUS (CFS)	SEDI- MENT SUS- PENDE (MG/L)	SEDI- MENT DIS- CHARGE SUS- PENDE (T/DAY)	SED- MENT SUS- PENDE SIEVE DIAM. % FINER THAN .062 MM						
	OCT 18...	1315	330	4	3.56	94						
	FEB 22...	1215	1,520	12	49.25	83						
	APR 18...	1400	530	14	20.03	92						
	AUG 15...	1230	638	19	32.73	95						

MOBILE RIVER BASIN

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02479560 ESCATAWPA RIVER NEAR AGRICOLA, MS--Continued

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	39	11	27	51	19	37	68	16	45	64	28	45
2	40	12	25	57	15	38	68	30	44	66	30	45
3	39	11	25	69	19	36	63	25	48	64	20	46
4	39	13	25	51	15	31	51	21	38	62	34	48
5	40	12	26	53	17	37	57	29	46	60	24	39
6	37	13	26	57	17	36	55	33	40	52	22	39
7	37	11	25	51	21	36	45	21	33	66	28	47
8	46	12	24	59	19	37	45	27	36	54	26	38
9	40	12	27	53	17	32	49	21	36	53	27	39
10	35	13	22	49	17	33	53	23	40	33	21	27
11	40	12	21	51	15	30	49	17	28	61	21	39
12	36	10	24	59	19	39	57	23	37	57	25	35
13	43	15	22	57	21	39	55	23	42	55	23	35
14	37	11	27	57	19	39	51	17	36	59	21	32
15	40	10	23	52	18	37	53	25	35	53	21	34
16	33	11	20	62	20	40	63	15	35	69	21	37
17	43	13	23	56	18	37	53	21	36	57	23	34
18	48	16	29	62	18	48	51	21	31	63	23	37
19	44	18	36	58	16	40	53	17	33	67	19	39
20	48	20	34	54	14	36	57	21	36	75	17	47
21	48	16	35	62	24	42	57	21	35	67	21	50
22	56	16	39	64	28	50	56	22	33	75	29	51
23	50	20	38	66	12	36	44	26	32	65	27	45
24	48	16	33	58	10	37	50	24	32	65	19	32
25	52	18	38	70	12	40	54	26	40	59	19	32
26	50	16	33	76	16	43	44	18	34	49	19	32
27	54	18	34	86	20	50	54	20	36	50	18	35
28	57	17	37	68	14	44	46	24	32	56	24	36
29	61	17	37	56	14	36	58	22	38	56	22	31
30	57	15	33	74	16	44	66	20	48	50	22	37
31	59	17	37	---	---	---	68	24	48	54	20	39
MONTH	61	10	29	86	10	39	68	15	38	75	17	39
	FEBRUARY			MARCH			APRIL			MAY		
1	56	22	35	19	19	19	32	12	19	42	29	35
2	54	24	28	21	19	19	35	12	15	51	30	39
3	50	20	28	21	19	21	41	13	22	51	29	39
4	48	-4	11	39	18	21	48	12	27	56	30	39
5	52	20	29	29	19	21	44	13	25	55	30	42
6	52	18	32	41	19	21	41	13	25	45	29	32
7	58	16	32	21	19	20	53	13	29	52	29	35
8	56	20	36	21	19	20	45	12	27	50	29	37
9	56	18	33	50	19	31	44	11	21	50	28	38
10	58	16	33	51	20	33	52	11	25	50	28	37
11	46	16	33	48	19	31	41	11	26	55	28	39
12	54	18	34	50	19	34	42	10	24	48	28	39
13	52	22	32	50	19	29	39	10	25	54	27	39
14	45	15	27	19	18	19	45	10	26	55	28	40
15	55	15	29	37	18	20	57	10	26	62	28	41
16	49	15	24	29	18	20	62	9	28	58	30	45
17	47	-5	13	28	17	22	42	10	26	56	30	43
18	47	17	23	27	17	21	63	10	35	58	30	44
19	45	15	25	27	16	22	61	27	35	56	30	44
20	43	17	24	30	15	19	58	27	32	54	30	43
21	45	17	29	36	15	21	69	27	37	58	30	44
22	31	21	22	40	16	26	58	27	35	50	24	31
23	25	25	25	43	16	26	63	27	32	29	27	29
24	25	25	25	36	16	22	64	27	34	29	28	28
25	24	24	24	39	15	23	60	30	33	32	28	29
26	40	22	25	39	14	23	65	29	33	54	28	39
27	26	20	23	36	13	21	56	29	34	60	28	40
28	22	20	20	37	13	19	51	28	34	54	28	41
29	19	19	19	30	14	19	39	29	32	54	28	40
30	---	---	---	33	13	22	41	29	34	66	28	48
31	---	---	---	29	12	19	---	---	---	70	28	45
MONTH	58	-5	27	51	12	23	69	9	29	70	24	39

MOBILE RIVER BASIN

02479560 ESCATAWPA RIVER NEAR AGRICOLA, MS--Continued

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	62	28	46	53	30	43	51	21	36	48	23	33
2	72	28	51	55	31	46	46	21	32	52	24	38
3	74	29	53	60	31	48	25	22	24	54	24	39
4	53	28	33	65	31	48	22	20	21	53	24	36
5	66	29	50	33	32	32	50	20	30	50	25	41
6	84	29	50	46	32	33	42	20	30	61	25	41
7	62	30	49	57	32	35	47	19	35	51	24	39
8	62	30	50	47	30	37	23	19	20	45	24	36
9	54	29	44	57	30	39	25	17	21	32	24	27
10	58	30	44	48	30	41	23	15	19	32	25	28
11	57	30	44	---	---	---	38	15	21	42	25	29
12	62	39	51	---	---	---	38	15	29	57	22	37
13	60	30	46	---	---	---	36	9	24	43	21	34
14	70	30	50	---	---	---	37	9	23	46	24	36
15	70	28	47	---	---	---	47	10	28	54	24	40
16	68	31	45	---	---	---	51	25	37	54	23	37
17	65	32	49	49	29	35	50	26	36	58	26	42
18	65	30	47	51	29	39	53	26	38	61	27	44
19	64	30	49	55	28	40	52	24	37	50	30	43
20	68	31	48	44	30	32	49	25	37	53	26	43
21	70	31	52	43	29	32	51	25	39	55	26	44
22	72	31	52	43	29	31	56	26	37	50	26	40
23	58	31	48	52	27	41	49	26	38	57	25	43
24	58	30	44	44	25	28	57	26	38	54	25	42
25	58	29	44	45	25	34	37	25	30	55	25	40
26	97	30	68	65	25	39	37	26	27	51	25	40
27	64	31	50	54	24	38	52	26	28	55	25	41
28	50	31	34	54	25	40	50	22	32	53	25	41
29	62	32	37	54	21	36	49	23	33	55	25	42
30	62	31	36	54	19	34	54	23	36	54	27	42
31	---	---	---	57	25	41	54	23	34	---	---	---
MONTH	97	28	47	65	19	38	57	9	31	61	21	39
YEAR	97	-5	35									

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	22.0	19.0	21.0	17.5	15.0	16.0	12.0	11.0	11.5	4.5	3.5	4.0
2	22.5	19.5	21.0	18.0	15.5	17.0	13.0	12.0	12.5	4.5	3.5	4.0
3	22.0	20.0	21.0	18.5	16.5	17.5	15.0	13.5	14.0	5.5	4.5	5.0
4	24.0	21.0	22.0	19.0	17.5	18.0	16.0	15.5	15.5	6.0	5.0	5.5
5	24.0	22.5	23.5	19.0	17.5	18.5	16.0	15.0	15.5	7.0	6.0	6.5
6	23.5	21.0	22.0	17.0	14.5	15.5	16.5	15.5	16.0	8.5	7.0	7.5
7	22.0	19.5	21.0	16.0	15.0	15.5	15.5	13.0	14.5	8.5	8.0	8.0
8	22.0	19.5	21.0	15.5	14.5	15.0	13.0	11.0	11.5	9.0	8.0	8.5
9	21.5	19.5	20.5	16.5	14.5	15.5	11.5	10.5	11.0	10.0	8.5	9.0
10	21.0	20.0	20.5	16.5	15.5	16.0	12.0	10.5	11.0	11.0	10.0	10.5
11	21.5	20.5	21.0	15.5	13.0	14.0	14.5	12.0	13.5	10.5	8.5	9.5
12	21.5	21.0	21.0	13.5	11.5	12.5	14.5	13.0	14.0	8.5	7.5	8.0
13	21.0	19.5	20.5	13.0	11.0	12.0	13.0	12.5	12.5	8.5	8.0	8.0
14	20.0	18.0	18.5	16.0	12.5	14.5	12.5	12.0	12.0	9.5	8.5	9.0
15	19.0	17.0	18.0	17.0	16.0	16.5	12.0	11.0	11.5	9.5	9.5	9.5
16	21.0	18.5	19.5	16.0	13.5	14.5	11.0	10.0	10.5	9.5	9.0	9.5
17	22.0	19.5	20.5	13.5	11.5	12.5	10.5	10.0	10.5	9.5	8.5	9.0
18	22.0	20.5	21.5	13.0	11.0	12.0	11.0	10.5	10.5	9.0	8.5	8.5
19	22.5	20.0	21.0	16.0	13.0	14.0	11.0	11.0	11.0	8.5	7.5	8.0
20	22.0	20.0	21.0	17.0	16.0	16.5	11.0	10.5	10.5	7.5	5.5	6.0
21	21.5	20.5	21.0	16.0	14.5	15.0	11.0	10.0	10.5	5.5	4.5	4.5
22	21.5	20.5	21.0	15.0	13.5	14.5	12.0	11.0	11.5	4.5	3.5	4.0
23	21.0	19.0	20.0	17.5	15.5	16.5	11.5	9.5	10.5	5.0	4.0	4.5
24	19.0	18.0	18.5	17.0	15.0	16.5	9.5	6.5	8.0	7.0	5.0	6.0
25	18.0	16.5	17.0	15.0	13.0	14.0	6.5	3.5	5.0	9.0	7.5	8.5
26	17.0	15.0	16.0	13.0	11.5	12.0	3.5	3.0	3.0	9.0	9.0	9.0
27	16.0	14.0	15.0	14.0	12.0	13.0	5.0	3.0	4.0	10.0	9.0	9.5
28	15.5	13.5	14.5	14.5	14.0	14.5	11.0	5.5	9.0	10.5	9.5	10.0
29	16.0	14.0	15.0	14.0	12.0	13.0	11.0	9.5	10.5	10.0	9.5	10.0
30	16.5	14.0	15.5	12.0	11.0	11.5	9.0	6.0	7.5	10.0	9.5	9.5
31	16.0	14.5	15.5	---	---	---	6.0	4.5	5.0	10.0	9.0	9.5
MONTH	24.0	13.5	19.5	19.0	11.0	15.0	16.5	3.0	11.0	11.0	3.5	7.5

TENNESSEE RIVER BASIN

03571850 TENNESSEE RIVER AT SOUTH PITTSBURG, TN
(National stream-quality accounting network station)

LOCATION.--Lat 35°00'41", long 85°41'51", Marion County, Hydrologic Unit 06030001, on right bank at South Pittsburg Ferry landing on Tennessee State Highway 156, 0.5 mi downstream from Battle Creek, 0.5 mi east of South Pittsburg, 4.6 mi downstream from Sequatchie River, 6.5 mi downstream from Nickajack Dam, and at mile 418.2.

DRAINAGE AREA.--22,640 mi², approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--July 1930 to current year. Published as "at Hales Bar, near Chattanooga, Tenn." July 1930 to July 1966.

REVISED RECORDS.--WSP 853: Drainage area. WSP 973: 1942. WSP 1306 (monthly runoff). WSP 1386: 1932-34.

GAGE.--Water-stage recorder. Datum of gage is 581.01 ft National Geodetic Vertical Datum of 1929. Prior to Feb. 13, 1932, at site 12.9 mi upstream at datum 7.85 ft higher. Feb. 13, 1932, to July 17, 1966, at site 11.5 mi upstream at datum 7.50 ft higher. Since Jan. 27, 1939, auxiliary water-stage recorder at site 10.6 mi downstream.

REMARKS.--Water-discharge records good. Flow regulated since 1936 by increasing number of reservoirs above station (see p. 217 and Water Resources Data for adjoining states, 1984).

AVERAGE DISCHARGE.--54 years, 38,120 ft³/s, unadjusted.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 315,000 ft³/s Mar. 18, 1973, gage height, 34.33 ft; minimum daily, 2,900 ft³/s Nov. 1, 15, 1953; minimum gage height, 1.21 ft Oct. 27, 1931, site and datum used 1932-65.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known, 44.6 ft March 1867, site and datum used 1932-65. Flood of Mar. 8, 1917, reached a stage of 37.4 ft, site and datum used 1932-65, discharge, 320,000 ft³/s, from rating curve extended above 225,000 ft³/s.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 267,000 ft³/s May 9; maximum gage height, 31.68 ft May 9; minimum daily discharge, 13,400 ft³/s Nov. 13; minimum gage height 12.23 ft Oct. 1.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15400	19000	51300	74200	43100	72700	56300	37500	49500	27900	54200	40500
2	14900	22200	46400	58900	45400	63200	46900	38500	35600	31200	57100	32700
3	19300	26000	61200	52300	38500	63400	37300	90200	31100	37000	54100	40900
4	22400	24600	91800	51500	37700	64000	43800	114000	45900	37200	40800	46600
5	24100	20100	103000	51800	32200	68300	55000	117000	47900	35900	46600	47700
6	23100	13800	93400	50300	34700	57800	47800	111000	48400	42100	54300	52400
7	23900	31400	72400	44300	38300	50500	44800	131000	34000	44700	52900	49700
8	16000	31800	58900	34500	27300	47300	45100	219000	37800	43600	51200	36200
9	13900	29900	56000	41300	26500	46400	45500	258000	25100	44100	48900	29000
10	20000	30600	49400	44000	26600	40300	33900	257000	23100	43100	41900	43100
11	20000	32900	48900	41800	25500	37500	27200	232000	30900	43500	38300	45100
12	24700	29100	63700	47300	23600	38400	29500	199000	36000	37800	39300	47100
13	31400	13400	67300	44400	35600	46900	30700	170000	34100	34800	44600	47800
14	29800	28600	68500	33400	57900	38800	20000	151000	33700	42500	46300	46000
15	20400	30800	58100	23900	72200	31900	18900	116000	28800	32600	47100	33000
16	14500	35600	54300	32700	70000	32200	25900	108000	24100	40700	47000	32000
17	25800	36300	51500	35600	55400	30500	23100	89200	24400	39800	47300	41000
18	22000	36500	47900	41300	51600	39500	20700	77200	36700	46000	38500	45000
19	25200	23600	54000	50200	51000	39900	19900	64200	39600	45900	35900	48500
20	25000	20600	54200	50900	52900	43400	20800	50800	36300	49700	42600	48700
21	19700	24100	50000	50300	51400	50900	25400	50900	31500	49600	47600	48600
22	13700	36000	53100	48100	42800	62100	30800	55300	40300	45900	48900	40000
23	14500	34200	55100	37000	39700	69500	42500	48000	26200	39200	50600	31700
24	20000	37100	65000	44000	43500	64500	36600	48100	25400	52600	45700	34000
25	15800	37100	60000	54400	46500	56200	29300	48600	35500	48900	36100	41000
26	14900	36700	70000	52700	48900	41600	26400	49500	36900	45200	32900	40700
27	22300	36400	64000	51100	62400	37600	32700	35700	37200	44100	45100	36700
28	20100	81400	68500	42800	71800	45900	29700	45100	42000	42600	44800	33700
29	14600	77600	89000	36600	71400	66400	40000	49300	38100	40200	45700	24000
30	14500	59200	83900	41000	---	59800	40200	51500	29600	51500	46500	20000
31	21700	---	78000	47000	---	58600	---	56400	---	52600	49400	---
TOTAL	623600	996600	1988800	1409600	1324400	1566000	1026700	3169000	1045700	1312500	1422200	1203400
MEAN	20120	33220	64150	45470	45670	50520	34220	102200	34860	42340	45880	40110
MAX	31400	81400	103000	74200	72200	72700	56300	258000	49500	52600	57100	52400
MIN	13700	13400	46400	23900	23600	30500	18900	35700	23100	27900	32900	20000
CAL YR 1983	TOTAL	15415000		MEAN	42230	MAX	135000	MIN	13400			
WTR YR 1984	TOTAL	17088500		MEAN	46690	MAX	258000	MIN	13400			

03571850 TENNESSEE RIVER AT SOUTH PITTSBURG, TN--Continued

WATER-QUALITY RECORDS

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

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: July 1975 to September 1981.

WATER TEMPERATURES: July 1975 to September 1981.

REMARKS.--Flow regulated by many reservoirs (see p. 217 and Water Resources Data for adjoining states, 1984).

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 211 micromhos Sept. 27-28, 1981; minimum, 94 micromhos Dec. 31, 1975,

WATER TEMPERATURES: Maximum, 31.0°C Aug. 26-28, 30, 1975, June 15, 1978; minimum recorded, 2.0°C Jan. 22, 1977, Feb. 7, 1978.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	BARO- METRIC PRES- SURE (MM OF HG)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED SATUR- ATION)	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)	
DEC 15...	0930	40000	145	7.8	10.0	744	6.1	9.8	89	410	100	57	
FEB 29...	0930	74600	138	7.7	8.0	750	16	10.9	94	440	910	57	
APR 27...	0915	37900	140	7.4	15.0	748	4.6	8.8	89	98	K6	57	
JUL 18...	0930	46800	165	7.4	26.0	746	4.8	5.7	72	28	100	72	
DATE		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)	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LINITY LAB (MG/L AS CACO3)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)
DEC 15...	11	17	3.6	7.1	21	0.4	1.5	46	1.4	16	7.7	<.10	
FEB 29...	10	17	3.6	6.8	20	.4	1.2	47	1.8	14	7.7	<.10	
APR 27...	9	17	3.5	3.7	12	.2	1.1	48	3.7	12	5.4	<.10	
JUL 18...	11	21	4.8	5.9	15	.3	1.4	61	4.7	15	7.1	<.10	
DATE		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, 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 NH4)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	PHOS- PHORUS, ORTHO, DIS- SOLVED (MG/L AS P)
DEC 15...	4.7	89	85	0.12	9610	0.330	<.010	--	0.30	0.050	0.040	<.010	
FEB 29...	4.3	89	83	.12	17900	.380	.090	0.12	.20	.020	<.010	.010	
APR 27...	4.2	88	76	.12	9010	.310	.190	.24	.50	.020	.010	.010	
JUL 18...	4.5	123	97	.17	15500	.310	.180	.23	.20	.030	.010	.020	

TENNESSEE RIVER BASIN

03571850 TENNESSEE RIVER AT SOUTH PITTSBURG, TN--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	PHOS- PHATE, ORTHO, DIS- SOLVED (MG/L AS PO4)	ALUM- INUM, DIS- SOLVED (UG/L AS AL)	ARSENIC DIS- SOLVED (UG/L AS AS)	BARIUM, DIS- SOLVED (UG/L AS BA)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	COBALT, DIS- SOLVED (UG/L AS CO)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, DIS- SOLVED (UG/L AS PB)	LITHIUM DIS- SOLVED (UG/L AS LI)
DEC 15...	--	<10	<1	34	<.5	<1	<1	<3	2	27	<1	<4
FEB 29...	0.03	10	1	23	<.5	<1	<1	<3	1	63	2	<4
APR 27...	.03	<10	1	33	<1	<1	<1	<3	2	27	1	<4
JUL 18...	.06	<10	1	31	<.5	<1	<1	<3	2	11	1	<4

DATE	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MERCURY DIS- SOLVED (UG/L AS HG)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO)	NICKEL, DIS- SOLVED (UG/L AS NI)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	SILVER, DIS- SOLVED (UG/L AS AG)	STRON- TIUM, DIS- SOLVED (UG/L AS SR)	VANA- DIUM, DIS- SOLVED (UG/L AS V)	ZINC, DIS- SOLVED (UG/L AS ZN)	SEDI- MENT, SUS- PENDE (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
DEC 15...	14	0.1	<10	2	<1	<1	52	<6	5	11	1190	86
FEB 29...	17	.1	<10	<1	<1	<1	50	<6	6	27	5440	89
APR 27...	25	<.1	<10	1	<1	<1	48	<6	4	8	819	75
JUL 18...	3	<.1	<10	<1	<1	<1	62	<6	32	10	1260	75

DATE	GROSS ALPHA, DIS- SOLVED (UG/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 YT-90)	GROSS BETA, SUSP. TOTAL (PCI/L AS YT-90)	RADIUM 226, DIS- SOLVED (PCI/L METHOD EXTRAC- TION (UG/L)	URANIUM DIS- SOLVED (UG/L)
FEB 29...	<1.6	1.6	1.1	1.5	1.6	1.3	1.4	0.05	0.10
JUL 18...	<2.1	<.4	--	1.7	<.4	1.4	<.4	.05	.13

TENNESSEE RIVER BASIN

209

03572110 CROW CREEK AT BASS, AL

LOCATION.--Lat 34°56'03", long 85°55'03", in SE¼NE¼NW¼ sec. 20, T. 1 S., R. 7 E., Jackson County, Hydrologic Unit 06030001, on downstream side of bridge on State Highway 117, 0.3 mi northwest of Bass, 1 mi upstream from Bennett Cove Creek, 3.7 mi south of Alabama-Tennessee State line, and 15.8 mi above mouth.

DRAINAGE AREA.--131 mi².

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

GAGE.--Water-stage recorder. Altitude of gage is 610 ft, from topographic map.

REMARKS.--Records good except those for period of no gage-height record Oct. 1-12, Mar. 1-30, and Apr. 26 to May 8, which are poor. Records of specific conductance and water temperature for the water year 1984 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--9 years, 300 ft³/s, 31.10 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 7,850 ft³/s Mar. 21, 1980, gage height, 17.17 ft; minimum, 2.4 ft³/s Sept. 12, 1983.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 3,200 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Nov. 28	1000	*6,760	*15.91	Apr. 22	1630	4,720	13.77
Dec. 3	1845	4,690	13.72	May 3	unknown	unknown	unknown
Dec. 28	1200	4,510	13.44	May 8	unknown	4,440	13.34

Minimum discharge, 2.5 ft³/s Sept. 19, 20, 22.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.5	4.6	282	328	174	370	461	660	75	17	261	11
2	3.4	4.3	238	267	160	300	372	2900	63	12	134	9.5
3	3.3	4.7	3360	229	154	270	849	5000	56	10	85	8.6
4	3.2	43	3370	203	149	230	1290	2800	49	9.2	62	7.9
5	3.2	76	1140	186	139	250	843	1500	43	11	49	7.3
6	3.2	35	900	172	129	370	566	900	38	9.8	42	6.8
7	3.1	22	576	156	115	330	429	1700	34	9.9	157	6.6
8	3.1	16	394	139	108	280	353	2700	31	14	198	6.1
9	3.0	12	297	128	109	250	470	2050	29	11	157	5.6
10	3.0	11	240	703	168	210	454	1250	27	9.3	221	5.5
11	4.0	11	370	845	284	180	371	905	25	7.6	176	5.3
12	5.0	13	547	417	207	160	322	560	23	8.2	94	5.0
13	9.2	13	380	318	621	130	286	308	22	28	67	4.8
14	14	12	397	261	813	120	257	229	20	14	60	4.3
15	15	122	383	231	461	110	233	188	19	15	46	3.8
16	10	104	290	215	350	150	215	158	18	12	39	3.2
17	7.7	54	240	199	285	300	201	138	16	9.4	34	3.0
18	5.9	37	214	1010	238	280	186	122	15	9.4	31	3.0
19	5.2	29	194	641	213	260	171	110	15	7.7	28	2.9
20	4.5	472	176	407	192	300	238	99	56	6.8	25	2.7
21	4.1	253	161	310	173	700	324	91	64	6.0	23	2.8
22	4.2	117	1640	253	159	460	2470	85	22	7.4	20	2.8
23	6.5	320	820	231	149	330	1970	84	26	14	18	3.5
24	6.4	818	461	1020	140	270	803	88	31	6.7	16	4.0
25	5.6	220	320	683	131	280	600	76	19	11	15	4.2
26	6.2	133	257	476	121	290	400	75	15	12	13	4.2
27	6.1	1120	227	376	1050	260	600	184	12	8.7	11	3.7
28	5.5	5650	3000	308	636	600	1300	112	11	10	11	3.9
29	5.4	1820	1670	262	421	1500	1100	182	13	8.3	12	4.0
30	5.3	572	647	225	---	1300	700	114	22	14	15	4.3
31	4.7	---	425	194	---	628	---	90	---	403	13	---
TOTAL	172.5	12118.6	23616	11393	8049	11468	18834	25458	909	732.4	2133	150.3
MEAN	5.56	404	762	368	278	370	628	821	30.3	23.6	68.8	5.01
MAX	15	5650	3370	1020	1050	1500	2470	5000	75	403	261	11
MIN	3.0	4.3	161	128	108	110	171	75	11	6.0	11	2.7
CFSM	.04	3.08	5.82	2.81	2.12	2.82	4.79	6.27	.23	.18	.53	.04
IN.	.05	3.44	6.71	3.24	2.29	3.26	5.35	7.23	.26	.21	.61	.04
CAL YR 1983	TOTAL	124091.4	MEAN	340	MAX	5810	MIN	2.6	CFSM	2.60	IN.	35.24
WTR YR 1984	TOTAL	115033.8	MEAN	314	MAX	5650	MIN	2.7	CFSM	2.40	IN.	32.67

TENNESSEE RIVER BASIN

03574500 PAINT ROCK RIVER NEAR WOODVILLE, AL

LOCATION.--Lat 34°37'27", long 86°18'23", in NW¼ sec. 10, T. 5 S., R. 3 E., Jackson County, Hydrologic Unit 06030002, on downstream side of bridge on U.S. Highway 72, 1,000 ft downstream from Southern Railway bridge, 2 mi west of Woodville, 4.1 mi upstream from Little Paint Creek, and at mile 26.6.

DRAINAGE AREA.--320 mi².

PERIOD OF RECORD.--December 1935 to current year.

GAGE.--Water-stage recorder. Datum of gage is 570.95 ft National Geodetic Vertical Datum of 1929. Dec. 23, 1935, to Jan. 16, 1938, nonrecording gage, Jan. 17, 1938, to July 24, 1940, water-stage recorder, at same site and datum. July 25, 1940, to Mar. 13, 1963, water-stage recorder at site 20 ft downstream at same datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--48 years (water years 1937-84), 690 ft³/s, 29.28 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 74,200 ft³/s Mar. 16, 1973, gage height, 24.40 ft; minimum, 1.3 ft³/s Oct. 21, 1954.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 6,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Nov. 29	0600	9,920	18.51	Dec. 29	1800	6,740	17.33
Dec. 4	1700	10,100	18.55	May 4	0600	*11,700	*18.94

Minimum discharge, 8.8 ft³/s Sept. 26-30.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1	17	11	1880	1160	423	931	1300	1200	128	42	1090	25	
2	16	11	719	779	374	818	890	1370	113	37	592	24	
3	15	11	3110	643	347	734	1830	5450	101	36	407	23	
4	14	12	8530	538	342	621	2880	10300	91	36	417	23	
5	14	15	7310	472	319	691	3130	5780	83	37	273	21	
6	13	47	4050	419	291	1100	2020	3190	76	97	243	21	
7	12	58	2510	367	256	967	1150	1860	69	138	220	20	
8	12	38	1390	318	230	791	883	3430	64	115	144	19	
9	12	28	842	282	218	658	959	5450	60	138	106	18	
10	11	23	652	885	320	545	1160	4350	58	80	99	17	
11	11	20	646	2750	962	478	953	2340	54	58	78	17	
12	11	17	1250	2370	778	420	802	1310	51	48	66	17	
13	14	16	1070	1130	1290	387	690	902	49	65	57	17	
14	14	15	934	836	2280	365	591	670	47	138	51	16	
15	40	51	1120	702	1740	326	505	491	45	115	45	16	
16	41	312	915	639	1070	427	443	387	44	70	41	16	
17	28	179	710	569	846	863	409	322	42	58	39	15	
18	21	94	583	985	689	814	374	277	41	55	39	13	
19	18	61	501	2370	586	733	336	241	39	47	37	12	
20	15	493	430	1380	501	848	322	213	37	43	35	12	
21	13	1330	375	869	426	1870	802	195	36	39	33	11	
22	12	390	1370	687	376	1330	1470	184	36	37	31	11	
23	12	319	3130	590	343	901	3950	176	45	36	32	10	
24	12	2020	1800	1620	316	738	4480	163	82	35	29	9.9	
25	12	1420	900	2500	287	761	2110	151	60	36	28	9.3	
26	12	413	700	1630	259	810	975	137	45	53	27	9.1	
27	11	587	560	1090	986	702	795	155	39	46	27	8.8	
28	11	4350	2200	876	2110	1690	1170	188	36	41	26	8.8	
29	11	8660	5080	736	1360	3800	2760	198	37	40	26	8.8	
30	11	4460	4700	618	---	4280	2550	189	39	40	24	8.8	
31	11	---	2370	505	---	2510	---	150	---	436	25	---	
TOTAL	477	25461	62337	31315	20325	32909	42689	51419	1747	2292	4387	457.5	
MEAN	15.4	849	2011	1010	701	1062	1423	1659	58.2	73.9	142	15.2	
MAX	41	8660	8530	2750	2280	4280	4480	10300	128	436	1090	25	
MIN	11	11	375	282	218	326	322	137	36	35	24	8.8	
CFSM	.05	2.65	6.28	3.16	2.19	3.32	4.45	5.18	.18	.23	.44	.05	
IN.	.06	2.96	7.25	3.64	2.36	3.83	4.96	5.98	.20	.27	.51	.05	
CAL YR 1983	TOTAL	306027		MEAN	838	MAX	15000	MIN	11	CFSM	2.62	IN.	35.58
WTR YR 1984	TOTAL	275815.5		MEAN	754	MAX	10300	MIN	8.8	CFSM	2.36	IN.	32.06

03575000 FLINT RIVER NEAR CHASE, AL

LOCATION.--Lat 34°49'22", long 86°28'59", in NW¼NW¼ sec. 36, T. 2 S., R. 1 E., Madison County, Hydrologic Unit 06030002, on left bank 10 ft downstream from Winchester Road, 400 ft downstream from Brier Fork, 1,100 ft upstream from L & N Railroad bridge, 4.3 mi northeast of Chase, and at mile 36.2.

DRAINAGE AREA.--342 mi².

PERIOD OF RECORD.--October 1929 to September 1981, October 1982 to September 1984. Prior to May 1930 monthly discharge only, published in WSP 1306.

REVISED RECORDS.--WSP 823: Drainage area WSP 853: 1936 (M). WSP 1306: 1934 (M). WSP 1910: Peak discharge (base).

GAGE.--Water-stage recorder. Datum of gage is 640.37 ft National Geodetic Vertical Datum of 1929. May 1934 to January 1975, water-stage recorder 0.2 mi downstream at same datum. Prior to May 1934, nonrecording gage 1,000 ft downstream at L & N Railroad bridge at same datum.

REMARKS.--Records poor.

AVERAGE DISCHARGE.--54 years (water years 1930-81, 1983-84), 557 ft³/s, 22.12 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 104,000 ft³/s Mar. 16, 1973, gage height, 29.52 ft; minimum, 44 ft³/s Sept. 20, 27, 30, 1931; minimum gage height, 0.82 ft Sept. 3, 27, 1954.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in September 1929 reached a stage of 25.0 ft from floodmarks, discharge, 58,500 ft³/s.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 6,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Nov. 28	0915	8,080	11.06	Apr. 22	1745	7,350	10.38
Dec. 3	2200	10,800	12.95	May 3	1800	*15,500	*15.48
Dec. 28	1700	8,970	11.70	May 8	1630	8,040	11.03
Mar. 28	1945	10,700	12.91				

Minimum discharge, 54 ft³/s Oct. 3.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	92	94	515	639	480	615	845	647	283	173	809	139
2	84	99	479	591	456	537	703	2390	266	139	2140	132
3	83	99	6820	563	458	486	1770	11700	251	140	915	129
4	83	169	7510	541	523	445	3350	5760	245	140	491	128
5	88	210	1860	528	470	613	1810	1730	224	141	585	123
6	87	144	2210	528	430	897	1140	1180	209	152	386	116
7	96	129	1390	517	397	689	845	1120	204	678	310	113
8	86	125	869	476	380	555	716	6910	195	428	336	108
9	86	116	669	444	372	478	661	3310	189	207	284	107
10	84	115	571	947	398	437	630	1340	189	162	356	107
11	83	112	1520	1510	521	415	559	943	190	152	297	109
12	106	112	2530	875	471	396	514	765	188	150	256	107
13	1010	109	1110	751	1010	405	464	664	189	718	233	106
14	281	111	1060	704	1470	451	444	582	188	323	217	102
15	167	312	934	644	908	409	437	514	220	211	207	102
16	144	299	659	611	718	496	446	479	212	188	211	96
17	125	194	576	588	617	669	456	431	185	261	236	98
18	113	160	550	1330	534	588	418	407	179	191	203	97
19	111	146	493	1270	501	499	383	398	174	162	196	100
20	116	586	436	755	474	803	566	381	167	143	191	99
21	111	503	412	584	447	1330	699	355	171	134	166	94
22	106	303	1970	497	424	814	4550	375	249	129	149	92
23	110	665	1390	503	414	628	2210	381	796	126	150	88
24	111	1770	743	1840	405	547	975	402	252	122	143	89
25	105	632	483	1580	383	608	696	366	189	120	132	87
26	103	431	396	1060	367	604	567	351	173	123	132	85
27	102	1120	395	856	903	526	536	326	162	125	128	88
28	99	6760	6490	731	1150	5980	2510	314	155	161	130	88
29	96	1700	3740	647	805	4590	1900	349	187	137	140	86
30	96	726	1120	584	---	1530	918	309	214	134	145	86
31	94	---	746	518	---	1050	---	257	---	1680	170	---
TOTAL	4258	18051	50646	24212	16886	29090	32718	45436	6695	7850	10444	3101
MEAN	137	602	1634	781	582	938	1091	1466	223	253	337	103
MAX	1010	6760	7510	1840	1470	5980	4550	11700	796	1680	2140	139
MIN	83	94	395	444	367	396	383	257	155	120	128	85
CAL YR 1983	TOTAL	278384		MEAN	763	MAX	13600	MIN	83			
WTR YR 1984	TOTAL	249387		MEAN	681	MAX	11700	MIN	83			

TENNESSEE RIVER BASIN

TENNESSEE RIVER MAIN STEM

03575500 TENNESSEE RIVER AT WHITESBURG, AL

LOCATION.--Lat 34°34'18", long 86°33'29", SW¼ sec. 29, T. 5 S., R. 1 E., Madison County, Hydrologic Unit 06030003, at Whitesburg, on right bank, 2,500 ft upstream from Aldridge Creek, 3,000 ft upstream from Clement C. Clay Bridge on U.S. Highway 231, 11.0 mi south of Huntsville, 15.1 mi downstream from Guntersville Dam, and at mile 333.9.

DRAINAGE AREA.--25,610 mi².

PERIOD OF RECORD.--October 1924 to current year. Monthly discharge only for some periods, published in WSP 1306. Prior to October 1936, published as "at Decatur." Gage-height records collected in this vicinity since 1875 (fragmentary prior to April 1909) are contained in files of Corps of Engineers and in reports of National Weather Service.

GAGE.--Water-stage recorder. Datum of gage is 549.00 ft (167.335 m) National Geodetic Vertical Datum of 1929. Oct. 1, 1924, to Dec. 2, 1926, nonrecording gage and Dec. 3, 1926, to Sept. 30, 1936, water-stage recorder, at site 28.3 mi downstream at datum 14.70 ft lower. Oct. 1, 1936, to Sept. 30, 1960, water-stage recorder 830 ft downstream at same datum. Since Mar. 4, 1937, auxiliary gage is 28.3 mi downstream.

REMARKS.--Records good except those below 20,000 ft³/s which are poor. Discharge below 20,000 ft³/s computed on basis of records for Guntersville Dam, adjusted for storage and inflow. Since 1936, flow regulated by increasing number of reservoirs above station.

AVERAGE DISCHARGE.--60 years, 43,628 ft³/s, 23.13 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 323,000 ft³/s Mar. 19, 1973, gage height, 26.06 ft; minimum daily, 400 ft³/s July 24, 1966.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known, 31.4 ft in March 1867, present site and datum, from high-water profile by Corps of Engineers.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 245,000 ft³/s, gage height, 21.65 ft May 10; minimum daily, 9,610 ft³/s Oct. 2; minimum gage height, 1.76 ft Nov. 21.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1	11300	20600	73800	88900	47900	73700	68800	33800	42000	18900	59600	36400	
2	9610	20800	53900	77100	43900	70300	59600	56400	34700	41600	59400	34800	
3	12600	22500	82100	70800	39100	64000	50100	111000	33900	40000	58800	37200	
4	11700	19800	144000	58300	37600	63300	56100	154000	39000	31000	55600	48100	
5	14200	15600	134000	49400	31600	61200	60900	152000	46400	36500	49500	44300	
6	19800	15400	125000	48600	31400	53300	62100	148000	46100	23000	49400	41100	
7	22300	24300	107000	43300	34800	49800	54400	138000	42600	28700	48300	45400	
8	12000	26100	81300	30500	28500	49300	51800	164000	23900	35800	48000	22900	
9	11900	28800	69500	36700	27200	48600	50500	218000	18300	39400	47500	20800	
10	17400	30800	52300	47200	30200	47600	49800	242000	18600	47500	47700	36400	
11	17400	26900	49800	52900	24300	40700	28300	237000	18300	47200	48700	40100	
12	15600	21000	55800	52300	29900	39200	33100	236000	32200	39500	33800	43900	
13	19900	11600	67700	50800	29700	41800	33200	214000	33400	30700	45800	44200	
14	28500	11300	70800	37900	41900	36100	21200	180000	28600	23200	47000	43800	
15	21700	28200	68500	27200	66900	34000	21500	150000	17900	20300	44400	20800	
16	15900	34200	58800	37800	76700	33200	24900	109000	16200	45500	39800	20800	
17	19800	34900	49500	48000	72800	30700	20700	98200	15400	46500	39900	38800	
18	20300	31500	46200	48000	56200	37600	19800	86000	33800	47100	20900	46000	
19	22800	20200	48800	50600	48400	34300	49700	62400	33100	46600	21400	44800	
20	22700	23400	48400	51700	44400	35800	22700	60300	35400	45800	44500	45100	
21	22800	19200	47600	49800	45700	53000	23700	55100	39800	30300	46700	42100	
22	12400	35800	53600	48800	44200	61100	30800	48300	15800	28100	46200	22700	
23	12100	30500	65300	41100	44200	66700	32500	47700	16300	44200	39700	19600	
24	13000	37800	60000	49800	40500	65800	47700	47600	16500	46100	37700	34500	
25	14000	39600	82000	53000	39400	61500	39000	44400	37000	46300	22600	36800	
26	14200	36600	75000	52300	43900	49400	37000	41800	44600	46500	16400	31400	
27	19500	35500	70000	51200	54100	39400	44000	42200	40900	46500	38400	31400	
28	22800	69200	80000	50100	75300	48400	46000	45700	31000	35300	37600	25000	
29	16000	102000	100000	49100	76600	64300	52000	50000	21000	20100	39900	16400	
30	13500	101000	99100	50000	---	74700	45000	48600	20100	44700	37900	15600	
31	19500	---	94700	49100	---	70400	---	47800	---	52800	43000	---	
TOTAL	527210	975100	2314500	1552300	1307300	1599200	1236900	3369300	892800	1175700	1316100	1031200	
MEAN	17010	32500	74660	50070	45080	51590	41230	108700	29760	37930	42450	34370	
MAX	28500	102000	144000	88900	76700	74700	68800	242000	46400	52800	59600	48100	
MIN	9610	11300	46200	27200	24300	30700	19800	33800	15400	18900	16400	15600	
CFSM	.66	1.27	2.92	1.96	1.76	2.01	1.61	4.24	1.16	1.48	1.66	1.34	
IN.	.77	1.42	3.36	2.25	1.90	2.32	1.80	4.89	1.30	1.71	1.91	1.50	
CAL YR 1983	TOTAL	16062390		MEAN	44010	MAX	162000	MIN	8740	CFSM	1.72	IN.	23.33
WTR YR 1984	TOTAL	17297610		MEAN	47260	MAX	242000	MIN	9610	CFSM	1.85	IN.	25.13

TENNESSEE RIVER BASIN

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03575830 INDIAN CREEK NEAR MADISON, AL

LOCATION.--Lat 34°41'50", long 86°42'00", in NE¼ sec. 14, T. 4 S., R. 2 W., Madison County, Hydrologic Unit 06030003, on downstream side of bridge on State Highway 20, 0.3 mi downstream from Southern Railroad bridge, 2.8 mi east of Madison, and 5.8 mi upstream from mouth.

DRAINAGE AREA.--49.0 mi².

PERIOD OF RECORD.--October 1959 to September 1966, October 1975 to current year. October 1966 to September 1972 (annual maximum only). October 1972 to September 1975 (flood hydrograph only).

GAGE.--Water-stage recorder. Altitude of gage is 600 ft above mean sea level (from topographic map).

REMARKS.--Records good. Records of specific conductance and water temperature for the water year 1984 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--16 years (water years 1960-66, 1976-84), 66.4 ft³/s, 18.40 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 16,500 ft³/s Mar. 16, 1973, gage height, 12.70 ft; 1959-66, 1976-83, minimum discharge, 1.5 ft³/s Oct. 1, 1983.

EXTREMES FOR CURRENT YEAR.--Peak discharge above base of 1,500 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec. 3	1515	1,670	7.26	May 3	1015	2,110	7.67
Dec. 28	1045	1,910	7.50	May 8	0515	*2,170	*7.72
Apr. 22	1215	1,720	7.32				

Minimum discharge, 1.5 ft³/s Oct. 1.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1	2.2	3.0	25	96	50	50	130	81	37	7.7	16	7.0	
2	2.0	3.1	44	90	48	45	115	421	35	6.7	108	6.2	
3	2.7	3.2	1120	86	52	41	507	1500	33	6.0	28	6.3	
4	3.3	4.6	543	81	48	38	513	446	32	5.7	24	7.0	
5	5.4	7.0	156	82	44	66	210	209	30	6.9	32	6.3	
6	5.0	4.3	223	78	40	71	148	150	28	6.1	18	5.9	
7	4.6	4.0	113	72	38	58	119	371	27	33	15	5.5	
8	4.3	3.8	83	74	37	50	105	1460	24	25	13	5.1	
9	4.0	3.7	69	120	35	44	100	368	23	12	25	5.3	
10	3.7	3.6	60	230	120	42	90	216	21	10	23	6.3	
11	3.7	3.5	390	140	80	39	82	161	20	9.4	13	6.3	
12	4.6	3.4	313	87	56	37	75	127	19	8.9	11	5.8	
13	10	3.4	131	82	220	44	70	113	18	10	9.9	5.4	
14	6.8	5.6	149	74	150	40	63	102	17	9.9	9.1	5.2	
15	5.2	24	107	69	100	36	57	91	16	10	8.4	4.9	
16	4.4	5.5	86	66	80	134	55	84	14	10	17	4.9	
17	3.9	3.9	79	62	70	86	53	78	13	14	13	4.7	
18	3.6	4.3	73	200	60	79	49	74	12	9.3	8.9	4.6	
19	3.5	4.5	64	130	54	67	46	71	11	7.9	8.8	4.8	
20	3.6	55	57	90	50	141	46	67	10	7.3	9.4	4.9	
21	3.5	8.3	56	70	47	141	52	65	22	7.1	8.2	4.8	
22	3.3	5.7	411	65	45	94	823	63	14	6.9	19	4.5	
23	3.4	145	162	150	40	77	203	64	13	7.0	18	3.9	
24	3.5	43	95	260	38	71	103	59	11	6.8	8.8	4.0	
25	3.5	12	73	150	35	81	82	54	9.6	13	8.2	4.2	
26	3.2	9.4	68	100	50	68	71	50	8.7	8.0	7.6	4.0	
27	3.2	220	78	90	100	62	73	47	8.5	13	7.0	4.1	
28	3.1	440	1360	80	72	968	427	47	7.6	9.5	8.3	4.6	
29	3.0	79	392	70	59	490	183	45	7.2	8.1	7.8	4.3	
30	3.0	37	159	60	---	211	103	42	13	10	8.4	4.4	
31	3.0	---	109	56	---	154	---	39	---	30	7.9	---	
TOTAL	122.2	1152.8	6848	3160	1918	3625	4753	6765	554.6	335.2	519.7	155.2	
MEAN	3.94	38.4	221	102	66.1	117	158	218	18.5	10.8	16.8	5.17	
MAX	10	440	1360	260	220	968	823	1500	37	33	108	7.0	
MIN	2.0	3.0	25	56	35	36	46	39	7.2	5.7	7.0	3.9	
CFSM	.08	.78	4.51	2.08	1.35	2.39	3.22	4.45	.38	.22	.34	.11	
IN.	.09	.88	5.20	2.40	1.46	2.75	3.61	5.14	.42	.25	.39	.12	
CAL YR 1983	TOTAL	37751.2		MEAN	103	MAX	3110	MIN	2.0	CFSM	2.10	IN.	28.66
WTR YR 1984	TOTAL	29908.7		MEAN	81.7	MAX	1500	MIN	2.0	CFSM	1.67	IN.	22.71

TENNESSEE RIVER BASIN

03584500 ELK RIVER NEAR PROSPECT, TN

LOCATION.--Lat 35°01'39", long 86°56'52", Giles County, Hydrologic Unit 06030004, on right bank 50 ft upstream from county road bridge, 1.1 mi downstream from Richland Creek, 3.2 mi east of Prospect, 5.4 mi upstream from Ford Creek, 7.9 mi upstream from Tennessee - Alabama State line, and at mile 41.5.

DRAINAGE AREA.--1,784 mi².

PERIOD OF RECORD.--July 1904 to February 1908, January 1919 to current year. Published as "near Elkmont, Ala." 1904-8, 1919-34. Record for both sites published January to March 1934.

REVISED RECORDS.--WSP 523: 1904-8, 1919-20. WSP 823: Drainage area. WSP 1436: 1920-22, 1923(M), 1924, 1927, 1929, 1931-32(M).

GAGE.--Water-stage recorder. Datum of gage is 563.29 ft National Geodetic Vertical Datum of 1929. July 1, 1904, to Feb. 2, 1908, and Jan. 20, 1919, to Mar. 31, 1934, nonrecording gage 11.9 mi downstream at datum 13.52 ft lower.

REMARKS.--Records good. Flow regulated by Woods Reservoir (station 03579000) since May 1952, and Tims Ford Lake (station 03580740) since December 1970.

AVERAGE DISCHARGE.--68 years (water years 1905-7, 1920-84), 3,079 ft³/s, 23.44 in/yr, unadjusted.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 117,000 ft³/s Mar. 17, 1973, gage height, 40.12 ft, from rating curve extended above 63,000 ft³/s on basis of slope-area measurement at gage height 38.17 ft and contracted-opening measurement at gage height 38.96 ft; minimum, 78 ft³/s Sept. 29, 1961 (caused by highway construction upstream).

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in March 1902 reached a stage of 40.9 ft, discharge, 130,000 ft³/s, and may have been equaled by a flood in March 1897, from reports of Tennessee Valley Authority.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 31,800 ft³/s at 2300 hours May 4, gage height, 28.61 ft; minimum, 188 ft³/s Oct. 2, 19.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	301	472	6100	6070	2950	3770	5750	2650	1320	677	2050	1230
2	196	487	5690	5240	2280	3720	4110	7440	1660	548	1820	1130
3	258	494	14200	4070	2250	3410	4450	24300	1420	450	2430	370
4	297	800	23800	4360	2110	3260	9520	30600	720	567	1600	308
5	376	2020	24500	4060	2020	3610	8660	29300	711	608	1180	354
6	465	1110	14200	4100	1580	3730	6430	14400	1500	623	585	469
7	701	819	9920	3790	1460	3250	5870	8630	1390	707	500	502
8	929	831	7970	3050	2100	2830	4560	18700	1360	684	1620	482
9	474	810	6800	2420	1620	2400	3580	23500	1120	456	1170	478
10	446	780	6140	2530	1780	2050	3860	21700	1090	375	805	299
11	443	889	12000	3880	2530	1810	3700	10900	594	502	928	246
12	457	2140	19700	4000	2500	1630	3430	8600	532	570	782	526
13	844	1720	13400	3310	3200	2240	2870	7420	691	574	472	627
14	2080	751	9040	3510	5020	2860	2110	6580	731	625	401	490
15	873	1150	7850	2690	4780	2520	1580	6160	750	655	623	440
16	657	2240	6810	2080	4350	2550	1300	5800	798	441	661	443
17	367	2180	6210	2500	4400	3780	1400	4360	760	516	614	309
18	235	2320	5420	3310	3740	3640	1480	4160	531	686	593	232
19	355	1740	4280	3570	3140	3410	1410	4000	452	849	643	354
20	510	2240	4690	3960	2090	5360	1420	2980	590	691	410	454
21	509	3260	4950	3880	2060	9550	1460	2210	780	625	341	481
22	504	2420	6060	3730	2370	6190	3880	2080	1200	594	295	455
23	527	3520	6680	3380	2560	4180	7240	2240	837	391	746	465
24	543	8640	5790	4990	2520	3260	3580	2030	1100	309	1640	289
25	552	5710	5190	5260	2510	3020	3000	1690	730	536	1520	229
26	527	5030	4970	4180	1840	2750	2660	1530	537	1070	613	320
27	512	5470	5030	4320	1670	2290	2100	1510	633	626	341	446
28	498	15500	12000	3600	3690	7910	3040	1040	664	625	270	747
29	493	14900	13600	3130	3920	14000	4350	1080	694	590	601	1140
30	493	6700	6380	2600	---	10300	3320	1060	1060	406	1200	528
31	485	---	6670	2340	---	7820	---	1300	---	431	1260	---
TOTAL	16907	97143	286040	113910	79040	133100	112120	259950	26955	18007	28714	14843
MEAN	545	3238	9227	3675	2726	4294	3737	8385	899	581	926	495
MAX	2080	15500	24500	6070	5020	14000	9520	30600	1660	1070	2430	1230
MIN	196	472	4280	2080	1460	1630	1300	1040	452	309	270	229

CAL YR 1983 TOTAL 1567992 MEAN 4296 MAX 47300 MIN 196 MEAN +4226 CFSM +2.39 IN. +32.46
WTR YR 1984 TOTAL 1186729 MEAN 3242 MAX 30600 MIN 196 MEAN +3242 CFSM +1.82 IN. +24.74

† Adjusted for change in contents in Woods Reservoir and Tims Ford Lake.

03588500 SHOAL CREEK AT IRON CITY, TN

LOCATION.--Lat 35°01'27", long 87°34'44", Lawrence County, Hydrologic Unit 06030005, near center of span on downstream side of bridge on county road, 400 ft downstream from Holly Creek, 1,350 ft upstream from Louisville and Nashville Railroad bridge, 1,350 ft northeast of Iron City Post Office, and at mile 22.3.

DRAINAGE AREA.--348 mi².

PERIOD OF RECORD.--July 1925 to current year.

REVISED RECORDS.--WSP 823: Drainage area. WSP 1113: 1927(M). WSP 1436: 1926(M), 1927-29, 1930(M), 1932, 1933(M).

GAGE.--Water-stage recorder. Datum of gage is 534.22 ft National Geodetic Vertical Datum of 1929. Prior to Feb. 25, 1931, nonrecording gage at railroad bridge, 1,350 ft downstream at datum 0.85 ft lower. Feb. 25, 1931, to Sept. 30, 1933, nonrecording gage at site 825 ft downstream and Oct. 1, 1933, to Sept. 30, 1957, water-stage recorder at site 750 ft downstream at datum 0.69 ft higher.

REMARKS.--Records good. Prior to January 1951, diurnal fluctuation at low flow caused by powerplant near Lawrenceburg.

AVERAGE DISCHARGE.--59 years, 651 ft³/s, 25.40 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 132,000 ft³/s Mar. 21, 1955, gage height, 27.25 ft, site and datum then in use, present site and datum, 28.4 ft from high water profile, rating curve extended above 50,000 ft³/s on basis of slope-area measurement made 1,500 ft downstream; minimum, 38 ft³/s Aug. 31, 1943.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in March 1902 reached a stage about 3 ft higher than that of Mar. 21, 1955, from information by local residents.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 6,500 ft³/s, and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec. 4	0500	*18,000	*16.88	May 4	1000	9,240	13.07
Apr. 22	1500	10,300	13.83	May 8	1230	14,400	15.59
May 3	1530	11,700	14.48				

Minimum discharge, 124 ft³/s Sept. 23, 24, 26.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	143	156	606	660	405	630	853	868	358	235	245	193
2	141	153	551	580	387	591	757	2620	348	233	274	174
3	138	153	5230	530	444	549	809	9430	337	213	274	171
4	138	465	11300	491	450	513	921	6730	328	205	256	216
5	144	360	2460	465	421	698	841	2450	318	204	245	183
6	162	245	1700	443	400	816	746	1600	310	427	228	166
7	146	208	1280	416	365	797	670	1820	304	277	223	158
8	139	191	1000	389	353	733	621	10100	302	302	224	151
9	136	178	838	370	349	646	590	3800	292	239	215	145
10	134	174	748	439	468	582	577	1910	285	216	246	147
11	140	177	1690	523	558	540	534	1370	280	205	215	154
12	151	171	2350	475	594	506	497	1100	277	207	199	150
13	361	163	1420	474	765	720	475	905	270	312	187	146
14	305	162	1560	469	743	834	449	793	267	241	179	142
15	205	359	1400	461	674	765	430	698	261	213	197	140
16	178	343	1080	462	635	869	426	636	254	805	212	135
17	169	243	876	452	577	1000	423	581	244	617	185	134
18	174	209	755	462	524	1460	398	544	238	521	180	133
19	261	200	665	431	498	1360	384	518	230	344	218	133
20	199	822	593	413	457	1340	387	497	240	266	281	133
21	175	663	550	413	423	1330	404	491	356	236	220	133
22	178	417	628	410	403	1070	5980	484	321	219	187	130
23	264	1850	597	401	417	889	2340	532	472	207	181	126
24	232	3190	559	623	396	778	1280	511	436	200	167	125
25	201	1060	555	653	374	806	942	446	287	199	158	126
26	180	723	555	603	354	720	777	428	239	203	153	126
27	170	800	552	571	656	668	700	439	228	240	151	134
28	165	1500	1650	540	780	1700	1160	435	218	283	152	137
29	160	1020	1320	510	693	1780	1260	403	227	222	825	140
30	158	752	1050	472	---	1260	1000	382	220	206	315	139
31	156	---	840	427	---	1010	---	369	---	266	231	---
TOTAL	5603	17107	46958	15028	14563	27960	27631	53890	8747	8763	7223	4420
MEAN	181	570	1515	485	502	902	921	1738	292	283	233	147
MAX	361	3190	11300	660	780	1780	5980	10100	472	805	825	216
MIN	134	153	550	370	349	506	384	369	218	199	151	125
CFSM	.52	1.64	4.35	1.39	1.44	2.59	2.65	4.99	.84	.81	.67	.42
IN.	.60	1.83	5.02	1.61	1.56	2.99	2.95	5.76	.94	.94	.77	.47

CAL YR 1983	TOTAL	320525	MEAN	878	MAX	12000	MIN	134	CFSM	2.52	IN.	34.26
WTR YR 1984	TOTAL	237893	MEAN	650	MAX	11300	MIN	125	CFSM	1.87	IN.	25.43

TENNESSEE RIVER BASIN
TENNESSEE RIVER MAIN STEM

03589500 TENNESSEE RIVER AT FLORENCE, AL

LOCATION.--Lat 34°47'13", long 87°40'12", in SW¼ sec. 14, T. 3 S., R. 11 W., Lauderdale County, Hydrologic Unit 06030005, on right bank at lower end of Patton Island, 137 ft upstream from Southern Railway bridge, 700 ft upstream from O'Neal Bridge on U.S. Highway 72, 1.1 mi south of Florence Post Office, 1.7 mi upstream from Cypress Creek, 2.7 mi downstream from Wilson Dam, and at mile 256.7.

DRAINAGE AREA.--30,810 mi², approximately.

PERIOD OF RECORD.--November 1871 to September 1894 (gage heights only), October 1894 to current year.

REVISED RECORD.--WSP 473: 1897(M). WSP 1306: 1914(M), 1936 (monthly runoff). WSP 1436: 1897, 1899, 1916.

GAGE.--Water-stage recorder. Datum of gage is 401.12 ft National Geodetic Vertical Datum of 1929. Prior to Apr. 1, 1926, several National Weather Service staff gages at or near Southern Railway bridge 137 ft downstream at same datum. Apr. 1, 1926, to Mar. 11, 1958, water-stage recorder on left bank at lower end of old lock and dam, 1,400 ft upstream at same datum. Since Oct. 1, 1938, auxiliary water-stage recorder 15.2 mi downstream.

REMARKS.--Water-discharge records good except those below 25,000 ft³/s, which are fair. Slight regulation since 1924 by Wilson Lake and increasing regulation since 1936 as other reservoirs have been built above station. Flow now almost completely regulated.

AVERAGE DISCHARGE.--90 years, 52,034 ft³/s, 22.93 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge 530,000 ft³/s Mar. 17, 1973, gage height, 30.03 ft, maximum gage height, 32.5 ft Mar. 19, 1897; minimum daily discharge, 105 ft³/s Sept. 7, 1969 (computed on basis of Wilson Dam records), minimum gage height, -0.30 ft Oct. 8, 1925, caused by filling of Wilson Lake.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in 1867 reached a stage of 31.1 ft, from National Weather Service records, discharge, 421,000 ft³/s.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 339,000 ft³/s May 4, maximum gage height, 23.81 ft May 9; minimum daily discharge, 10,600 ft³/s Oct. 1.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10600	32300	105000	132000	58200	84600	90200	105000	44700	28500	60100	41800
2	11900	27600	103000	123000	59200	79800	73700	125000	39700	38200	67400	39800
3	12700	26100	160000	119000	58200	81500	64100	282000	38500	40500	75100	42200
4	14300	24900	296000	99600	43700	83200	77700	313000	42000	31700	58300	59400
5	16000	22900	254000	75700	38200	82500	82700	248000	60100	37800	56900	52100
6	21700	23100	191000	71600	39300	80100	84200	216000	58800	27400	53900	49500
7	21900	32500	150000	44700	45800	67500	68800	204000	55900	36100	55700	54500
8	16000	33000	114000	12200	41800	65300	73500	243000	36900	57400	47400	29700
9	15700	36900	102000	44500	42300	60900	63200	295000	24000	48300	49600	24300
10	19300	34700	100000	58600	39900	57000	61200	296000	26700	48000	57800	50100
11	18300	33100	97800	52400	33200	45000	53100	295000	25900	51800	58400	48100
12	21500	26700	94000	69400	50100	53400	56100	297000	32600	54500	44700	47800
13	26000	17200	96400	60900	44300	61700	57500	268000	32500	43700	45600	47300
14	32800	30800	99800	52500	52100	46000	45600	225000	34200	36600	47800	50100
15	30200	31900	92300	42800	78900	47800	51100	193000	27400	32400	48600	28300
16	21900	40300	66600	52400	76200	42600	59600	155000	27300	49800	47200	22900
17	26300	40600	56400	55800	85100	44800	59600	102000	23300	45500	47800	47900
18	26200	35900	38000	70700	77600	58300	56600	87400	34600	53900	41000	52500
19	25900	25800	54300	71000	72200	58600	56100	72200	36800	53300	29900	50600
20	28800	26300	48800	76800	62200	45200	54600	62600	40000	52200	51100	54400
21	24800	49300	37600	65200	52800	63100	53800	66100	36400	50400	51600	46300
22	13700	44900	54000	63500	58600	77500	83200	58800	32500	45400	44500	24500
23	19800	43500	99000	56200	57800	87500	109000	55700	27000	48700	41200	21000
24	16300	63400	94400	61200	49400	75600	105000	50500	30500	52700	42800	25000
25	17300	62700	90000	70300	48500	78800	90700	48900	38400	48100	35200	43700
26	17300	51100	103000	72200	51600	59600	76000	50200	45100	47500	28600	37700
27	23400	48600	83100	72200	61900	43400	82600	50500	43000	43000	46400	40300
28	24200	81700	110000	67100	90100	72600	96500	48200	44000	45900	47200	31500
29	21300	104000	146000	63900	86400	78200	145000	56900	33900	40600	43900	21800
30	22600	104000	144000	62200	---	92600	131000	53000	28400	46100	47000	22900
31	33000	---	139000	61900	---	91400	---	47700	---	49600	47000	---
TOTAL	651700	1255800	3419500	2101500	1655600	2066100	2262000	4670700	1101100	1385600	1519700	1208000
MEAN	21020	41860	110300	67790	57090	66650	75400	150700	36700	44700	49020	40270
MAX	33000	104000	296000	132000	90100	92600	145000	313000	60100	57400	75100	59400
MIN	10600	17200	37600	12200	33200	42600	45600	47700	23300	27400	28600	21000
CFSM	.68	1.36	3.58	2.20	1.85	2.16	2.45	4.89	1.19	1.45	1.59	1.31
IN.	.79	1.52	4.13	2.54	2.00	2.49	2.73	5.64	1.33	1.67	1.83	1.46
CAL YR 1983	TOTAL	21504800	MEAN	58920	MAX	296000	MIN	10600	CFSM	1.91	IN.	25.96
WTR YR 1984	TOTAL	23297300	MEAN	63650	MAX	313000	MIN	10600	CFSM	2.07	IN.	28.13

RESERVOIRS IN TENNESSEE RIVER BASIN

03574000 GUNTERSVILLE LAKE.--Lat 34°25'17", long 86°23'34", sec. 14, T. 7 S., R. 2 E., Marshall County, Hydrologic Unit 06030001, in powerhouse at Guntersville Dam on Tennessee River, 11 mi northwest of Guntersville, and at mile 349.0. DRAINAGE AREA, 24,450 mi², approximately. PERIOD OF RECORD, October 1938 to current year. GAGE, water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929.

Reservoir is formed by concrete dam with riprapped earth embankments. Spillway equipped with eighteen 2-section lift gates 40.44 ft high by 50 ft wide. Dam completed and storage began Jan. 16, 1939; water in reservoir first reached minimum navigation pool elevation Jan. 27, 1939. Total level pool capacity at elevation 595.44 ft (top of gates) is 530,400 ft³/s-day, of which 86,900 ft³/s-day is controlled flood storage above elevation 593.00 ft (minimum navigation pool). Reservoir is used for navigation, flood control, and power. Records furnished by Tennessee Valley Authority.

EXTREMES FOR PERIOD OF RECORD: Maximum elevation 596.29 ft Mar. 2, 1944; minimum (after start of operation plan in April 1940), 590.65 ft Nov. 12, 1968. Contents based on backwater profile.

EXTREMES FOR CURRENT YEAR: Maximum midnight contents during year, 690,000 ft³/s-day May 10; maximum elevation, 595.53 ft Apr. 25; minimum midnight contents, 444,000 ft³/s Feb. 12; minimum elevation 592.77 ft Feb. 12.

03586000 WHEELER LAKE.--Lat 34°47'52", long 87°22'51", SW¹/₄ sec. 9, T. 3 S., R. 8 W., Lawrence County, Hydrologic Unit 06030005, at Wheeler Dam on Tennessee River, 0.8 mi upstream from Big Nance Creek, 30.1 mi downstream from Decatur, 74.1 mi downstream from Guntersville Dam, and at mile 274.9. DRAINAGE AREA, 29,590 mi², approximately. PERIOD OF RECORD, September 1936 to current year. GAGE, water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929.

Reservoir is formed by concrete dam with 60 radial gates 15 ft high by 40 ft wide and 2 trashway gates 6 ft high by 37.5 ft wide. Storage began Oct. 3, 1936; water in reservoir first reached minimum pool elevation Dec. 10, 1936. Total level pool capacity at elevation 556.28 ft (top of gates) is 540,000 ft³/s-day of which 177,000 ft³/s-day is controlled flood storage above elevation 550.00 ft (ordinary minimum pool). Reservoir is used for navigation, flood control, and power. Records furnished by Tennessee Valley Authority.

EXTREMES FOR PERIOD OF RECORD: Maximum elevation 557.32 ft Mar. 1, 1944; minimum (after start of operation plan in August 1937), 548.43 ft Dec. 9, 1962. Contents based on backwater profile.

EXTREMES FOR CURRENT YEAR: Maximum midnight contents during year, 702,000 ft³/s-day May 10; maximum elevation 556.40 ft May 3, minimum midnight contents, 368,000 ft³/s Jan. 9; minimum elevation 550.00 ft Feb. 5.

03589000 WILSON LAKE.--Lat 34°47'46", long 87°37'27", in SE¹/₄ sec. 18, T. 3 S., R. 10 W., Colbert County, Hydrologic Unit 06030005, at cooling-water intake at Wilson Dam on Tennessee River, 2.9 mi southeast of Florence, 4.1 mi upstream from Cypress Creek, 15.5 mi downstream from Wheeler Dam, and at mile 259.4. DRAINAGE AREA, 30,750 mi², approximately. PERIOD OF RECORD, April 1924 to current year. Prior to August 1926 monthend contents only, published in WSP 1306. GAGE, water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929.

Reservoir is formed by concrete gravity dam with fixed ogee crest. Spillway equipped with 58 Stoney gates 20.54 ft high by 38 ft wide. Storage began Apr. 14, 1924. Revised capacity table used after Dec. 31, 1970. Total capacity at elevation 507.88 ft (top of gates) is 322,800 ft³/s-day of which 26,800 ft³/s-day is controlled flood storage above elevation 504.50 ft (minimum pool). Reservoir is used for navigation, flood control, and power. Records furnished by Tennessee Valley Authority.

EXTREMES FOR PERIOD OF RECORD: Maximum contents, 329,800 ft³/s-day Apr. 29, 1963; maximum elevation, 508.38 ft May 19, 1983; minimum contents, 233,200 ft³/s-day Apr. 6, 1927, elevation, 501.30 ft.

EXTREMES FOR CURRENT YEAR: Maximum contents during year, 323,000 ft³/s-day Nov. 21; elevation, 507.90 ft Nov. 21; minimum 297,000 ft³/s-day Mar. 24, elevation 504.64 ft.

MONTHEND ELEVATION AND CONTENTS AT 2400, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

Date	Elevation (feet)	Contents (cfs-day)	Change in contents (cfs-day)	Elevation (feet)	Contents (cfs-day)	Change in contents (cfs-day)	Elevation (feet)	Contents (cfs-day)	Change in contents (cfs-day)
	03574000	GUNTERSVILLE LAKE		03586000	WHEELER LAKE		03589000	WILSON LAKE	
Sept. 30.....	593.00	444,000	.....	552.95	432,000	.....	506.20	309,300	.....
Oct. 31.....	593.75	469,000	+25,000	551.99	408,000	-24,000	506.56	312,200	+ 2,900
Nov. 30.....	593.70	480,000	+11,000	553.50	476,000	+68,000	507.58	320,400	+ 8,200
Dec. 31.....	594.45	515,000	+35,000	553.50	479,000	+ 3,000	505.86	306,600	-13,800
CAL YR 1983	.....	.....	+32,000	.....	.....	+14,000	.....	.....	+ 2,500
Jan. 31.....	593.40	465,000	-50,000	550.71	390,000	-89,000	505.51	304,000	- 2,600
Feb. 28.....	593.35	475,000	+10,000	551.41	418,000	+28,000	505.52	303,900	- 100
Mar. 31.....	594.30	500,000	+25,000	554.10	482,000	+64,000	505.58	304,000	+ 100
Apr. 30.....	594.95	517,000	+17,000	556.03	535,000	+53,000	507.45	319,300	+15,300
May 31.....	594.75	513,000	- 4,000	555.62	523,000	-12,000	507.30	318,000	- 1,300
June 30.....	594.95	513,000	0	555.35	507,000	-16,000	506.47	311,500	- 6,500
July 31.....	594.20	496,000	-17,000	554.80	498,000	- 9,000	506.72	313,500	+ 2,000
Aug. 31.....	594.10	489,000	- 7,000	554.09	474,000	-24,000	506.05	308,100	- 5,400
Sept. 30.....	593.95	476,000	-13,000	553.06	435,000	-39,000	507.20	317,300	- 9,200
WTR YR 1984	.....	.....	+32,000	.....	.....	- 3,000	.....	.....	+ 8,000

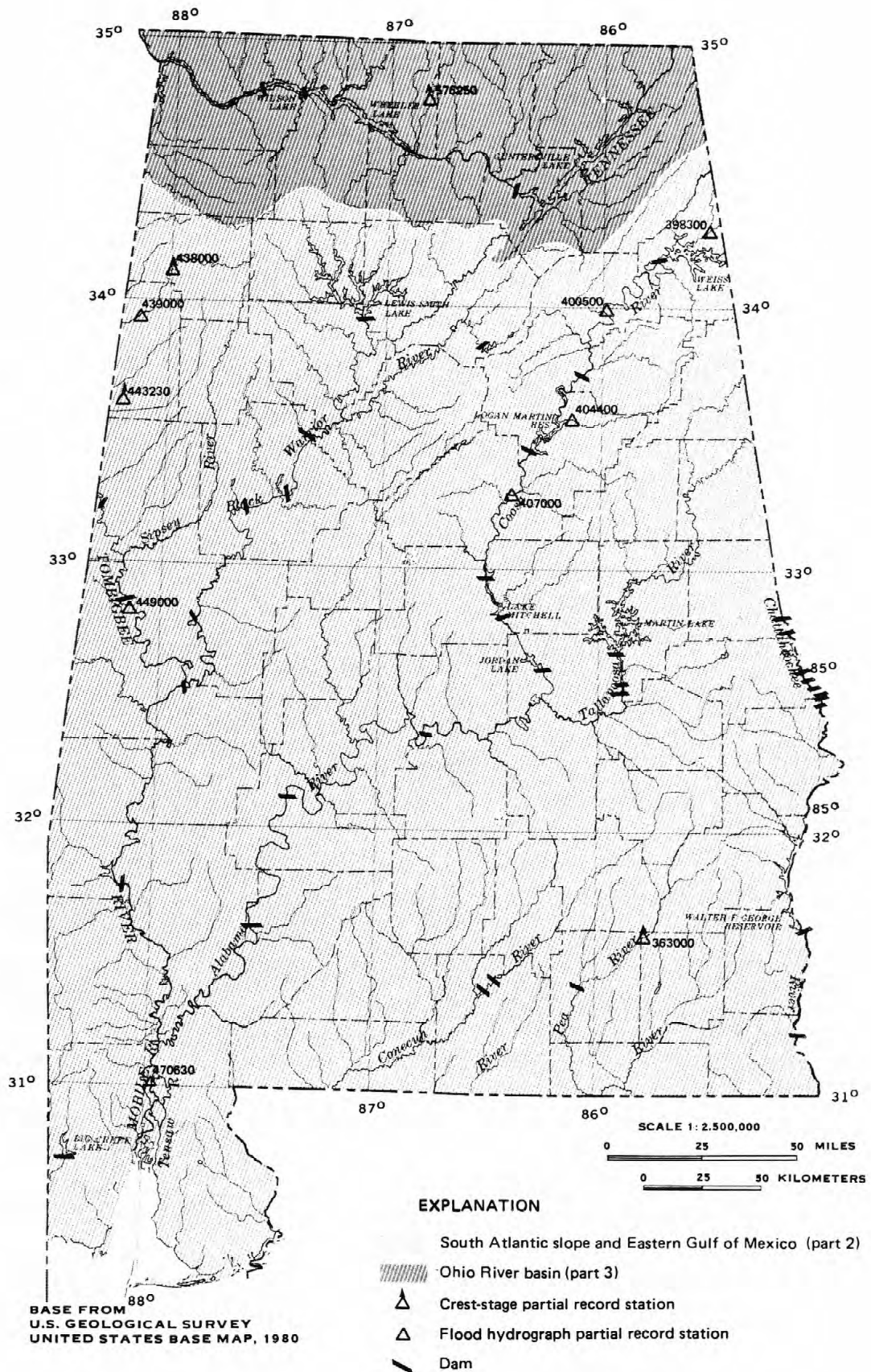


Figure 6.--Map of Alabama showing location of partial-record stations.

The data given in the following tables generally comprise a description of the station and a table showing time, gage height, and discharge at selected times for major peaks that occurred during the year.

The description of the station gives the location, drainage area, period of record, type and history of gages, extremes of discharge and general remarks. The explanation of data presented is identical to that for gaging stations.

Flood hydrograph partial-record stations

MOBILE RIVER BASIN

02398300 CHATTOOGA RIVER ABOVE GAYLESVILLE, AL

LOCATION.--Lat 34°17'25", long 85°30'33", in NW¼ sec. 5, T. 9 S., R. 11 E., Cherokee County, Hydrologic Unit 03150105, on left bank 10 ft upstream from bridge on county road, 600 ft downstream from Mills Creek, 3.5 mi northeast of Gaylesville, and 20.1 mi above mouth.

DRAINAGE AREA.--366 mi².

PERIOD OF RECORD.--January 1959 to September 1967. October 1967 to September 1971 (annual maximum only). October 1971 to current year (flood hydrograph only).

REVISED RECORDS.--WSP 1906: Location. AL-83-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 562.11 ft National Geodetic Vertical Datum of 1929 (Alabama Power Company bench mark). December 4, 1958, to July 20, 1959, nonrecording gage at same site and datum.

REMARKS.--Records good. No gage-height record Oct. 1 to Nov. 21, Nov. 25 to Jan. 4.

AVERAGE DISCHARGE.--8 years (water years 1960-67), 670 ft³/s, 24.72 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 17,000 ft³/s Jan. 4, 1982, gage height, 22.23 ft; 1959-67, minimum daily discharge, 115 ft³/s Oct. 25 to Nov. 3, 1961, Sept. 25, 1964.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Mar. 30, 1951, reached a stage of 23.5 ft from floodmarks.

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

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec. 3	unknown	7,370	17.48 (floodmark)	May 4	1700	7,760	17.86
Dec. 28	unknown	unknown	unknown	May 9	1245	7,500	17.61
Apr. 4	1730	*8,120	*18.12				

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME, 1984 WATER YEAR

Date	Time	Discharge	Date	Time	Discharge	Date	Time	Discharge	Date	Time	Discharge
03-27	2400	632	04-04	0400	1,812	05-03	1200	5,770	05-08	0100	3,080
			04-04	0600	3,180	05-03	1600	6,480	05-08	0200	3,000
03-28	0600	1,070	04-04	0800	4,610	05-03	2000	6,840	05-08	0600	2,820
03-28	1200	1,630	04-04	1000	6,200	05-03	2400	7,120	05-08	0900	2,720
03-28	1800	2,480	04-04	1200	7,120				05-08	1100	2,530
03-28	2400	3,640	04-04	1600	8,050	05-04	0500	7,270	05-08	1200	6,760
			04-04	1730	8,120	05-04	0800	7,410	05-08	1600	6,880
03-29	0400	4,220	04-04	2000	7,960	05-04	1200	7,610	05-08	2000	6,970
03-29	0615	4,310	04-04	2400	7,760	05-04	1600	7,750	05-08	2400	7,060
03-29	0800	4,260				05-04	1700	7,760			
03-29	1200	4,020	04-05	0600	7,480	05-04	1800	7,760	05-09	0400	7,190
03-29	1800	3,310	04-05	1200	7,040	05-04	2000	7,700	05-09	0800	7,370
03-29	2400	2,460	04-05	1800	6,180	05-04	2400	7,470	05-09	1000	7,450
			04-05	2400	4,000				05-09	1200	7,490
03-30	1200	1,610				05-05	0600	7,770	05-09	1245	7,500
03-30	2400	1,360	04-06	0600	2,240	05-05	0800	6,490	05-09	1400	7,480
			04-06	1200	1,860	05-05	1200	5,450	05-09	1800	7,320
03-31	1200	1,200	04-06	1800	1,680	05-05	1500	4,190	05-09	2100	7,030
03-31	2400	1,080	04-06	2400	1,520	05-05	1800	2,900	05-09	2400	6,670
						05-05	2100	2,180			
04-01	2400	913	04-07	1200	1,340	05-05	2400	1,920	05-10	0300	6,120
			04-07	2400	1,180				05-10	0600	5,250
04-02	1200	866				05-06	1200	1,520	05-10	0900	3,980
04-02	2000	827	04-08	2400	1,020	05-06	2400	1,330	05-10	1200	2,800
04-02	2245	816							05-10	1500	2,160
04-02	2400	823	05-02	1200	827	05-07	1200	1,180	05-10	1800	1,860
			05-02	1800	1,390	05-07	1800	1,090	05-10	2400	1,610
04-03	0600	946	05-02	2400	2,720	05-07	2015	1,060			
04-03	1200	1,380				05-07	2100	1,200	05-11	1200	1,380
04-03	1800	1,550	05-03	0400	3,710	05-07	2200	1,730	05-11	2400	1,200
04-03	2400	1,640	05-03	0800	4,740	05-07	2400	3,030			
									05-12	1200	1,080
									05-12	2400	968

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

Flood hydrograph partial-record stations--Continued

MOBILE RIVER BASIN

MOBILE RIVER MAIN STEM

02400500 COOSA RIVER AT GADSDEN, AL

LOCATION.--Lat 34°00'37", long 85°59'52", in NE¼ sec. 10, T. 12 S., R. 6 E., Etowah County, Hydrologic Unit 03150106, near midstream in pier of Etowah County Memorial Bridge on Forrest Avenue in Gadsden, 450 ft downstream from Louisville & Nashville Railroad bridge, 1.5 mi upstream from Big Wills Creek, and at mile 174.8.

DRAINAGE AREA.--5,805 mi².

PERIOD OF RECORD.--October 1926 to September 1976. October 1976 to current year (flood hydrograph and gage-height record only). Gage-height records collected at same site since 1890 are contained in reports of National Weather Service.

REVISED RECORDS.--WSP 682: Drainage area. WSP 1906: 1944, 1947-49, 1951-52, 1954, 1958.

GAGE.--Water-stage recorder. Datum of gage is 485.97 ft National Geodetic Vertical Datum of 1929. Prior to Oct. 1, 1926, nonrecording gage on Louisville & Nashville Railroad bridge 450 ft upstream at datum 1.15 ft higher. Oct. 1, 1926, to Mar. 31, 1932, water-stage recorder, and Apr. 1, 1932, to May 23, 1935, nonrecording gage, at present site and datum. Since May 4, 1965, auxiliary water stage recorder 2.2 mi upstream from base gage at present datum.

REMARKS.--Water-discharge record good. Since December 1949, flow regulated by Allatoona Reservoir (station 02393500) 158.8 mi upstream and since April 1961, by Weiss Reservoir (station 02399499) 31.5 mi upstream.

AVERAGE DISCHARGE.--50 years (water years 1927-76), 9,468 ft³/s, 22.15 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 76,900 ft³/s Apr. 11, 1936, gage height, 31.13 ft; minimum daily, 100 ft³/s, many days in water year 1967.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Apr. 6, 1886, reached a stage of 37.9 ft, from floodmarks established by Corps of Engineers, discharge 115,000 ft³/s, from rating curve extended above 80,000 ft³/s. Flood of July 15, 1916, reached a stage of 32.7 ft, discharge 85,000 ft³/s.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 47,400 ft³/s Aug. 1; maximum gage height 23.74 ft Dec. 6.

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME, 1984 WATER YEAR

Date	Time	Discharge	Date	Time	Discharge	Date	Time	Discharge	Date	Time	Discharge
12-02	2400	22,300	12-17	2400	24,700	05-03	0600	16,600	05-15	1200	17,100
12-03	1200	30,600	12-18	2400	24,200	05-03	1200	19,500	05-15	2400	21,500
12-03	2400	32,700	12-19	2400	23,700	05-03	1800	23,100	05-16	1200	16,900
12-04	1200	33,600	12-20	2400	20,900	05-03	2400	26,700	05-16	2400	19,100
12-04	2400	36,200	12-26	2400	14,400	05-04	0600	32,900	05-17	2400	20,300
12-05	1200	39,300	12-27	2400	19,700	05-04	1200	34,100	05-18	2400	20,600
12-05	2400	41,200	12-28	1200	22,800	05-04	1800	33,500	05-19	2400	17,500
12-06	0600	43,200	12-28	2400	28,000	05-05	0600	18,000	05-19	2400	17,500
12-06	1200	43,100	12-29	1200	28,900	05-05	1200	14,000	07-31	2400	44,200
12-06	1400	44,000	12-29	2400	27,900	05-05	1800	23,500	08-01	1200	46,300
12-06	2400	43,100	12-30	2400	27,600	05-05	2400	25,300	08-01	2400	47,400
12-07	1200	43,400	12-31	2400	26,100	05-06	1200	32,800	08-02	1200	44,900
12-07	2400	42,800	01-01	2400	25,600	05-06	2400	28,500	08-02	2400	45,000
12-08	1200	41,800	01-02	2400	25,200	05-07	1200	27,200	08-03	1200	43,600
12-08	2400	41,400	01-03	2400	25,200	05-07	2400	22,100	08-03	2400	42,900
12-09	1200	39,500	01-04	2400	24,700	05-08	2400	38,300	08-04	1200	39,600
12-09	2400	33,800	01-05	2400	24,600	05-09	1200	39,600	08-04	2400	34,800
12-10	1200	30,100	01-06	2400	21,700	05-09	2400	40,500	08-05	1200	33,400
12-10	2400	27,300	01-07	2400	20,600	05-10	1200	40,400	08-05	2400	33,600
12-11	1200	26,800	05-02	2400	15,800	05-10	2400	41,000	08-06	1200	30,600
12-11	2400	26,500				05-11	1200	37,100	08-06	2400	27,500
12-12	2400	25,700				05-11	2400	32,300	08-07	2400	24,200
12-13	2400	25,400				05-12	1200	30,700	08-08	2400	21,700
12-14	2400	25,400				05-12	2400	29,000	08-09	2400	19,500
12-15	2400	24,900				05-13	1200	27,700	08-10	2400	18,400
12-16	2400	24,800				05-13	2400	25,700			
						05-14	1200	24,300			
						05-14	2400	23,200			

Flood hydrograph partial-record stations--Continued

MOBILE RIVER BASIN

02404400 CHOCCOLOCCO CREEK AT JACKSON SHOALS, NEAR LINCOLN, AL

LOCATION.--Lat 33°32'54", long 86°05'49", in SE¼ sec. 15, T. 17 S., R. 5 E., Talladega County, Hydrologic Unit 03150106, on left bank at foot of Jackson Shoals, 50 ft upstream from Alabama Power Company Jackson Shoals transformer station, 900 ft upstream from highway bridge, 1.8 mi downstream from Eastaboga Creek, and 4.5 mi southeast of Lincoln.

DRAINAGE AREA.--481 mi² (revised).

PERIOD OF RECORD.--October 1960 to September 1967, October 1967 to September 1970 (annual maximum only), October 1970 to September 1974 continuous gage-height record in files of Geological Survey, October 1974 to current year (flood hydrograph only).

GAGE.--Water-stage recorder. Datum of gage is 448.50 ft National Geodetic Vertical Datum of 1929 (Alabama Power Company bench mark).

REMARKS.--Records fair.

AVERAGE DISCHARGE.--7 years (water years 1961-1967), 807 ft³/s, 22.78 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 36,900 ft³/s Apr. 30, 1963, gage height, 39.98 ft.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of March 1951 reached a stage of 42.4 ft from floodmarks.

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

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec. 6	1400	*14,200	*30.91				

GAGE HEIGHT, IN FEET, AND DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME, 1984 WATER YEAR

Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge
11-22	1200	18.56	482	11-30	1200	20.21	1,400	12-06	0600	26.99	8,390
11-22	2400	18.46	437	11-30	2400	19.67	1,060	12-06	0700	27.88	9,630
								12-06	0800	28.61	10,600
11-23	1200	18.39	406	12-01	1200	19.42	916	12-06	0900	29.09	11,300
11-23	1800	19.67	1,060	12-01	2400	19.28	836	12-06	1000	29.74	12,200
11-23	2100	21.73	2,550					12-06	1100	30.28	13,000
11-23	2400	22.93	3,610	12-02	1200	19.37	888	12-06	1200	30.64	13,600
				12-02	2400	19.70	1,080	12-06	1300	30.80	13,900
11-24	0200	23.43	4,100					12-06	1400	30.91	14,200
11-24	0300	23.65	4,320	12-03	0200	20.66	1,710	12-06	1500	30.85	14,000
11-24	0400	23.67	4,350	12-03	0400	22.12	2,880	12-06	1600	30.63	13,600
11-24	0500	23.69	4,370	12-03	0600	23.88	4,580	12-06	1700	30.25	13,000
11-24	0600	23.42	4,090	12-03	0800	25.32	6,240	12-06	1800	29.80	12,300
11-24	1200	22.53	3,250	12-03	1000	26.36	7,570	12-06	2000	29.00	11,200
11-24	1800	22.32	3,060	12-03	1200	26.77	8,100	12-06	2200	28.28	10,200
11-24	2400	22.05	2,820	12-03	1400	26.98	8,370	12-06	2400	27.76	9,460
				12-03	1600	26.99	8,390				
11-25	1200	21.51	2,370	12-03	1800	27.18	8,650	12-07	0600	26.62	7,910
11-25	2400	20.97	1,940	12-03	2000	27.96	9,740	12-07	1200	25.96	7,050
				12-03	2200	28.73	10,800	12-07	1800	25.38	6,320
11-26	1200	20.41	1,540	12-03	2400	29.09	11,300	12-07	2400	24.93	5,780
11-26	2400	20.02	1,280								
				12-04	0100	29.23	11,500	12-08	0600	24.59	5,370
11-27	1200	20.42	1,540	12-04	0200	29.31	11,600	12-08	1200	24.19	4,920
11-27	2400	21.09	2,030	12-04	0300	29.26	11,600	12-08	1800	23.71	4,390
				12-04	0400	29.13	11,400	12-08	2400	23.28	3,950
11-28	0600	21.95	2,740	12-04	0600	28.86	11,000				
11-28	1100	22.43	3,160	12-04	1200	27.74	9,440	12-09	0600	22.86	3,540
11-28	1200	22.24	2,990	12-04	1800	26.44	7,670	12-09	1200	22.63	3,340
11-28	1800	21.41	2,290	12-04	2400	25.51	6,470	12-09	1800	22.33	3,070
11-28	2400	21.05	2,000					12-09	2400	22.10	2,860
				12-05	1200	24.69	5,490				
11-29	1200	20.68	1,730	12-05	2400	24.26	5,000	12-10	1200	21.82	2,630
11-29	2400	20.55	1,640					12-10	2400	21.54	2,390
				12-06	0200	24.50	5,260				
				12-06	0400	25.41	6,350				

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

Flood hydrograph partial-record stations--Continued

MOBILE RIVER BASIN

MOBILE RIVER MAIN STEM

02407000 COOSA RIVER AT CHILDERSBURG, AL

LOCATION.--Lat 33°17'30", long 86°21'50", in NE¼ sec. 18, T. 20 S., R. 3 E., Shelby County, Hydrologic Unit 03150107, near right bank on downstream side of Central of Georgia Railway bridge, 700 ft upstream from bridge on State Highway 38, 0.5 mi downstream from Tallasseehattee Creek, 1 mi northwest of Childersburg, and at mile 86.3.

DRAINAGE AREA.--8,392 mi² (revised).

PERIOD OF RECORD.--October 1913 to September 1978. October 1978 to current year (flood hydrograph only). Monthly discharge only for periods October 1913 to February 1914, June 1915, July to September, November 1916, published in WSP 1304.

GAGE.--Water-stage recorder. Datum of gage is 382.45 ft National Geodetic Vertical Datum of 1929 (levels by Alabama Power Co.). Prior to Oct. 1, 1915, at datum 0.10 ft lower. Since Sept. 29, 1967, auxiliary water-stage recorder, 3.5 mi downstream.

REMARKS.--Record poor. Since December 1949 flow regulated by Allatoona Reservoir on Etowah River, since April 1961 by Weiss Reservoir on Coosa River, since July 1964 by Logan-Martin Reservoir. (See Reservoirs in Mobile River basin.)

AVERAGE DISCHARGE.--65 years (water years 1914-78), 13,860 ft³/s, 22.43 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 150,000 ft³/s Apr. 14, 1979; maximum gage height, 30.41 ft Feb. 23, 1961; minimum daily discharge, 378 ft³/s Apr. 20, 1975.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 85,900 ft³/s Dec. 6, gage height, 21.82 ft.

GAGE HEIGHT, IN FEET, AND DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME, 1984 WATER YEAR

Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge
11-27	1200	15.46	28,600	12-07	0600	21.54	83,900	12-28	1200	17.82	44,900
11-27	1800	16.20	32,300	12-07	1200	21.32	80,500	12-28	1800	18.01	41,300
11-27	2400	17.13	35,500	12-07	1800	21.31	80,400	12-28	2400	17.78	43,400
				12-07	2400	21.20	79,600				
11-28	0600	17.53	44,600					12-29	0600	17.50	63,200
11-28	1200	19.02	57,900	12-08	0600	21.00	78,300	12-29	1200	18.66	62,100
11-28	1800	18.21	57,300	12-08	1200	20.74	73,800	12-29	1800	18.94	59,000
11-28	2400	19.16	59,400	12-08	1800	20.60	73,800	12-29	2400	18.80	53,100
				12-08	2400	20.48	73,800				
11-29	0600	19.03	61,000					12-30	0600	18.64	54,600
11-29	1200	18.90	56,600	12-09	0600	20.34	73,700	12-30	1200	18.34	51,100
11-29	1800	18.74	54,300	12-09	1200	20.05	69,200	12-30	1800	18.20	51,300
11-29	2400	18.45	53,100	12-09	1800	19.45	61,700	12-30	2400	18.16	51,100
				12-09	2400	19.23	60,500				
11-30	0600	18.12	51,600					12-31	0600	18.12	50,900
11-30	1200	17.95	50,200	12-10	1200	18.90	56,600	12-31	1200	17.86	43,700
11-30	1800	17.01	31,900	12-10	2400	18.82	56,200	12-31	1800	17.10	38,600
11-30	2400	16.53	32,600					12-31	2400	17.00	39,600
				12-11	1200	18.34	52,600				
12-01	1200	16.11	27,900	12-11	2400	18.28	52,300	01-01	1200	16.52	32,600
12-01	2400	16.00	28,200					01-01	2400	16.26	31,900
				12-12	1200	17.23	37,700				
12-02	1200	15.73	28,700	12-12	2400	16.41	31,000	01-02	1200	16.10	30,200
12-02	2400	16.21	31,700					01-02	2400	16.20	32,300
				12-13	0600	16.42	34,200				
12-03	0300	16.94	35,600	12-13	1200	16.61	32,200	01-03	1200	16.20	31,100
12-03	0600	19.02	54,800	12-13	1800	17.56	42,700	01-03	2400	16.28	31,900
12-03	1200	21.00	69,200	12-13	2400	17.88	49,300				
12-03	1800	21.91	76,700					01-04	1200	16.10	31,500
12-03	2400	22.21	78,700	12-14	0600	17.93	50,100	01-04	2400	16.34	30,800
				12-14	1200	16.86	35,400				
12-04	0600	22.40	81,100	12-14	2400	16.48	32,400	01-05	1200	16.12	27,300
12-04	1200	22.33	79,600					01-05	2400	16.10	26,600
12-04	1800	21.95	76,900	12-15	1200	16.53	31,300				
12-04	2400	21.45	73,800	12-15	2400	16.40	29,100	01-06	1200	15.82	26,600
								01-06	2400	15.76	26,500
12-05	0600	20.90	70,400	12-16	1200	16.40	29,100				
12-05	1200	20.65	72,300	12-16	2400	16.40	31,000	07-31	0600	15.92	30,400
12-05	1800	20.78	73,200					07-31	1200	17.09	43,200
12-05	2400	20.51	71,400	12-17	1200	16.14	25,500	07-31	1800	17.72	48,000
				12-17	2400	15.96	26,900	07-31	2400	17.74	47,400
12-06	0600	21.12	72,600								
12-06	1200	21.68	81,000	12-18	1200	15.90	26,200	08-01	0600	17.71	47,300
12-06	1800	21.81	83,800	12-18	2400	15.80	24,800	08-01	1200	17.74	46,000
12-06	1900	21.82	85,900					08-01	1800	17.66	44,400
12-06	2400	21.72	85,100	12-28	0600	16.10	42,400	08-01	2400	17.41	42,900

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

Flood hydrograph partial-record stations--Continued

MOBILE RIVER BASIN

02439000 BUTTAHATCHEE RIVER NEAR SULLIGENT, AL

LOCATION.--Lat 33°55'08", long 88°07'47", in NE¼ sec. 19, T. 13 S., R. 15 W., Lamar County, Hydrologic Unit 03160103, near left bank on downstream side of bridge on State Highway 17, 1 mi upstream from Bogue Creek, 1.5 mi northwest of Sulligent, 2 mi downstream from Beaver Creek, and at mile 56.7.

DRAINAGE AREA.--472 mi².

PERIOD OF RECORD.--March 1939 to September 1959. October 1959 to September 1960, annual maximum only. October 1971 to current year (flood hydrograph only).

GAGE.--Water-stage recorder. Datum of gage is 287.58 ft National Geodetic Datum of 1929. Prior to June 1, 1942, nonrecording gage at site 500 ft upstream at datum 1.00 ft higher. July 1, 1942, to September 30, 1971, nonrecording gage at present site and datum. November 3, 1948, to September 30, 1971, supplemental nonrecording gage on side channel at datum 10.00 ft lower. Since August 12, 1971, supplemental water-stage recorder on side channel at datum 10.00 ft lower.

REMARKS.--Records good. Discharge figures computed by summation of flow in main and side channels and include flow of unnamed tributary entering river from left bank a short distance downstream from the station.

AVERAGE DISCHARGE.--20 years (water years 1940-59), 747 ft³/s, 21.49 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 60,100 ft³/s Mar. 17, 1973; maximum gage height, 17.31 ft Mar. 17, 1973; 1939-59, minimum discharge observed, 32 ft³/s Sept. 15, 16, 1954.

EXTREMES FOR CURRENT YEAR.--Peak discharge above base of 4,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec. 3	1200	*21,700	*15.81	Apr. 23	1600	5,080	14.99
Dec. 12	1700	6,400	15.41	Apr. 30	0500	11,500	15.23
Dec. 29	0600	12,100	15.46	May 4	0600	12,400	15.42
Apr. 4	1000	5,800	15.08	May 9	0500	10,400	15.39

DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME, 1984 WATER YEAR

Date	Time	Discharge	Date	Time	Discharge	Date	Time	Discharge
12-02	2400	875	12-27	2400	1,330	05-04	1600	10,300
						05-04	2000	9,090
12-03	0600	2,740	12-28	0600	2,720	05-04	2400	8,100
12-03	1200	4,300	12-28	1200	3,680			
12-03	1800	5,510	12-28	1800	4,950	05-05	0600	6,880
12-03	2400	8,640	12-28	2400	7,360	05-05	1200	5,940
						05-05	1800	4,960
12-04	0600	19,600	12-29	0600	12,100	05-05	2400	4,190
12-04	1200	21,700	12-29	0700	12,100			
12-04	1800	19,500	12-29	1200	11,400	05-06	2400	2,020
12-04	2400	16,900	12-29	1800	9,530			
			12-29	2400	7,560	05-07	2400	2,090
12-05	0600	13,000						
12-05	1200	9,830	05-02	2400	1,980	05-08	1200	3,500
12-05	1800	7,800				05-08	2400	6,480
12-05	2400	6,540	05-03	0600	3,310			
			05-03	1200	4,470	05-09	0100	8,940
12-06	1200	5,590	05-03	1800	5,670	05-09	0500	10,400
12-06	2400	3,860	05-03	2400	7,760	05-09	1200	9,180
						05-09	2400	6,700
12-07	1200	3,360	05-04	0300	8,640			
12-07	2400	2,860	05-04	0600	8,620	05-10	2400	4,280
			05-04	0800	12,400			
12-08	1200	2,210	05-04	1000	12,200			
12-08	2400	1,780	05-04	1200	11,600			

Flood hydrograph partial-record stations--Continued

MOBILE RIVER BASIN

02449000 TOMBIGBEE RIVER AT GAINESVILLE, AL

LOCATION.--Lat 32°49'30", long 88°09'24", in SE¼ sec. 2, T. 21 N., R. 2 W., Sumter County, Hydrologic Unit 03160106, near right bank on downstream side of bridge on State Highway 39 at Gainesville, 2 mi downstream from Noxubee River, and at mile 234.4.

DRAINAGE AREA.--8,632 mi² (revised).

PERIOD OF RECORD.--October 1938 to September 1955, October 1955 to September 1960 (fragmentary), October 1960 to September 1978. October 1978 to September 1981, October 1982 to current year (flood hydrograph only). Gage-height records collected at same site from 1937 to December 1971 are contained in reports of National Weather Service.

GAGE.--Water-stage recorder. Datum of gage is 63.29 ft National Geodetic Vertical Datum of 1929. Prior to Feb. 2, 1939, nonrecording gage at present site and datum. Water-stage recorder 1.5 mi downstream from base gage used as base for low-water periods during 1963 water year. Since Oct. 15, 1939, auxiliary water-stage recorder 19.2 mi downstream from base gage at datum 10.14 ft lower. Prior to Oct. 15, 1939, auxiliary non-recording gage 700 ft upstream from site of auxiliary water-stage recorder.

REMARKS.-- Records fair.

AVERAGE DISCHARGE.--35 years (water years 1939-55, 1961-78), 12,270 ft³/s, 19.30 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 261,000 ft³/s, Apr. 15, 1979; maximum gage height, 56.28 ft Apr. 15, 1979; minimum daily discharge, 250 ft³/s Sept. 21, 22, 1954.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 147,000 ft³/s Dec. 9; maximum gage height 49.19 ft Dec. 10.

GAGE HEIGHT, IN FEET, AND DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME, 1984 WATER YEAR

Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge
12-03	1200	20.46	28,400	12-08	1800	48.02	141,000	12-13	2400	38.12	55,900
12-03	1800	25.31	46,400	12-08	2400	48.37	142,000				
12-03	2400	28.37	54,300					12-14	0600	36.31	49,000
				12-09	0600	48.68	147,000	12-14	1200	34.85	47,400
12-04	0600	31.18	63,700	12-09	1200	48.91	147,000	12-14	1800	33.47	47,100
12-04	1200	33.60	70,400	12-09	1800	49.05	146,000	12-14	2400	32.04	45,700
12-04	1800	35.48	75,900	12-09	2400	49.15	146,000				
12-04	2400	37.16	82,800					12-15	0600	30.85	44,600
				12-10	0600	49.16	146,000	12-15	1200	30.11	44,500
12-05	0600	38.82	90,000	12-10	1200	49.11	141,000	12-15	1800	29.30	43,100
12-05	1200	40.13	96,000	12-10	1800	49.01	140,000	12-15	2400	28.80	43,100
12-05	1800	41.16	99,900	12-10	2400	48.80	134,000				
12-05	2400	42.15	104,000					12-16	0600	28.44	42,900
				12-11	0600	48.34	124,000	12-16	1200	27.71	41,000
12-06	0600	42.95	105,000	12-11	1200	47.73	114,000	12-16	1800	27.09	39,400
12-06	1200	43.77	109,000	12-11	1800	47.02	106,000	12-16	2400	26.32	37,400
12-06	1800	44.31	112,000	12-11	2400	46.25	98,600				
12-06	2400	44.82	114,000					12-17	0600	25.44	35,000
				12-12	0600	45.52	90,300	12-17	1200	24.51	32,300
12-07	0600	45.39	121,000	12-12	1200	44.83	86,900	12-17	1800	23.80	30,800
12-07	1200	45.90	124,000	12-12	1800	44.23	84,600	12-17	2400	23.12	29,300
12-07	1800	46.37	129,000	12-12	2400	43.47	80,700				
12-07	2400	46.79	132,000					12-18	0600	21.85	25,600
				12-13	0600	42.52	76,500	12-18	1200	21.65	25,400
12-08	0600	47.25	136,000	12-13	1200	41.35	70,800	12-18	1800	20.84	23,200
12-08	1200	47.67	141,000	12-13	1800	39.85	63,500	12-18	2400	20.36	22,000

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

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, and discharge measurements may have been made for purposes of establishing the stage-discharge relation, but these are not published herein. The years given in the period of record represent water years for which the annual maximum has been determined.

Annual maximum discharge at crest-stage partial-record stations during water year 1984

Station No.	Station name	Location	Drainage area (mi ²)	Period of record	Annual maximum		
					Date	Gage height (ft)	Dis- charge (ft ³ /s)
Mobile River basin							
02363000	Pea River nr Arifton	Lat 31°35'41", long 85°46'59", in SW ¹ / ₄ sec. 7, T. 7 N., R. 23 E., Dale County, on left bank at downstream side of abandoned bridge, and about 20 ft upstream from bridge on U.S. Highway 231, 3.5 mi west of Arifton, and at mile 86.9.	498 (revised)	+1939-70, a1971-82, 1983-84	3-08-84	11.27	3,700
02438000	Buttahatchee River below Hamilton	Lat 34°06'22", long 87°56'38", on line between secs. 14 and 15, T. 11 S., R. 14 W., Marion County, near right bank on downstream side of bridge on U.S. Highway 78, 0.5 mi downstream from Woods Creek, 2 mi south of Hamilton, and at mile 82.6.	277 (revised)	+1950-70, a1970-82, 1983-84	12-03-83	24.10	19,900
02465286	Cribbs Mill Creek at Tuscaloosa	Lat 33°11'07", long 87°32'04", in S ¹ / ₄ sec. 25, T. 21 S., R. 10 W., Tuscaloosa County, attached to upstream wingwall of bridge on 2nd Avenue East, 0.5 mi downstream from U.S. Highway 82, and 4.4 mi upstream from mouth.	2.75	1977-84	12-03-84	4.22	329
02470630	Mobile River at Bucks	Lat 30°00'10", long 88°01'40", in NW ¹ / ₄ sec. 31, T. 1 N., R. 1 E., Mobile County, on right bank at Barry Steam Plant, 0.4 mi east of Bucks, and at mile 30.5. (Datum of gage is 1.91 ft below NGVD.)	c44,000	d1951, d1953-84	4----51 2-25-53 2-02-54 4-23-55 3-27-56 4-17-57 3-18-58 2----59 3-22-60 4-25-62 3-26-63 4-22-64 2-25-65 2-28-66 3-02-67 1-04-68 4-27-69 4-02-70 3-13-71 1-21-72 4-08-73 1-10-74 3----75 4-08-76 4-16-77 5-17-78 4-25-79 4-03-80 4-10-81 12-17-83	13.91 8.10 8.18 10.38 9.96 10.48 8.97 7.30 9.10 10.46 7.90 13.77 10.29 11.85 5.82 10.20 9.44 11.33 13.52 12.67 13.81 10.57 12.62 14.95 12.94 10.72 17.72 17.40 10.82 13.03	b350,000 b183,000 b186,000 b255,000 b243,000 b258,000 b211,000 b159,000 b215,000 b258,000 b177,000 b346,000 b253,000 b298,000 b115,000 b250,000 b226,000 b283,000 b340,000 b319,000 b348,000 b261,000 b318,000 b373,000 b326,000 b266,000 b498,000 b466,000 b269,000 329,000
Tennessee River basin							
03576250	Limestone Creek near Athens	Lat 34°45'06", long 86°49'24", in SW ¹ / ₄ sec. 26, T. 3 S., R. 3 W., Limestone County, Hydrologic unit 0603003, on downstream side of U.S. Highway 72 between Athens and Huntsville, and at mile 17.0.	119	+1939-70, a1971-82, 1984	5-03-84	10.93	8,150

† - operated as a continuous-record gaging station

a - operated as a flood-hydrograph station

b - revised

c - approximately

d - gage heights are gage datum

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

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DISCHARGE MEASUREMENTS MADE AT MISCELLANEOUS SITES DURING WATER YEAR 1984

Stream	Tributary to	Location	Drainage area (mi ²)	Measured previously (water years)	Measurements	
					Date	Discharge (ft ³ /s)
Mobile River basin						
Conecuh River	Escambia River	Lat 32°07'08", long 85°42'54", in SW¼NE¼ sec. 11, T. 13 N., R. 23 E., Bullock County, 0.5 mi southwest of Union Springs	.....	.....	11-07-83	1.1
					11-09-83	1.4
					6-07-84	1.1
					6-12-84	.92
					6-14-84	1.1
Conecuh River	Escambia River	Lat 32°06'52", long 85°42'59", in NW¼NE¼ sec. 14, T. 13 N., R. 23 E., Bullock County, 0.8 mi southwest of Union Springs.	.....	.....	6-12-84	1.0
Indian Creek	Conecuh River	Lat 31°49'51", long 86°07'24", in NW¼NW¼ sec. 23, T. 10 N., R. 19 E., Pike County, 1.2 mi upstream from bridge on US Highway 29 and 7.2 mi west of Troy.	.....	.....	8-09-84	.63
					8-13-84	2.7
					8-15-84	.49
Indian Creek	Conecuh River	Lat 31°49'44", long 86°07'21", in SW¼NE¼ sec. 23, T. 10 N., R. 19 E., Pike County, at bridge on dirt road 0.5 mi east of Ansley, 2.8 mi north- east of Rural Home, and 7 mi west of Troy.	.....	.....	8-14-84	1.3
					8-15-84	1.4
					8-16-84	.75
					8-16-84	1.1
					8-28-84	1.8
					8-29-84	1.4
					8-30-84	1.1
					8-30-84	1.1
					8-31-84	.66
Indian Creek	Conecuh River	Lat 31°49'19", long 86°07'18", in SW¼SE¼ sec. 23, T. 10 N., R. 19 E., Pike County, 0.6 mi upstream from bridge on US Highway 29, 1.6 mi northeast of Rural Home, 1.7 mi southeast of Wingard, and 7 mi west of Troy.	.....	.....	8-15-84	1.7
					8-16-84	1.8
					8-28-84	2.9
					8-29-84	1.6
					8-30-84	1.0
					8-30-84	1.1
					8-31-84	1.1
					8-31-84	.93
Indian Creek	Conecuh River	Lat 31°48'56", long 86°07'19", in NW¼SE¼NW¼ sec. 26, T. 10 N., R. 19 E., Pike County, 0.2 mi upstream from bridge on US Highway 29, 1.4 mi east of Rural Home, and 1.9 mi southeast of Wingard.	.....	.....	8-09-84	1.5
					8-14-84	3.6
					8-14-84	6.7
					8-15-84	2.1
					8-16-84	1.1
					8-28-84	3.2
					8-30-84	1.2
					8-31-84	.90
Bay Branch	Five Runs Creek	Lat 31°16'23", long 86°29'13", in NE¼SW¼ sec. 31, T. 4 N., R. 16 E., Covington County, 50 ft downstream from sewage disposal outfall, and 2 mi south of Andalusia.	.....	.....	11-21-83	4.0
					11-29-83	7.3
					11-30-83	4.7
					6-21-84	8.7
					6-25-84	3.0
					6-26-84	2.9
Bay Branch	Five Runs Creek	Lat 31°15'54", long 86°29'27", in SW¼SE¼ sec. 31, T. 4 N., R. 16 E., Covington County, 0.1 mi west of US Highway 29 and 0.5 mi below sewage disposal outfall.	.....	.....	11-29-83	6.7
					11-30-83	5.9
					6-25-84	4.0
					6-26-84	3.2
Bay Branch	Five Runs Creek	Lat 31°15'20", long 86°29'48", in SW¼NW¼ sec. 6, T. 3 N., R. 16 E., Covington County, 1.2 mi below sewage disposal outfall and 3.3 mi south of Andalusia.	.....	.....	6-20-84	3.6
					6-21-84	5.2
					6-26-84	2.9
Little Sandy Creek	Catoma Creek	Lat 32°09'19", long 86°07'11", in N¼NE¼ sec. 35, T. 14 N., R. 19 E., Montgomery County, 0.5 mi west of Teasleys Mill, and 3.8 mi east of Davis Crossroads.	.....	.....	8-17-84	7.2

See footnotes at end of table.

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

DISCHARGE MEASUREMENTS MADE AT MISCELLANEOUS SITES DURING WATER YEAR 1984--Continued

Stream	Tributary to	Location	Drainage area (mi ²)	Measured previously (water years)	Measurements	
					Date	Discharge (ft ³ /s)
Mobile River basin--Continued						
02403475 Chocco- locco Creek	Coosa River	Lat 33°34'56", long 85°54'21", in NE¼ sec. 4, T. 17 S., R. 7 E., Talladega County, at bridge on dirt road, 6.5 mi from Coldwater and Munford exit on State Highway 21.	251	1948	11-17-83 2-16-84 3-14-84 5-17-84 6-28-84 7-26-84	a152 483 364 343 a137 a137
02406947 Tallasee- hatchee Creek	Coosa River	Lat 33°16'13", long 86°16'30", in SW¼SW¼ sec. 19, T. 20 S., R. 4 E., Talladega County, at bridge on county highway about 4 mi east of Childersburg.	124	1980	11-17-83 2-16-84 3-14-84 5-16-84 6-29-84	a28 204 161 108 a34
02416035 Sugar Creek	Elkahatchee Creek	Lat 32°54'41", long 85°57'13", in W¼NW¼ sec. 10, T. 22 N., R. 21 E., Tallapoosa County, at bridge on Alabama Highway 63 at southern city limits of Alexander City, 0.75 mi from intersection of US 280 and State Highway 63.	1.93	1949, 1980	11-14-83 2-17-84 3-15-84 5-16-84 6-28-84	8.2 9.5 7.1 10 9.8
02418179 Souga- hatchee Creek	Uphapee Creek	Lat 32°39'37", long 85°27'06", in SE¼SW¼ sec. 4, T. 19 N., R. 26 E., Lee County, at bridge on County Highway 35 about 3 mi northwest of Opelika.	32.5	1978, 1980	11-01-83 2-17-84 3-15-84 5-16-84 6-28-84	a8.5 55 40 16 a9.2
02423515 Patton Creek	Cahaba River	Lat 33°23'20", long 86°49'38", in NW¼ sec. 14, T. 19 S., R. 3 W., Jefferson County, at bridge on Pattons Chapel Road, 0.8 mi upstream from Paradise Lake and 1 mi southeast of Bluff Park.	10.5	1956-57, 1964, 1975, 1980	11-21-83 3-29-84 6-06-84 9-20-84	30 25 a1.6 a.16
02423550 Buck Creek	Cahaba River	Lat 33°17'30", long 86°50' 36", in SE¼NW¼ sec. 15, T. 20 S., R. 3 W., Shelby County, on State Highway 261 at Helena, 350 ft north of Louisville and Nashville Railroad.	69.9	.....	11-21-83 6-04-84 9-20-84	a39 a48 a25
02423555 Cahaba River	Alabama River	Lat 33°17'04", long 86°52'58", on line between sec. 19 and 20, T. 20 S., R. 3 W., Shelby County, on right bank at downstream side of bridge on Shelby County Highway 52, 1 mi above mouth of Trigger Creek, and 3 mi west of Helena.	.....	+1965-77	11-21-83	304
02423601 Shades Creek	Cahaba River	Lat 33°21'21", long 86°53'24", in SW¼NE¼ sec. 30, T. 19 S., R. 3 W., Jefferson County, at bridge on county road, 0.8 mi southwest of Parkwood.	.....	b1953, b1955-56, b1968-71	3-29-84 6-04-84 9-20-84	182 a29 a14
Mulberry Fork	Black Warrior River	Lat 34°15'07", long 86°30'10", in SW¼ SE¼ sec. 14, T. 9 S., R. 1 E., Cullman-Blount County line, at Bradley Road, 5.0 mi southeast of Joppa.	7.45	1983	10-13-83	a.13
Tibb Creek	Mulberry Fork	Lat 34°17'15", long 86°31'17", in SE¼ NE¼NW¼ sec. 3, T. 9 S., R. 1 E., Cullman County, on county road, 1.2 mi southwest of Union Hill, and 2.3 mi southeast of Joppa.	....	1983.	10-13-83	a.10
Riley Maze	Tibb Creek	Lat 34°17'46", long 86°29'36", in NW¼ SW¼ sec. 36, T. 8 S., R. 1 E., Cullman County, upstream from Riley Maze Sewage Treatment Plant near Arab.	....	1983	10-13-83	.01

See footnotes at end of table.

DISCHARGE MEASUREMENTS MADE AT MISCELLANEOUS SITES DURING WATER YEAR 1984--Continued

Stream	Tributary to	Location	Drainage area (mi ²)	Measured previously (water years)	Measurements	
					Date	Discharge (ft ³ /s)
Mobile River basin--Continued						
Riley Maze	Tibb Creek	Lat 34°17'42", long 86°29'39", in NW¼SW¼ sec. 36, T. 8 S., R. 1 E., Cullman County, downstream from Riley Maze sewage treatment plant near Arab.	.....	.....	10-13-83	1.2
Riley Maze	Tibb Creek	Lat 34°17'04", long 86°31'03", in SW¼ NE¼ sec. 3, T. 9 S., R. 1 E., Cullman County, at bridge on New Harmony Cutoff, 1.3 mi southwest of Union Hill, and 2.5 mi southwest of Arab.	5.16	1983	10-13-83	1.5
Tibb Creek	Mulberry Fork	Lat 34°16'37", long 86°31'07", in SW¼ SE¼ sec. 3, T. 9 S., R. 1 E., Cullman County, at Red Hill Road Crossing, 3.0 mi southeast of Joppa.	....	1983	10-13-83	.97
Tibb Creek	Mulberry Fork	Lat 34°15'43", long 86°30'50", in SE¼ SE¼ sec. 10, T. 9 S., R. 1 E., Cullman County, 1.0 mi south of Red Hill Road, and 3.8 mi south- east of Joppa.	9.12	1983	10-13-83	1.3
02445327 Boxes Creek	Sipsey River	Lat 33°50'39", long 87°35'26", in SW¼ NW¼ sec. 9, T. 14 S., R. 10 W., Fayette County, at Bridge on County Highway 63, 1.5 mi southwest of Howard.	1.52	1980-83	3-05-84	38
Broglen River	Mulberry Fork	Lat 34°05'01", long 86°44'25", in NW¼ sec. 15, T. 11 S., R. 2 W., Cullman County, at State Highway 91, 2.0 mi northeast of Hanceville.	108	1967-68, 1972, 1978	11-01-83	a 5.2
02453500 Mulberry Fork	Black Warrior River	Lat 33°45'27", long 87°10'13", in NW¼ sec. 9, T. 15 S., R. 6 W., Walker County at St. Louis and San Francisco Railroad, 0.1 mi downstream from Cane Creek, 0.1 mi east of Cordova, and at mile 30.8.	1916		5-03-84 18000 5-03-84 20300 5-03-84 23000 5-04-84 23600 5-04-84 26200 5-05-84 20900 5-05-84 20700 5-05-84 13300	
Slab Creek	Locust Fork	Lat 34°12'43", long 86°10'57", in NW¼ SW¼NW¼ sec. 36, T. 9 S., R. 4 E., Marshall County, at county road crossing, 1.3 mi northwest of Boaz.	.....	1983	10-11-83	a.28
Unnamed Tributary	Slab Creek	Lat 34°12'18", long 86°11'19", in SE¼SW¼ sec. 35, T. 9 S., R. 4 E., Marshall County, upstream from Boaz Sewage Treatment Plant, 1.4 mi east of Jackson Trail, and 1.8 mi west of Boaz.	.....	1983	10-11-83	a.17
Unnamed Tributary	Slab Creek	Lat 34°12'19", long 86°11'14", in NW¼SE¼ sec. 35, T. 9 S., R. 4 E., Marshall County, downstream from Boaz Sewage Treatment Plant, 1.4 mi east of Jackson Trail, and 1.8 mi west of Boaz.	.....	1983	10-11-83	2.7
Slab Creek	Locust Fork	Lat 34°12'35", long 86°12'04", in SE¼NE¼ sec. 34, T. 9 S., R. 4 E., Marshall County, 0.8 mi south of Mount Vernon Church, and 3.2 mi northwest of Boaz.	.....	1983	10-11-83	6.6
Slab Creek	Locust Fork	Lat 34°12'49", long 86°14'02", in NW¼NW¼ sec. 33, T. 9 S., R. 4 E., Marshall County, at Whitesville Road Crossing, 1.6 mi north of Needmore, and 4.0 mi west of Boaz.	14.2	1983	10-11-83	1.7
Slab Creek	Locust Fork	Lat 34°12'37", long 86°15'52", in SE¼NW¼ sec. 31, T. 9 S., R. 4 E., Marshall County, 2.4 mi northeast of Horton, and 2.5 mi south of High Point.	22.4	1983	10-11-83	.76

See footnotes at end of table.

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

DISCHARGE MEASUREMENTS MADE AT MISCELLANEOUS SITES DURING WATER YEAR 1984--Continued

Stream	Tributary to	Location	Drainage area (mi ²)	Measured previously (water years)	Measurements	
					Date	Discharge (ft ³ /s)
Mobile River basin--Continued						
Fivemile Creek	Locust Fork	Lat 33°36'22", long 86°51'16", in N½ sec. 33, T. 16 S., R. 3 W., Jefferson County, on Coalburg Road, 1 mi north of Coalburg and 3.5 mi west of Fultondale.	50.6	1943-44, 1946, 1952-53	11-01-83 12-04-83 8-16-84	a18 503 a29
Fivemile Creek	Locusts Fork	Lat 33°36'52", long 86°53'08", in SE½ sec. 30, T. 16 S., R. 3 W., Jefferson County, at county road, 0.5 mi north of Republic, and 0.9 mi south of Mineral Springs.	58.3	1973	8-16-84	a39
02454140 Wolf Creek	Lost Creek	Lat 33°40'30", long 87°32'31", in SE½ SE½SW¼ sec. 13, T. 14 S., R. 10 W., Fayette County, at bridge on county road, 2.6 mi southeast of Howard, 2.8 mi northeast of Studdards Crossroads, and 4.5 mi south of Carbon Hill.	2.22	1980-83	10-20-83	a.10
02460050 Village Creek	Locust Fork	Lat 33°33'58", long 87°00'08", in NW¼ NW¼ sec. 18, T. 17 S., R. 4 W., Jefferson County, on Shady Grove Road, 1.6 mi north of Booker Heights, and 2.0 mi north of Mulga.	77.9	1973	11-01-83 8-16-84	a53 a62
Valley Creek	Black Warrior River	Lat 33°23'50", long 87°03'33", in SE½ NE¼ sec. 16, T. 19 S., R. 5 W., Jefferson County, at bridge on county highway 36.	93.0	1973, 1980	8-16-84	a87
02462480 Big Yellow Creek	Black Warrior River	Lat 33°34'18", long 87°24'10", NE¼NW¼ sec. 17, T. 17 S., R. 8 W., Tuscaloosa County, at State Highway 69, 0.4 mi northeast of Whitson, and 8.0 mi north of Windham Springs.	14.4	1967, 1973-74, 1979, 1981-83	10-17-83 11-16-83 12-14-83 1-13-84 2-15-84 3-14-84 4-25-84 5-17-84 6-14-84 7-16-84 8-14-84 9-14-84	a1.0 5.6 45 33 42 16 23 a6.3 a.82 42 a.36 a0
02462487 Little Yellow Creek	Big Yellow Creek	Lat 33°35'31", long 87°28'16", SE½SW¼ sec. 3, T. 17 S., R. 9 W., Tuscaloosa County, 200 ft above mouth of Rob Hollow Branch, and 14.5 mi northeast of Samantha.	.....	1982-83	10-18-83 11-18-83 12-16-83 1-17-84 2-17-84 3-16-84 4-25-84 5-17-84 6-14-84 7-16-84 8-14-84 9-14-84	a.95 a1.8 14 10 15 a7.6 12 a5.6 a1.5 a1.9 a.84 a.21
02462490 Little Yellow Creek	Big Yellow Creek	Lat 33°34'01", long 87°24'37", SW¼ NW¼ sec. 18, T. 17 S., R. 8 W., Tuscaloosa County, at State Highway 69, 0.2 mi southwest of Whitson, and 0.2 mi upstream from mouth.	15.0	1968, 1973-74, 1977, 1979-83	10-17-83 11-16-83 12-14-83 1-13-84 2-15-84 3-14-84 4-25-84 5-17-84 6-14-84 7-16-84 8-14-84 9-14-84	a1.9 a4.9 53 37 49 19 27 a8.1 a1.9 26 a1.0 a.17

See footnotes at end of table.

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

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DISCHARGE MEASUREMENTS MADE AT MISCELLANEOUS SITES DURING WATER YEAR 1984--Continued

Stream	Tributary to	Location	Drainage area (mi ²)	Measured previously (water years)	Measurements	
					Date	Discharge (ft ³ /s)
Mobile River basin--Continued						
02462590 Blue Creek	Black Warrior River	Lat 33°31'50", long 87°29'03", in NE¼ sec. 33, T. 17 S., R. 9 W., Tuscaloosa County, 0.7 mi upstream from State Highway 69, 1.3 mi southeast of Wiley, and 2.7 mi upstream from McDuff Spring Branch.	....	1982-83	10-19-83	a.06
					11-17-83	a.27
					12-15-83	11
					1-16-84	5.9
					2-15-84	12
					3-15-84	3.7
					4-26-84	4.7
					5-16-84	1.8
					6-19-84	a.01
					7-17-84	3.4
					8-15-84	a.02
					9-17-84	0
02462592 Unnamed Tributary	Blue Creek	Lat 33°31'41", long 87°29'07", in NW¼ sec. 33, T. 17 S., R. 9 W., Tuscaloosa County, 0.7 mi upstream from State Highway 69, 1.4 mi southwest of Wiley, 2.7 mi upstream from McDuff Spring Branch, and 14 mi southwest of Oakman.	0.47	1983	10-19-83	a.08
					11-17-83	a.08
					12-15-83	1.4
					1-16-84	.59
					2-15-84	1.3
					3-15-84	.38
					4-26-84	.33
					5-16-84	.25
					6-19-84	a.14
					7-17-84	.55
					8-15-84	a.04
					9-17-84	a.02
02462625 Blue Creek	Black Warrior River	Lat 33°29'02", long 87°28'18", in NW¼ NW¼ sec. 15, T. 18 S., R. 9 W., Tuscaloosa County, 0.25 mi downstream from bridge on county road, 1.6 mi east-southeast of Windham Springs.	13.2	1973-74, 1977, 1979-83	10-13-83	16
02463585 Cane Creek	North River	Lat 33°42'00", long 87°35'19", in NW¼SE¼ sec. 33, T. 15 S., R. 10 W., Fayette County, at county road, 3 mi north of Berry.	5.91	1978-83	10-20-83	a.29
					11-16-83	a.88
					12-14-83	26
					1-13-84	16
					2-15-84	16
					3-14-84	a7.4
					4-26-84	a7.9
					5-17-84	a3.2
					6-14-84	a.53
					7-16-84	a.45
					8-14-84	a.26
					9-14-84	0
02463850 Tyro Creek	North River	Lat 33°33'58", long 87°34'34", in SW¼ sec. 15, T. 17 S., R. 10 W., Tuscaloosa County, at county road, 2.4 mi upstream from mouth, and 4.5 mi east of New Lexington.	21.5	1968, 1977, 1979-83	10-12-83	a1.7
					11-15-83	33
					12-12-83	153
					1-12-84	68
					2-13-84	112
					3-13-84	29
					4-24-84	47
					5-15-84	16
					6-13-84	a2.2
					7-13-84	28
					8-13-84	a.76
					9-12-84	0
02463880 Unnamed Tributary	Bear Creek	Lat 33°33'48", long 87°32'12", in SW¼ sec. 13, T. 17 S., R. 10 W., Tuscaloosa County, at bridge 0.65 mi north- northwest of Liberty Hill Church, and 2.1 mi east-northeast of Sterling.	.....	1977, 1979, 1981-83	10-12-83	a.05
02464025 Cripple Creek	North River	Lat 33°29'24", long 87°33'46", in SE¼ SE¼ sec. 10, T. 18 S. R. 10 W., Tuscaloosa County, about 70 ft down- stream from bridge on State Highway 38, 2.5 mi upstream from mouth, and 4.0 mi west of Windham Springs.	12.2	1977, 1979-80, 1982-83	10-12-84	a1.4

See footnotes at end of table.

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

DISCHARGE MEASUREMENTS MADE AT MISCELLANEOUS SITES DURING WATER YEAR 1984--Continued

Stream	Tributary to	Location	Drainage area (mi ²)	Measured previously (water years)	Measurements	
					Date	Discharge (ft ³ /s)
Mobile River basin--Continued						
02464032 Little Creek	Cripple Creek	Lat 33°28'28", long 87°33'34", in NE¼ NW¼NW¼ sec. 23, T. 18 S., R. 10 W., Tuscaloosa County, at ford on dirt road, approximately 2.0 mi from County Highway 38, 2.7 mi east of Samantha Post Office, and 4.0 mi west of Windham Springs.	2.47	1982-83	10-13-83 11-15-83 12-13-83 1-12-84 2-13-84 3-13-84 4-24-84 5-15-84 6-13-84 7-13-84 8-13-84 9-12-84	4.4 a1.1 19 8.3 13 a4.5 a4.6 a3.9 a.86 a3.2 a1.0 a.28
02464035 Cripple Creek	North River	Lat 33°28'25", long 87°34'06", in SE¼ NW¼NE¼ sec. 22, T. 18 S., R. 10 W., Tuscaloosa County, 0.8 mi upstream from mouth and 2.1 mi east of Samantha Post Office.	16.4	1978-80, 1982-83	10-12-83 11-15-83 12-13-83 1-12-84 2-13-84 3-13-84 4-06-84 5-01-84 6-07-84 7-09-84 8-01-84 9-11-84	a4.0 a3.9 98 48 100 28 46 62 a2.9 a1.6 a4.1 a.66
02464100 Dry Creek	Lake Tuscaloosa (North River)	Lat 33°26'19", long 87°33'03", in E¼ sec. 35, T. 18 S., R. 10 E., Tuscaloosa County, at logging road, 0.2 mi upstream from pipeline crossing, and 4.0 mi southeast of Samantha.	.....	1982-83	10-13-83 11-15-83 12-13-83 1-12-84 2-13-84 3-13-84 4-06-84 5-02-84 6-05-84 7-05-84 8-06-84 9-06-84	11 a2.2 32 24 44 12 21 25 a1.1 a.15 a1.6 a.01
02464149 Turkey Creek	Lake Tuscaloosa (North River)	Lat 33°24'23", long 87°32'18", in SW¼ sec. 12, T. 19 S., R. 10 W., Tuscaloosa County, 0.9 mi downstream from Long Creek, 1.0 mi northwest of Patterson Chapel, and 2.7 mi upstream from mouth.	.....	1982-83	10-14-83 11-03-83 12-02-83 1-05-84 2-02-84 3-02-84 4-03-84 5-02-84 6-06-84 7-03-84 8-02-84 9-05-84	a8.1 a3.6 13 19 14 20 94 32 5.7 a4.0 9.5 a2.0
02464317 Barbee Creek	Binion Creek	Lat 33°30'27", long 87°38'48", on line between secs. 1 and 12, T. 18 S., R. 11 W., Tuscaloosa County, at bridge on county road, 4.0 mi south of New Lexington.	5.19	1977, 1979, 1980, 1983	11-01-83 1-06-84 4-04-84 7-09-84	a2.2 a6.4 15 a2.1
02464360 Binion Creek	Lake Tuscaloosa (North River)	Lat 33°25'24", long 87°38'33", in SW¼ sec. 1, T. 19 S., R. 11 W., Tuscaloosa County, at county road 30 ft downstream from Gin Creek, and 4.6 mi southwest of Samantha Post Office.	57.0	1982-83	10-03-83 11-03-83 12-07-83 1-06-84 2-06-84 3-05-84 4-04-84 5-03-84 6-06-84 7-05-84 8-07-84 9-06-84	a28 a37 308 104 70 443 288 663 a39 a27 a44 a19

See footnotes at end of table.

DISCHARGE MEASUREMENTS MADE AT MISCELLANEOUS SITES DURING WATER YEAR 1984--Continued

Stream	Tributary to	Location	Drainage area (mi ²)	Measured previously (water years)	Measurements	
					Date	Discharge (ft ³ /s)
Mobile River basin--Continued						
02464505 Tierce Creek	Lake Tuscaloosa (North River)	Lat 33°22'28", long 87°32'34", in SW¼ sec. 24, T. 19 S., R. 10 W., Tuscaloosa County, at ford on gravel road, 0.2 mi east of State Highway 69, and 10 mi northeast of Northport.	2.17	1983	10-03-83	a1.6
					11-02-83	a2.2
					12-02-83	a3.6
					1-05-84	a4.4
					2-02-84	a3.9
					3-02-84	a4.5
					4-03-84	9.4
					5-02-84	6.0
					6-05-84	a2.3
					7-03-84	a1.8
					8-06-84	a3.1
					9-05-84	a1.5
02464660 Carroll Creek	Lake Tuscaloosa (North River)	Lat 33°17'41", long 87°34'01", in NE¼ sec. 22, T. 20 S., R. 10 W., Tuscaloosa County, at bridge on State Highway 69, 4.5 mi north of Northport.	20.9	1983	10-04-83	a4.5
					11-02-83	a6.8
					12-01-83	25
					1-04-84	31
					2-01-84	a21
					3-01-84	30
					4-02-84	a22
					5-01-84	49
					6-05-84	a6.5
					7-02-84	a7.3
					8-01-84	27
					9-04-84	a3.5
02464680 Brush Creek	Lake Tuscaloosa (North River)	Lat 33°19'20", long 87°30'00", in NW¼ sec. 8, T. 20 S., R. 9 W., Tuscaloosa County, at bridge on Turner Road, 8.0 mi northeast of Northport.	0.92	1983	10-04-83	a1.7
02465910 Colwell Creek	Big Brush Creek	Lat 32°43'39", long 87°36'32", in NW¼ NW¼ sec. 8, T. 20 N., R. 5 E., Hale County, 0.7 mi downstream of county road, and 1.5 mi northwest of Greensboro.	.....	1983	10-27-83	1.8
					7-19-84	1.8
					7-19-84	1.7
02465920 Colwell Creek	Big Brush Creek	Lat 32°46'19", long 87°39'24", in NW¼ NW¼ sec. 26, T. 21 N., R. 4 E., Hale County, at county road bridge 1.2 mi upstream from mouth, and 6.5 mi north- west of Greensboro.	.....	1983	10-26-83	1.6
					7-19-84	1.7
					7-19-84	1.6
					7-19-84	1.4
Tennessee River basin						
Town Creek	Tennessee River	Lat 34°23'27", long 86°01'06", in SW¼ SW¼ sec. 28, T. 7 S., R. 6 E., DeKalb County, at bridge on State Highway 227, 2.1 mi northeast of Geraldine.	.....	1960, 1983	10-12-83	a.06
Town Creek	Tennessee River	Lat 34°23'59", long 86°04'46", in N¼ sec. 25, T. 7 S., R. 5 E., DeKalb County, at High Falls near Geraldine.	157	1983	10-12-83	a.11
Turkey Creek	Short Creek	Lat 34°15'59", long 86°11'26", in SE¼NE¼ sec. 9, T. 9 S., R. 4 E., Marshall County, above Albertville Sewage Treatment Plant near Albertville.	.....	1983	10-11-83	0
Turkey Creek	Short Creek	Lat 34°17'15", long 86°10'42", on line of sec. 35 and 36, T. 8 S., R. 4 E., Marshall County, at State Hwy 75 near Albertville.	.....	1983	10-11-83	a6.2
Turkey Creek	Short Creek	Lat 34°18'01", long 86°10'43", in NW¼ sec. 36, T. 8 S., R. 4 E., Marshall County, at mouth, 1.1 mi south of Hustleville and 2.2 mi north of Albertville.	.....	1983	10-11-83	a6.5

See footnotes at end of table.

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

DISCHARGE MEASUREMENTS MADE AT MISCELLANEOUS SITES DURING WATER YEAR 1984--Continued

Stream	Tributary to	Location	Drainage area (mi ²)	Measured previously (water years)	Measurements	
					Date	Discharge (ft ³ /s)
Tennessee River basin--Continued						
03573000 Short Creek	Tennessee River	Lat 34°18'03", long 86°10'48", in NE¼ sec. 35, T. 8 S., R. 4 E., Marshall County, at bridge crossing, 1.1 mi south of Hustleville and 2.2 mi north of Albertville.	91.6	+1943, +1946-53, 1954-69, 1973-74, 1983	10-11-83	a8.4
Drum Creek	Short Creek	Lat 34°16'28", long 86°14'38", in SW¼ sec. 5, T. 9 S., R. 4 E., Marshall County, 2.3 mi west of Albertville.	.....	1983	10-11-83	0
East Fork	Drum Creek	Lat 34°15'55", long 86°13'25", in SE¼NW¼ sec. 9, T. 9 S., R. 4 E., Marshall County, at half section-line road in Albertville and 0.25 mi upstream from treatment plant at Albertville.	.....	1983	10-12-83	a.06
Drum Creek	Short Creek	Lat 34°16'33", long 86°14'39", in SW¼ sec. 5, T. 9 S., R. 4 E., Marshall County, below confluence of East Fork, 2.2 mi northwest of Albertville.	.....	1983	10-12-83	a.58
Drum Creek	Short Creek	Lat 34°17'01", long 86°14'43", in NW¼ sec. 5, T. 9 S., R. 4 E., Marshall County, on county road 2.6 mi north- west of Albertville.	.....	1983	10-12-83	a.82
Drum Creek	Short Creek	Lat 34°17'53", long 86°13'42", in NW¼ sec. 33, T. 8 S., R. 4 E., Marshall County, at Rose Road 2.3 mi north of Albertville.	.....	1983	10-12-83	a1.4
Drum Creek	Short Creek	Lat 34°18'40", long 86°12'42", in SW¼ sec. 27, T. 8 S., R. 4 E., Marshall County, at Rice Mill Bridge, 2.5 mi north of Albertville.	.....	1983	10-12-83	a1.6
Berry Branch	Drum Creek	Lat 34°18'58", long 86°12'44", in NW¼NW¼ sec. 27, T. 8 S., R. 4 E., Marshall County, at Rice Mill Road 3.5 mi north of Albertville.	.....	1983	10-12-83	0
Short Creek	Tennessee River	Lat 34°19'13", long 86°12'17", in NW¼SE¼ sec. 22, T. 8 S., R. 4 E., Marshall County, at county road crossing, 1.5 mi northeast of Rice Mill Bridge, and 4.8 mi north of Albertville.	.....	1983	10-12-83	a6.8
Scarham Creek	Short Creek	Lat 34°19'35", long 86°09'42", in NE¼ sec. 24, T. 8 S., R. 4 E., Marshall County, on county road at Double Bridges, 1.0 mi north of Hustleville, and 4.3 mi north of Albertville.	58.7	1973-74, 1983	10-12-83	a.12
Whippor- will Creek	Short Creek	Lat 34°19'33", long 86°08'56", in NW¼ sec. 19, T. 8 S., R. 5 E., Marshall County, on county road, 0.5 mi east of Double Bridges, and 1.5 mi north of Hustleville.	.....	1983	10-12-83	0
Shoal Creek	Scarham Creek	Lat 34°19'38", long 86°09'44", in NW¼NW¼ sec. 19, T. 8 S., R. 5 E., Marshall County, at bridge on county road 89 at Double Bridges, and 4.3 mi north of Albertville.	.....	1973-74, 1983	10-12-83	0
Shoal Creek	Scarham Creek	Lat 34°20'38", long 86°27'13", in NW¼ sec. 17, T. 8 S., R. 2 E., Marshall County, at road crossing on Ala. Hwy 69, 2.5 mi north of Arab.	.....	1983	10-12-83	0

See footnotes at end of table.

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

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DISCHARGE MEASUREMENTS MADE AT MISCELLANEOUS SITES DURING WATER YEAR 1984--Continued

Stream	Tributary to	Location	Drainage area (mi ²)	Measured previously (water years)	Measurements	
					Date	Discharge (ft ³ /s)
Tennessee River basin--Continued						
Shoal Creek	Tennessee River	Lat 34°20'46", long 86°27'17", in NW¼ sec. 17, T. 8 S., R. 7 E., Marshall County, upstream from road crossing of Ala. Hwy 69, 2.5 mi north of Arab.	.....	1983	10-12-83	a.03
Shoal Creek	Tennessee River	Lat 34°21'42", long 86°26'53", in SW¼SE¼ sec. 5, T. 8 S., R. 2 E., Marshall County, at county road north of Grassy, and 1.3 mi west of Scant City.	.....	1983	10-12-83	0
Brock Branch	Shoal Creek	Lat 34°21'56", long 86°27'03", in NE¼SW¼ sec. 5, T. 8 S., R. 2 E., Marshall County, at county road 1.3 mi north of Grassy, and 1.8 mi west of Scant City.	.....	1983	10-12-83	0
Shoal Creek	Tennessee River	Lat 34°22'23", long 86°26'44", in NE¼ sec. 5, T. 8 S., R. 2 E., Marshall County, near county road, 1.5 mi north of Grassy, and 3.8 mi north of Arab.	.....	1983	10-12-83	0
Wolf Creek	Shoal Creek	Lat 34°22'57", long 86°26'17", in W¼ sec. 33, T. 7 S., R. 2 E., Marshall County, on county road, 1.7 mi south- east of Union Grove.	.....	1983	10-12-83	0
Shoal Creek	Tennessee River	Lat 34°23'21", long 86°25'30" in NE¼ sec. 33, T. 7 S., R. 2 E., Marshall County, on county road 66 at Neighbors Mill near Union Grove.	.....	1983	10-21-83	0
Gilliam Creek	Mill Pond Creek	Lat 34°19'54", long 86°31'13", in NW¼NE¼ sec. 22, T. 8 S., R. 1 E., Marshall County, above sewage treatment plant near Arab.	.....	1983	10-13-83	1.2
Wolf Creek	Gilliam Creek	Lat 34°19'51", long 86°31'47", in NW¼NW¼ sec. 22, T. 8 S., R. 1 E., Marshall County, on county road, at mouth, and 1.6 mi northeast of Arab.	.....	1983	10-13-83	1.3
Gilliam Creek	Mill Pond Creek	Lat 34°19'52", long 86°31'49", in NE¼NE¼ sec. 21, T. 8 E., R. 1 E., Marshall County, on Swinging Bridge Road near Arab.	.....	1983	10-13-83	a4.0
Mud Creek	Cedar Creek	Lat 34°28'10", long 87°43'45", in NE¼ sec. 7, T. 7 S., R. 11 W., Franklin County, above sewage treatment plant and 1,000 ft downstream from confluence of Harris and Pain Creeks, 2.0 mi upstream from U.S. Highway 43, and 2.4 mi southeast of Russellville.	.....	.....	9-27-84	a.10
Town Branch	Mud Creek	Lat 34°28'11", long 87°43'56", in SW¼ SE¼ sec. 6, T. 7 S., R. 11 W., Franklin County, at mouth, 0.5 mi south of county road, and 2.5 mi southeast of Russellville.	.....	.....	9-27-84	a.27
Mud Creek	Cedar Creek	Lat 34°27'55", long 87°45'05", in NW¼ SE¼NW¼ sec. 12, T. 7 S., R. 12 W., Franklin County, at mouth at U.S. Highway 43, 0.8 mi north of Isbell, and 3.1 mi south of Russellville.	.....	.....	9-27-84	a1.3
Cedar Creek	Bear Creek	Lat 34°27'54", long 87°45'12", in NW¼ sec. 12, T. 7 S., R. 12 W., Franklin County, at bridge on U.S. Highway 43, 0.8 mi north of Isbell, and 3.1 mi south of Russellville.	.....	.....	9-27-84	a1.3

* Operated as a continuous-record station

† Operated as a crest stage station

a Base flow

MOBILE RIVER BASIN

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

02445327 BOXES CREEK AT COUNTY HIGHWAY 63 NEAR HOWARD, AL

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	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)	ACIDITY (MG/L AS CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	
OCT 20...	1000	0.31	690	6.9	18.0	5.5	340	270	0.2	9.9	57	48	
DEC 14...	0830	5.9	370	7.4	10.0	10.2	170	100	--	--	32	23	
DATE	TIME	SODIUM, DIS- SOLVED (MG/L AS NA)	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LINEITY FIELD (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)	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)
OCT 20...	13	--	--	0.3	--	67	16	290	3.6	4.4	486	--	0.66
DEC 14...	5.3	6	6	.2	2.1	66	5.1	120	2.1	6.9	239	230	.33
DATE	TIME	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, SUS- PENDE 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- PENDE RECOV. (UG/L AS MN)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)					
OCT 20...		<.100	280	260	20	410	30	380					
DEC 14...		<.100	790	730	58	400	30	370					

MOBILE RIVER BASIN

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ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

02454140 WOLF CREEK NEAR HOWARD, AL

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	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)
OCT 20...	1200	0.10	54	6.1	21.0	8.5	18	10	0.1	5.0	2.8	2.7
DATE	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM AD- SORP- TION RATIO	ALKA- LITY FIELD (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)	SILICA, DIS- SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)	SOLIDS, DIS- SOLVED (TONS PER DAY)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)	
OCT 20...	2.6	0.3	8	12	9.6	2.4	9.6	56	0.08	0.02	<.100	
DATE	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)						
OCT 20...	390	280	110	30	7	23						

02462480 BIG YELLOW CREEK NEAR WHITSON, AL

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

[illegible]

MOBILE RIVER BASIN

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ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

02462480 BIG YELLOW CREEK NEAR WHITSON, AL--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	SULFATE DIS- SOLVED (MG/L AS SO4)	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)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)	SOLIDS, DIS- SOLVED (TONS PER DAY)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)
OCT 17...	53	1.5	7.4	112	--	0.15	0.30	<.100
NOV 16...	--	--	--	--	--	--	--	--
DEC 14...	8.7	1.5	8.3	29	28	.04	--	<.100
JAN 13...	--	--	--	--	--	--	--	--
FEB 15...	7.1	1.5	8.0	31	23	.04	3.5	<.100

DATE	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)
OCT 17...	--	--	110	--	--	1600
DEC 14...	550	490	57	50	3	47
FEB 15...	450	410	40	40	6	34

MOBILE RIVER BASIN

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

0246248170 TRIBUTARY TO LITTLE YELLOW CR SITE C-2

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	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)
NOV 08...	1300	0.01	15	6.5	13.0	4	0	0.2	9.9	0.77	0.49	1.0
DATE	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LINEITY FIELD (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, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)	SOLIDS, DIS- SOLVED (TONS PER DAY)
NOV 08...	33	0.2	0.30	10	6.1	3.0	1.3	<.10	6.9	20	0.03	0.00
DATE		BORON, DIS- SOLVED (UG/L AS B)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, SUS- PENDE 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- PENDE RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)				
NOV 08...		10	1000	900	100	110	10	100				

MOBILE RIVER BASIN

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ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

02462482 TRIBUTARY TO LITTLE YELLOW C NR BOLEY SPRINGS, AL

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	HARD- NESS (MG/L AS CACO3)	HARD- NESS, NONCAR- BONATE (MG/L AS CACO3)	ACIDITY TOTAL HEATED (MG/L AS H)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)
OCT 18...	1245	0.26	17	5.4	18.0	8.9	5	3	<.1	0.84	0.61	1.1
DEC 14...	1100	295	17	5.8	12.0	10.2	4	2	<.1	.64	.64	1.2
SEP 10...	1220	.09	18	5.1	21.0	8.3	--	--	--	--	--	--

DATE	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LINEITY FIELD (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)	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, NO2+NO3 DIS- SOLVED (MG/L AS N)
OCT 18...	--	0.2	--	2	15	4.1	2.0	6.9	30	--	0.04	<.100
DEC 14...	35	.3	0.50	2	6.1	4.6	1.5	5.8	18	16	.02	<.100
SEP 10...	--	--	--	3	46	--	--	--	--	--	--	--

DATE	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, SUS- PENDE 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- PENDE RECOV. (UG/L AS MN)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)
OCT 18...	380	290	87	30	1	29
DEC 14...	230	180	50	30	3	27

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

02462487 LITTLE YELLOW CREEK NR SAMANTHA, AL

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	HARD- NESS (MG/L AS CaCO3)	HEAR- NESS, NONCAR- BONATE (MG/L CaCO3)	ACIDITY TOTAL HEATED (MG/L AS H)
OCT 18...	1100	0.95	144	6.1	17.0	9.0	50	44	<.1
NOV 18...	0845	1.75	132	6.0	6.5	11.9	--	--	--
DEC 16...	0930	14	66	6.2	7.0	11.8	22	17	<.1
JAN 17...	1010	9.8	74	7.0	6.5	12.1	--	--	--
FEB 17...	1010	15	70	5.1	10.0	11.0	23	21	.1
MAR 16...	0910	7.6	80	5.2	14.0	9.6	--	--	--
APR 25...	0945	12	76	5.4	14.0	10.0	--	--	--
MAY 17...	1100	5.6	75	5.3	15.5	9.9	--	--	--
JUN 14...	0940	1.6	124	5.4	23.0	8.2	--	--	--
JUL 16...	1110	1.87	106	6.4	26	7.0	--	--	--
AUG 14...	1110	.84	185	6.7	24.0	6.9	--	--	--
SEP 14...	0950	.21	160	6.0	20.0	8.5	--	--	--

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MOBILE RIVER BASIN

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ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

02462487 LITTLE YELLOW CREEK NR SAMANTHA, AL--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	SULFATE DIS- SOLVED (MG/L AS SO ₄)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SILICA, DIS- SOLVED (MG/L AS SIO ₂)	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, NO ₂ +NO ₃ DIS- SOLVED (MG/L AS N)
OCT 18...	52	2.1	7.6	109	--	0.15	0.28	<.100
NOV 18...	--	--	--	--	--	--	--	--
DEC 16...	21	1.7	7.0	46	43	.06	--	.120
JAN 17...	--	--	--	--	--	--	--	--
FEB 17...	22	1.6	6.8	53	42	.07	2.1	<.100

DATE	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, SUS- PENDE 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- PENDE RECOV. (UG/L AS MN)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)
OCT 18...	310	210	99	780	0	810
DEC 16...	380	260	120	570	0	570
FEB 17...	280	220	61	610	10	600

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ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

02462490 LITTLE YELLOW CREEK NEAR WHITSON, AL

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	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)
OCT 17...	0940	1.9	93	5.6	15.0	9.6	31	29	<.1
NOV 16...	1130	4.9	210	6.2	10.5	10.4	--	--	--
DEC 14...	1420	53	56	6.2	11.0	10.6	18	15	<.1
JAN 13...	1230	37	46	5.1	6.5	11.9	--	--	--
FEB 15...	1210	49	43	4.9	9.0	11.4	13	12	.1
MAR 14...	1210	19	54	5.2	12.0	10.6	--	--	--
APR 25...	1145	27	56	5.1	16.0	9.6	--	--	--
MAY 17...	1300	8.1	68	5.4	20.0	9.1	--	--	--
JUN 14...	1415	1.9	102	5.5	28.0	5.8	--	--	--
JUL 16...	1435	26	49	5.7	24.0	7.6	--	--	--
AUG 14...	1315	1.1	124	6.6	27.0	8.4	--	--	--
SEP 14...	1300	.17	160	6.4	25.0	7.2	--	--	--

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MOBILE RIVER BASIN

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ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

02462490 LITTLE YELLOW CREEK NEAR WHITSON, AL--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	SULFATE DIS- SOLVED (MG/L AS SO4)	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)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)	SOLIDS, DIS- SOLVED (TONS PER DAY)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)
OCT 17...	32	1.8	6.5	72	--	0.10	0.37	<.100
NOV 16...	--	--	--	--	--	--	--	--
DEC 14...	18	1.6	7.1	42	37	.06	--	.110
JAN 13...	--	--	--	--	--	--	--	--
FEB 15...	14	1.5	7.1	35	30	.05	4.6	.110

DATE	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, SUS- PENDE 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- PENDE RECOV. (UG/L AS MN)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)
OCT 17...	340	200	140	40	0	43
DEC 14...	630	580	47	340	10	330
FEB 15...	210	170	43	190	0	190

MOBILE RIVER BASIN

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

02462590 BLUE CREEK NEAR WILEY, AL

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	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)
OCT 19...	1230	0.06	48	6.2	17.0	7.1	16	6	<.1
NOV 17...	1010	.27	55	6.5	8.0	9.2	--	--	--
DEC 15...	1100	10.8	21	6.2	9.0	11.6	6	3	<.1
JAN 16...	1040	5.9	23	4.6	6.0	12.1	--	--	--
FEB 15...	1500	12	20	4.7	11.0	10.8	5	4	.1
MAR 15...	1015	3.7	23	4.9	12.0	10.4	--	--	--
APR 26...	1125	4.7	23	5.0	15.0	10.0	--	--	--
MAY 16...	1005	1.8	23	4.9	15.0	10.0	--	--	--
JUN 19...	0945	.00	44	5.0	23.0	6.8	--	--	--
JUL 17...	1015	3.4	30	5.7	22.0	8.0	--	--	--
AUG 15...	0945	.02	45	6.0	23.0	6.8	--	--	--

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MOBILE RIVER BASIN

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ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

02462590 BLUE CREEK NEAR WILEY, AL--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	SULFATE DIS- SOLVED (MG/L AS SO4)	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)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)	SOLIDS, DIS- SOLVED (TONS PER DAY)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)
OCT 19...	13	1.6	5.2	46	--	0.06	0.00	<.100
NOV 17...	--	--	--	--	--	--	--	--
DEC 15...	5.8	1.5	7.1	22	20	.03	--	<.100
JAN 16...	--	--	--	--	--	--	--	--
FEB 15...	5.7	1.3	6.8	30	18	.04	.97	<.100

DATE	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, SUS- PENDE 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- PENDE RECOV. (UG/L AS MN)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)
OCT 19...	270	120	150	30	7	23
DEC 15...	230	190	40	<10	--	11
FEB 15...	400	380	22	10	3	7

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

02462592 UNNAMED TRIBUTARY TO BLUE CREEK NEAR WILEY, AL

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	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)
OCT 19...	1115	0.08	1550	6.7	21.0	8.2	840	780	0.2
NOV 17...	0900	.07	1700	6.7	8.0	10.6	--	--	--
DEC 15...	0910	1.4	1040	7.3	9.5	11.2	570	500	--
JAN 16...	0930	.59	1060	6.7	7.0	12.0	--	--	--
FEB 15...	1340	1.3	630	6.4	14.0	9.6	320	290	.1
MAR 15...	0900	.38	1280	6.7	12.5	10.0	--	--	--
APR 26...	1010	.33	1040	6.6	17.0	9.6	--	--	--
MAY 16...	0845	.25	1460	6.8	17.0	9.4	--	--	--
JUN 19...	0830	.14	2030	7.3	25.0	7.8	--	--	--
JUL 17...	0900	.55	720	6.9	23.5	8.1	--	--	--
AUG 15...	0900	.04	1950	7.0	23.0	8.2	--	--	--
SEP 17...	1145	.02	2200	7.2	21.0	8.4	--	--	--

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MOBILE RIVER BASIN

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ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

02462592 UNNAMED TRIBUTARY TO BLUE CREEK NEAR WILEY, AL--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	SULFATE DIS- SOLVED (MG/L AS SO4)	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)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)	SOLIDS, DIS- SOLVED (TONS PER DAY)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)
OCT 19...	860	1.6	7.7	1390	--	1.9	0.30	<.100
NOV 17...	--	--	--	--	--	--	--	--
DEC 15...	530	1.3	7.0	788	760	1.1	--	.190
JAN 16...	--	--	--	--	--	--	--	--
FEB 15...	290	1.7	6.7	462	420	.63	1.6	<.100

DATE	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, SUS- PENDE 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- PENDE RECOV. (UG/L AS MN)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)
OCT 19...	610	0	610	3300	200	3100
DEC 15...	490	360	130	2400	0	2400
FEB 15...	400	270	130	1500	0	1600

MOBILE RIVER BASIN

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

02462625 BLUE CREEK NEAR WINDHAM SPRINGS, AL

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	HARD- NESS 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)
OCT 13...	1115	16	450	6.6	16.5	8.4	210	200	0.1	5.0	37	29
DATE		SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM AD- SORP- TION RATIO	ALKA- LITY FIELD (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)	SILICA, DIS- SOLVED (MG/L AS SIO2)	RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)	SOLIDS, DIS- SOLVED (TONS PER DAY)	GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)
OCT 13...	2.8	0.1	16	7.8	200	1.4	5.1	337	0.46	15	0.110	
DATE				IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, SUS- PENDE 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- PENDE RECOV. (UG/L AS MN)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)			
OCT 13...				770	680	94	240	10	230			

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

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MOBILE RIVER BASIN

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

02463585 CANE CREEK NEAR BERRY, AL--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	SULFATE DIS- SOLVED (MG/L AS SO4)	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)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)	SOLIDS, DIS- SOLVED (TONS PER DAY)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)
OCT 20...	350	1.9	7.9	522	--	0.71	0.41	<.100
NOV 16...	--	--	--	--	--	--	--	--
DEC 14...	130	1.7	8.0	211	200	.29	--	.370
JAN 13...	--	--	--	--	--	--	--	--
FEB 15...	110	1.8	7.8	198	170	.27	8.6	.180

DATE	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, SUS- PENDE 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- PENDE RECOV. (UG/L AS MN)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)
OCT 20...	100	40	57	160	0	170
DEC 14...	450	410	38	660	30	630
FEB 15...	220	200	22	550	0	560

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

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MOBILE RIVER BASIN

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

02463850 TYRO CREEK NEAR NEW LEXINGTON, AL--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	SULFATE DIS- SOLVED (MG/L AS SO4)	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)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)	SOLIDS, DIS- SOLVED (TONS PER DAY)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)
OCT 12...	10	1.9	6.5	46	--	0.06	0.21	<.100
NOV 15...	--	--	--	--	--	--	--	--
DEC 12...	12	1.4	8.3	36	31	.05	15	<.100
JAN 12...	--	--	--	--	--	--	--	--
FEB 13...	12	1.4	7.7	50	29	.07	15	<.100

DATE	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)
OCT 12...	480	280	200	200	40	160
DEC 12...	1000	950	54	220	10	210
FEB 13...	890	840	53	270	0	270

MOBILE RIVER BASIN

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ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

02463880 TRIBUTARY TO BEAR CREEK NEAR SAMANTHA, AL

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	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)	
OCT 12...	0910	0.05	72	6.4	18.0	5.3	27	0	0.1	5.0	5.4	
DATE		MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM AD- SORP- TION RATIO	ALKA- LINITY FIELD 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)	SILICA, DIS- SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)	SOLIDS, DIS- SOLVED (TONS PER DAY)
OCT 12...	3.4	2.3	0.2	30	23	10	2.0	7.3	58	0.08	0.00	
DATE				IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, SUS- PENDE 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- PENDE RECOV. (UG/L AS MN)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)			
OCT 12...				980	690	290	180	40	140			

MOBILE RIVER BASIN

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

02464025 CRIPPLE CREEK NEAR SAMANTHA, AL

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	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)	ACIDITY (MG/L AS CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)
OCT 12...	1345	1.4	220	6.0	18.5	7.3	68	61	0.1	5.0	12	9.3
DATE	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM AD- SORP- TION RATIO	ALKA- LINEITY FIELD (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)	SILICA, DIS- SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)	SOLIDS, DIS- SOLVED (TONS PER DAY)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)	
OCT 12...	5.5	0.3	7	14	81	1.4	3.8	151	0.21	0.57	0.140	
DATE	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, SUS- PENDE 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- PENDE RECOV. (UG/L AS MN)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)						
OCT 12...	990	870	120	1600	400	1200						

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	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)
OCT 13...	0820	4.4	590	6.1	17.0	9.1	290	280	0.1
NOV 15...	1325	1.1	870	7.0	14.5	8.4	--	--	--
DEC 13...	1110	19	680	6.6	13.5	9.7	330	300	<.1
JAN 12...	1415	8.3	540	6.4	8.5	10.9	--	--	--
FEB 13...	1410	13	290	5.8	12.0	10.6	120	110	.1
MAR 13...	1320	4.5	620	6.2	13.5	10.5	--	--	--
APR 24...	1235	4.6	540	6.2	16.5	9.7	--	--	--
MAY 15...	1230	3.9	840	6.4	19.5	8.7	--	--	--
JUN 13...	1215	.86	450	6.4	24.0	6.4	--	--	--
JUL 13...	1230	3.2	640	6.5	24.0	8.1	--	--	--
AUG 13...	1230	1.0	1060	7.2	23.5	8.4	--	--	--
SEP 12...	1135	.28	1420	7.4	23.0	8.2	--	--	--

[illegible]

MOBILE RIVER BASIN

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

02464032 LITTLE CREEK EAST OF SAMANTHA, AL--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	SULFATE DIS- SOLVED (MG/L AS SO4)	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)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)	SOLIDS, DIS- SOLVED (TONS PER DAY)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)
OCT 13...	320	2.0	5.4	447	--	0.61	5.3	0.270
DEC 13...	320	2.1	7.6	492	460	.67	--	.810
FEB 13...	120	1.8	7.3	204	180	.28	7.2	<.100

DATE	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)
OCT 13...	600	320	280	3700	300	3400
DEC 13...	600	320	280	3500	0	3500
FEB 13...	780	570	210	1400	0	1400

MOBILE RIVER BASIN

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ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

02464035 CRIPPLE CREEK EAST OF SAMANTHA, AL

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	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 CACO3)
OCT										
12...	1245	4.0	520	6.5	18.5	8.1	--	--	210	190
NOV										
15...	1215	3.9	1100	6.9	13.5	8.8	--	--	--	--
DEC										
13...	0910	98	215	6.5	12.0	10.2	--	--	88	78
JAN										
12...	1250	48	160	6.0	6.0	11.8	--	--	--	--
FEB										
13...	1230	100	80	5.2	11.0	10.8	--	--	28	25
MAR										
13...	1205	28	420	6.0	11.0	10.8	--	--	--	--
APR										
06...	1345	46	131	6.8	14.5	10.5	--	--	46	37
MAY										
01...	1240	62	136	6.5	14.0	10.0	--	--	50	40
JUN										
07...	1145	2.9	710	7.4	22.0	8.4	--	--	350	310
JUL										
09...	1220	1.7	790	7.6	24.0	8.7	89	180	380	340
AUG										
01...	1550	4.1	780	7.4	22.0	8.5	--	--	370	320
SEP										
11...	1105	.65	1550	7.5	21.0	7.7	44	100	800	690

DATE	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)	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LINITY FIELD (MG/L AS CACO3)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2)
OCT										
12...	0.1	5.0	43	26	11	--	0.3	--	21	13
NOV										
15...	--	--	--	--	--	--	--	--	59	14
DEC										
13...	<.1	--	17	11	3.0	7	.1	1.2	10	6.1
JAN										
12...	--	--	--	--	--	--	--	--	8	15
FEB										
13...	.1	5.0	5.2	3.7	2.0	13	.2	.80	3	37
MAR										
13...	--	--	--	--	--	--	--	--	15	29
APR										
06...	--	--	8.9	5.7	2.4	10	.2	.90	9	2.8
MAY										
01...	--	--	9.6	6.3	2.2	9	.1	1.0	10	6.1
JUN										
07...	--	--	69	42	12	7	.3	2.6	40	3.1
JUL										
09...	--	--	78	46	14	7	.3	3.0	41	2.0
AUG										
01...	--	--	73	45	11	6	.3	3.0	45	3.5
SEP										
11...	--	--	170	91	33	8	.5	4.5	110	6.7

MOBILE RIVER BASIN

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

02464035 CRIPPLE CREEK EAST OF SAMANTHA, AL--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	SULFATE DIS- SOLVED (MG/L AS SO ₄)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, 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 CONSTI- TUENTS, DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)	SOLIDS, DIS- SOLVED (TONS PER DAY)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)
OCT 12...	220	2.9	--	5.4	337	--	0.46	3.6	--	--
NOV 15...	--	--	--	--	--	--	--	--	--	--
DEC 13...	81	5.0	--	7.5	126	130	.17	--	--	--
JAN 12...	--	--	--	--	--	--	--	--	--	--
FEB 13...	26	1.8	--	6.8	66	48	.09	18	--	--
MAR 13...	--	--	--	--	--	--	--	--	--	--
APR 06...	44	2.4	<.10	7.7	79	78	.11	9.8	0.080	0.020
MAY 01...	46	1.8	<.10	8.0	100	82	.14	17	--	<.010
JUN 07...	310	3.8	.10	7.9	314	470	.43	--	--	<.010
JUL 09...	370	5.1	<.10	5.9	687	550	.93	3.2	--	<.010
AUG 01...	400	6.2	<.10	7.4	630	580	.86	7.0	--	<.010
SEP 11...	770	11	<.10	7.9	1250	1200	1.7	1.6	--	<.010

DATE	NITRO- GEN, NO ₂ +NO ₃ TOTAL (MG/L AS N)	NITRO- GEN, NO ₂ +NO ₃ DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, 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)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P)
OCT 12...	--	0.130	--	--	--	--	--	--	--
NOV 15...	--	--	--	--	--	--	--	--	--
DEC 13...	--	.210	--	--	--	--	--	--	--
JAN 12...	--	--	--	--	--	--	--	--	--
FEB 13...	--	<.100	--	--	--	--	--	--	--
MAR 13...	--	--	--	--	--	--	--	--	--
APR 06...	0.100	--	0.010	--	<.10	--	<.010	<.010	<.010
MAY 01...	<.100	--	<.010	--	.70	--	<.010	<.010	<.010
JUN 07...	<.100	--	<.010	--	.10	--	.010	<.010	<.010
JUL 09...	.100	--	.030	--	<.10	--	<.010	.010	<.010
AUG 01...	.100	--	.020	0.48	.50	0.60	<.050	.020	<.010
SEP 11...	<.100	--	.070	.33	.40	--	.020	.030	.060

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

	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)		IRON, TOTAL RECOV- ERABLE (UG/L AS FE)		IRON, SUS- PENDE D RECOV- ERABLE (UG/L AS FE)		IRON, DIS- SOLVED (UG/L AS FE)		LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	
OCT 12...		--		--		--		--		--		--		560		460		100		--
DEC 13...		--		--		--		--		--		--		390		290		100		--
FEB 13...		--		--		--		--		--		--		520		420		100		--
APR 06...		--		--		--		--		--		--		400		330		73		--
MAY 01...		--		--		--		--		--		--		790		660		130		--
JUN 07...		--		--		--		--		--		--		440		130		8		--
JUL 09...		--		--		--		--		--		--		450		440		11		--
AUG 01...		1		<1		1		<1		5		2		700		680		13		<1
SEP 11...		--		--		--		--		--		--		470		460		10		--
DATE	LEAD, DIS- SOLVED (UG/L AS PB)	MANGA- NESE, TOTAL RECOV- ERABLE (AS MN)	MANGA- NESE, SUS- PENDE D RECOV. (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, DIS- SOLVED (UG/L AS SE)	SILVER, TOTAL RECOV- ERABLE (UG/L AS AG)	SILVER, DIS- SOLVED (UG/L AS AG)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)									
OCT 12...	--	2500	500	2000	--	--	--	--	--	--	--									
DEC 13...	--	870	0	870	--	--	--	--	--	--	--									
FEB 13...	--	250	0	290	--	--	--	--	--	--	--									
APR 06...	--	460	0	460	--	--	--	--	--	--	--									
MAY 01...	--	500	0	520	--	--	--	--	--	--	--									
JUN 07...	--	2300	100	2200	--	--	--	--	--	--	--									
JUL 09...	--	1300	0	1400	--	--	--	--	--	--	--									
AUG 01...	4	3300	0	3300	0.7	<.1	<1	<1	<1	1.6	<.01									
SEP 11...	--	2200	0	2300	--	--	--	--	--	--	--									

MOBILE RIVER BASIN

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

02464100 DRY CREEK NR SAMANTHA, AL

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	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)	ACIDITY (MG/L AS CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)
OCT												
13...	1015	11	24	6.0	16.0	9.2	7	2	0.1	5.0	1.4	0.97
NOV												
15...	1430	2.2	32	6.3	12.0	6.9	--	--	--	--	--	--
DEC												
13...	1305	32	22	6.2	11.5	10.6	6	1	<.1	--	1.1	.89
JAN												
12...	1530	24	24	6.0	5.5	11.5	--	--	--	--	--	--
FEB												
13...	1520	44	24	4.8	11.0	10.4	7	5	.1	5.0	1.1	1.0
MAR												
13...	1430	12	23	4.8	11.5	11.0	--	--	--	--	--	--
APR												
06...	1045	21	25	6.1	11.0	10.8	10	4	--	--	1.7	1.5
MAY												
02...	1200	25	23	6.2	14.0	9.4	--	--	--	--	--	--
JUN												
05...	1330	1.1	28	6.0	22.5	6.7	--	--	--	--	--	--
JUL												
05...	1525	.15	33	6.1	28.0	6.0	--	--	--	--	--	--
AUG												
06...	1520	1.6	31	6.0	25.5	7.1	9	0	--	--	1.8	1.2
SEP												
06...	1500	.01	41	6.1	21.5	6.5	--	--	--	--	--	--

DATE	SODIUM, DIS- SOLVED (MG/L AS NA)	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LINITY FIELD (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)
OCT											
13...	1.0	--	0.2	--	5	9.7	6.4	1.6	--	5.6	15
NOV											
15...	--	--	--	--	10	9.7	--	--	--	--	--
DEC											
13...	1.4	30	.2	0.60	5	6.1	5.0	1.3	--	7.3	23
JAN											
12...	--	--	--	--	5	9.7	--	--	--	--	--
FEB											
13...	1.4	29	.2	.50	2	61	7.2	1.3	--	6.9	38
MAR											
13...	--	--	--	--	2	61	--	--	--	--	--
APR											
06...	1.2	19	.2	.70	6	9.2	8.8	1.2	<.10	6.2	31
MAY											
02...	--	--	--	--	7	8.6	--	--	--	--	--
JUN											
05...	--	--	--	--	8	15	--	--	--	--	--
JUL											
05...	--	--	--	--	10	15	--	--	--	--	--
AUG											
06...	1.5	24	.2	.80	9	17	3.2	1.5	<.10	7.5	24
SEP											
06...	--	--	--	--	16	25	--	--	--	--	--

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

02464100 DRY CREEK NR SAMANTHA, AL--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	SOLIDS, SUM OF CONSTITUENTS, DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)	SOLIDS, DIS- SOLVED (TONS PER DAY)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P)
OCT 13...	--	0.02	0.45	--	--	<.100	--	--	--	--	--
DEC 13...	21	.03	--	--	--	<.100	--	--	--	--	--
FEB 13...	21	.05	4.5	--	--	<.100	--	--	--	--	--
APR 06...	25	.04	1.8	0.010	<.100	--	<.010	0.40	<.010	<.010	<.010
AUG 06...	23	.03	--	<.010	<.100	--	<.010	.30	.020	.010	<.010

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)	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)
OCT 13...	--	--	--	--	--	--	510	340	170	--
DEC 13...	--	--	--	--	--	--	520	470	55	--
FEB 13...	--	--	--	--	--	--	410	360	47	--
APR 06...	--	--	--	--	--	--	1400	1400	43	--
AUG 06...	<1	<1	<1	<1	6	2	1300	1200	52	6

DATE	LEAD, DIS- SOLVED (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 DIS- SOLVED (UG/L AS HG)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	SILVER, TOTAL RECOV- ERABLE (UG/L AS AG)	SILVER, DIS- SOLVED (UG/L AS AG)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE DIS- SOLVED (MG/L AS CN)	CYANIDE TOTAL (MG/L AS CN)
OCT 13...	--	30	0	31	--	--	--	--	--	--	--
DEC 13...	--	30	3	27	--	--	--	--	--	--	--
FEB 13...	--	20	0	20	--	--	--	--	--	--	--
APR 06...	--	220	20	200	--	--	--	--	--	--	--
AUG 06...	5	140	30	110	<.1	<1	<1	<1	1.6	<.01	<.01

MOBILE RIVER BASIN

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

02464149 TURKEY CREEK NEAR PATTERSON CHAPEL, AL

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	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 CACO3)	ACIDITY TOTAL HEATED (MG/L AS H)
OCT 14...	1115	8.1	69	6.2	12.0	10.0	--	--	23	18	0.2
NOV 03...	0855	3.5	76	6.6	13.5	8.5	230	930	15	7	--
DEC 02...	0915	13	44	6.4	10.0	10.9	110	--	14	7	--
JAN 05...	1010	19	38	6.5	5.0	12.4	K27	42	11	--	--
FEB 02...	1045	14	43	6.4	5.0	12.4	K25	90	13	6	--
MAR 02...	1000	20	40	6.6	7.0	12.0	K2	K24	13	6	--
APR 03...	1045	94	35	5.8	13.0	11.2	--	--	6	3	--
MAY 02...	0940	32	38	6.3	14.0	10.2	K35	88	12	7	--
JUN 06...	1150	5.8	54	6.6	20.0	8.8	--	--	18	11	--
JUL 03...	1120	4.0	46	6.3	23.5	8.3	110	580	15	8	--
AUG 02...	1050	9.5	67	6.2	21.0	8.6	--	--	22	17	--
SEP 05...	0945	1.9	53	6.8	18.0	9.2	32	69	19	9	--

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)	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LINITY FIELD (MG/L AS CACO3)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2)	SULFATE DIS- SOLVED (MG/L AS SO4)
OCT 14...	9.9	3.8	3.3	1.5	--	0.1	--	5	6.1	27
NOV 03...	--	2.7	2.1	1.8	19	.2	0.70	8	3.9	9.3
DEC 02...	--	2.4	1.9	1.5	18	.2	.70	7	5.4	12
JAN 05...	--	2.0	1.5	1.3	19	.2	.60	--	--	11
FEB 02...	--	2.2	1.9	1.3	17	.2	.60	7	5.4	10
MAR 02...	--	2.1	1.8	1.4	19	.2	.60	7	3.4	9.6
APR 03...	--	1.1	.89	1.3	28	.2	.60	3	9.2	4.0
MAY 02...	--	2.1	1.7	1.3	18	.2	.70	5	4.9	10
JUN 06...	--	3.2	2.5	1.5	15	.2	.70	7	3.4	14
JUL 03...	--	2.7	1.9	1.4	16	.2	.70	7	6.8	13
AUG 02...	--	3.7	3.2	1.3	11	.1	1.0	5	6.1	19
SEP 05...	--	3.5	2.4	1.5	14	.2	.80	10	3.1	11

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

02464149 TURKEY CREEK NEAR PATTERSON CHAPEL, AL--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

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 AC-FT)	SOLIDS, DIS- SOLVED (TONS PER DAY)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)
OCT 14...	1.6	--	6.4	60	--	0.08	1.3	--	--	--
NOV 03...	1.7	<.10	6.7	31	30	.04	.29	--	<.010	<.100
DEC 02...	1.5	<.10	6.7	38	31	.05	1.3	0.080	.020	.100
JAN 05...	1.6	<.10	6.1	28	--	.04	1.4	--	<.010	<.100
FEB 02...	1.5	<.10	6.4	27	28	.04	1.0	--	<.010	<.100
MAR 02...	1.6	<.10	6.6	24	28	.03	1.3	--	<.010	<.100
APR 03...	2.0	<.10	7.5	13	19	.02	3.3	--	.010	<.100
MAY 02...	1.2	<.10	6.8	26	27	.04	2.2	--	<.010	.200
JUN 06...	1.6	<.10	6.8	51	35	.07	.80	--	<.010	<.100
JUL 03...	1.8	<.10	6.4	40	32	.05	.43	--	<.010	.100
AUG 02...	1.5	<.10	6.3	56	39	.08	--	.190	.010	.200
SEP 05...	1.7	.10	6.4	44	34	.06	.43	--	<.010	.500

DATE	NITRO- GEN, NO2+NO3 DIS- SOLVED (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)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P)
OCT 14...	0.390	--	--	--	--	--	--	--
NOV 03...	--	0.040	0.96	1.0	--	0.010	0.010	<.010
DEC 02...	--	<.010	--	.70	0.80	.010	<.010	<.010
JAN 05...	--	.060	.14	.20	--	<.010	<.010	<.010
FEB 02...	--	.020	.88	.90	--	.010	<.010	<.010
MAR 02...	--	.020	.68	.70	--	<.010	<.010	<.010
APR 03...	--	.070	1.6	1.7	--	.020	<.010	<.010
MAY 02...	--	.200	.50	.70	.90	.050	.080	<.010
JUN 06...	--	.060	.34	.40	--	<.010	<.010	.010
JUL 03...	--	.080	.02	.10	.20	<.010	<.010	<.010
AUG 02...	--	<.010	--	.10	.30	.040	.030	<.010
SEP 05...	--	.020	.18	.20	.70	<.010	<.010	<.010

MOBILE RIVER BASIN

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

02464149 TURKEY CREEK NEAR PATTERSON CHAPEL, AL--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

	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)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, SUS- PENDE D RECOV- ERABLE (UG/L AS FE)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)		
	OCT 14...	--	--	--	--	--	--	350	290	56	--		
	NOV 03...	--	--	--	--	--	--	360	230	130	--		
	DEC 02...	--	--	--	--	--	--	610	520	87	--		
	JAN 05...	--	--	--	--	--	--	390	320	69	--		
	FEB 02...	--	--	--	--	--	--	230	160	73	--		
	MAR 02...	--	--	--	--	--	--	380	310	73	--		
	APR 03...	--	--	--	--	--	--	740	670	75	--		
	MAY 02...	--	--	--	--	--	--	630	550	76	--		
	JUN 06...	--	--	--	--	--	--	830	770	59	--		
	JUL 03...	--	--	--	--	--	--	510	450	59	--		
	AUG 02...	1	<1	<1	<1	6	2	1000	890	110	5		
	SEP 05...	--	--	--	--	--	--	470	340	130	--		
	DATE	LEAD, SUS- PENDE D RECOV- ERABLE (UG/L AS PB)	LEAD, DIS- SOLVED (UG/L AS PB)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, SUS- PENDE D RECOV. (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)	SILVER, TOTAL RECOV- ERABLE (UG/L AS AG)	SILVER, DIS- SOLVED (UG/L AS AG)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE DIS- SOLVED (MG/L AS CN)	CYANIDE TOTAL (MG/L AS CN)
	OCT 14...	--	--	540	70	470	--	--	--	--	--	--	--
	NOV 03...	--	--	70	8	62	--	--	--	--	--	--	--
	DEC 02...	--	--	220	0	220	--	--	--	--	--	--	--
	JAN 05...	--	--	200	0	200	--	--	--	--	--	--	--
	FEB 02...	--	--	210	0	230	--	--	--	--	--	--	--
	MAR 02...	--	--	190	0	200	--	--	--	--	--	--	--
	APR 03...	--	--	30	0	34	--	--	--	--	--	--	--
	MAY 02...	0	--	190	10	180	--	--	--	--	--	--	--
	JUN 06...	--	--	100	20	120	--	--	--	--	--	--	--
	JUL 03...	--	--	70	8	62	--	--	--	--	--	--	--
	AUG 02...	--	3	390	10	380	0.5	<1	<1	<1	2.9	<.01	<.01
	SEP 05...	--	--	50	5	45	--	--	--	--	--	--	--

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

02464155 LAKE TUSCALOOSA AT HILLTOP ESTATES LANDING NR NOTRHPORT, AL

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM)	PH (STANDARD UNITS)	TEMPERATURE WATER (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREPTOCOCCI, KF AGAR (COLS. PER 100 ML)	HARDNESS (MG/L AS CaCO3)	HARDNESS, NONCARBONATE (MG/L AS CaCO3)	CALCIUM, DIS-SOLVED (MG/L AS Ca)	MAGNESIUM, DIS-SOLVED (MG/L AS Mg)	SODIUM, DIS-SOLVED (MG/L AS Na)
OCT 07...	0855	81	6.6	23.0	7.5	--	--	22	11	3.7	3.0	5.1
NOV 07...	1000	80	6.5	18.0	8.1	--	28	21	11	3.4	3.0	5.3
DEC 15...	0835	68	6.2	10.0	10.1	--	--	22	16	4.7	2.6	3.0
JAN 09...	0915	67	6.2	6.0	12.2	K8	24	22	15	4.2	2.8	2.6
FEB 03...	1100	69	6.3	7.0	11.8	--	K10	20	13	3.6	2.6	3.7
MAR 06...	0930	48	6.4	11.0	10.6	K700	K972	15	7	2.7	1.9	2.3
APR 05...	0900	51	6.2	14.0	10.0	--	--	15	9	2.7	2.0	1.9
MAY 09...	1130	53	6.2	21.0	--	K650	630	17	10	3.0	2.2	2.1
JUN 08...	0945	72	6.4	29.0	8.1	--	--	23	13	4.2	3.0	2.7
JUL 06...	1015	83	6.0	30.0	7.0	K10	K3	24	11	4.6	3.1	3.4
AUG 03...	1015	88	6.5	27.5	6.0	--	--	25	8	4.7	3.3	3.9
SEP 07...	1115	82	6.7	27.0	6.7	--	--	25	--	4.6	3.2	3.6

DATE	PERCENT SODIUM	SODIUM ADSORPTION RATIO	POTASSIUM, DIS-SOLVED (MG/L AS K)	ALKALINITY FIELD (MG/L AS CaCO3)	CARBON DIOXIDE, DIS-SOLVED (MG/L AS CO2)	SULFATE, DIS-SOLVED (MG/L AS SO4)	CHLORIDE, DIS-SOLVED (MG/L AS CL)	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 AC-FT)
OCT 07...	32	0.5	1.2	11	5.4	18	1.2	<.10	6.2	49	46	0.07
NOV 07...	34	.5	1.2	10	6.1	19	4.2	.10	5.3	46	48	.06
DEC 15...	21	.3	1.1	6	7.3	20	2.2	<.10	7.1	46	45	.06
JAN 09...	20	.2	.80	7	8.6	19	2.3	<.10	6.8	48	43	.07
FEB 03...	28	.4	.70	7	6.8	18	3.5	<.10	7.0	39	44	.05
MAR 06...	24	.3	.80	8	6.2	12	2.1	<.10	6.2	32	33	.04
APR 05...	21	.2	.80	6	7.3	12	2.4	<.10	6.9	28	32	.04
MAY 09...	21	.2	.90	7	8.6	16	2.0	<.10	7.0	86	38	.12
JUN 08...	20	.3	.90	10	7.7	21	2.5	.10	6.9	58	48	.08
JUL 06...	23	.3	.90	13	25	18	2.6	<.10	6.6	64	48	.09
AUG 03...	24	.3	1.1	17	10	19	3.3	<.10	6.5	54	55	.07
SEP 07...	23	.3	1.1	16	6.2	18	3.5	<.10	6.3	54	50	.07

MOBILE RIVER BASIN

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

02464155 LAKE TUSCALOOSA AT HILLTOP ESTATES LANDING NR NOTRHPORT, AL

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	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, TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P)
OCT 07...	--	<.010	<.100	0.080	0.32	0.40	--	0.010	0.010	<.010
NOV 07...	--	<.010	<.100	.150	-.05	.10	--	.010	.010	<.010
DEC 15...	--	<.010	.100	.030	.07	.10	0.20	.030	.010	<.010
JAN 09...	--	<.010	.100	.040	.86	.90	1.0	.010	<.010	<.010
FEB 03...	--	<.010	.100	<.010	--	.70	.80	.030	.010	<.010
MAR 06...	--	<.010	.100	.030	.47	.50	.60	.040	<.010	.020
APR 05...	0.080	.020	.100	.060	.44	.50	.60	.040	<.010	.030
MAY 09...	.070	.030	.100	.160	.04	.20	.30	.070	<.010	.020
JUN 08...	--	<.010	<.100	.040	.16	.20	--	.060	<.010	<.010
JUL 06...	--	<.010	<.100	.230	.27	.50	--	.020	.020	<.010
AUG 03...	--	<.010	<.100	.170	.33	.50	--	.030	.010	<.010
SEP 07...	--	<.010	<.100	.180	.42	.60	--	<.010	<.010	<.010

DATE	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)	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)
OCT 07...	--	--	--	--	--	790	470	320	--
NOV 07...	--	--	--	--	--	340	290	54	--
DEC 15...	--	--	--	--	--	980	850	130	--
JAN 09...	--	--	--	--	--	730	650	79	--
FEB 03...	--	--	--	--	--	820	710	110	--
MAR 06...	--	--	--	--	--	960	860	100	--
APR 05...	--	--	--	--	--	1700	1600	100	2
MAY 09...	--	--	--	--	--	1800	1700	140	5
JUN 08...	--	--	--	--	--	1000	620	380	4
JUL 06...	--	--	--	--	--	1300	1000	260	--
AUG 03...	<1	<1	<1	5	1	2500	1000	1500	9
SEP 07...	--	--	--	--	--	2600	1100	1500	--

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

02464155 LAKE TUSCALOOSA AT HILLTOP ESTATES LANDING NR NOTRHPORT, AL

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	LEAD, SUS- PENDE RECov- ERABLE (UG/L AS PB)	LEAD, DIS- SOLVED (UG/L AS PB)	MANGA- NESE, TOTAL ERABLE (UG/L AS MN)	MANGA- NESE, SUS- PENDE RECov. (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)	SILVER, TOTAL ERABLE (UG/L AS AG)	SILVER, DIS- SOLVED (UG/L AS AG)			
OCT 07...	--	--	370	20	350	--	--	--	--			
NOV 07...	--	--	120	60	60	--	--	--	--			
DEC 15...	--	--	170	40	130	--	--	--	--			
JAN 09...	--	--	190	0	190	--	--	--	--			
FEB 03...	--	--	160	20	140	--	--	--	--			
MAR 06...	--	--	140	20	120	--	--	--	--			
APR 05...	0	2	100	20	81	--	--	--	--			
MAY 09...	2	3	160	30	130	--	--	--	--			
JUN 08...	--	6	490	40	450	--	--	--	--			
JUL 06...	--	--	1100	0	1100	--	--	--	--			
AUG 03...	--	7	1300	100	1200	0.1	<1	2	2			
SEP 07...	--	--	1100	100	1000	--	--	--	--			
DATE	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE DIS- SOLVED (MG/L AS CN)	CYANIDE TOTAL (MG/L AS CN)	PCN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	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)	ENDO- SULFAN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
AUG 03...	2.9	<.01	<.01	--	--	--	--	--	--	--	--	--
SEP 07...	--	--	--	<1.0	<1	<.1	6.0	14	21	10	<.1	<.1
DATE	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)	METH- OXY- CHLOR, TOT. IN BOT- TOM MA- TERIAL (UG/KG)	TOXA- PHENE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	2,4-D, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	2,4-DP, IN BOT- TOM MA- TERIAL (UG/KG)	2,4,5-T TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	MIREX, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	SILVEX, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	PER- THANE IN BOT- TOM MA- TERIAL (UG/KG)
AUG 03...	--	--	--	--	--	--	--	--	--	--	--	--
SEP 07...	<.1	<.1	<.1	<.1	<.1	<10	<.10	<.1	<.10	<.1	<.1	<1.00

MOBILE RIVER BASIN

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

02464317 BARBEE CREEK NEAR SAMANTHA, AL

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	ALKA- LINITY FIELD (MG/L AS CACO3)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2)
NOV 01...	1435	2.2	290	7.4	18.0	9.0	56	4.3
JAN 06...	1345	6.4	175	6.8	10.0	10.0	30	9.2
APR 04...	1415	15	230	7.2	17.5	9.2	30	3.7
JUL 09...	1025	2.1	260	7.5	22.0	8.6	57	3.5

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

02464360 BINION CREEK BELOW GIN CREEK NEAR SAMANTHA, AL

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCCHI FECAL, KF AGAR (COLS. PER 100 ML)	HARD- NESS (MG/L AS CACO3)	HARD- NESS, NONCAR- BONATE (MG/L CACO3)
OCT										
03...	0845	28	40	6.4	15.5	8.7	--	--	13	5
NOV										
03...	1245	37	43	6.4	15.5	9.2	173	750	13	4
DEC										
07...	1440	308	36	5.8	9.5	10.3	--	--	12	7
JAN										
06...	1200	104	34	6.0	4.5	11.8	62	130	10	5
FEB										
06...	1300	70	35	5.9	3.5	13.0	K20	40	11	6
MAR										
05...	1245	443	36	5.9	12.0	10.1	28	100	11	6
APR										
04...	1050	288	35	6.0	16.0	9.1	--	--	10	5
MAY										
03...	0900	663	33	6.2	17.0	7.9	K8100	6900	10	--
JUN										
06...	1645	39	34	6.6	21.5	8.3	--	--	10	3
JUL										
05...	1115	27	38	6.0	24.0	7.5	100	330	12	4
AUG										
07...	0915	44	40	6.3	22.5	7.2	--	--	13	6
SEP										
06...	1035	19	42	6.5	20.0	8.6	210	92	14	4

DATE	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LINITY FIELD (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)
OCT										
03...	2.9	1.4	1.5	19	0.2	1.0	8	6.2	7.1	2.1
NOV										
03...	2.7	1.5	1.9	23	.2	1.0	9	6.9	8.0	3.2
DEC										
07...	2.4	1.4	1.1	16	.1	.90	5	15	8.8	1.7
JAN										
06...	2.1	1.2	1.2	19	.2	.80	5	9.7	7.6	2.0
FEB										
06...	2.1	1.3	1.3	20	.2	.80	5	12	6.4	2.3
MAR										
05...	2.3	1.3	1.3	19	.2	1.0	5	12	6.9	2.0
APR										
04...	2.0	1.1	1.0	17	.1	.70	5	9.7	6.6	2.4
MAY										
03...	2.2	1.2	1.2	18	.2	1.0	--	--	6.5	1.8
JUN										
06...	2.2	1.2	1.3	20	.2	.80	7	3.4	4.7	2.2
JUL										
05...	2.6	1.3	1.3	18	.2	1.0	8	15	5.2	1.8
AUG										
07...	2.9	1.5	1.3	16	.2	.90	7	6.8	6.9	2.0
SEP										
06...	3.0	1.5	1.3	16	.2	1.0	10	6.1	5.7	2.1

MOBILE RIVER BASIN

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

02464360 BINION CREEK BELOW GIN CREEK NEAR SAMANTHA, AL--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	FLUO- RIDE, DIS- SOLVED (MG/L AS P)	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 AC-FT)	SOLIDS, DIS- SOLVED (TONS PER DAY)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	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)
OCT											
03...	<.10	9.3	32	30	0.04	2.4	--	<.010	<.100	0.010	0.19
NOV											
03...	<.10	8.5	32	33	.04	3.2	--	<.010	<.100	.060	.44
DEC											
07...	<.10	6.2	36	26	.05	30	--	<.010	<.100	.040	.46
JAN											
06...	<.10	6.9	28	25	.04	7.9	--	<.010	.100	.070	.43
FEB											
06...	<.10	7.0	25	25	.03	4.7	--	<.010	.100	.030	.67
MAR											
05...	<.10	4.4	29	23	.04	35	.080	.020	.100	.080	.82
APR											
04...	<.10	5.2	21	22	.03	16	--	.020	<.100	<.010	--
MAY											
03...	<.10	5.1	30	--	.04	54	.070	.030	.100	.130	1.1
JUN											
06...	.10	8.2	42	25	.06	4.4	.180	.020	.200	.080	--
JUL											
05...	<.10	8.3	38	27	.05	2.8	--	<.010	<.100	.060	.04
AUG											
07...	<.10	8.8	33	29	.04	--	--	.010	<.100	<.010	--
SEP											
06...	<.10	8.5	38	29	.05	1.9	--	.020	<.100	.030	.27
DATE	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (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)	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P)	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)
OCT											
03...	0.20	--	0.010	0.010	<.010	--	--	--	--	--	--
NOV											
03...	.50	--	.020	.010	<.010	--	--	--	--	--	--
DEC											
07...	.50	--	.020	<.010	<.010	--	--	--	--	--	--
JAN											
06...	.50	0.60	.010	<.010	<.010	--	--	--	--	--	--
FEB											
06...	.70	.80	.020	.010	<.010	--	--	--	--	--	--
MAR											
05...	.90	1.0	.040	<.010	.020	--	--	--	--	--	--
APR											
04...	.30	--	<.010	<.010	<.010	--	--	--	--	--	--
MAY											
03...	1.2	1.3	.150	.030	.030	--	--	--	--	--	--
JUN											
06...	<.10	--	.010	<.010	<.010	--	--	--	--	--	--
JUL											
05...	.10	--	<.010	.010	<.010	--	--	--	--	--	--
AUG											
07...	.30	--	.020	.020	<.010	<1	<1	<1	<1	4	<1
SEP											
06...	.30	--	.010	<.010	<.010	--	--	--	--	--	--

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

02464360 BINION CREEK BELOW GIN CREEK NEAR SAMANTHA, AL--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	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)	LEAD, DIS- SOLVED (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 DIS- SOLVED (UG/L AS HG)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	SILVER, TOTAL RECOV- ERABLE (UG/L AS AG)	SILVER, DIS- SOLVED (UG/L AS AG)
OCT 03...	1400	1300	75	--	--	130	20	110	--	--	--	--
NOV 03...	1800	1500	270	--	--	170	20	150	--	--	--	--
DEC 07...	1200	1100	150	--	--	230	40	190	--	--	--	--
JAN 06...	810	720	93	--	--	190	10	180	--	--	--	--
FEB 06...	1200	920	280	--	--	280	90	190	--	--	--	--
MAR 05...	2400	2200	230	--	--	300	90	210	--	--	--	--
APR 04...	1700	1600	110	--	--	180	30	150	--	--	--	--
MAY 03...	9600	9300	310	--	--	650	340	310	--	--	--	--
JUN 06...	2100	1900	230	--	--	220	70	150	--	--	--	--
JUL 05...	1600	1500	78	--	--	180	40	140	--	--	--	--
AUG 07...	2100	1900	160	6	5	190	10	180	<.1	<1	<1	<1
SEP 06...	1600	1500	63	--	--	140	20	120	--	--	--	--

DATE	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE DIS- SOLVED (MG/L AS CN)	CYANIDE TOTAL (MG/L AS CN)	PCN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	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)	ENDO- SULFAN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
AUG 07...	3.5	<.01	<.01	--	--	--	--	--	--	--	--	--
SEP 06...	--	--	--	<1.0	<1	<.1	<1.0	<.1	0.4	<.1	<.1	<.1

DATE	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)	METH- OXY- CHLOR, TOT. IN BOT- TOM MA- TERIAL (UG/KG)	TOXA- PHENE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	2,4-D, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	2,4-DP, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	2,4,5-T TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	MIREX, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	SILVEX, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	PER- THANE IN BOT- TOM MA- TERIAL (UG/KG)
AUG 07...	--	--	--	--	--	--	--	--	--	--	--	--
SEP 06...	<.1	<.1	<.1	<.1	<.1	<10	<.10	<.1	<.10	<.1	<.1	<1.00

MOBILE RIVER BASIN

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

02464400 LAKE TUSCALOOSA AT TIERCE PATTON ROAD NR NORTHPORT, AL

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM)	PH (STANDARD UNITS)	TEMPERATURE WATER (DEG C)	COLOR (PLATINUM-COBALT UNITS)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREPTOCOCCI, FECAL, KF AGAR (COLS. PER 100 ML)	ALKALINITY FIELD (MG/L AS CaCO3)	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO2)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)
MAY 09...	1030	44	6.0	20.5	220	51	K15	5	9.7	0.070	0.030
SEP 07...	1045	71	6.3	27.5	--	K4	--	16	--	--	<.010
DATE		NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, DIS-SOLVED (MG/L AS P)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P)		
MAY 09...		0.100	0.100	0.20	0.30	0.40	0.030	<.010	0.020		
SEP 07...		<.100	.110	.49	.60	--	<.010	<.010	<.010		

MOBILE RIVER BASIN

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ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

02464500 NORTH RIVER NEAR TUSCALOOSA, AL

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	OXYGEN DIS- SOLVED (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCCHI FECAL, KF AGAR (COLS. PER 100 ML)	ALKA- LILITY FIELD (MG/L AS CACO3)
MAY 09...	1450	49	6.0	22	8.2	32	29	5.0
SEP 07...	1440	56	6.2	28	7.3	--	--	9
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)	PHOS- PHORUS, DIS- SOLVED TOTAL (MG/L AS P)	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P)
MAY 09...	0.010	0.100	0.15	0.25	0.40	0.030	0.010	0.020
SEP 07...	<.010	<.100	.040	.26	.30	<.010	<.010	.020

MOBILE RIVER BASIN

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

02464505 TIERCE CREEK NEAR NORTHPORT, AL

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCCHI 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)	
OCT													
03...	1435	1.6	12	6.2	18.0	9.1	--	--	3	0	0.53	0.36	
NOV													
02...	0905	2.2	14	6.0	15.0	9.9	72	K720	4	2	.61	.51	
DEC													
02...	1240	3.6	18	5.8	13.0	10.8	55	--	4	0	.75	.51	
JAN													
05...	1300	4.4	16	5.9	8.0	12.3	40	53	3	--	.64	.42	
FEB													
02...	1345	3.9	18	6.2	8.0	12.0	K20	40	4	0	.57	.53	
MAR													
02...	1245	4.5	15	6.4	10.0	11.1	K20	K15	4	0	.60	.52	
APR													
03...	1350	9.3	18	5.8	16.0	10.2	--	--	5	2	.75	.64	
MAY													
02...	0745	6.0	16	5.9	14.0	9.9	--	--	--	--	--	--	
JUN													
05...	1620	2.3	13	5.9	20.0	8.8	--	--	--	--	--	--	
JUL													
03...	1555	1.8	13	5.5	22.5	8.6	54	620	--	--	--	--	
AUG													
06...	1100	3.1	18	5.6	20.5	8.8	--	--	4	1	.83	.50	
SEP													
05...	1245	1.5	12	6.0	19.0	9.1	220	220	--	--	--	--	
DATE		SODIUM, DIS- SOLVED (MG/L AS NA)	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LINITY FIELD (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)
OCT													
03...	1.1	42	0.3	0.40	2	2.4	1.6	2.1	<.10	7.2	15	15	
NOV													
02...	1.3	41	.3	.40	2	3.9	2.2	2.2	<.10	6.5	14	15	
DEC													
02...	1.2	36	.3	.50	3	9.2	2.6	2.0	<.10	6.5	23	16	
JAN													
05...	1.0	35	.2	.50	--	--	2.3	1.7	<.10	6.1	18	--	
FEB													
02...	1.0	35	.2	.40	3	3.7	1.6	1.9	<.10	6.1	15	14	
MAR													
02...	1.1	37	.3	.40	3	2.3	1.5	1.8	<.10	6.2	14	14	
APR													
03...	.90	28	.2	.50	3	9.2	2.7	1.6	<.10	6.0	23	15	
MAY													
02...	--	--	--	--	3	7.3	--	--	--	--	--	--	
JUN													
05...	--	--	--	--	3	7.3	--	--	--	--	--	--	
JUL													
03...	--	--	--	--	--	--	--	--	--	--	--	--	
AUG													
06...	1.1	34	.2	.40	3	15	1.3	1.8	<.10	7.0	24	15	
SEP													
05...	--	--	--	--	2	3.9	--	--	--	--	--	--	

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

02464505 TIERCE CREEK NEAR NORTHPORT, AL--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	SOLIDS, DIS- SOLVED (TONS PER AC-FT)	SOLIDS, DIS- SOLVED (TONS PER DAY)	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)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P)
OCT 03...	0.02	0.06	<.010	<.100	<.010	--	0.30	0.010	0.010	<.010
NOV 02...	.02	.08	<.010	<.100	.040	0.36	.40	.010	<.010	<.010
DEC 02...	.03	.22	<.010	<.100	<.010	--	.30	.010	--	<.010
JAN 05...	.02	.21	<.010	<.100	.050	.45	.50	<.010	<.010	<.010
FEB 02...	.02	.16	<.010	<.100	.020	.98	1.0	.020	.010	<.010
MAR 02...	.02	.17	<.010	<.100	.040	.66	.70	<.010	<.010	<.010
APR 03...	.03	.58	.010	<.100	<.010	--	.20	<.010	<.010	<.010
MAY 02...	--	--	--	--	--	--	--	--	--	--
JUN 05...	--	--	--	--	--	--	--	--	--	--
JUL 03...	--	--	--	--	--	--	--	--	--	--
AUG 06...	.03	--	<.010	<.100	<.010	--	.30	.010	.010	<.010
SEP 05...	--	--	--	--	--	--	--	--	--	--

DATE	ARSENIC TOTAL (UG/L AS AS)	ARSENIC DIS- SOLVED (UG/L AS AS)	BORON, DIS- SOLVED (UG/L AS B)	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)	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)
OCT 03...	--	--	--	--	--	--	--	580	510	69	--
NOV 02...	--	--	--	--	--	--	--	370	320	53	--
DEC 02...	--	--	--	--	--	--	--	430	340	92	--
JAN 05...	--	--	--	--	--	--	--	200	140	58	--
FEB 02...	--	--	--	--	--	--	--	190	140	53	--
MAR 02...	--	--	--	--	--	--	--	130	70	62	--
APR 03...	--	--	--	--	--	--	--	400	320	81	--
AUG 06...	1	<1	<20	1	<1	5	<1	530	500	29	7

DATE	LEAD, DIS- SOLVED (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 DIS- SOLVED (UG/L AS HG)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	SILVER, TOTAL RECOV- ERABLE (UG/L AS AG)	SILVER, DIS- SOLVED (UG/L AS AG)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE DIS- SOLVED (MG/L AS CN)	CYANIDE TOTAL (MG/L AS CN)
OCT 03...	--	20	7	13	--	--	--	--	--	--	--
NOV 02...	--	20	10	9	--	--	--	--	--	--	--
DEC 02...	--	40	0	41	--	--	--	--	--	--	--
JAN 05...	--	40	3	37	--	--	--	--	--	--	--
FEB 02...	--	30	1	29	--	--	--	--	--	--	--
MAR 02...	--	30	1	29	--	--	--	--	--	--	--
APR 03...	--	50	6	44	--	--	--	--	--	--	--
AUG 06...	2	60	20	40	<.1	<1	<1	<1	2.0	<.01	<.01

MOBILE RIVER BASIN

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

02464660 CARROLL CREEK AT ST HWY 69 NR NORTHPORT, AL

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCCHI FECAL, KF AGAR (COLS. PER 100 ML)	HARD- NESS (MG/L AS CACO3)	HARD- NESS, NONCAR- BONATE (MG/L CACO3)
OCT 04...	1140	4.5	23	6.4	18.0	9.3	--	--	5	0
NOV 02...	1210	6.8	27	6.2	16.0	9.3	K440	K510	6	0
DEC 01...	1410	25	26	5.8	10.0	10.6	72	195	5	2
JAN 04...	1430	31	23	5.7	4.0	13.2	33	K40	4	--
FEB 01...	1415	21	30	5.8	6.0	12.2	31	55	5	2
MAR 01...	1345	30	21	6.5	7.0	12.0	35	K42	5	0
APR 02...	1620	22	24	6.1	14.0	10.3	--	--	5	1
MAY 01...	1430	49	21	6.0	16.0	9.1	200	72	5	0
JUN 05...	0945	6.4	23	6.2	19.5	8.3	--	--	5	0
JUL 02...	1610	7.3	23	5.6	22.0	8.5	98	1000	5	1
AUG 01...	1115	27	25	5.8	21.5	8.0	--	--	6	3
SEP 04...	1420	3.5	24	6.2	22.0	8.5	K210	450	6	0

DATE	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LINITY FIELD (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)
OCT 04...	1.0	0.62	1.8	39	0.4	.80	5	3.9	2.2	2.6	<.10
NOV 02...	1.4	.71	1.7	31	.3	1.3	2	61	4.0	3.0	<.10
DEC 01...	1.2	.59	1.5	33	.3	1.0	3	9.2	6.1	2.7	<.10
JAN 04...	.86	.50	1.3	36	.3	.60	--	--	4.7	2.3	<.10
FEB 01...	1.0	.60	1.4	34	.3	.70	3	9.2	6.3	2.4	<.10
MAR 01...	.93	.58	1.4	36	.3	.60	4	2.4	2.6	2.1	<.10
APR 02...	1.1	.61	1.4	33	.3	.70	4	6.2	1.6	2.2	<.10
MAY 01...	1.1	.55	1.2	31	.2	.70	5	9.7	2.2	1.7	.10
JUN 05...	1.1	.65	1.6	36	.3	.70	5	6.1	.8	2.6	<.10
JUL 02...	1.1	.60	1.4	33	.3	.80	4	19	1.5	1.7	<.10
AUG 01...	1.3	.67	1.2	27	.2	.90	3	9.2	4.0	2.3	<.10
SEP 04...	1.1	.68	1.7	36	.3	.80	5	6.1	.6	2.7	<.10

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	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, DIS- 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, TOTAL (MG/L AS N)
OCT 02...	8.2	21	20	0.03	0.26	<.010	0.200	<.010	--	0.20	0.40
NOV 02...	8.1	30	22	.04	1.2	.010	<.100	.010	0.79	.80	--
DEC 01...	7.4	32	23	.04	2.2	<.010	.100	.080	.72	.80	.90
JAN 04...	6.7	24	--	.03	2.0	<.010	.100	.050	.35	.40	.50
FEB 01...	6.8	15	21	.02	.85	<.010	.200	.280	.52	.80	1.0
MAR 01...	6.5	17	17	.02	1.4	<.010	.100	<.010	--	.70	.80
APR 02...	5.5	20	16	.03	1.2	<.010	.100	<.010	--	.30	.40
MAY 01...	6.5	24	17	.03	3.2	<.010	<.100	.030	.67	.70	--
JUN 05...	7.4	35	18	.05	.60	<.010	.300	.010	.29	.30	.60
JUL 02...	7.5	30	17	.04	.58	<.010	.200	<.010	--	.30	.50
AUG 01...	7.7	32	21	.04	2.3	<.010	.100	<.010	--	.90	1.0
SEP 04...	7.6	24	18	.03	.23	<.010	.200	.010	.29	.30	.50

[illegible]

MOBILE RIVER BASIN

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

02464660 CARROLL CREEK AT ST HWY 69 NR NORTHPORT, AL--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

	IRON, DIS- SOLVED (UG/L AS FE)	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, SUS- PENDE RECOV. (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, DIS- SOLVED (UG/L AS SE)	SILVER, TOTAL RECOV- ERABLE (UG/L AS AG)	SILVER, DIS- SOLVED (UG/L AS AG)	
OCT 04...	100	--	--	40	10	27	--	--	--	--	--	
NOV 02...	560	--	--	150	20	130	--	--	--	--	--	
DEC 01...	130	--	--	270	10	260	--	--	--	--	--	
JAN 04...	67	--	--	130	0	130	--	--	--	--	--	
FEB 01...	320	--	--	120	0	120	--	--	--	--	--	
MAR 01...	100	--	--	110	0	120	--	--	--	--	--	
APR 02...	84	--	--	120	10	110	--	--	--	--	--	
MAY 01...	260	--	--	230	60	170	--	--	--	--	--	
JUN 05...	170	--	--	70	50	24	--	--	--	--	--	
JUL 02...	140	--	--	80	30	50	--	--	--	--	--	
AUG 01...	420	3	5	340	100	240	2.0	<.1	<1	<1	<1	
SEP 04...	110	--	--	30	0	26	--	--	--	--	--	
	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE DIS- SOLVED (MG/L AS CN)	CYANIDE TOTAL (MG/L AS CN)	PCN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	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)	ENDO- SULFAN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
AUG 01...	5.1	<.01	<.01	--	--	--	--	--	--	--	--	--
SEP 04...	--	--	--	<1.0	<1	<.1	<1.0	0.7	2.7	0.8	<.1	<.1
	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)	METH- OXY- CHLOR, TOT. IN BOT- TOM MA- TERIAL (UG/KG)	TOXA- PHENE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	2,4-D, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	2,4-DP, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	2,4,5-T TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	MIREX, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	SILVEX, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	PER- THANE IN BOT- TOM MA- TERIAL (UG/KG)
AUG 01...	--	--	--	--	--	--	--	--	--	--	--	--
SEP 04...	<.1	<.1	<.1	<.1	<.1	<10	<.10	<.1	<.10	<.1	<.1	<1.00

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

02464680 BRUSH CREEK NEAR NORTHPORT, AL

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	HARD- NESS (MG/L AS CAO3)	HARD- NESS, NONCAR- BONATE (MG/L AS CAO3)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)
OCT 04...	0910	1.7	13	6.1	17.0	9.2	3	0	0.58	0.31	1.3
DATE	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LINEITY FIELD (MG/L AS CAO3)	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)	
OCT 04...	48	0.4	0.30	3	4.6	1.9	1.5	<.10	6.9	14	
DATE	SOLIDS, SUM OF CONSTITUENTS, DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)	SOLIDS, DIS- SOLVED (TONS PER DAY)	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,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P)	
OCT 04...	15	0.02	0.06	<.010	<.100	<.010	0.20	<.010	<.010	<.010	
DATE	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, SUS- PENDE D 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- PENDE D RECOV. (UG/L AS MN)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)					
OCT 04...	650	570	82	50	20	33					

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS STATIONS

SPECIFIC CONDUCTANCE AND TEMPERATURE

WATER-QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	TEMPER- ATURE (DEG C)	DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	TEMPER- ATURE (DEG C)
APALACHICOLA RIVER BASIN									
02342500 UCHEE CREEK NEAR FORT MITCHELL, AL (LAT 32 19 00 LONG 085 00 54)									
OCT 05...	1025	58	123	24.0	JUN 14...	1245	48	60	30.0
NOV 10...	1015	58	70	16.0	JUL 24...	1040	218	50	29.0
MAR 14...	1420	520	75	15.0	SEP 05...	1320	51	68	23.0
MAY 01...	1025	289	37	22.0					
02342933 SOUTH FORK COWIKEE CREEK NEAR BATESVILLE, AL (LAT 32 01 03 LONG 085 17 45)									
NOV 10...	1255	9.3	80	19.0	JUN 14...	1015	6.3	80	30.0
MAR 14...	1100	97	60	15.0	SEP 05...	1025	8.9	68	21.0
APR 30...	1050	95	63	21.0					
CHOCTAWHATCHEE RIVER BASIN									
02361000 CHOCTAWHATCHEE RIVER NEAR NEWTON, AL (LAT 31 20 30 LONG 085 36 43)									
OCT 03...	1115	217	85	21.0	JUN 07...	1450	373	54	21.0
NOV 09...	1240	277	60	17.0	JUL 19...	1125	728	65	26.0
FEB 02...	1320	1100	57	15.0	AUG 30...	1320	265	75	23.0
APR 27...	1115	1290	46	19.0					
02364570 PANTHER CREEK NEAR HACODA, AL (LAT 31 07 15 LONG 086 11 13)									
OCT 03...	1615	3.3	53	21.0	APR 26...	1315	17	32	17.0
NOV 09...	0855	3.3	41	16.0	JUN 06...	1245	2.3	42	23.0
DEC 21...	1455	24	51	14.0	JUL 18...	1315	10	45	27.0
FEB 01...	1345	32	56	14.0	AUG 22...	1020	8.7	43	24.0
MAR 07...	1430	294	22	12.5					
BLACKWATER RIVER BASIN									
02369800 BLACKWATER RIVER NEAR BRADLEY, AL (LAT 31 01 39 LONG 086 42 36)									
OCT 04...	0820	41	23	20.0	MAR 07...	1030	1120	24	11.0
NOV 08...	1445	47	15	16.0	JUN 06...	0940	44	22	21.0
DEC 21...	1140	96	19	14.0	JUL 18...	1010	95	27	23.0
FEB 01...	1110	145	23	15.0	AUG 29...	1245	75	19	19.0
ESCAMBIA RIVER BASIN									
02371200 INDIAN CREEK NEAR TROY, AL (LAT 31 48 50 LONG 086 07 15)									
OCT 04...	1510	2.4	70	22.0	APR 27...	1635	7.6	46	20.0
NOV 10...	1310	2.9	45	15.5	JUN 07...	1705	2.7	45	23.0
FEB 02...	1605	9.5	46	14.0	JUL 16...	0950	2.5	51	26.0
MAR 08...	1100	20	43	12.0	AUG 27...	1200	2.2	54	24.0

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS STATIONS

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SPECIFIC CONDUCTANCE AND TEMPERATURE

WATER-QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	TEMPER- ATURE (DEG C)	DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	TEMPER- ATURE (DEG C)
ESCAMBIA RIVER BASIN--Continued									
02371500 CONECUH RIVER AT BRANTLEY, AL (LAT 31 34 24 LONG 086 15 06)									
OCT 04...	1010	84	65	21.0	MAR 05...	0920	1260	51	12.0
NOV 07...	1220	115	88	15.5	JUN 04...	0945	161	80	21.0
DEC 20...	0910	833	63	10.5	JUL 16...	1150	88	96	28.0
JAN 30...	1025	1210	55	12.0	AUG 27...	1420	114	60	23.0
02372250 PATSALIGA CREEK NEAR BRANTLEY, AL (LAT 31 35 46 LONG 086 24 20)									
OCT 04...	1240	96	120	24.0	APR 16...	1325	438	72	17.0
NOV 07...	1410	166	87	15.0	JUN 04...	1155	146	78	21.5
DEC 20...	1115	534	64	10.5	JUL 16...	1130	84	112	28.0
JAN 30...	1325	991	72	14.0	AUG 28...	0830	197	92	21.0
02373000 SEPULGA RIVER NEAR MCKENZIE, AL (LAT 31 27 47 LONG 086 47 16)									
OCT 05...	0810	40	75	22.5	APR 19...	1010	403	49	19.0
NOV 08...	0940	54	63	15.5	JUN 05...	1115	146	52	22.0
DEC 20...	1445	281	54	15.0	JUL 17...	1340	68	54	25.0
JAN 31...	1010	726	55	14.0	AUG 24...	1210	215	55	22.0
MAR 06...	1045	2770	28	13.0					
02374500 MURDER CREEK NEAR EVERGREEN, AL (LAT 31 25 06 LONG 086 59 12)									
OCT 04...	1440	132	41	21.0	APR 19...	1340	274	47	17.0
NOV 08...	0715	158	29	14.0	JUN 05...	1435	186	42	22.0
DEC 21...	0740	218	41	15.0	JUL 17...	0930	161	40	26.0
JAN 31...	1350	290	49	14.0	AUG 29...	0930	253	38	21.0
MAR 06...	1415	1880	51	11.5					
MOBILE RIVER BASIN									
02398195 MILLS CREEK NEAR CHESTERFIELD, AL (LAT 34 26 48 LONG 085 30 00)									
JUN 06...	1620	7.3	240	20.0					
02399200 LITTLE RIVER NEAR BLUE POND, AL (LAT 34 17 16 LONG 085 35 51)									
APR 03...	1215	1320	27	12.5	AUG 09...	1300	339	31	24.0
JUN 07...	1430	38	31	21.0					
02401370 BIG CANOE CREEK NEAR SPRINGVILLE, AL (LAT 33 48 49 LONG 086 22 54)									
JUL 31...	1220	102	185	23.0					
02401390 BIG CANOE CREEK AT ASHVILLE, AL (LAT 33 50 23 LONG 086 15 46)									
APR 02...	0730	224	142	12.0	AUG 09...	0810	87	222	24.0

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS STATIONS

SPECIFIC CONDUCTANCE AND TEMPERATURE

WATER-QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	TEMPER- ATURE (DEG C)	DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	TEMPER- ATURE (DEG C)
MOBILE RIVER BASIN--Continued									
02401460 GULF CREEK NEAR ASHVILLE, AL (LAT 33 54 08 LONG 086 14 51)									
APR 02...	1200	32	95	13.0	JUL 31...	1600	13	97	23.0
02401470 LITTLE CANOE CREEK NEAR STEELE, AL (LAT 33 58 09 LONG 086 10 40)									
APR 02...	1235	39	109	14.5	SEP 17...	1345	3.5	202	21.5
02410000 PATERSON CREEK NEAR CENTRAL, AL (LAT 32 40 54 LONG 086 07 40)									
OCT 04...	0900	1.7	53	20.5	JUN 11...	1015	2.7	39	28.0
NOV 07...	1015	2.1	50	17.0	JUL 23...	1000	1.6	40	27.0
MAR 16...	0848	7.5	38	13.0					
02412000 TALLAPOOSA RIVER NEAR HELPIN, AL (LAT 33 37 22 LONG 085 31 20)									
OCT 03...	1425	106	38	18.5	JUN 13...	0940	435	40	27.0
NOV 08...	1435	159	35	15.0	JUL 26...	1015	388	50	28.0
MAR 15...	0830	717	29	13.0					
02413300 LITTLE TALLAPOOSA RIVER NEAR NEWELL, AL (LAT 33 26 14 LONG 085 23 57)									
OCT 03...	1220	103	28	19.0	MAY 03...	1150	1970	32	19.5
NOV 08...	1245	146	60	15.0	JUN 12...	1510	311	40	27.0
MAR 15...	1115	622	36	13.0	JUL 25...	1410	391	50	26.0
02414500 TALLAPOOSA RIVER AT WADLEY, AL (LAT 33 07 00 LONG 085 33 39)									
OCT 03...	0940	111	39	20.5	MAY 03...	0750	608	28	20.0
NOV 08...	0955	115	40	15.0	JUN 12...	1240	188	30	29.0
MAR 15...	1515	333	30	14.0	JUL 25...	1120	194	40	30.0
02419000 UPHAPEE CREEK NEAR TUSKEGEE, AL (LAT 32 28 36 LONG 085 41 42)									
OCT 04...	1405	60	110	24.5	JUN 14...	1520	56	80	29.0
NOV 14...	1600	115	100	16.0	JUL 27...	1030	34	60	31.0
MAR 15...	1010	376	90	13.0	SEP 06...	0925	37	70	24.0
MAY 01...	1410	214	63	22.0					
02422500 MULBERRY CREEK AT JONES, AL (LAT 32 34 58 LONG 086 54 13)									
OCT 17...	0840	106	26	18.0	APR 20...	1228	784	20	15.5
NOV 09...	0935	98	29	15.0	MAY 29...	1020	1280	22	20.0
DEC 13...	1215	547	20	11.0	JUL 10...	0901	144	28	26.0
JAN 27...	0840	675	21	10.5	AUG 14...	0857	368	22	23.0
MAR 02...	1015	453	19	7.0					

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS STATIONS

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SPECIFIC CONDUCTANCE AND TEMPERATURE

WATER-QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	TEMPER- ATURE (DEG C)	DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	TEMPER- ATURE (DEG C)
MOBILE RIVER BASIN--Continued									
02423500 CAHABA RIVER NEAR ACTON, AL (LAT 33 21 45 LONG 086 48 48)									
APR 28...	1145	569	175	15.0	JUL 30...	1240	59	245	24.5
02423647 CAHABA RIVER NEAR WEST BLOCTON, AL (LAT 33 05 53 LONG 87 03 17)									
OCT 05...	1230	98	360	25.0	APR 23...	1320	1720	145	17.5
NOV 08...	1330	87	360	18.0	JUN 12...	1400	192	270	29.0
DEC 15...	1430	1700	153	11.0	JUL 23...	1300	121	235	30.0
MAR 13...	1230	817	165	10.5	AUG 27...	1320	134	280	27.0
02424000 CAHABA RIVER AT CENTREVILLE, AL (LAT 32 56 42 LONG 087 08 21)									
OCT 04...	1250	288	245	24.0	APR 18...	1100	1440	185	16.0
NOV 17...	0955	718	220	13.0	MAY 30...	1010	1880	170	22.0
DEC 19...	1250	1690	195	9.0	JUL 13...	1100	592	185	27.0
JAN 26...	1305	5960	165	5.0	AUG 30...	1000	760	175	25.0
MAR 09...	1010	2570	145	10.0					
02425000 CAHABA RIVER NEAR MARION JUNCTION, AL (LAT 32 26 38 LONG 087 10 49)									
OCT 17...	1105	890	200	20.5	APR 16...	1030	3050	133	15.0
NOV 08...	0925	643	146	15.0	MAY 29...	1535	3280	179	21.5
JAN 26...	0835	9660	121	6.0	JUL 11...	1130	1160	193	27.0
MAR 01...	1010	5920	81	9.0					
02425200 BIG SWAMP CREEK NEAR ORRVILLE, AL (LAT 32 13 17 LONG 087 09 48)									
OCT 14...	1005	4.9	42	17.0	APR 19...	1230	18	73	16.5
NOV 21...	1015	48	61	14.0	MAY 30...	0850	24	64	18.0
DEC 13...	0940	100	51	12.0	JUL 11...	1315	2.3	92	29.0
JAN 23...	1035	76	54	4.0	AUG 14...	0945	9.0	86	24.0
MAR 13...	1100	31	69	15.0	SEP 18...	1030	1.8	90	20.0
02427700 TURKEY CREEK AT KIMBROUGH, AL (LAT 32 01 15 LONG 087 33 30)									
OCT 13...	1445	6.6	144	18.0	APR 16...	1335	88	85	15.0
NOV 23...	0745	20	67	16.0	MAY 30...	1150	30	80	19.5
DEC 13...	1155	275	69	12.0	JUL 11...	0920	7.6	98	29.0
JAN 23...	1340	147	51	4.0	AUG 15...	1420	41	72	26.0
MAR 13...	1450	91	85	15.5	SEP 19...	1445	2.7	109	23.5

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS STATIONS

SPECIFIC CONDUCTANCE AND TEMPERATURE

WATER-QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	TEMPER- ATURE (DEG C)	DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	TEMPER- ATURE (DEG C)
MOBILE RIVER BASIN--Continued									
02442500 LUXAPALLILA CREEK AT MILLPORT, AL (LAT 33 34 01 LONG 088 05 00)									
OCT 05...	1000	102	28	20.0	APR 17...	1345	350	26	14.5
NOV 16...	1005	222	46	12.0	JUN 04...	1000	177	30	19.0
DEC 20...	1035	418	34	7.0	JUL 10...	0940	128	29	24.0
JAN 24...	1025	1980	33	5.0	AUG 28...	0825	95	37	23.0
MAR 06...	0935	1410	27	9.0					
02446500 SIPSEY RIVER NR ELROD, AL (LAT 33 15 25 LONG 087 46 35)									
OCT 03...	1140	106	118	19.0	MAY 29...	1105	423	85	22.0
NOV 15...	1340	201	82	13.0	JUL 09...	1115	181	79	25.0
JAN 23...	1110	1100	71	2.0	AUG 27...	1145	100	86	25.0
APR 17...	1110	860	71	15.0					
02448500 NOXUBEE RIVER NR GEIGER, AL (LAT 32 55 06 LONG 088 17 45)									
OCT 05...	1405	130	117	23.0	APR 19...	1200	5340	140	16.0
NOV 15...	0950	108	102	13.0	JUN 05...	1150	225	145	19.0
DEC 21...	0935	1110	122	7.0	JUL 11...	1035	186	142	26.0
JAN 24...	1540	4330	128	5.0	AUG 28...	1400	122	148	25.0
MAR 07...	1405	5380	135	10.0					
02449245 BRUSH CREEK NEAR EUTAW, AL (LAT 32 49 51 LONG 087 58 56)									
OCT 06...	0920	.61	302	23.0	APR 20...	1300	115	48	15.5
NOV 18...	0925	.78	175	11.0	JUN 04...	1330	6.1	125	20.0
DEC 21...	1315	14	78	8.0	JUL 11...	1305	.94	175	26.0
JAN 25...	1130	211	48	4.0	AUG 29...	1030	1.1	179	25.0
MAR 08...	0915	75	55	8.0					
02455000 LOCUST FORK NEAR CLEVELAND, AL (LAT 34 01 28 LONG 086 34 27)									
JUN 06...	1145	126	132	23.0					
02456330 CROOKED CREEK NEAR MORRIS, AL (LAT 33 44 10 LONG 086 52 00)									
MAR 29...	1315	100	86	14.0	MAY 01...	1350	45	176	15.0
02456500 LOCUST FORK AT SAYRE, AL (LAT 33 42 35 LONG 086 59 00)									
MAY 02...	1220	3490	126	17.0	JUL 07...	1340	370	231	26.0

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS STATIONS

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SPECIFIC CONDUCTANCE AND TEMPERATURE

WATER-QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	TEMPER- ATURE (DEG C)	DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	TEMPER- ATURE (DEG C)
MOBILE RIVER BASIN--Continued									
02462000 VALLEY CREEK NEAR OAK GROVE, AL (LAT 33 26 50 LONG 087 07 20)									
OCT					APR				
06...	1145	70	625	20.0	24...	1350	324	372	18.5
NOV					JUN				
09...	1140	56	580	15.0	13...	1315	133	520	27.0
DEC					JUL				
16...	1435	417	408	11.0	24...	1215	74	527	27.5
MAR					AUG				
12...	1012	282	410	9.5	28...	1140	155	560	25.0
02465493 ELLIOTTS CREEK AT MOUNDVILLE, AL (LAT 32 59 50 LONG 087 37 20)									
OCT					APR				
04...	0845	21	23	19.0	18...	1325	47	18	16.0
NOV					MAY				
17...	1305	29	21	10.0	30...	1255	58	20	17.0
DEC					JUL				
22...	0805	66	22	8.0	12...	1405	21	24	26.0
JAN					AUG				
23...	1350	43	21	3.0	29...	1400	19	21	25.0
MAR									
08...	1255	58	21	11.0					
02469800 SATILPA CREEK NEAR COFFEEVILLE, AL (LAT 31 44 39 LONG 088 01 21)									
OCT					APR				
05...	0930	24	138	19.0	20...	1210	164	102	19.0
NOV					MAY				
22...	1450	132	58	15.0	31...	1435	97	100	18.5
DEC					JUL				
13...	1510	456	65	12.0	07...	1345	36	136	27.5
JAN					AUG				
24...	0805	343	72	8.0	15...	1140	209	80	24.0
MAR					SEP				
14...	1615	188	94	17.5	19...	1155	16	155	21.0
02471001 CHICKASAW CREEK NEAR KUSHLA, AL (LAT 30 48 10 LONG 088 08 36)									
OCT					MAR				
11...	1405	122	26	21.0	05...	1120	366	23	14.0
NOV					APR				
14...	1410	89	24	15.0	26...	1215	142	27	19.5
DEC					JUN				
14...	1310	505	24	14.0	04...	1055	116	22	20.5
JAN					JUL				
23...	1135	305	22	5.5	16...	1025	135	25	25.0
PASCAGOULA RIVER BASIN									
02479431 POND CREEK NEAR DEER PARK, AL (LAT 31 09 39 LONG 088 21 43)									
OCT					APR				
12...	1245	64	24	16.0	11...	1000	66	23	16.5
NOV					JUN				
14...	1615	3.0	20	17.0	04...	1325	2.2	18	26.0
DEC					JUL				
13...	1355	83	22	14.5	16...	1315	1.3	19	28.0
JAN					AUG				
23...	1400	40	23	6.0	20...	1530	1.0	20	28.0
MAR									
05...	1415	155	18	14.0					
TENNESSEE RIVER BASIN									
03572110 CROW CREEK AT BASS (LAT 34 56 03 LONG 085 55 03)									
OCT					AUG				
13...	1040	8.7	267	27.0	01...	1115	305	225	20.0
03575830 INDIAN CREEK NEAR MADISON, AL (LAT 34 41 50 LONG 086 42 00)									
JUN					AUG				
04...	1300	33	187	20.5	22...	1015	7.8	192	23.5



Figure 7.--Map of Alabama showing location of observation wells.

AUTAUGA COUNTY

322755086244301. Local number, Aut-1.

LOCATION.--Lat 32°27'55", long 86°24'43", Hydrologic Unit 03150201, in SE¼ sec. 12, T. 17 N., R. 16 E., 0.3 mi east of County Road 75, 0.4 mi north of County Road 2 (Cobbs Ford Road), and 3.5 mi east of Prattville.

Owner: D. Petty.

AQUIFER.--Sand of Gordo Formation of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in., depth 275 ft, screened 265 to 275 ft.

DATUM.--Altitude of land-surface datum is 355 ft. Measuring point: Top of casing, 1.70 ft above land-surface datum.

REMARKS.--None.

PERIOD OF RECORD.--January to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 114.15 ft below land-surface datum, May 4, 5, 6, 1983; lowest, 115.89 ft below land-surface datum, Sept. 10, 11, 12, 1983.

EXTREMES FOR CURRENT YEAR.--Highest water level, 114.07 ft below land-surface datum, Mar. 29, 30; lowest, 115.57 ft below land-surface datum, Sept. 23.

LOWEST WATER LEVEL FOR THE DAY, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	115.47	115.40	114.92	114.97	114.69	114.53	114.24	114.26	114.58	115.18	115.16	114.91
10	115.48	115.26	114.89	114.99	114.80	114.56	114.27	114.37	114.58	115.22	115.00	114.98
15	115.40	115.12	114.71	115.05	114.68	114.51	114.28	114.45	114.59	115.25	---	114.98
20	115.41	115.03	114.85	114.96	114.66	114.33	114.38	114.52	115.24	115.24	114.85	115.10
25	115.33	114.92	114.94	114.93	114.54	114.24	114.36	114.52	115.23	115.24	114.87	114.29
EOM	115.44	114.94	114.89	114.73	114.44	114.22	114.37	114.57	115.18	115.16	114.93	114.29
MAX	---	115.44	115.00	115.05	114.80	114.56	114.38	114.57	115.24	115.25	---	115.57

AUTAUGA COUNTY

322757086275901. Local number, Aut-2.

LOCATION.--Lat 32°27'57", long 86°27'59", Hydrologic Unit 03150201, in SW¼ sec. 9, T. 17 N., R. 16 E., at Prattville. Well located inside fenced area of Prattville Water Department maintenance shop.

Owner: City of Prattville.

AQUIFER.--Sand of Gordo Formation of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in., depth 166 ft, screened 146 to 166 ft.

DATUM.--Altitude of land-surface datum is 225 ft. Measuring point: Top of casing, 0.40 ft above land-surface datum.

REMARKS.--Water level may be affected by pumping of nearby wells.

PERIOD OF RECORD.--April to August 1984 (discontinued).

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 8.98 ft below land-surface datum, May 3, 1984; lowest, 11.12 ft below land-surface datum, July 2, 3, 1984.

EXTREMES FOR CURRENT YEAR.--Highest water level, 8.98 ft below land-surface datum, May 3; lowest, 11.12 ft below land-surface datum, July 2, 3.

LOWEST WATER LEVEL FOR THE DAY, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	10.40	10.31	9.93	9.97	9.88	9.43	9.12	9.13	10.02	11.07	10.56	
10	10.41	10.27	9.84	10.04	10.08	9.47	9.27	9.18	10.35	11.06	10.56	
15	10.36	10.21	9.75	10.08	9.95	9.37	9.32	9.25	10.67	11.02	10.50	
20	10.48	10.20	9.77	10.06	9.70	9.22	9.26	9.33	10.80	10.90	---	
25	10.41	10.12	9.79	9.80	9.57	9.12	9.60	9.54	11.00	10.94	---	
EOM	10.40	10.07	9.88	9.76	9.50	9.11	9.21	9.91	11.10	10.64	---	
MAX	---	10.39	10.08	10.47	10.08	9.50	9.60	9.91	11.10	11.12	---	

302435087414001. Local number. Bal-1.

Owner: Riviera Utilities.

AQUIFER.--Sand and gravel of Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 10 in, depth 134 ft, slotted 94 to 134 ft.

DATUM.--Altitude of land-surface datum is 76 ft. Measuring point: Top of casing, 0.70 ft above land-surface datum.

REMARKS.--Water levels affected by pumping of nearby municipal wells. Measurements made by Riviera Utilities.
PERIOD OF RECORD.--September 1949 to March 1984 (discontinued).

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 15.0 ft below land-surface datum, Oct. 13, 1959; lowest, 31.2 ft below land-surface datum, June 22, 1956.

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	---	19.81		20.40	19.90	19.42						
10	---	19.90		20.35	---	19.30						
15	---	19.99		20.30	19.88	19.12						
20	---	20.05		20.30	19.82	19.00						
25	19.70	20.20		20.15	19.70	18.85						
EOM	19.80	---		20.02	19.65	---						
MAX	---	---		---	---	---						

325622087075501. Local number. Bib-1.

LOCATION.--Lat 32°56'22", long 87°07'55", Hydrologic Unit 03150202, in SW¼ sec. 25, T. 23 N., R. 9 E., at junction of U.S. Highway 82 and State Highway 219, Centerville.

Owner: Centreville Gin and Cotton Co.

AQUIFER.--Copper Ridge Dolomite of Late Cambrian age and Chepultepec Dolomite of Early Ordovician age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 8 in, depth 404 ft, cased to 80 ft, open hole below.

DATUM.--Altitude of land-surface datum is 230.93 ft. Measuring point: Top of casing, 2.78 ft above land-surface datum.

REMARKS.--None.

PERIOD OF RECORD.--April 1948 to November 1983 (discontinued).

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 18.0 ft below land-surface datum, Apr. 2, 1951; lowest, 32.3 ft below land-surface datum, several times October and November 1954.

[illegible]

GROUND-WATER LEVELS

291

BUTLER COUNTY

314355086440501. Local number, But-3.

LOCATION.--Lat 31°43'55", long 86°44'05", Hydrologic Unit 03140303, in SW¼ sec. 23, T. 9 N., R. 13 E., at junction county roads 25 and 28, and 9 mi southwest of Greenville.

Owner: U.S. Geological Survey.

AQUIFER.--Nanafalia Formation of Paleocene age.

WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 6 in, depth 213 ft, screened 203 to 213 ft.

DATUM.--Altitude of land-surface datum is 370 ft. Measuring point: Top of casing, 1.54 ft above land-surface datum. Auxiliary measuring point: Recorder shelter floor 2.96 ft above land-surface datum.

REMARKS.--None.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 69.75 ft below land-surface datum May 14, 1976; lowest, 76.36 ft below land-surface datum, Nov. 17-19, 1983.

EXTREMES FOR CURRENT YEAR.--Highest water level, 74.03 ft below land-surface datum, Aug. 13, 14; lowest, 76.36 ft below land-surface datum, Nov. 17-19.

LOWEST WATER LEVEL FOR THE DAY, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	74.79	74.96	76.07	76.09	75.93	75.77	74.16	74.15	74.30	74.41	74.08	74.21
10	74.84	76.31	76.12	76.07	75.95	75.78	74.13	74.17	74.38	74.44	74.10	74.25
15	74.82	76.32	76.14	76.10	75.89	75.80	74.14	74.24	74.41	74.46	74.06	74.29
20	74.86	76.29	76.18	76.04	75.88	75.65	74.16	74.30	74.43	74.38	74.08	74.31
25	74.88	76.14	76.17	75.98	75.85	75.60	74.13	74.20	74.43	74.42	74.16	74.38
EOM	74.97	76.14	76.11	76.01	75.80	75.68	74.17	74.18	74.79	74.42	74.17	74.43
MAX	---	76.36	76.18	76.13	76.00	75.80	75.69	74.31	74.79	74.79	74.39	74.43

CHOCTAW COUNTY

315553088273001. Local number, Cho-1.

LOCATION.--Lat 31°55'53", long 88°27'30", Hydrologic Unit 03160201, in SW¼ sec. 11, T. 11 N., R. 5 W., at dirt road 0.05 mi north of junction with county road 14 in Melvin, 9.0 mi northeast of Gilbertown, and 17.7 mi southwest of Butler.

Owner: Ernest Land.

AQUIFER.--Nanafalia Formation of Paleocene age.

WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 6 in, depth, 1,780 ft, screened 1,760 to 1,780 ft.

DATUM.--Altitude of land-surface datum is 350 ft. Measuring point: Top of casing, 2.00 ft above land-surface datum.

REMARKS.--None.

REVISED RECORDS.--WRD AL-82-1: 1981.

PERIOD OF RECORD.--July 1981 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 98.24 ft below land-surface datum, Dec. 28, 1983; lowest, 109.45 ft below land-surface datum, Sept. 8, 1984.

EXTREMES FOR CURRENT YEAR.--Highest water level, 98.24 ft below land-surface datum, Dec. 28; lowest, 109.45 ft below land-surface datum, Sept. 8.

LOWEST WATER LEVEL FOR THE DAY, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	109.01	108.99	108.74	98.70	108.63				---	108.91	109.17	109.34
10	109.02	108.90	108.77	98.69	108.63				---	108.98	109.13	109.35
15	109.06	108.94	---	98.79	---				108.91	109.05	109.12	109.36
20	109.03	108.86	98.73	98.83	---				108.92	109.04	109.06	109.34
25	109.04	108.90	98.88	98.60	---				108.89	109.17	109.18	109.39
EOM	109.15	108.89	98.85	108.67	---				108.88	109.12	109.17	109.41
MAX	---	109.14	---	108.67	---				---	109.18	109.20	109.45

GROUND-WATER LEVELS

COLBERT COUNTY

344622087375201. Local number, Col-1.

LOCATION.--Lat 34°46'22", long 87°37'52", Hydrologic Unit 06030005, in NW¼ sec. 30, T. 3 S., R. 10 W., at Diamond Alkali Co. plant, 0.2 mi east of State Highway 133, and 2.7 mi northeast of Muscle Shoals.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Fort Payne Chert of Early Mississippian age.

WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 8 in, depth 265 ft, casing depth unknown, open hole below casing.

DATUM.--Altitude of land-surface datum is 527.8 ft. Measuring point: Top of casing, 1.00 ft above land-surface datum.

REMARKS.--None.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 4.70 ft below land-surface datum, Mar. 16, 1973; lowest, 40.30 ft below land-surface datum, Nov. 3, 1961.

EXTREMES FOR CURRENT YEAR.--Highest water level, 5.54 ft below land-surface datum, May 8; lowest, 18.41 ft below land-surface datum, Nov. 14.

LOWEST WATER LEVEL FOR THE DAY, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	16.52	18.04	7.24	8.98	10.01	9.70	8.27	7.34	11.61	14.56	15.94	17.88
10	16.98	18.28	8.15	9.57	10.36	9.48	9.09	7.10	12.48	14.83	16.45	17.98
15	16.34	17.37	7.46	9.06	9.68	9.82	9.80	8.57	13.17	15.34	16.79	17.81
20	17.03	16.41	8.56	9.12	10.01	8.38	10.39	9.50	13.82	15.56	17.18	16.60
25	17.69	12.86	8.42	8.72	10.41	8.93	10.63	10.26	13.24	15.83	17.56	16.09
EOM	17.98	11.89	8.24	9.43	9.57	8.67	9.78	10.94	13.90	15.57	17.69	16.00
MAX	18.17	18.41	12.05	9.57	10.45	9.92	10.82	10.94	13.90	15.83	17.80	18.01

DALE COUNTY

312239085344901. Local number, Dale-1.

LOCATION.--Lat 31°22'39", long 85°34'49", Hydrologic Unit 03150201, in SW¼ sec. 30, T. 5 N., R. 25 E., at Hunt Airfield (U.S. Army), 0.6 mi west of U.S. Highway 231, and 6.5 mi southeast of Ozark.

Owner: U.S. Army.

AQUIFER.--Clayton Formation of Paleocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 453 ft, screened 433 to 453 ft.

DATUM.--Altitude of land-surface datum is 245 ft. Measuring point: Top of casing, 1.70 ft above land-surface datum.

REMARKS.--None.

PERIOD OF RECORD.--October 1980 to current year.

EXTREMES OF PERIOD OF RECORD.--Highest water level 89.54 ft below land-surface datum, Mar. 17, 18, 1981; lowest, 99.27 ft below land-surface datum, Sept. 30, 1984.

EXTREMES FOR CURRENT YEAR.--Highest water level 94.44 ft below land-surface datum, May 3; lowest, 99.27 ft below land-surface datum, Sept. 30.

LOWEST WATER LEVEL FOR THE DAY, WATER YEARS OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	96.56	96.87	96.65	96.34	95.99	95.56	94.96	94.66	95.35	96.80	97.71	98.49
10	96.68	96.78	96.68	96.28	96.06	95.56	94.87	94.80	95.64	97.12	97.75	98.58
15	96.76	96.87	96.52	96.45	95.92	95.51	94.78	94.88	95.91	97.34	97.84	98.71
20	96.76	96.83	96.52	97.37	95.82	95.21	94.85	94.89	96.15	97.41	97.93	98.85
25	96.78	96.88	96.58	96.12	95.77	95.14	94.80	---	96.34	97.64	98.20	99.06
EOM	96.97	96.83	96.59	96.16	95.75	95.23	94.87	---	96.61	97.67	98.28	99.27
MAX	---	97.02	96.84	97.37	96.20	95.75	95.23	---	---	97.72	98.28	99.27

GROUND-WATER LEVELS

293

GREENE COUNTY

325005087532001. Local number, Gre-3.

LOCATION.--Lat 32°50'05", long 87°53'20", Hydrologic Unit 03160113, in SE¼ sec. 33, T. 22 N., R. 2 E., at Greene County warehouse on Roberts Street, Eutaw.

Owner: City of Eutaw.

AQUIFER.--Sand of Eutaw Formation of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 407 ft, screened 395 to 407 ft.

DATUM.--Altitude of land-surface datum is 172.14 ft. Measuring point: Top of casing, 3.43 ft above land-surface datum.

REMARKS.--Water level affected by pumping of nearby municipal wells.

PERIOD OF RECORD.--August 1952 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 35.94 ft below land-surface datum, Apr. 2, 1953; lowest, 47.93 ft below land-surface datum, Sept. 10, 1980.

EXTREMES FOR CURRENT YEAR.--Highest water level, 44.08 ft below land-surface datum, Mar. 28; lowest recorded, 47.53 ft below land-surface datum, Sept. 29.

LOWEST WATER LEVEL FOR THE DAY, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	46.51	46.42	45.67	46.68	44.53	44.56	44.34	44.32	45.15	46.01	46.02	46.14
10	46.67	46.26	45.47	46.04	45.02	44.73	44.32	44.31	45.42	46.25	46.44	46.14
15	46.45	46.21	45.28	46.14	44.83	44.73	44.32	44.47	45.53	46.92	46.52	46.63
20	46.55	46.19	45.31	45.77	44.95	44.53	44.31	44.64	45.81	47.05	46.25	46.97
25	46.30	46.05	45.65	45.80	44.66	44.30	44.40	45.22	46.20	47.00	46.83	47.18
EOM	46.38	45.87	46.92	44.82	44.56	44.84	44.39	44.71	46.29	46.23	46.22	47.31
MAX	46.73	46.42	46.92	46.98	45.08	44.84	44.77	45.22	46.40	47.22	46.83	47.53

GREENE COUNTY

325213088092301. Local number, 0-2 (USCE 135A).

LOCATION.--Lat 32°52'13", long 88°09'23", Hydrologic Unit 03160106, in SW¼ sec. 24, T. 22 N., R. 2 W., at dirt road, 0.6 mi north of Tombigbee River, and 3.2 mi north of Gainesville.

Owner: U.S. Corps of Engineers.

AQUIFER.--Sand and gravel of alluvial deposits of Quaternary age.

WELL CHARACTERISTICS.--Drilled observation water-table well, diameter 4 in, depth 38 ft, screened 28 to 38 ft.

DATUM.--Altitude of land-surface datum is 112.8 ft. Measuring point: Top of casing, 2.50 ft above land-surface datum.

REMARKS.--None.

PERIOD OF RECORD.--September 1972 to April 1975 (periodic only), June 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 0.59 ft above land-surface datum, Dec. 11, 1983; lowest, 9.98 ft below land-surface datum, Nov. 30, 1972.

EXTREMES FOR CURRENT YEAR.--Highest water level, 0.59 ft above land-surface datum, Dec. 11; lowest, 7.21 ft below land-surface datum, Sept. 28-30.

WATER LEVEL, IN FEET ABOVE (-) OR BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	6.68	6.73	4.16	2.96	2.96	2.79	2.45	2.68	4.56	6.10	5.67	6.46
10	6.79	6.68	-0.43	2.97	2.97	2.69	2.49	3.01	4.97	6.12	5.46	6.62
15	6.66	6.63	2.89	2.95	2.62	2.80	2.82	3.30	5.09	6.10	5.28	6.87
20	6.87	6.11	3.07	2.79	2.78	2.53	2.80	3.59	5.47	6.35	5.60	6.99
25	6.63	5.48	3.02	2.56	2.92	2.56	2.95	3.77	5.66	6.63	5.99	7.16
EOM	6.78	4.49	2.87	2.85	2.69	2.60	2.98	4.14	5.79	5.89	6.27	7.21
MAX	6.87	6.81	4.57	3.03	2.99	2.80	3.01	4.14	5.84	6.72	6.27	7.21

GROUND-WATER LEVELS

HALE COUNTY

324205087352801. Local number, Hal-1.

LOCATION.--Lat 32°42'05", long 87°35'28", Hydrologic Unit 03160113, in SE¼ sec. 17, t. 20 N., R. 5 E., at old city waterworks lot and about 200 ft east of State Highway 69, Greensboro.

Owner: City of Greensboro.

AQUIFER.--Sand of Eutaw Formation of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 10 in, depth 278 ft, screened 258 to 278 ft.

DATUM.--Altitude of land-surface datum is 257 ft. Measuring point: Top of casing, 1.40 ft above land-surface datum.

REMARKS.--None.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 40.12 ft below land-surface datum, Apr. 12, 1962; lowest, 62.09 ft below land-surface datum, Nov. 14-20, 1982.

EXTREMES FOR CURRENT YEAR.--Highest water level, 59.65 ft below land-surface datum, May 24-30; lowest, 61.72 ft below land-surface datum, Nov. 19-20.

LOWEST WATER LEVEL FOR THE DAY, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	61.24	61.62	61.41	60.52	60.10	60.03	59.81	59.73	59.70	60.36	61.24	61.41
10	61.30	61.65	61.26	60.42	60.11	59.99	59.77	59.69	59.78	60.51	61.25	61.47
15	61.36	61.69	61.08	60.34	60.09	59.97	59.75	59.69	59.87	60.70	61.26	61.53
20	61.41	61.72	60.96	60.26	60.08	59.95	59.74	59.67	59.98	60.85	61.27	61.57
25	61.46	61.66	60.84	60.20	60.07	59.91	59.75	59.65	60.09	61.02	61.30	61.62
EOM	61.55	61.54	60.65	60.11	60.04	59.83	59.77	59.66	60.22	61.16	61.35	61.68
MAX	61.55	61.72	61.52	60.62	60.11	60.04	59.83	59.77	60.22	61.16	61.35	61.68

HOUSTON COUNTY

310132085024001. Local number, Hou-1

LOCATION.--Lat 31°01'32", long 85°02'40", Hydrologic Unit 03130012, in SW¼NW¼ sec. 28, T. 1 N., R. 30 E., 0.15 mi west of County Road 89, 0.8 mi north-northwest of Chattahoochee State Park, and 24.7 mi southeast of Dothan.

AQUIFER.--Ocala Limestone.

WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 6 in, depth 118 ft, cased to 72 ft, open hole below.

DATUM.--Altitude of land surface datum is 130 ft. Measuring point: Top of casing, 1.80 ft above land surface datum.

REMARKS.--Water level may be affected by pumping of nearby wells.

PERIOD OF RECORD.--May 1, 1980 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 15.68 ft below land surface datum, Apr. 12-14, 1984; lowest, 27.78 ft below land surface datum, Dec. 28, 29, 1981.

EXTREMES FOR CURRENT YEAR.--Highest water level, 15.68 ft below land surface datum, Apr. 12-14; lowest, 24.10 ft below land surface datum, Nov. 22.

LOWEST WATER LEVEL FOR THE DAY, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	22.86	23.69	23.20	20.96	19.22	19.10	17.01	17.62	18.80	19.04	19.16	20.42
10	23.02	23.81	21.51	21.06	19.27	16.17	16.15	17.97	18.02	18.83	19.29	20.67
15	23.14	23.93	21.30	21.26	19.22	16.55	15.81	18.30	18.25	19.08	19.49	20.93
20	23.26	24.04	20.96	21.23	19.19	16.92	16.33	18.57	18.48	19.23	19.71	21.17
25	23.40	23.82	21.05	21.01	19.32	17.31	16.80	18.78	18.67	19.46	19.93	21.45
EOM	23.58	23.40	21.06	19.58	19.22	17.12	17.23	18.58	18.89	19.35	20.16	21.72
MAX	---	24.10	23.35	21.27	19.46	19.21	17.23	18.82	18.89	19.59	20.16	21.72

GROUND-WATER LEVELS

295

JEFFERSON COUNTY

332605086523001. Local number, Jef-1.

LOCATION.--Lat 33°26'05", long 86°52'30", Hydrologic Unit 03150202, in SW¼ sec. 29, T. 18 S., R. 3 W., at County Road 42, 1.0 mi west of Oxmoor, and 2.9 mi southeast of Midfield.

Owner: Woodward Iron Company.

AQUIFER.--Bangor Limestone of Late Mississippian age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in, depth 140 ft, cased to 68 ft open hole below.

DATUM.--Altitude of land-surface datum is 641.94 ft. Measuring point: Top of casing, 2.80 ft above land-surface datum.

REMARKS.--None.

PERIOD OF RECORD.--June 1954 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 7.75 ft below land-surface datum, Apr. 14, 1980; lowest, 83.04 ft below land-surface datum, Dec. 27, 28, 1954.

EXTREMES FOR CURRENT YEAR.--Highest water level, 8.40 ft below land-surface datum, May 4; lowest, 24.31 ft below land-surface datum, Nov. 13, 14.

LOWEST WATER LEVEL FOR THE DAY, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	22.95	23.92	14.54	12.36	12.04	12.62	10.70	9.15	14.79	18.84	19.80	22.16
10	23.23	24.11	14.17	12.82	12.67	11.82	10.30	9.54	15.73	18.43	19.87	22.45
15	22.70	24.20	13.41	12.26	12.89	12.06	10.67	10.38	16.56	19.04	20.31	22.90
20	23.11	23.99	13.65	12.05	13.19	12.27	10.96	11.44	17.26	19.55	20.73	23.13
25	23.31	21.04	13.44	10.82	13.82	12.59	10.85	12.87	17.66	20.12	21.29	23.55
EOM	23.72	17.80	12.32	11.57	13.02	12.01	9.94	13.85	18.29	20.35	21.72	23.86
MAX	23.72	24.31	17.66	12.87	13.85	12.96	11.96	13.85	18.29	20.35	21.72	23.86

LIMESTONE COUNTY

344819086581601. Local number, Lim-4.

LOCATION.--Lat 34°48'19", long 86°58'16", Hydrologic Unit 06030002, in SE¼ sec. 5, T. 3 S., R. 4 W., at City Hall on Bryan Street, Athens.

Owner: City of Athens.

AQUIFER.--Fort Payne Chert of Early Mississippian age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in, depth 143 ft, cased to 52 ft, open hole below.

DATUM.--Altitude of land-surface datum is 711 ft. Measuring point: Top of casing, 0.50 ft above land-surface datum.

REMARKS.--None.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 10.01 ft below land-surface datum, Mar. 21, 1980; lowest, 43.09 ft below land-surface datum, Nov. 1, 1968.

EXTREMES FOR CURRENT YEAR.--Highest water level, 10.90 ft below land-surface datum, May 3; lowest, 19.22 ft below land-surface datum, Oct. 10.

LOWEST WATER LEVEL FOR THE DAY, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	18.96	18.38	12.95	16.06	17.35	16.78	12.18	11.71	16.25	16.80	17.90	18.12
10	19.22	18.37	13.57	16.57	17.36	16.74	13.15	11.94	16.80	16.27	17.77	18.40
15	18.37	18.56	15.37	16.69	16.91	16.77	13.97	13.63	17.15	16.69	18.49	18.83
20	18.49	17.83	16.45	16.76	17.20	15.62	14.65	14.60	17.56	17.20	18.44	18.70
25	18.37	16.72	16.52	16.11	17.60	15.40	13.39	15.15	16.92	17.84	18.32	18.73
EOM	18.54	15.52	15.88	16.90	17.32	14.94	13.35	15.54	16.80	17.67	18.45	18.90
MAX	19.22	19.04	16.64	17.04	17.72	17.26	15.38	15.54	17.67	18.16	18.60	18.99

GROUND-WATER LEVELS

MADISON COUNTY

344127086350401. Local number, Mad-2.

LOCATION.--Lat 34°41'27", long 86°35'04", Hydrologic Unit 06030002, in NW¼ sec. 13, T. 4 S., R. 1 W., at northeast end of northeast-southwest runway at Huntsville airport and 3.0 mi southeast of Huntsville.

Owner: City of Huntsville.

AQUIFER.--Fort Payne Chert of Early Mississippian age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in, depth 168 ft, cased to 56 ft, open hole below.

DATUM.--Altitude of land-surface datum is 613 ft. Measuring point: Top of casing, 1.00 ft above land-surface datum.

REMARKS.--None.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 19.13 ft below land-surface datum, Jan. 31, 1962; lowest, 44.30 ft below land-surface datum, Sept. 13, 1962.

EXTREMES FOR CURRENT YEAR.--Highest water level, 26.13 ft below land-surface datum, Dec. 6; lowest, 37.67 ft below land-surface datum, July 29.

LOWEST WATER LEVEL FOR THE DAY, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	37.02	37.04	26.88	31.25	34.25	35.60	31.16	30.45	35.40	37.28	33.77	35.54
10	37.24	37.18	28.37	33.11	35.16	35.61	31.75	28.25	35.79	37.03	33.13	35.89
15	37.18	37.24	30.29	32.51	33.07	36.34	33.20	30.43	36.28	37.38	33.51	36.29
20	36.94	37.05	32.17	32.57	34.16	34.70	34.49	32.00	36.70	37.43	34.44	36.51
25	36.98	36.49	31.47	31.75	35.41	33.59	33.35	33.55	36.87	37.63	35.03	36.68
EOM	37.17	34.44	29.16	32.88	35.10	31.37	33.17	34.65	37.18	37.23	35.06	36.85
MAX	37.24	37.29	34.22	33.13	35.52	36.42	34.72	34.65	37.18	37.67	35.35	36.85

MARENGO COUNTY

321520087373001. Local number, Mag-2.

LOCATION.--Lat 32°15'20", long 87°37'30", Hydrologic Unit 03160201, in NE¼ sec. 24, T. 15 N., R. 4 E., at Thomaston Prison, and 0.6 mi south of Thomaston.

Owner: State of Alabama.

AQUIFER.--Sand of Eutaw Formation of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 1,222 ft, cased to 20 ft, open hole 20 to 1,202 ft, screened 1,202 to 1,222 ft.

DATUM.--Altitude of land-surface datum is 154 ft. Measuring point: Top of casing, 1.00 ft above land-surface datum.

REMARKS.--None.

PERIOD OF RECORD.--April 1954 to March 1984 (discontinued).

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 7.83 ft below land-surface datum, Mar. 30, 1954; lowest, 24.04 ft below land-surface datum, Aug. 18, 1983.

LOWEST WATER LEVEL FOR THE DAY, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	22.73	22.42	21.82	21.74	24.72	24.56						
10	22.74	22.28	21.86	21.72	24.66	---						
15	22.73	22.18	21.83	21.83	24.67	---						
20	22.74	22.05	21.85	21.86	24.67	---						
25	22.80	22.00	21.94	21.72	24.67	---						
EOM	22.62	21.94	21.92	24.73	24.70	---						
MAX	---	22.59	21.95	24.73	24.81	---						

GROUND-WATER LEVELS

297

MARENGO COUNTY

323055087504101. Local number, Mag-1.

LOCATION.--Lat 32°30'55", long 87°50'41", Hydrologic Unit 03160201, in SW¼ sec. 24, T. 18 N., R. 2 E., at J. C. Webb Compress Co., Demopolis.

Owner: J. C. Webb Compress Co.

AQUIFER.--Sand of Eutaw Formation of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 900 ft, slotted 860 to 900 ft.

DATUM.--Altitude of land-surface datum is 110 ft. Measuring point: Top of casing, 1.2 ft above land-surface datum (corrected).

REMARKS.--Water levels affected by pumping of nearby wells.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 0.15 ft below land-surface datum, Feb. 26, 1954; lowest, 26.85 ft below land-surface datum, Sept. 12, 1979.

EXTREMES FOR CURRENT YEAR.--Highest recorded water level, 12.63 ft below land-surface datum, Dec. 11; lowest recorded, 24.78 ft below land-surface datum, Jul. 16.

LOWEST WATER LEVEL FOR THE DAY, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	17.26	15.88	14.43	19.44	17.93	16.66	13.91	13.21	14.73	23.38	---	19.33
10	17.21	14.96	13.01	19.19	17.90	16.63	13.69	13.51	14.94	23.06	19.42	19.26
15	17.23	14.65	16.52	19.43	17.01	17.90	13.99	14.29	16.85	24.53	18.88	18.04
20	17.28	14.84	16.60	19.97	16.90	17.35	13.92	14.72	17.60	---	18.89	18.36
25	17.16	14.56	16.94	19.88	17.03	17.07	14.02	14.44	21.22	---	19.43	18.43
EOM	16.97	14.46	19.43	18.36	16.79	16.82	13.35	14.50	23.37	---	19.54	18.93
MAX	---	16.95	19.43	20.24	18.33	17.90	16.79	14.72	23.37	---	---	19.82

MARION COUNTY

335803087551301. Local number, Mar-1.

LOCATION.--Lat 33°58'03", long 87°55'13", Hydrologic Unit 03160103, in SE¼ sec. 32, T. 12 S., R. 13 W., at 15th Street, and 0.35 mi west of U.S. Highway 78, Guin.

Owner: M. M. Burleson.

AQUIFER.--Sandstone of Pottsville Formation of Early and Middle Pennsylvanian age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in, depth 520 ft, cased to 80 ft, open hole below.

DATUM.--Altitude of land-surface datum is 452 ft. Measuring point: Top of casing, 1.00 ft above land-surface datum.

REMARKS.--None.

PERIOD OF RECORD.--March 1952 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 3.6 ft below land-surface datum, Mar. 31, 1972; lowest, 11.76 ft below land-surface datum, Nov. 10, 1954.

EXTREMES FOR CURRENT YEAR.--Highest water level, 5.04 ft below land-surface datum, May 3; lowest, 6.95 ft below land-surface datum, Oct. 31, Nov. 1.

LOWEST WATER LEVEL FOR THE DAY, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	6.68	6.87	6.31	6.00	6.15	5.64	5.49	5.30	5.60	5.97	6.41	6.73
10	6.73	6.75	6.38	5.99	6.14	5.77	5.55	5.27	5.79	6.13	6.38	6.68
15	6.76	6.78	6.31	6.10	6.11	5.80	5.60	5.47	5.81	6.18	6.46	6.78
20	6.75	6.73	6.35	6.12	5.82	5.52	5.64	5.36	5.83	6.20	6.41	6.79
25	6.83	6.71	6.46	5.83	5.84	5.64	5.62	5.51	5.90	6.34	6.63	6.87
EOM	6.95	6.71	6.34	5.95	5.86	5.70	5.59	5.60	5.91	6.31	6.59	6.91
MAX	6.95	6.95	6.73	6.27	6.33	5.86	5.72	5.63	5.92	6.35	6.64	6.92

GROUND-WATER LEVELS

MARSHALL COUNTY

341837086294301. Local number, Mal-4.

LOCATION.--Lat 34°18'37", long 86°29'43", Hydrologic Unit 03160109, in SE¼ sec. 26, T. 8 S., R. 1 E., at U.S. Highway 231, and 0.6 mi south of Arab.

Owner: City of Arab.

AQUIFER.--Sandstone of Pottsville Formation of Early and Middle Pennsylvanian age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 8 in, depth 362 ft, cased to 100 ft, open hole below.

DATUM.--Altitude of land-surface datum is 1,080 ft. Measuring point: Top of casing, at land-surface datum.

REMARKS.--None.

PERIOD OF RECORD.--January 1962 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 49.50 ft below land-surface datum, May 3, 1984; lowest, 78.72 ft below land-surface datum, Dec. 6, 1978.

EXTREMES FOR CURRENT YEAR.--Highest water level, 49.50 ft below land-surface datum, May 3; lowest, 56.14 ft below land-surface datum, Oct. 13.

LOWEST WATER LEVEL FOR THE DAY, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	55.78	55.94	52.45	50.87	50.90	51.11	50.78	50.01	51.89	53.30	52.93	53.35
10	56.12	55.85	52.12	50.74	51.15	51.19	50.97	50.40	52.08	53.20	52.63	53.58
15	55.97	55.91	51.96	50.79	51.04	51.46	51.08	50.91	52.45	53.52	52.57	53.44
20	55.59	54.71	51.96	50.82	51.13	51.18	50.82	51.12	53.00	53.83	52.64	54.06
25	55.71	54.07	52.88	50.53	51.36	51.38	50.72	51.22	53.12	54.14	52.80	54.68
EOM	55.99	53.50	51.35	50.85	51.29	51.28	50.65	51.85	53.01	54.15	53.22	54.34
MAX	56.14	56.13	53.45	51.18	51.36	51.56	51.27	51.85	53.19	54.31	53.82	54.68

MONTGOMERY COUNTY

322040086232501. Local number, Mtg-4.

LOCATION.--Lat 32°20'40", long 86°23'25", Hydrologic Unit 03150201, in SW¼ sec. 20, T. 16 N., R. 17 E., at County Road 54, 1.0 mi southwest of intersection with U.S. Highway 31, and 6.0 mi southwest of Montgomery.

Owner: City of Montgomery.

AQUIFER.--Sand of Gordo Formation of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in, depth 446 ft, screened 408 to 413 ft, 424 to 429 ft, 441 to 446 ft.

DATUM.--Altitude of land-surface datum is 152.8 ft. Measuring point: Top of casing, 1.00 ft above land-surface datum.

REMARKS.--Water levels affected by pumping of nearby wells. Wells were pumped only periodically January to July.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 39.5 ft below land-surface datum, Apr. 28, 1982; lowest, 135.1 ft below land-surface datum, Oct. 2, 3, 1955.

EXTREMES FOR CURRENT YEAR.--Highest water level, 47.20 ft below land-surface datum, Dec. 23; lowest, 82.03 ft below land-surface datum, Sept. 25.

LOWEST WATER LEVEL FOR THE DAY, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	53.66	---	50.99	---	53.48	58.07	49.46	54.21	---	70.17	---	78.88
10	---	---	51.20	---	57.51	60.38	51.65	54.22	---	---	---	79.17
15	---	53.57	49.70	---	57.38	60.39	53.34	57.45	---	---	69.09	79.93
20	---	52.70	48.69	---	56.91	60.48	53.28	---	---	---	69.36	79.07
25	---	51.53	47.99	---	56.91	60.48	54.97	---	---	---	73.84	82.03
EOM	---	50.44	55.98	51.94	56.72	60.48	52.77	---	69.48	---	76.55	78.03
MAX	---	---	56.02	---	57.52	60.48	60.48	---	---	---	---	82.03

MONTGOMERY COUNTY

322047086214301. Local number, Mtg-3.

LOCATION.--Lat 32°20'47", long 86°21'43", Hydrologic Unit 03150201, in SE¼ sec. 21, T. 16 N., R. 17 E., at Lomax School on Hayneville Road, 0.5 mi northeast of intersection with U.S. Highway 31, and 4.5 mi southwest of Montgomery.

Owner: County of Montgomery.

AQUIFER.--Sand of Eutaw Formation of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 6 in, depth 270 ft, screened 210 to 215 ft, 220 to 225 ft, 265 to 270 ft.

DATUM.--Altitude of land-surface datum is 167.2 ft. Measuring point: Top of casing, 1.00 ft above land-surface datum.

REMARKS.--Water levels affected by pumping of nearby wells.

PERIOD OF RECORD.--August 1952 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 11.9 ft below land-surface datum, Mar. 17, 1968; lowest, 31.3 ft below land-surface datum, Oct. 1, 1955.

EXTREMES FOR CURRENT YEAR.--Highest water level, 14.39 ft below land-surface datum, Apr. 5; lowest, 20.54 ft below land-surface datum, Sept. 23.

LOWEST WATER LEVEL FOR THE DAY, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	19.35	19.71	18.85	17.27	16.05	15.25	14.42	16.33	18.21	20.18	17.75	19.34
10	19.65	19.72	18.27	16.96	16.49	15.81	14.74	15.99	19.30	19.88	17.00	19.32
15	19.75	19.57	17.55	15.90	15.60	16.12	15.05	16.73	19.45	20.21	16.98	19.75
20	20.23	19.43	17.33	15.39	15.03	16.01	15.82	17.34	19.40	19.84	17.67	19.86
25	20.08	19.13	17.57	15.43	15.63	15.51	16.47	17.80	19.81	20.33	18.53	20.48
EOM	19.61	18.71	18.00	15.69	15.19	14.90	16.49	17.62	20.00	19.78	19.07	20.24
MAX	---	19.77	18.85	17.89	16.49	16.18	16.58	18.00	20.03	20.41	19.57	20.54

MONTGOMERY COUNTY

322455086140501. Local number, Mtg-5.

LOCATION.--Lat 32°24'55", long 86°14'05", Hydrologic Unit 03150201, in NW¼ sec. 35, T. 17 N., R. 18 E., at Gunter Air Force Base, on U.S. Highway 231, and 4.7 mi northeast of Montgomery.

Owner: U.S. Air Force.

AQUIFER.--Sand of Gordo Formation of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 8 in, depth 232 ft, screened 215 to 232 ft.

DATUM.--Altitude of land-surface datum is 220.8 ft. Measuring point: Top of casing, 1.80 ft above land-surface datum.

REMARKS.--None.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 82.78 ft below land-surface datum, Mar. 29, 1972; lowest, 116.97 ft below land-surface datum, Sept. 16, 24, 1963.

EXTREMES FOR CURRENT YEAR.--Highest water level, 87.93 ft below land-surface datum, June 23, 24; lowest, 93.51 ft below land-surface datum, Oct. 6-8.

LOWEST WATER LEVEL FOR THE DAY, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	93.49	93.10	92.34	90.85	90.41	89.81	88.71	88.29	87.97	88.10	88.43	88.63
10	93.47	92.98	92.21	90.68	90.38	89.79	88.66	88.32	87.99	88.22	88.51	88.72
15	93.38	92.87	91.89	90.63	90.19	89.71	88.59	88.24	87.98	88.29	88.52	88.79
20	93.30	92.76	91.69	---	90.09	89.53	88.59	88.17	87.98	88.38	88.52	88.85
25	93.19	92.67	91.51	---	90.00	89.39	88.53	88.05	87.95	88.57	88.61	88.94
EOM	93.22	92.58	91.17	90.56	89.94	89.43	88.48	88.00	87.99	88.54	88.58	88.97
MAX	---	93.21	92.56	---	90.56	89.94	89.43	88.49	88.00	88.63	88.64	88.97

GROUND-WATER LEVELS

PICKENS COUNTY

330116088113101. Local number AA-48 (GW12A).

LOCATION.--Lat 33°01'16", long 88°11'31", Hydrologic Unit 03160106, in NW¼ sec. 34, T. 24 N., R. 2 W., at west side of County Road 13, 5.25 mi southwest of State Highway 14, 0.30 mi north of Tombigbee River, and 8.20 mi south-southwest of Aliceville.

Owner: Corps of Engineers.

AQUIFER.--Sand of Eutaw Formation of Cretaceous age.

WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 4 in, depth 91 ft, screened 71 to 91 ft.

DATUM.--Altitude of land-surface datum is 135.6 ft. Measuring point: Top of casing, 1.50 ft above land-surface datum.

REMARKS.--None.

PERIOD OF RECORD.--September 1974 to January 11, 1978 (periodic only), March 1978 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 12.39 ft below land-surface datum, Dec. 9-10, 1983; lowest, 23.26 ft below land-surface datum, Oct. 3, 1977.

EXTREMES FOR CURRENT YEAR.--Highest water level, 12.39 ft below land-surface datum, Dec. 9-10; lowest recorded, 15.52 ft below land-surface datum, Nov. 11-13.

LOWEST WATER LEVEL FOR THE DAY, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	---	15.49	14.19	14.52	14.66	14.64	14.26	13.86	14.94	15.25	15.26	15.24
10	---	15.49	12.70	14.62	14.70	14.53	14.49	14.15	15.03	15.12	15.20	15.24
15	---	15.49	14.24	14.56	14.53	14.67	14.61	14.59	15.11	15.09	15.21	15.24
20	15.42	15.34	14.60	14.63	14.64	14.61	14.58	14.72	15.18	15.16	15.23	15.24
25	15.43	15.17	14.61	14.49	14.69	14.60	14.55	14.75	15.18	15.27	15.24	15.25
EOM	15.50	15.11	14.12	14.63	14.57	14.58	14.02	14.85	15.20	15.27	15.24	15.25
MAX	---	15.52	15.14	14.64	14.70	14.67	14.66	14.85	15.24	15.32	15.28	15.25

PICKENS COUNTY

330242088110501. Local number, AA-57 (USCE GW 12E)

LOCATION.--Lat 33°02'42", long 88°11'05", Hydrologic Unit 03160106, in SE¼ sec. 22, T. 24 N., R. 2 W., at west side of dirt road, 0.40 mi northwest of County Road 13, 3.90 mi southwest of State Highway 14, 0.90 mi east of Tombigbee River, and 5.80 mi south-southwest of Aliceville.

Owner: U.S. Corps of Engineers.

AQUIFER.--Sand and gravel of alluvial deposits of quaternary age.

WELL CHARACTERISTICS.--Drilled observation water-table well, diameter 4 in, depth 14 ft, screened 9 to 14 ft.

DATUM.--Altitude of land-surface datum is 115 ft. Measuring point: Top of casing, 2.00 ft above land-surface datum.

REMARKS.--Water level affected by stage of Tombigbee River. Float for water-level recorder may reach maximum extent of travel at floor of recorder housing during periods of high river stage. The highest water level that can be recorded is 1.77 to 1.78 ft above land-surface datum.

PERIOD OF RECORD.--June 1980 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 1.77 ft (or greater) above land-surface datum many days in some years; lowest water level, 1.44 ft below land-surface datum, Oct. 5, 1981.

EXTREMES FOR CURRENT YEAR.--Highest water level, 1.77 ft (or greater) above land-surface datum, on several days from Apr. 28-May 12 (see remarks); lowest water level, 1.10 ft below land-surface datum, Dec. 5-6.

WATER LEVEL, IN FEET ABOVE (-) OR BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	---	-0.12	1.10	-1.61	-1.57	-1.48	-1.58	-1.77	-1.11	-0.74	-0.80	-0.32
10	---	-0.10	-1.75	-1.68	-1.53	-1.53	-1.57	-1.77	-1.05	-0.86	-0.79	-0.30
15	---	-0.12	-1.75	-1.64	-1.56	-1.44	-1.47	-1.40	-1.06	-0.87	-0.68	-0.18
20	-0.11	-0.16	-1.75	-1.61	-1.54	-1.45	-1.50	-1.35	-0.92	-0.76	-0.64	-0.09
25	-0.16	-0.26	-1.75	-1.66	-1.48	-1.45	-1.38	-1.26	-0.82	-0.65	-0.50	-0.05
EOM	-0.12	-0.26	-1.75	-1.61	-1.49	-1.44	-1.70	-1.18	-0.85	-0.79	-0.41	-0.03
MAX	---	-0.09	1.10	-1.50	-1.47	-1.42	-1.38	-1.18	-0.73	-0.64	-0.41	-0.02

GROUND-WATER LEVELS

301

PICKENS COUNTY.

331107088180301. Local number, P-25 (USCE GW 21A).

LOCATION.--Lat 33°11'07", long 88°18'03", Hydrologic Unit 03160106, in SW¼ sec. 34, T. 21 S., R. 17 W., at west side of dirt road, 1.8 mi east of Sardis Church in Mississippi, 0.7 mi west of Big Creek cutoff (Tombigbee River), and 3.5 mi southwest of Pickensville.

Owner: U.S. Corps of Engineers.

AQUIFER.--Sand of Eutaw Formation of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 4 in, depth 137 ft, screened 117 to 137 ft.

DATUM.--Altitude of land-surface datum is 139.8 ft. Measuring point: Top of casing, 1.70 ft above land-surface datum.

REMARKS.--None.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 0.53 ft below land-surface datum, May 24, 1983; lowest, 6.08 ft below land-surface datum, Oct. 30, 31, Nov. 3, 1978.

EXTREMES FOR CURRENT YEAR.--Highest water level, 1.23 ft below land-surface datum, Dec. 8; lowest, 4.63 ft below land-surface datum, Sept. 30.

LOWEST WATER LEVEL FOR THE DAY, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	4.17	4.23	3.44	3.18	3.26	3.27	3.29	3.18	3.51	3.93	4.18	4.43
10	4.21	4.23	3.13	3.20	3.30	3.29	3.27	3.14	3.59	3.98	4.14	4.47
15	4.17	4.16	3.15	3.19	3.25	3.32	3.34	3.22	3.69	4.04	4.16	4.52
20	4.22	3.94	3.19	3.21	3.27	3.27	3.26	3.32	3.79	4.12	4.23	4.55
25	4.19	3.76	3.22	3.16	3.32	3.29	3.32	3.39	3.84	4.19	4.32	4.59
EOM	4.24	3.67	3.19	3.24	3.29	3.35	3.22	3.41	3.85	4.24	4.37	4.63
MAX	4.24	4.25	3.67	3.24	3.32	3.35	3.40	3.42	3.89	4.24	4.37	4.63

PICKENS COUNTY

331107088180302. Local number, P-26 (USCE GW 21B).

LOCATION.--Lat 33°11'07", long 88°18'03", Hydrologic Unit 03160106, in SW¼ sec. 34, T. 21 S., R. 17 W., at west side of dirt road, 1.8 mi east of Sardis Church in Mississippi, 0.7 mi west of Big Creek cutoff (Tombigbee River), and 3.5 mi southwest of Pickensville.

Owner: U.S. Corps of Engineers.

AQUIFER.--Sand of alluvial deposits of Quaternary age.

WELL CHARACTERISTICS.--Drilled observation water-table well, diameter 4 in, depth 14 ft, screened 9 to 14 ft.

DATUM.--Altitude of land-surface datum is 139.8 ft. Measuring point: Top of casing, 2.00 ft above land-surface datum.

REMARKS.--None.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 0.09 ft above land-surface datum, Mar. 31, 1976; lowest, 13.51 ft below land-surface datum, Dec. 29-31, 1978 and Jan. 3-5, 1981.

EXTREMES FOR CURRENT YEAR.--Highest water level, 0.32 ft below land-surface datum, May 3; lowest, 9.52 ft below land-surface datum, Nov. 17.

LOWEST WATER LEVEL FOR THE DAY, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	8.95	9.43	8.76	6.41	3.80	2.31	1.50	.98	3.79	6.21	7.53	8.15
10	9.05	9.46	8.45	6.03	3.69	2.13	1.66	1.50	4.26	6.48	7.56	8.24
15	9.14	9.50	7.97	5.49	2.30	2.53	2.12	2.39	4.84	6.71	7.63	8.40
20	9.28	9.45	7.68	5.96	2.51	2.05	2.03	2.82	5.28	6.95	7.72	8.49
25	9.33	9.34	7.37	3.84	2.95	1.82	1.92	3.26	5.66	7.23	7.86	8.62
EOM	9.40	9.10	6.87	3.73	2.47	2.05	1.04	3.31	5.90	7.43	8.00	8.73
MAX	9.40	9.52	9.08	6.77	4.02	2.58	2.57	3.51	5.90	7.43	8.00	8.73

GROUND-WATER LEVELS

PICKENS COUNTY

331351088175001. Local number P-19 (USCE 122A).

LOCATION.--Lat 33°13'51", long 88°17'50", Hydrologic Unit 03160106, in SE¼ sec. 15, T. 21 N., R. 17 W., at south side of dirt road, 0.17 mi west of Pickensville cutoff (Tombigbee River), and 1.8 mi west of Pickensville.

Owner: U.S. Corps of Engineers.

AQUIFER.--Sand of Eutaw Formation of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 4 in, depth 135 ft, screened 125 to 135 ft.

DATUM.--Altitude of land-surface datum is 140 ft. Measuring point: Top of casing, 1.40 ft above land-surface datum.

REMARKS.--Float reaches highest point of travel at float stop installed during water year 1983, 1.23 ft above land-surface datum.

PERIOD OF RECORD.--October 1972 to May 1977 (periodic only), March 1978 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 1.38 ft above land-surface datum, Apr. 14, 1983; lowest, 4.14 ft below land-surface datum, Nov. 14, 15, 16, 1978.

EXTREMES FOR CURRENT YEAR.--Highest water level, 1.23 ft (or greater) above land-surface datum on several days from Dec. 4-31 (see remarks); lowest, 0.11 ft above land-surface datum, Sept. 28-30.

WATER LEVEL, IN FEET ABOVE (-) OR BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	-0.49	-0.59	-1.23	-1.19	-1.06	-1.10	-1.09	-1.15	-0.76	-0.56	-0.45	-0.24
10	-0.48	-0.59	-1.23	-1.14	-1.04	-1.07	-1.06	-1.08	-0.71	-0.54	-0.50	-0.22
15	-0.55	-0.55	-1.23	-1.11	-1.14	-1.03	-1.00	-0.96	-0.64	-0.55	-0.46	-0.18
20	-0.56	-0.74	-1.21	-1.08	-1.10	-1.08	-1.07	-0.91	-0.58	-0.49	-0.41	-0.16
25	-0.61	-0.87	-1.15	-1.17	-1.04	-1.05	-0.99	-0.89	-0.57	-0.43	-0.32	-0.13
EOM	-0.58	-0.91	-1.21	-1.09	-1.08	-1.00	-1.10	-0.83	-0.60	-0.38	-0.31	-0.11
MAX	-0.48	-0.53	-0.90	-1.08	-1.03	-1.00	-0.96	-0.83	-0.54	---	-0.31	-0.11

PICKENS COUNTY

331351088175002. Local number, P-20 (USCE 122B)

LOCATION.--Lat 33°13'51", Long 88°17'50", Hydrologic Unit 03160106, in SE¼ sec. 15, T. 21 S., R. 17 W., at south side of dirt road, 0.17 mi west of Pickensville Cutoff (Tombigbee River), and 1.80 mi west of Pickensville.

Owner: U.S. Corps of Engineers.

AQUIFER.--Sand and gravel of alluvial deposits of Quaternary age.

WELL CHARACTERISTICS.--Drilled observation water-table well, diameter 4 in, depth 30 ft, screened 25 to 30 ft.

DATUM.--Altitude of land-surface datum is 139.81 ft. Measuring point: Top of casing, 1.2 ft above land-surface datum.

REMARKS.--None.

PERIOD OF RECORD.--October 1972 to November 1973 (periodic only), April 1974 to August 1976, December 1979 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 0.97 ft above land-surface datum Dec. 8, 1983; lowest, 12.12 ft below land-surface datum, Nov. 30, 1972.

EXTREMES FOR CURRENT YEAR.--Highest water level, 0.97 ft above land-surface datum, Dec. 8; lowest, 8.74 ft below land-surface datum, Sept. 29-30.

LOWEST WATER LEVEL FOR THE DAY, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	8.14	8.04	1.67	---	2.02	1.56	1.94	1.86	3.79	6.58	7.33	8.18
10	8.27	8.03	1.48	---	2.01	1.86	2.00	2.01	4.35	6.76	7.09	8.31
15	7.96	8.03	---	---	1.80	2.01	2.24	2.34	5.06	6.86	7.14	8.47
20	8.10	7.57	---	---	1.89	1.81	1.92	2.59	5.79	7.10	7.46	8.58
25	7.89	4.56	---	1.74	2.01	1.97	2.31	2.76	6.16	7.46	7.78	8.69
EOM	8.00	3.98	---	1.89	1.85	2.10	1.94	3.13	6.21	7.71	7.98	8.74
MAX	8.27	8.10	---	---	2.02	2.10	2.40	3.13	6.45	7.71	7.98	8.74

GROUND-WATER LEVELS

303

SUMTER COUNTY

325212088121601. Local number, F-9 (131A).

LOCATION.--Lat 32°52'12", long 88°12'16", Hydrologic Unit 03160106, in SW¼ sec. 21, T. 22 N., R. 2 W., at east side County Road 85, 0.10 mi southwest of Springhill Church, 1.35 mi east of Tombigbee River, and 4.2 mi northwest of Gainesville.

Owner: U.S. Corps of Engineers.

AQUIFER.--Sand of Eutaw Formation of Cretaceous age.

WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 4 in, depth 390 ft, slotted 370 to 390 ft.

DATUM.--Altitude of land-surface datum is 140.6 ft. Measuring point: Top of casing, 1.60 ft above land-surface datum.

REMARKS.--None.

PERIOD OF RECORD.--October 1972 to January 1978 (periodic only), March 1978 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 12.37 ft below land-surface datum, Apr. 2, 1973; lowest, 16.47 ft below land-surface datum, Sept. 17-18, 27-30, 1984.

EXTREMES FOR CURRENT YEAR.--Highest water level, 15.18 ft below land-surface datum, Dec. 14; lowest, 16.47 ft below land-surface datum, Sept. 17-18, 27-30.

LOWEST WATER LEVEL FOR THE DAY, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	16.03	16.05	15.71	15.58	15.77	15.44	15.38	15.30	15.65	15.91	16.10	16.33
10	16.05	16.06	15.48	15.63	15.68	15.47	15.39	15.31	15.75	15.97	16.00	16.28
15	16.10	16.06	15.27	15.71	15.58	15.47	15.44	15.38	15.76	15.99	16.07	16.42
20	16.07	15.97	15.32	15.80	15.53	15.31	15.42	15.42	15.84	16.09	16.14	16.43
25	16.04	15.89	15.62	15.83	15.51	15.33	15.43	15.49	15.79	16.13	16.19	16.42
EOM	16.09	15.82	15.64	15.97	15.49	15.40	15.43	15.61	15.84	16.12	16.24	16.47
MAX	16.10	16.15	15.82	15.98	15.92	15.49	15.47	15.61	15.88	16.16	16.24	16.47

SUMTER COUNTY

325215088111301. Local number, F-10 (USCE 132A).

LOCATION.--Lat 32°52'15", long 88°11'13", Hydrologic Unit 03160106, in SW¼ sec. 22, T. 22 N., R. 2 W., at north side of dirt road, 1.0 mi east of Springhill Church, 0.35 mi east of Tombigbee River, and 3.7 mi northwest of Gainesville.

Owner: U.S. Corps of Engineers.

AQUIFER.--Sand of Eutaw Formation of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 4 in, depth 370 ft, slotted 350 to 370 ft.

DATUM.--Altitude of land-surface datum is 162.82 ft. Measuring point: Top of casing, 2.00 ft above land-surface datum.

REMARKS.--None.

PERIOD OF RECORD.--October 1972 to March 1973 (periodic only), March 1973 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 34.18 ft below land-surface datum, Mar. 27, 1973; lowest, 39.73 ft below land-surface datum, Sept. 30, 1984.

EXTREMES FOR CURRENT YEAR.--Highest water level, 38.09 ft below land-surface datum, Dec. 11; lowest recorded, 39.73 ft below land-surface datum, Sept. 30.

LOWEST WATER LEVEL FOR THE DAY, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	39.41	39.53	39.15	38.86	38.91	38.85	38.77	38.76	39.14	39.27	39.40	39.55
10	39.44	39.51	38.27	38.88	38.91	38.87	38.76	38.85	39.21	39.29	39.35	39.57
15	39.45	39.53	38.68	38.95	38.84	38.90	38.81	38.94	39.20	39.28	39.33	39.64
20	39.50	39.42	38.85	38.94	38.87	38.77	38.82	38.96	39.25	39.33	39.37	39.66
25	39.50	39.34	38.93	38.81	38.90	38.81	38.88	39.01	39.21	39.43	39.47	39.70
EOM	39.57	39.27	38.89	38.89	38.89	38.86	38.86	39.10	39.25	39.39	39.49	39.73
MAX	39.57	39.57	39.27	38.95	38.95	38.90	38.89	39.10	39.26	39.44	39.49	39.73

GROUND-WATER LEVELS

TUSCALOOSA COUNTY

331045087342501. Local number, Tus-4.

LOCATION.--Lat 33°10'45", long 87°34'25", Hydrologic Unit 03160113, in NW¼ sec. 34, T. 21 S., R. 10 W., at dirt road, 0.2 mi southeast of City Water Works Filter Plant South, and 1.0 mi southwest of Greensboro Avenue, Tuscaloosa.

Owner: City of Tuscaloosa.

AQUIFER.--Sand of Coker Formation of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in, depth 83 ft, screened 77 to 83 ft.

DATUM.--Altitude of land-surface datum is 160 ft. Measuring point: Top of casing, 1.60 ft above land-surface datum.

REMARKS.--Water levels affected by pumping of nearby wells.

PERIOD OF RECORD.--August 1962 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 17.34 ft below land-surface datum, Apr. 13, 1980; lowest, 35.9 ft below land-surface datum, Dec. 5, 1969.

EXTREMES FOR CURRENT YEAR.--Highest water level, 17.95 ft below land-surface datum, May 3; lowest, 20.70 ft below land-surface datum, Sept. 30.

LOWEST WATER LEVEL FOR THE DAY, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	20.29	20.34	18.61	18.64	19.35	19.35	18.72	18.03	19.49	20.03	19.40	20.42
10	20.36	20.37	18.45	18.87	19.34	19.16	18.52	18.34	19.64	19.93	19.59	20.44
15	19.94	20.38	18.78	18.97	19.31	19.33	18.70	18.68	19.78	20.05	19.80	20.49
20	20.02	20.19	18.95	19.09	19.37	19.29	18.87	18.89	19.88	20.15	19.97	20.43
25	20.17	19.56	19.08	18.80	19.50	19.35	18.97	19.10	19.81	20.27	20.15	20.58
EOM	20.33	19.07	18.45	19.02	19.41	19.25	18.38	19.31	19.93	19.66	20.26	20.70
MAX	20.36	20.41	19.11	19.14	19.50	19.42	19.26	19.31	19.95	20.30	20.26	20.70

TUSCALOOSA COUNTY

331340087381601. Local number, Tus-5.

LOCATION.--Lat 33°13'40", long 87°38'16", Hydrologic Unit 03160113, in NE¼ sec. 13, T. 21 S., R. 11 W., at Bryce Hospital Intermediate Care Facility, 0.4 mi south of U.S. Highway 82, and 3.1 mi southeast of Coker.

Owner: Bryce Hospital.

AQUIFER.--Sand of Coker Formation of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in, depth 109 ft, screened 103 to 109 ft.

DATUM.--Altitude of land-surface datum is 157 ft. Measuring point: Top of casing, 3.30 ft above land-surface datum.

REMARKS.--None.

PERIOD OF RECORD.--January 1964 to August 1984 (discontinued).

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 18.35 ft below land-surface datum, May 22, 1983; lowest, 34.4 ft below land-surface datum, Sept. 15, 1965.

EXTREMES FOR CURRENT YEAR.--Highest water level, 20.81 ft below land-surface datum, May 1, 12; lowest, 23.58 ft below land-surface datum, Nov. 15.

LOWEST WATER LEVEL FOR THE DAY, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	23.19	23.48	21.28	21.16	21.54	21.42	21.44	20.81	21.77	22.44	22.88	
10	23.22	23.50	21.03	21.54	21.45	21.43	21.33	20.81	21.91	22.56	22.89	
15	23.27	23.58	21.42	21.51	21.49	21.47	21.27	21.00	22.03	22.63	22.94	
20	23.31	23.49	21.48	21.58	21.48	21.49	21.43	21.07	22.13	22.72	---	
25	23.38	23.22	21.81	21.15	21.66	21.62	21.37	21.35	22.25	22.82	---	
EOM	23.44	22.76	21.33	21.34	21.81	21.85	20.92	21.60	22.35	22.84	---	
MAX	23.44	23.58	22.72	21.67	21.81	21.90	21.80	21.60	22.35	22.86	---	

GROUND-WATER LEVELS

305

TUSCALOOSA COUNTY

332224087282701. Local number, TW-26.

LOCATION.--Lat 33°22'24", long 87°28'27", Hydrologic Unit 03160112, in SW¼ sec. 22, T. 19 S., R. 9 W., at dirt road 0.8 mi east of junction with Yellow Creek Road, 8.1 mi south of Windham Springs, and 11.5 mi north of Tuscaloosa.

Owner: D. Cunningham.

AQUIFER.--Pottsville Formation of Early and Middle Pennsylvanian age.

WELL CHARACTERISTICS.--Drilled observation well, diameter 6 in, depth 124 ft, cased to 31 ft, open hole below casing.

DATUM.--Altitude of land-surface datum is 395 ft. Measuring point: Top of casing, 1.90 ft above land-surface datum.

REMARKS.--Water level affected by stage of nearby Yellow Creek.

PERIOD OF RECORD.--March 1979 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 8.56 ft below land-surface datum, Dec. 3, 1983; lowest, 17.07 ft below land-surface datum, Aug. 4, 5, 1981.

EXTREMES FOR CURRENT YEAR.--Highest water level, 8.56 ft below land-surface datum, Dec 3; lowest, 16.80 ft below land-surface datum, Sept. 22.

LOWEST WATER LEVEL FOR THE DAY, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	16.51	16.32	16.28	16.39	16.54	16.32	16.05	15.89	16.56	16.47	16.36	16.72
10	16.51	16.36	16.28	16.44	16.56	16.22	15.99	16.20	16.59	16.49	16.50	16.71
15	16.21	16.26	16.28	16.41	16.37	16.36	16.21	16.36	16.57	15.99	16.52	16.77
20	16.32	16.11	16.36	16.44	16.38	16.32	16.19	16.38	16.58	16.60	16.63	16.75
25	16.29	15.98	16.40	16.35	16.41	16.20	16.20	16.44	16.49	16.65	16.68	16.79
EOM	16.37	15.93	16.20	16.51	16.22	16.13	15.81	16.45	16.45	16.42	16.68	16.76
MAX	16.51	16.38	16.40	16.52	16.60	16.36	16.29	16.48	16.60	16.67	16.68	16.80

TUSCALOOSA COUNTY

332304087285601. Local number, TW-24.

LOCATION.--Lat 33°23'04", long 87°28'56", Hydrologic Unit 03160112, in NE¼ sec. 25, T. 19 S., R. 9 W., at dirt road 0.8 mi north of junction with Yellow Creek Road, 7.6 mi south of Windham Springs, and 11.8 mi north of Tuscaloosa.

Owner: Allen Turner.

AQUIFER.--Sand and gravel of Coker Formation of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled observation water-table well, diameter 6 in, depth 58 ft, cased to 46 ft, screened 46 to 58 ft.

DATUM.--Altitude of land-surface datum is 498 ft. Measuring point: Top of casing, 1.40 ft above land-surface datum.

REMARKS.--None.

PERIOD OF RECORD.--May 1979 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 30.70 ft below land-surface datum, May 29, Jun. 3, 1983; lowest, 38.39 ft below land-surface datum, Jan. 4, 1982.

EXTREMES FOR CURRENT YEAR.--Highest water level, 31.00 ft below land-surface datum, May 3; lowest, 34.03 ft below land-surface datum, Nov. 21, 25.

LOWEST WATER LEVEL FOR THE DAY, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	33.13	33.67	33.26	32.23	32.22	31.78	31.69	31.36	31.69	32.23	32.77	33.36
10	33.17	33.73	33.08	32.35	32.05	31.87	31.61	31.26	31.81	32.36	32.79	33.38
15	33.26	33.94	33.06	32.22	32.08	31.85	31.52	31.31	31.88	32.43	32.93	33.56
20	33.33	34.02	32.70	32.28	32.01	31.78	31.59	31.22	31.95	32.53	33.01	33.58
25	33.46	34.03	32.81	32.08	32.10	31.78	31.63	31.38	32.05	32.65	33.15	33.72
EOM	33.60	33.82	32.55	32.14	32.19	31.96	31.45	31.58	32.13	32.70	33.22	33.83
MAX	33.60	34.03	33.78	32.42	32.31	32.08	31.90	31.60	32.13	32.71	33.22	33.83

GROUND-WATER LEVELS

TUSCALOOSA COUNTY

332411087275101. Local number, TW-16.

LOCATION.--Lat 33°24'11", long 87°27'51", Hydrologic Unit 03160112, in SE¼ sec. 10, T. 19 S., R. 9 W., at dirt road 1.5 mi west of junction with Watermelon Road, 6.4 mi southeast of Windham Springs, and 13.4 mi north of Tuscaloosa.

Owner: Gulf States Paper Company.

AQUIFER.--Sand and gravel of Coker Formation of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled observation water-table well, diameter 6 in, depth 102 ft, cased to 89 ft, screened 88 to 98 ft.

DATUM.--Altitude of land-surface datum is 583 ft. Measuring point: Top of casing, 1.30 ft above land-surface datum.

REMARKS.--None.

PERIOD OF RECORD.--March 1979 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 69.25 ft below land-surface datum, June 28, July 2, 1983; lowest, 80.03 ft below land-surface datum, Jan. 31, 1982.

EXTREMES FOR CURRENT YEAR.--Highest water level, 71.51 ft below land-surface datum, Feb. 27; lowest, 74.27 ft below land-surface datum, Sept. 30.

LOWEST WATER LEVEL FOR THE DAY, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	72.12	73.18	73.90	72.52	71.99	71.78	72.03	72.12	71.90	72.18	72.81	73.59
10	72.27	73.35	73.64	72.40	71.83	71.94	72.05	72.04	71.95	72.28	72.89	73.69
15	72.50	73.57	73.38	72.22	71.79	71.94	72.03	72.00	71.97	72.36	73.01	73.86
20	72.65	73.72	73.04	72.14	71.76	71.86	72.09	71.87	71.98	72.45	73.14	73.95
25	72.81	73.89	72.90	72.05	71.78	71.94	72.14	71.89	72.04	72.59	73.28	74.12
EOM	73.02	74.02	72.75	71.95	71.91	72.05	72.19	71.91	72.10	72.70	73.43	74.27
MAX	73.02	74.02	74.06	72.70	71.99	72.05	72.21	72.19	72.10	72.70	73.43	74.27

TUSCALOOSA COUNTY

332441087271301. Local number, TW-17.

LOCATION.--Lat 33°24'41", long 87°27'13", Hydrologic Unit 03160112, in NW¼ sec. 11, T. 19 S., R. 9 W., at dirt road 0.8 mi west of junction with Watermelon Road, 5.2 mi southeast of Windham Springs, and 14.2 mi north of Tuscaloosa.

Owner: Gulf States Paper Company.

AQUIFER.--Pottsville Formation of Early and Middle Pennsylvanian age.

WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 6 in, depth 170 ft, cased to 106 ft, open hole below casing.

DATUM.--Altitude of land-surface datum is 602 ft. Measuring point: Top of casing 1.30 ft above land-surface datum.

REMARKS.--None.

PERIOD OF RECORD.--March 1979 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 68.00 ft below land-surface datum, May 22, 23, 25, 1980, and July 2-4, 1983; lowest, 74.76 ft below land-surface datum, Feb. 1-2, 1982.

EXTREMES FOR CURRENT YEAR.--Highest water level, 68.64 ft below land-surface datum, May 28-29; lowest, 70.10 ft below land-surface datum, Sept. 30.

LOWEST WATER LEVEL FOR THE DAY, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	69.14	69.70		---	68.85	68.92	68.95	68.83	68.68	68.88	69.15	69.73
10	69.26	---		68.94	68.91	68.96	68.94	68.82	68.71	68.94	69.29	69.79
15	69.23	---		68.92	68.84	68.98	68.97	68.81	68.73	68.94	69.35	69.90
20	69.37	---		68.92	68.86	68.96	68.98	68.75	68.75	69.03	69.43	69.96
25	69.45	---		68.82	68.89	68.94	69.00	68.70	68.75	69.10	69.59	70.01
EOM	69.64	---		68.87	68.90	68.99	68.92	68.67	68.80	69.08	69.64	70.10
MAX	69.64	---		---	68.91	68.99	69.03	68.95	68.81	69.14	69.64	70.10

GROUND-WATER LEVELS

307

TUSCALOOSA COUNTY

332524087295901. Local number, TW-9.

LOCATION.--Lat 33°25'24", long 87°29'59", Hydrologic Unit 03160112, in NE¼ sec. 5, T. 19 S., R. 9 W., at dirt road 0.2 mi west of junction with State Highway 69, 4.4 mi south of Windham Springs, and 15.6 mi north of Tuscaloosa.

Owner: Holman Lumber Co.

AQUIFER.--Sand and gravel of Coker Formation of Late Cretaceous age, and Pottsville Formation of Early and Middle Pennsylvanian age.

WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 6 in, depth 207 ft, cased to 80 ft, open hole below casing.

DATUM.--Altitude of land-surface datum is 534 ft. Measuring point: Top of casing, 2.0 ft above land-surface datum.

REMARKS.--None.

PERIOD OF RECORD.--July 1978 to December 1981 (periodic only), January 1982 to current year.

EXTREMES OF PERIOD OF RECORD.--Highest water level, 57.85 ft below land-surface datum, Dec. 11, 1980; lowest, 66.20 ft below land-surface datum, Dec. 7, 1979.

EXTREMES FOR CURRENT YEAR.--Highest water level, 60.72 ft below land-surface datum, May 2; lowest, 62.75 ft below land-surface datum, Sept. 30.

LOWEST WATER LEVEL FOR THE DAY, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	---	62.06	61.97	61.44	61.17	61.14	61.04	60.81	60.97	61.36	61.73	62.42
10	---	62.13	61.86	61.45	61.22	61.15	60.99	60.80	61.03	61.47	61.89	62.46
15	61.79	62.20	61.75	61.41	61.20	61.14	60.97	60.82	61.03	61.42	62.04	62.45
20	61.86	62.23	61.70	61.35	61.17	61.08	60.97	60.78	61.14	61.53	62.13	62.54
25	61.95	62.29	61.75	61.21	61.17	61.08	61.04	60.83	61.21	61.64	62.25	62.66
EOM	62.02	62.24	61.65	61.25	61.20	61.18	60.94	60.89	61.26	61.69	62.33	62.75
MAX	---	62.30	62.24	61.60	61.27	61.20	61.18	60.89	61.26	61.70	62.33	62.75

TUSCALOOSA COUNTY

333204087324601. Local number, TW-5.

LOCATION.--Lat 33°32'04", long 87°32'46". Hydrologic Unit 03160112, in SE¼ sec. 26, T. 17 S., R. 10 W., at dirt road 3.2 mi north of junction with Windham Springs Road, 4.2 mi northwest of Windham Springs, and 21.0 mi north of Tuscaloosa.

Owner: Gulf States Paper Company.

AQUIFER.--Pottsville Formation of Early and Middle Pennsylvanian age.

WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 6 in, depth 60 ft, cased to 32 ft, open hole below casing.

DATUM.--Altitude of land-surface datum is 519 ft. Measuring point: Top of casing, 2.00 ft above land-surface datum.

REMARKS.--None.

PERIOD OF RECORD.--May 1979 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 31.30 ft below land-surface datum, Apr. 14, 1980; lowest, 43.33 ft below land-surface datum, Nov. 28, 1981.

EXTREMES FOR CURRENT YEAR.--Highest water level, 32.86 ft below land-surface datum, Apr. 29-30; lowest, 43.32 ft below land-surface datum, Sept. 30.

LOWEST WATER LEVEL FOR THE DAY, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	42.82	42.89	---	---	39.87	38.68	35.26	34.85	41.89	42.59	42.79	43.03
10	42.87	42.89	---	39.34	40.27	36.88	37.73	38.75	42.09	42.68	42.81	43.00
15	42.75	42.95	---	38.32	36.29	39.21	39.17	40.28	42.21	42.63	42.91	43.14
20	42.79	42.78	---	38.52	38.74	39.71	39.87	40.87	42.27	42.54	42.83	43.13
25	42.86	41.57	---	37.49	39.72	38.90	39.06	41.41	42.38	42.73	42.94	43.25
EOM	42.93	38.99	---	38.92	37.31	35.81	33.36	41.68	42.45	42.79	42.94	43.32
MAX	42.93	43.01	---	---	40.32	39.73	39.89	41.68	42.45	42.80	42.95	43.32

GROUND-WATER LEVELS

TUSCALOOSA COUNTY

333220087293901. Local number, OBS-50.

LOCATION.--Lat 33°32'20", long 87°29'39", Hydrologic Unit 03160112, in NE¼ sec. 29, T. 17 S., R. 9 W., at dirt road 2.0 mi north of junction with State Highway 69, 3.5 mi north of Windham Springs, and 22.0 mi north of Tuscaloosa.

Owner: Clayton Zennah.

AQUIFER.--Pottsville Formation of Early and Middle Pennsylvanian age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in, depth 61 ft, casing depth unknown, open hole below casing.

DATUM.--Altitude of land-surface datum is 553 ft. Measuring point: Top of casing, 1.50 ft above land-surface datum.

REMARKS.--None.

PERIOD OF RECORD.--October 1977 to current year. Prior to October 1982 published as Zennah No. 50.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 11.13 ft below land-surface datum, May 25, 1983; lowest, 36.34 ft below land-surface datum, Sept. 27-28, 1980.

EXTREMES FOR CURRENT YEAR.--Highest water level, 14.72 ft below land-surface datum, Apr. 4; lowest, 35.66 ft below land-surface datum, Oct. 6.

LOWEST WATER LEVEL FOR THE DAY, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	35.64	35.53	24.31	29.28	29.86	25.69	20.14	16.55	31.93	35.49	29.10	32.90
10	35.60	35.51	27.21	31.45	32.41	24.60	21.92	17.63	33.07	35.53	29.26	33.18
15	35.38	35.57	24.81	28.07	24.21	28.35	25.44	23.89	33.65	33.04	29.87	33.42
20	35.36	35.29	29.83	25.28	26.78	28.27	27.08	27.31	34.32	27.86	30.87	33.59
25	35.44	32.35	29.38	25.91	28.43	22.51	22.50	28.35	35.04	29.60	31.78	33.75
EOM	35.51	27.95	27.47	28.59	24.54	17.76	17.82	29.71	35.34	31.96	32.55	33.90
MAX	---	35.58	30.67	31.45	32.41	28.39	27.44	29.71	35.34	35.56	32.55	33.90

TUSCALOOSA COUNTY

333313087281401. Local number, OB-11.

LOCATION.--Lat 33°33'13", long 87°28'14", Hydrologic Unit 03160112, in NW¼ sec. 22, T. 17 S., R. 9 W., at Bagwell road 0.9 mi northwest of junction with State Highway 69, 5.0 mi north of Windham Springs, and 24.5 mi north of Tuscaloosa.

Owner: Billy Bagwell.

AQUIFER.--Pottsville Formation of Early and Middle Pennsylvanian age.

WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 6 in, depth 25 ft, cased to 20 ft, open hole below casing.

DATUM.--Altitude of land-surface datum is 560 ft. Measuring point: Top of casing, 3.56 ft above land-surface datum.

REMARKS.--None.

PERIOD OF RECORD.--July 22, 1982 to current year.

EXTREMES OF PERIOD OF RECORD.--Highest water level, 1.96 ft above land-surface datum, Apr. 23, 1983; lowest, 2.12 ft below land-surface datum, Sept. 19, 1984.

EXTREMES FOR CURRENT YEAR.--Highest water level, 1.82 ft above land-surface datum, Dec. 3; lowest, 2.12 ft below land-surface datum, Sept. 18-19.

WATER LEVEL, IN FEET ABOVE (-) OR BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	1.36	1.51	-0.90	-0.49	.29	.59	-0.31	-0.80	---	1.36	1.03	1.79
10	1.59	1.53	-0.70	-0.25	.55	.42	-0.35	-0.58	---	1.40	1.11	1.93
15	1.14	1.60	-0.85	-0.27	.19	.68	-0.21	-0.32	---	1.08	1.32	2.02
20	1.27	1.04	-0.49	-0.27	.59	.69	-0.30	-0.16	1.11	.63	1.32	---
25	1.30	.49	-0.55	-0.52	.70	.40	-0.23	.01	1.24	.93	1.52	---
EOM	1.49	-0.29	-0.64	.07	.37	.00	-0.77	---	1.34	1.02	1.60	---
MAX	1.59	1.64	-0.17	.07	.74	.70	.02	---	---	1.43	1.60	---

GROUND-WATER LEVELS

309

TUSCALOOSA COUNTY

333344087291001. Local number, TW-4.

LOCATION.--Lat 33°33'44", long 87°29'10", Hydrologic Unit 03160112, in SW¼ sec. 16, T. 17 S., R. 9 W., at Cheatham Road 3.8 mi north of junction with State Highway 69, 4.9 mi north of Windham Springs, and 22.9 mi north of Tuscaloosa.

Owner: Albert Holman.

AQUIFER.--Pottsville Formation of Early and Middle Pennsylvanian age.

WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 6 in, depth 347 ft, cased to 25 ft, open hole below casing.

DATUM.--Altitude of land-surface datum is 639 ft. Measuring point: Top of casing, 0.50 ft above land-surface datum.

REMARKS.--None.

PERIOD OF RECORD.--March 1979 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 70.27 ft below land-surface datum, Apr. 28, 1983; lowest, 92.22 ft below land-surface datum, Dec. 10-11, 1981.

EXTREMES FOR CURRENT YEAR.--Highest water level, 73.76 ft below land-surface datum, May 3-5; lowest, 85.84 ft below land-surface datum, Sept. 30.

LOWEST WATER LEVEL FOR THE DAY, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5				---	---	79.76	78.26	73.92	81.77	80.72	79.18	82.74
10				80.81	---	79.14	77.47	78.42	83.02	80.39	79.30	83.72
15				83.46	81.01	79.17	77.20	78.92	83.44	79.74	79.67	84.05
20				---	79.97	78.96	77.20	78.86	83.53	78.87	79.75	84.94
25				---	79.90	79.25	76.49	79.15	82.98	78.12	80.91	85.36
EOM				---	80.13	78.75	74.62	81.11	81.65	77.79	81.85	85.84
MAX				---	---	80.16	79.27	81.11	83.53	81.31	81.85	85.84

TUSCALOOSA COUNTY

333451087331501. Local number, TW-8.

LOCATION.--Lat 33°34'51", long 87°33'15", Hydrologic Unit 03160112, in SW¼ sec. 11, T. 17 S., R. 10 W., at Sterling Road 4.2 mi west of junction with State Highway 69, 6.9 mi northwest of Windham Springs, and 24.0 mi north of Tuscaloosa.

Owner: T. H. Miller.

AQUIFER.--Pottsville Formation of Early and Middle Pennsylvanian age.

WELL CHARACTERISTICS.--Drilled observation artesian well. Diameter 6 in, depth 150 ft, cased to 22 ft, open hole below casing.

DATUM.--Altitude of land-surface datum is 482 ft. Measuring point: Top of casing 1.70 ft above land-surface datum.

REMARKS.--None.

PERIOD OF RECORD.--April 1979 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 35.79 ft below land-surface datum, Apr. 13, 1979; lowest, 42.52 ft below land-surface datum, Oct. 6, 1981.

EXTREMES FOR CURRENT YEAR.--Highest water level, 36.38 ft below land-surface datum, May 3-4; lowest, 41.46 ft below land-surface datum, Sept. 30.

LOWEST WATER LEVEL FOR THE DAY, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	41.04	41.05	36.79	37.40	38.56	38.02	37.29	36.66	39.65	40.85	40.13	40.89
10	41.20	41.07	37.20	38.20	38.65	37.73	37.79	37.29	39.98	40.98	40.22	40.90
15	41.20	41.22	37.26	37.98	37.91	38.22	38.14	38.02	40.32	40.55	40.49	41.12
20	41.02	40.74	37.43	38.23	38.15	38.36	38.51	38.60	40.58	39.23	40.38	41.17
25	41.07	39.34	37.43	37.77	38.47	38.21	37.96	38.91	40.65	39.44	40.57	41.33
EOM	41.12	38.14	37.36	38.18	38.02	37.69	36.63	39.31	40.75	40.06	40.69	41.46
MAX	41.24	41.24	38.13	38.25	38.65	38.37	38.51	39.31	40.77	40.98	40.69	41.46

GROUND-WATER LEVELS

NOXUBEE COUNTY, MISSISSIPPI

331426088192202. Local number, E-26 (USCE 121B).

LOCATION.--Lat 33°14'26", long 88°19'22", Hydrologic Unit 03160106, in SE¼ sec. 14, T. 16 N., R. 19 E., at south side dirt road, 1.8 mi northwest of Pickensville cutoff (Tombigbee River), and 3.4 mi west of Pickensville.

Owner: U.S. Corps of Engineers.

AQUIFER.--Sand of alluvial deposits of Quaternary age.

WELL CHARACTERISTICS.--Drilled observation water-table well, diameter 4 in, depth 30 ft, screened 20 to 30 ft.

DATUM.--Altitude of land-surface datum is 146.64 ft. Measuring point: Top of casing, 1.20 ft above land-surface datum.

REMARKS.--None.

PERIOD OF RECORD.--Sept. 1972 to May 25, 1977 (periodic only), July 1977 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 0.52 ft below land-surface datum, Apr. 13, 1979; lowest, 11.02 ft below land-surface datum, Nov. 30, 1981.

EXTREMES FOR CURRENT YEAR.--Highest water level, 3.92 ft below land-surface datum, May 4-5; lowest, 10.44 ft below land-surface datum, Sept. 30.

LOWEST WATER LEVEL FOR THE DAY, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	9.33	9.88	7.19	4.53	4.82		---	3.98	6.23	7.79	8.95	9.77
10	9.46	9.94	5.71	4.75	4.94		---	4.40	6.52	7.99	9.03	9.91
15	9.54	9.98	4.58	4.57	5.31		---	4.83	6.82	8.16	9.15	10.05
20	9.67	9.92	4.77	4.71	5.17		---	5.25	7.10	8.34	9.28	10.18
25	9.73	9.18	4.93	4.41	---		5.30	5.59	7.36	8.56	9.43	10.31
EOM	9.82	8.53	4.19	4.63	---		4.45	5.94	7.57	8.81	9.61	10.44
MAX	9.82	9.98	8.43	4.75	---		---	5.94	7.57	8.81	9.61	10.44

MISCELLANEOUS WATER-LEVEL MEASUREMENTS OF WELLS

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OCTOBER 1983 TO SEPTEMBER 1984

Station Number	Local Identifier	Latitude	Longitude	Aquifer	Depth of well (feet)	Altitude of Land Surface (feet)	Water Level Above (-) or Below Land Surface (feet)	Date of Measurement
GREENE COUNTY								
324930088063501	W3	32 49 30	88 06 35	Eutaw	227	110.1	-8.30 -9.30 -9.18 -8.23	10-17-83 1-24-84 4-26-84 7-26-84
324930088063502	W4	32 49 30	88 06 35	Alluvium	32	109.6	9.93 3.31 4.10 8.95	10-17-83 1-24-84 4-26-84 7-26-84
325150088092901	01	32 51 50	88 09 29	Alluvium	28	117	9.25 6.98 7.56 9.34	10-17-83 1-24-84 4-26-84 7-26-84
325240088082001	P13	32 52 40	88 08 20	Alluvium	27	113	2.49 -1.70 -1.57 2.78	10-17-83 1-24-84 4-26-84 7-26-84
PICKENS COUNTY								
330116088113102	AA49	33 01 16	88 11 31	Eutaw	18	135.8	9.96 9.74 8.00 9.46	10-18-83 1-23-84 4-26-84 7-26-84
330240088105901	AA55	33 02 40	88 10 59	Eutaw	125	140	21.51 19.73 19.77 20.99	10-18-83 1-23-84 4-26-84 7-25-84
330240088105902	AA56	33 02 40	88 10 59	Alluvium	19	140	11.82 9.76 7.15 10.88	10-18-83 1-23-84 4-26-84 7-25-84
331346088155801	P23	33 13 46	88 15 58	Eutaw	230	222	77.04 76.48 76.48 77.29	10-18-83 1-23-84 4-25-84 7-25-84
331346088155802	P24	33 13 46	88 15 58	Eutaw	180	222	80.20 79.33 79.08 79.99	10-18-83 1-23-84 4-25-84 7-25-84
331350088161901	P21	33 13 50	88 16 19	Eutaw	195	155	12.23 11.88 11.92 12.45	10-18-83 1-23-84 4-25-84 7-25-84
331350088161902	P22	33 13 50	88 16 19	Eutaw	66	160	23.31 23.53 23.59 23.83	10-18-83 1-23-84 4-25-84 7-25-84
SUMTER COUNTY								
325139008102801	F11	32 51 39	88 10 28	Alluvium	21	11.1	5.60 -.43 .82 5.24	10-17-83 1-24-84 4-25-84 7-26-84
NOXUBEE, MS								
331426088192201	E25	33 14 26	88 19 22	Eutaw	28	140	5.20 4.40 4.45 5.18	10-18-83 1-23-84 4-25-84 7-25-84

QUALITY OF GROUND WATER

WATER-QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

STATION NUMBER	LOCAL IDENTIFIER	AQUIFER	DEPTH OF WELL (FEET)	DATE	TIME	SPECIFIC CONDUCTANCE (US/CM)	PH (UNITS)	TEMPERATURE WATER (DEG C)	HARDNESS (MG/L AS CaCO3)			
SUMTER COUNTY												
324936088105801	C of E	Coker	1500	8/13/84	1510	160	9.0	21.5	16			
TUSCALOOSA COUNTY												
332304087285601	TW 24	Coker	58	10/03/83	0945	59	6.6	17.5	8			
333220087293901	OBS 50	Pottsville	61	10/04/83	1000	223	6.5	18.0	76			
334131087344201	TW 20	Pottsville	207	10/04/83	1220	65	6.4	18.5	16			
334315087320001	TW 21	Pottsville	207	10/04/83	1330	545	7.2	17.0	250			
HARDNESS, NONCARBONATE (MG/L AS CaCO3)	ACIDITY TOTAL HEATED (MG/L AS H)	ACIDITY (MG/L AS CaCO3)	CALCIUM DIS-SOLVED (MG/L AS Ca)	MAGNESIUM, DIS-SOLVED (MG/L AS Mg)	SODIUM, DIS-SOLVED (MG/L AS Na)	PERCENT SODIUM	SODIUM ADSORPTION RATIO	POTASSIUM, DIS-SOLVED (MG/L AS K)	ALKALINITY FIELD (MG/L AS CaCO3)	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO2)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLORIDE, DIS-SOLVED (MG/L AS Cl)
SUMTER COUNTY												
0	--	--	5.5	0.63	26	75	3	2.3	69	0.1	2.1	7.7
TUSCALOOSA COUNTY												
0	<.1	--	1.6	.93	1.2	--	.2	--	28	14	8.6	1.1
0	<.1	--	18	7.5	13	--	.7	--	77	47	14	18
0	.1	5.0	2.1	2.0	6.5	--	.7	--	26	20	2.9	3.8
1	--	--	51	30	24	--	.7	--	250	31	61	4.9
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 AC-FT)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, AMMONIA DIS-SOLVED (MG/L AS N)			
SUMTER COUNTY												
0.20	0.7	--	87	0.12	<.010	<.100	<.100	0.260	0.230			
TUSCALOOSA COUNTY												
--	--	18	--	.02	--	<.100	--	--	--			
--	--	136	--	.19	--	<.100	--	--	--			
--	--	62	--	.08	--	<.100	--	--	--			
--	--	335	--	.46	--	<.100	--	--	--			
NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, DIS-SOLVED (MG/L AS P)	PHOSPHORUS, ORTHO, DIS-SOLVED (MG/L AS P)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	IRON, SUSPENDED RECOVERABLE (UG/L AS FE)	IRON, DIS-SOLVED (UG/L AS FE)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MANGANESE, SUSPENDED RECOVERABLE (UG/L AS MN)	MANGANESE, DIS-SOLVED (UG/L AS MN)		
SUMTER COUNTY												
0.54	0.80	<.010	<.010	<.010	--	--	55	--	--	3		
TUSCALOOSA COUNTY												
--	--	--	--	--	3500	1400	2100	6500	0	7500		
--	--	--	--	--	13000	12000	1300	800	270	530		
--	--	--	--	--	510000	510000	130	8600	8500	120		
--	--	--	--	--	17000	17000	23	1400	1100	280		

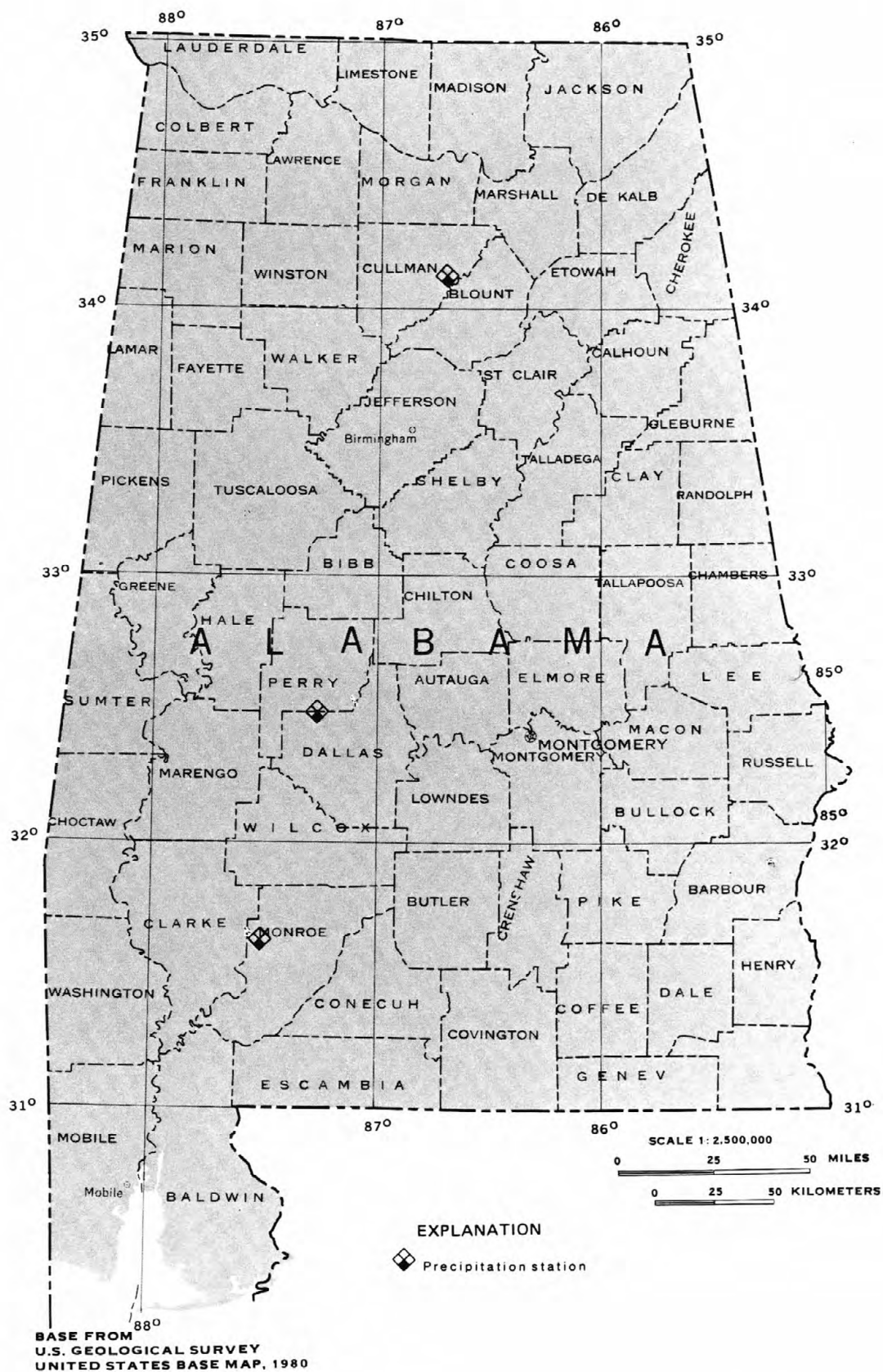


Figure 8.--Map of Alabama showing location of precipitation stations.

PRECIPITATION-QUALITY DATA

CULLMAN COUNTY

341032086340601 PRECIPITATION STATION NEAR HOLLY POND, AL

LOCATION.--Lat 34°10'32", long 86°34'06", Hydrologic Unit 03160109, NE&SE&SE sec. 7, T. 10 S., R. 1 E., in Cullman County.

PERIOD OF RECORD.--August 1982 to current year.

INSTRUMENTATION.--Recording precipitation gage and automatic sample collector.

REMARKS.--Daily samples are collected at 0700 a.m.

WATER-QUALITY DATA, OCTOBER 1983 TO SEPTEMBER 1984

BEGINNING- ENDING DATE 1/	PRECIPI- TATION (INCHES)	SPE- CIFIC CON- DUCT- ANCE FIELD (US/CM)	PH FIELD (UNITS)	ACIDITY (MG/L AS H)	ALKA- LINITY LAB (MG/L AS CACO3)	CALCIUM, DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)
OCT									
04-05...	0.2	21	4.30	0.1	4	0.13	0.03	0.26	0.11
10-11...	.4	10	4.60	.1	5	.04	.01	.06	.05
12-13...	1.8	15	4.60	.1	5	.02	<.01	.01	.02
22-23...	.8	20	4.40	--	--	.12	.03	--	--
NOV									
03-04...	.2	19	4.60	--	1	.23	.10	.57	1.6
09-10...	.1	59	3.80	--	--	.24	.04	.27	1.0
14-15...	.8	17	4.40	.1	5	.11	.04	.28	.05
19-20...	2.1	4	5.00	.1	5	.04	.01	.10	.03
22-23...	.1	14	4.95	--	1	.51	.05	.50	.39
23-24...	.9	1	4.80	.1	5	.07	.01	.15	.05
26-27...	.7	7	4.90	.1	3	.03	.02	.15	.10
27-28...	3.2	1	5.05	<.1	3	.10	.02	.13	.09
DEC									
02-03...	3.1	1	5.00	<.1	3	.22	.01	.03	.03
03-04...	1.2	1	5.40	<.1	2	.09	.01	.09	.03
05-06...	.8	52/	4.60	.1	5	.08	.01	.15	1.4
10-11...	.5	11	4.70	<.1	5	.12	.03	.22	.11
13-14...	.4	31	4.70	<.1	4	.15	.03	.16	.20
14-15...	.1	16	4.75	<.1	--	.13	.02	.08	.90
21-22...	1.0	20	4.25	.1	<1	.20	.01	.07	.05
27-28...	2.8	1	4.90	.1	5	.02	<.01	<.01	.03
JAN									
09-10, 1984	.97	11	4.55	.1	2	.22	.01	.05	1.8
10-11...	.78	9	4.50	.1	1	.01	<.01	.05	1.7
14-15...	.10	12	4.87	.1	--	.21	.03	.46	.06
17-18...	.60	21	4.14	.1	1	.23	.01	.05	.03
23-24...	.96	19	4.30	.1	<1	.04	.04	.03	.02
FEB									
02-03...	.14	26	4.10	--	<1	--	--	.05	.06
10-11...	.87	13	4.50	<.1	1	.07	.02	.13	.29
12-13...	.84	8	5.65	.1	3	.19	.02	.11	.16
19-20...	.03	74	3.95	--	--	--	--	--	--
22-23...	.21	24	5.50	.1	--	.25	.02	.03	.04
26-27...	1.33	8	6.00	.1	2	.13	.01	.03	.04
27-28...	.19	24	5.67	--	--	2.30	.13	.16	.19
MAR									
04-05...	1.20	8	4.50	.1	2	.27	.03	.07	.05
05-06...	.21	11	4.50	<.1	2	.19	.02	.08	.06
16-17...	.16	162/	4.00	--	--	.51	.03	--	--
17-18...	.16	8	4.78	--	--	.67	.11	.43	.15
19-20...	.24	10	4.70	<.1	--	.41	.08	.12	.16
20-21...	.24	8	4.70	<.1	3	.20	.01	.02	.04
24-25...	.30	20	4.20	<.1	2	.23	.03	.08	.05
27-28...	2.03	20	4.20	.1	<1	.25	.01	.07	.04
28-29...	.50	20	6.60	<.1	7	3.0	.10	.20	.14

PRECIPITATION-QUALITY DATA

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CULLMAN COUNTY

341032086340601 PRECIPITATION STATION NEAR HOLLY POND, AL--Continued

WATER-QUALITY DATA, OCTOBER 1983 TO SEPTEMBER 1984

SULFATE, DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	BROMIDE, DIS- SOLVED (MG/L AS BR)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)
2.04	0.38	0.02	<0.10	0.23	0.399	0.013
.78	<.20	<.01	<.10	.11	.105	.003
.68	<.20	<.01	<.10	<.05	.198	.003
2.14	.46	.03	<.10	.24	.456	.007
2.16	.71	.02	<.10	.38	.848	.131
5.18	1.19	<.01	<.10	.92	1.3	.015
1.75	.49	<.01	<.10	.21	.237	.004
.54	.20	<.01	<.10	.07	.127	.005
1.45	.82	.05	<.10	.18	.295	.013
.55	<.20	.03	<.10	<.05	.127	.006
.43	.25	<.01	<.10	.07	.087	.001
.55	<.20	.03	<.10	<.05	.097	.004
.40	<.20	<.01	<.10	.06	.243	.005
.55	<.20	<.01	<.10	.06	.139	.003
1.14	.23	.02	<.10	.02	.190	.010
.97	.51	<.01	<.10	.19	.182	.012
1.51	.27	<.01	<.10	.23	.314	.008
.82	.52	<.01	<.10	.13	.260	.006
1.90	<.20	<.01	.14	.11	.295	.016
.52	<.20	.02	<.10	.05	.134	.018
.69	.58	<.01	.28	.57	.182	.010
1.58	<.20	<.01	.43	.14	.241	.010
1.18	.82	.02	<.10	.23	.248	.009
2.04	.27	<.01	.69	.44	.276	.001
1.85	.60	<.01	.10	.15	.154	.962
2.06	.27	<.01	<.10	.30	.219	.018
1.10	.36	<.01	<.10	.23	.083	.003
.68	.25	<.01	<.10	.20	.100	.007
--	--	--	--	--	--	--
2.12	<.20	.02	<.10	.37	.429	.003
.97	<.20	.02	<.10	.13	.058	.005
4.56	.24	.04	<.10	.68	.754	.001
.82	<.20	.02	<.10	.16	.113	.001
1.13	.20	<.01	<.10	.13	.090	.001
--	--	--	--	--	.270	--
5.22	.62	<.01	.14	.72	.823	.001
1.01	.36	<.01	<.10	.18	.223	.001
1.19	<.20	<.01	<.10	.09	.247	.001
1.63	<.20	.02	<.10	.30	.315	.008
2.53	<.20	<.01	<.10	.16	.252	.001
2.80	.28	<.01	<.10	.23	.361	.027

PRECIPITATION-QUALITY DATA

CULLMAN COUNTY

341032086340601 PRECIPITATION QUALITY STATION NEAR HOLLY POND, AL--Continued

WATER-QUALITY DATA, OCTOBER 1983 TO SEPTEMBER 1984

BEGINNING- ENDING DATE 1/ 2/	PRECIPI- TATION (INCHES)	SPE- CIFIC CON- DUCT- ANCE FIELD (US/CM)	PH FIELD (UNITS)	ACIDITY (MG/L AS H)	ALKA- LINITY LAB (MG/L AS CACO3)	CALCIUM, DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)
APR									
02-03...	1.28	11	4.50	<.1	<1	0.08	0.01	0.04	0.09
03-04...	.44	21	4.30	<.1	<1	.59	.04	.17	.13
08-09...	.83	18	4.30	<.1	<1	.09	.01	.03	.01
09-10...	.09	75	3.70	--	--	.39	.06	.20	.48
16-17...	.21	52	3.90	--	--	.33	.05	.05	.14
18-19...	.72	9	4.50	.1	1	.21	.02	.12	.03
19-20...	.78	28	4.10	.1	<1	.61	.14	.27	.06
21-22...	.47	23	4.36	.1	<1	.27	.07	.47	.08
22-23...	.03	21	4.50	--	--	--	--	--	--
26-27...	.76	16	4.40	--	<1	.09	.02	.08	.07
27-28...	.26	34	4.53	--	3	.62	.09	.90	.30
28-29...	1.60	14	4.62	.1	2	.13	.03	.16	.10
APR 30-MAY 01...	.08	46	6.42	--	--	--	--	.72	.56
MAY									
02-03...	4.04	23	4.30	.1	2	.29	.06	.29	.10
03-04...	.22	17	4.60	--	--	.78	.08	.29	.14
07-08...	1.36	14	4.50	.1	2	.13	.03	.19	.06
08-09...	.14	20	4.30	--	<1	.50	.05	.07	.10
21-22...	.20	35	3.90	--	<1	.27	.05	.19	.04
23-24...	.34	35	4.90	<.1	3	.11	.02	.06	.05
26-27...	.43	10	4.20	<.1	2	.60	.09	.37	.07
27-28...	.36	44	3.96	.1	<1	.23	.06	.23	.06
28-29...	.62	16	4.40	<.1	2	.28	.04	.06	.04
JUN									
22-23...	1.95	24	4.24	<.1	1	.15	.02	.03	.04
23-24...	.05	31	4.14	--	--	--	--	--	--
29-30...	.40	16	4.50	<.1	--	.34	.01	.02	.03
JUL									
04-05...	.03	41	4.10	--	--	--	--	--	--
05-06...	.03	35	4.04	--	--	--	--	--	--
06-07...	.25	19	4.40	<.1	--	.26	.03	.08	.04
07-08...	.47	16	4.31	<.1	2	.50	<.01	.03	.01
12-13...	.87	24	4.30	<.1	--	.18	.02	.05	.05
13-14...	.19	41	3.90	--	--	.25	.03	.09	.06
16-17...	.13	37	4.30	--	--	.82	<.01	.23	.10
17-18...	.19	20	4.20	--	--	.27	--	.03	.02
27-28...	.20	27	4.30	--	<1	.30	<.01	.11	.03
29-30...	.52	58	3.61	.2	<1	1.30	.10	.02	.04
30-31...	3.16	8	4.50	.1	1	.16	<.01	<.01	.01
JUL 31-AUG 01.	.36	11	4.90	<.1	1	.31	.01	.04	.02
AUG									
01-02...	.60	12	4.34	.1	1	.25	<.01	.02	.03
02-03...	.10	8	5.50	--	--	--	--	--	--
10-11...	.07	43	4.04	--	--	--	--	--	.22
11-12...	.26	18	4.58	--	2	--	--	.05	.85
17-18...	.06	44	4.12	--	1	--	--	--	--
19-20...	.05	43	3.30	--	--	--	--	--	--
22-23...	.59	62	3.60	.4	<1	.36	.06	.03	.07
28-29...	.32	24	4.00	.4	<1	.16	.03	.10	.11
SEP									
10-11...	.09	62	3.80	--	--	.85	.18	1.0	.22

1/ Beginning is date bucket placed in the collector; ending is date bucket and sample were removed.

2/ Laboratory determination.

PRECIPITATION-QUALITY DATA

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CULLMAN COUNTY

341032086340601 PRECIPITATION QUALITY STATION NEAR HOLLY POND, AL--Continued

WATER-QUALITY DATA, OCTOBER 1983 TO SEPTEMBER 1984

SULFATE, DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	BROMIDE, DIS- SOLVED (MG/L AS BR)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)
0.99	<.20	0.03	<.10	0.14	0.142	<.06
2.97	<.20	<.01	<.10	.30	.426	<.06
1.49	<.20	<.01	<.10	.14	.109	<.06
6.85	.65	.06	<.10	.87	.460	<.06
8.06	<.20	.02	<.10	.61	1.6	<.06
1.10	.26	<.01	<.10	.15	1.0	<.06
3.54	.52	<.01	<.10	.32	.297	<.06
2.23	.94	.04	<.10	.24	.397	<.06
--	--	--	--	--	--	--
1.14	.25	<.01	<.10	.18	.259	<.06
3.19	1.82	<.01	<.10	.59	1.7	<.06
.97	.34	.02	<.10	.18	.566	<.06
5.43	1.41	.06	<.10	.87	1.8	<.06
2.54	.52	<.01	<.10	.27	.679	<.06
1.78	.51	.05	<.10	.31	.544	<.06
.98	.29	<.01	<.10	.19	.521	<.06
2.54	.24	.03	<.10	.18	.417	<.06
1.27	2.52	.10	<.10	.29	.444	<.06
.79	.20	<.01	<.10	.12	.353	<.06
1.27	.90	<.01	<.10	.38	.509	<.06
3.82	.54	<.01	<.10	.38	.478	<.06
1.22	<.20	<.01	<.10	.20	.386	<.06
2.28	<.20	<.01	<.10	.23	.326	<.06
--	--	--	--	--	--	--
1.30	<.20	.02	<.10	.25	.294	<.06
--	--	--	--	--	--	--
--	--	--	--	--	--	--
.70	.27	.02	<.10	.24	.443	.013
.70	<.20	<.01	<.10	.21	.262	.001
1.79	.23	.04	<.10	.30	.276	<.001
2.43	.30	<.01	<.10	.46	.283	<.001
2.72	.82	<.01	<.10	.66	.972	.032
.83	.20	<.01	<.10	.25	.196	<.001
1.87	.38	<.01	<.10	.33	.546	.012
6.55	.45	<.01	<.10	.48	.712	<.001
.86	<.20	.02	<.10	.05	.029	<.001
1.31	<.20	.02	<.10	.12	.176	.013
1.72	<.20	<.06	<.10	.11	.196	<.001
--	--	--	--	--	--	--
4.19	2.44	.21	<.10	.80	1.200	<.001
1.61	.28	.03	<.10	.31	.490	.026
4.63	11.60	<.01	<.10	.54	1.600	<.060
--	--	--	--	--	--	--
7.85	.22	<.01	<.10	.46	.822	.018
2.02	.33	.05	<.10	.28	.282	.005
6.20	1.52	.10	<.10	1.29	.961	.032

PRECIPITATION-QUALITY DATA

DALLAS COUNTY

322710087140401 PRECIPITATION STATION NEAR MARION JUNCTION, AL

LOCATION.--Lat 32°27'10", long 87°14'04", Hydrologic Unit 03150203, NE¼, SE¼, SW¼ sec. 11, T. 17 N., R. 8 E., in Dallas County.

PERIOD OF RECORD.--August 1983 to current year.

REMARKS.--Weekly samples are collected on Tuesday at 0600 a.m.

WATER-QUALITY DATA, OCTOBER 1983 TO SEPTEMBER 1984

BEGINNING- ENDING DATE 1/	PRECIPITATION IN INCHES	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	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)	SULFATE SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	NITRO- GEN, DIS- SOLVED (MG/L AS NO3)	NITRO- GEN, DIS- SOLVED (MG/L AS NH4)	PHOS- PHORUS DIS- SOLVED (MG/L AS PO4)
OCT												
04-11...	0.190	39.8	6.66	0.57	0.171	1.120	0.975	4.89	1.47	3.630	6.060	1.375
11-18...	.950	12.2	4.64	.06	.019	.088	.022	1.35	.16	.530	.120	<.003
18-25...	.740	14.3	4.64	.06	.028	.191	.023	1.03	.27	.650	.200	<.003
NOV												
01-08...	.250	21.3	4.37	.29	.062	.175	.054	1.49	.31	.840	.080	<.003
08-15...	1.300	17.9	4.65	.18	.043	.275	.037	1.59	.43	.640	.120	<.003
15-22...	2.000	5.2	5.23	.03	.020	.147	.015	.55	.26	.170	.050	<.003
22-29...	3.350	10.3	5.21	.11	.048	.340	.029	.73	.57	.290	.080	<.003
29-06...	2.900	10.7	4.73	.06	.036	.196	.022	.82	.33	.320	.090	<.003
DEC												
06-13...	1.040	11.8	4.72	.12	.034	.202	.021	.76	.33	.640	.110	<.003
13-20...	.080	16.7	4.60	.56	.119	.639	.171	1.68	.85	1.140	.170	<.003
20-27...	.930	12.6	4.60	.06	.024	.149	.026	.93	.27	.610	.140	<.003
27-03...	2.700	5.1	5.15	.06	.013	.077	.011	.53	.14	.260	.060	<.003
JAN												
03-10...	.750	11.6	4.63	.06	.017	.089	.019	.68	.16	.560	.080	<.003
10-17...	.250	27.82/	4.09	.13	.033	.157	.081	2.38	.26	1.550	.140	<.003
17-24...	1.800	19.6	4.45	.04	.028	.196	.015	1.31	.33	.620	.090	.005
24-31...	.700	18.7	4.31	.09	.029	.104	.023	.83	.22	.830	.080	<.003
31-07...	.300	70.2	3.84									
FEB												
07-14...	1.450	21.2	4.46	.10	.060	.428	.031	1.45	.74	.750	.130	<.003
14-21...	.200	23.3	4.44	.40	.066	.234	.042	2.28	.33	1.080	.260	.005
21-28...	1.400	21.6	4.54	.12	.024	.105	.022	1.48	.19	.720	.210	<.003
28-06...	1.250	24.0	4.61	.35	.075	.352	.049	2.11	.05	1.020	.240	<.003
MAR												
06-13...	.060	78.62/	5.452/	3.28	.839	1.879	.420	13.32	.91	7.110	1.280	<.055
13-20...	1.350	12.6	4.82	.09	.025	.124	.020	1.19	.21	.460	.280	<.003
20-27...	.850	12.8	4.65	.27	.041	.133	.056	1.59	.21	.780	.110	<.003
27-03...	2.150	10.7	4.03	.15	.021	.077	.028	.07	.14	.540	.130	.010
APR												
03-10...	.730	14.4	4.61	1.23	.074	.280	.085	2.36	.41	.940	.140	<.003
10-17...	.300	47.0	4.55	.74	.147	.439	.085	4.67	.44	3.440	.920	<.003
17-24...	.550	15.5	4.14	.29	.056	.262	.083	1.41	.36	1.140	.250	<.003
24-01...	2.200	17.0	4.89	.27	.050	.270	.131	1.89	.52	1.180	.800	<.003
MAY												
01-08...	2.400	12.5	4.78	.41	.062	.303	.087	1.46	.50	.920	.380	<.003
08-15...	.080	15.7	5.50	1.03	.253	.830	.194	2.41	.78	2.620	.330	.012
15-22...	1.750	13.0	4.64	.06	.036	.180	.019	1.07	.31	.440	.110	<.003
22-29...	.650	19.3	5.80	.11	.040	.180	.152	1.17	.26	1.460	.190	<.003
JUN												
12-19...	.950	44.8	3.95	.22	.045	.099	.113	4.76	.23	2.050	.440	<.003
19-26...	2.150	13.1	4.58	.33	.027	.047	.034	1.55	.12	1.130	.230	<.003
26-03...	1.150	28.2	4.22	.22	.022	.040	.030	2.38	.13	2.080	.040	<.003
JUL												
03-10...	1.100	18.2	4.42	.08	.027	.085	.021	1.05	.15	1.140	.160	.008
10-17...	.350	18.8	4.38	.16	.043	.080	.025	1.40	.14	1.530	.110	<.003
17-24...	.600	41.9	4.092/	.28	.060	.145	.049	4.47	.25	2.270	.320	<.003
24-31...	1.840	19.4	4.26	.07	.021	.084	.024	1.61	.16	1.370	.190	<.003
31-07...	2.400	5.6	4.91	.04	.014	.083	.014	.55	.13	.340	<.020	<.003
AUG												
07-14...	.700	54.3	3.89	.12	.032	.073	.053	5.25	.16	1.910	.260	<.003
14-21...	.650	29.1	4.22	.14	.046	.173	.039	3.22	.22	1.010	.240	<.003
21-28...	.100	32.8	4.18	.40	.123	.346	.058	3.86	.37	1.400	.180	<.003
28-04...	.700	20.0	4.53	.23	.041	.138	.060	1.73	.22	1.140	.180	<.003
SEP												
04-11...	.050	50.62/	4.392/	1.69	.547	1.238	.267	7.24	1.37	4.540	.430	<.010

1/ Beginning is date bucket placed in the collector; ending is date bucket and sample were removed.

2/ Laboratory determination.

PRECIPITATION-QUALITY DATA

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MONROE COUNTY

311625087390701 PRECIPITATION STATION NEAR URIAH, AL

LOCATION.--Lat 31°16'25", long 87°39'07", Hydrologic Unit 03150204, NW¼NE¼NE¼ sec. 34, T. 4 N., R. 4 E., in Monroe County.

PERIOD OF RECORD.--October 1982 to current year.

INSTRUMENTATION.--Recording precipitation gage and automatic sample collector.

REMARKS.--Daily samples are collected at 0700 a.m.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

BEGINNING- ENDING DATE 1/	PRECIPI- TATION (INCHES)	SPE- CIFIC CON- DUCT- ANCE FIELD (US/CM)	PH FIELD (UNITS)	ACIDITY (MG/L AS H)	ALKA- LINITY LAB (MG/L AS CACO3)	CALCIUM, DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)
OCT									
03-04...	0.2	24	4.00	0.1	<1	0.05	0.02	0.17	0.07
10-11...	.4	18	4.70	<.1	4	.05	.02	.17	.13
12-13...	1.3	6	4.90	.1	5	.02	.01	.06	.04
22-23...	.4	17	4.50	.1	4	.05	.02	.12	.12
NOV									
04-05...	.5	27	4.30	.1	<1	.07	.04	.30	.12
14-15...	.2	23	4.55	--	--	.09	.03	.48	.10
15-16...	.1	28	4.80	--	--	--	--	--	--
19-20...	1.6	13	4.75	.1	5	.07	.09	.68	.04
23-24...	2.8	10	5.10	<.1	5	.06	.04	.59	.86
26-27...	.1	53	4.00	--	<1	.18	.10	1.8	.17
27-28...	2.2	11	6.65	<.1	4	.07	.05	.69	.04
DEC									
02-03...	.4	6	5.00	.1	3	.09	.03	.20	.11
03-04...	.9	9	4.90	<.1	2	.14	.02	.29	.02
05-06...	.6	13	4.30	<.1	5	.09	.04	.35	.13
10-11...	1.4	10	4.75	<.1	2	.03	.02	.21	.04
11-12...	.1	8	4.85	--	--	--	--	--	--
13-14...	.1	27	4.20	--	--	--	--	--	--
21-22...	.4	39	4.10	--	<1	--	--	--	--
26-27...	.1	28	4.10	.1	<1	.17	.04	1.2	1.9
27-28...	2.0	15	4.60	.1	5	.06	.07	.65	.08
28-29...2/	.6	--	--	--	--	--	--	--	--
JAN									
09-10, 1984	1.37	11	4.45	.1	<1	.04	.01	.36	--
14-15...	.07	39	4.70	--	--	--	--	--	--
15-16...	.52	45	3.94	--	<1	--	--	.54	1.3
16-17...	.04	79	3.80	--	--	--	--	--	--
17-18...	.64	26	4.19	.1	<1	.06	.02	.13	.11
18-19...	.53	23	4.16	.1	<1	.06	.02	.08	.03
23-24...	.72	21	4.17	.1	<1	.03	.02	.17	.01
24-25...	.56	14	4.34	.1	2	.10	.07	.05	.01
26-27...	.25	8	4.20	.2	<1	.20	.05	--	--
FEB									
03-04...	1.13	14	4.45	.1	<1	.04	.02	.07	.08
10-11...	.08	78	3.75	--	--	--	--	--	--
12-13...	.67	17	4.31	<.1	<1	.09	.03	.41	.61
15-16...	.05	21	4.93	--	--	--	--	--	--
20-21...	.08	28	4.16	.1	<1	.10	.01	.08	.04
22-23...	.05	45	4.03	--	--	--	--	--	--
26-27...	1.80	12	4.48	<.1	2	.09	.03	.20	.03
27-28...	.06	15	4.54	--	--	--	--	--	--
MAR									
03-04...	.05	80	3.82	--	--	--	--	--	--
05-06...	2.65	16	4.48	.1	2	.17	.06	.27	.03
06-07...	.03	130	3.78	--	--	--	--	--	--
19-20...	1.31	8	4.92	<.1	2	.07	.03	.18	.03
24-25...	.80	24	4.19	<.1	2	.14	.05	.38	.04
27-28...	.05	80	3.78	--	--	--	--	--	--

PRECIPITATION-QUALITY DATA

MONROE COUNTY

311625087390701 PRECIPITATION STATION NEAR URIAH, AL--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

BEGINNING- ENDING DATE 1/ 2/	SULFATE, DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	BROMIDE, DIS- SOLVED (MG/L AS BR)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)
OCT							
03-04...	2.51	0.39	<0.01	<0.10	0.32	0.190	0.006
10-11...	1.03	.30	<.01	<.10	.27	.192	.002
12-13...	.56	<.20	<.01	<.10	.05	.136	.011
22-23...	1.67	.34	<.01	<.10	.12	.294	.033
NOV							
04-05...	1.83	.71	<.01	<.10	.36	.290	.006
14-15...	2.18	.86	<.01	<.10	.14	.152	.002
15-16...	--	--	--	--	--	--	--
19-20...	.83	1.36	<.01	<.10	.07	.096	.004
23-24...	.56	1.03	<.01	<.10	.05	.071	.004
26-27...	4.01	1.53	<.01	<.10	.37	.171	.020
27-28...	.77	1.35	<.01	<.10	.06	.038	.006
DEC							
02-03...	.25	.41	<.01	<.10	<.05	.136	.002
03-04...	.62	.51	<.01	<.10	<.05	.037	.026
05-06...	1.24	.72	.03	<.10	.03	.172	.002
10-11...	.52	.34	<.01	<.10	.08	.111	.008
11-12...	--	--	--	--	--	--	--
13-14...	--	--	--	--	--	--	--
21-22...	--	--	--	--	--	<.001	.076
26-27...	2.67	3.39	.02	<.10	.16	.161	.030
27-28...	1.07	1.25	<.01	<.10	.10	.168	.024
28-29...2/	--	--	--	--	--	--	--
JAN							
09-10, 1984	.97	3.33	.02	<.10	2.84	.145	.024
14-15...	--	--	--	--	--	--	--
15-16...	--	--	--	--	--	.141	.001
16-17...	--	--	--	--	--	--	--
17-18...	2.24	.32	<.01	<.10	.21	.214	.002
18-19...	2.21	<.20	<.01	<.10	.18	.124	.004
23-24...	1.92	.35	<.01	.19	.09	.024	.002
24-25...	1.17	1.64	<.01	<.10	.14	.029	.047
26-27...	1.47	--	<.01	<.10	.05	.118	.122
FEB							
03-04...	1.04	<.20	<.01	<.10	.15	.067	.014
10-11...	--	--	--	--	--	--	--
12-13...	1.29	1.11	<.01	.12	.14	.029	.002
15-16...	--	--	--	--	--	--	--
20-21...	2.59	<.20	<.01	<.10	.30	.090	.001
22-23...	--	--	--	--	--	--	--
26-27...	1.04	.35	<.01	<.10	.11	.119	.001
27-28...	--	--	--	--	--	--	--
MAR							
03-04...	--	--	--	--	--	--	--
05-06...	1.33	.54	.02	<.10	.12	.117	.001
06-07...	--	--	--	--	--	--	--
19-20...	.54	.31	<.01	<.10	.08	.087	.001
24-25...	1.04	.92	<.01	<.10	.15	.110	.105
27-28...	--	--	--	--	--	--	--

PRECIPITATION-QUALITY DATA

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MONROE COUNTY

311625087390701--PRECIPITATION QUALITY STATION NEAR URIAH, AL--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

PRECIPI- TATION (INCHES)	SPE- CIFIC CON- DUCT- ANCE FIELD (US/CM)	PH FIELD (UNITS)	ACIDITY (MG/L AS H)	ALKA- LILITY LAB (MG/L AS CACO3)	CALCIUM, DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)
1.88	25	4.19	<.1	<1	0.18	0.04	0.21	0.03
.05	14	4.30	--	--	--	--	--	--
1.52	20	4.78	<.1	3	1.10	.09	.56	.10
.05	51	4.40	--	--	--	--	--	--
.03	37	4.30	--	--	--	--	--	--
.07	54	4.50	--	--	--	--	--	--
.15	39	4.30	.2	<1	.54	.15	1.10	.16
.03	44	4.35	--	--	--	--	--	--
.05	39	4.40	--	--	--	--	--	--
1.5	30	4.46	.1	3	.36	.15	.95	.13
.21	22	4.39	--	--	--	--	--	--
.50	79	3.93	--	--	.29	.09	1.80	3.00
6.50	13	4.70	<.1	2	.04	.03	.20	.30
.60	8	4.78	<.1	2	.09	.02	.21	.27
.76	97	3.78	--	--	.14	.04	.28	.07
.50	36	4.25	--	--	--	--	--	--
.11	140	4.12	.2	--	.76	.16	2.0	.18
.10	69	4.29	.1	--	--	--	--	--
.35	55	4.31	.1	--	.39	.15	1.0	.14
.72	82	3.72	.1	<1	.08	.02	.08	.08
.02	62	4.20	--	--	--	--	--	--
.03	59	4.03	--	--	--	--	--	--
.42	55	3.83	.2	<1	.22	.03	.07	.04
.15	44	3.90	.2	--	--	--	--	--
.34	52	3.92	.2	<1	.09	.02	.08	.05
.22	43	3.76	.2	<1	.13	.02	.09	.03
.35	73	3.65	.2	<1	.13	.03	.31	.04
.20	44	4.02	.1	<1	.14	.01	.10	.03
.50	30	4.07	<.1	--	.31	.04	.24	.48
.05	42	3.93	--	--	--	--	--	--
.60	35	3.44	.1	<1	.09	.02	.05	.02
.05	89	3.40	--	--	--	--	--	--
.03	22	3.42	--	--	--	--	--	--
.55	25	3.82	--	<1	.19	.01	.12	.03
.10	43	3.61	--	<1	.32	.03	.23	.11
.25	28	3.79	.2	<1	.30	<.01	.26	.03
.95	13	3.99	.1	1	.24	.01	.05	.01
3.80	5	4.14	<.1	2	.14	<.01	.04	.01
1.70	4	4.66	<.1	2	.15	<.01	<.01	.01
.60	7	4.36	<.1	2	.33	.04	.25	.04
.80	33	3.68	<.1	<1	.28	.03	.14	.04
1.10	28	3.67	--	<1	.23	.02	--	--
.10	50	3.44	.2	<1	--	--	.07	.03
.15	16	4.02	--	<1	.19	.05	.15	.04
.35	35	3.55	--	<1	.22	.03	.14	.06
.35	19	3.91	--	1	.19	.06	.08	.37
.10	60	3.18	--	<1	.22	.03	.06	.05
.40	8	4.29	--	2	.07	.02	.05	.03
1.40	39	3.69	.4	<1	.05	.01	.04	.04
.06	62	3.38	--	--	--	--	--	--
.10	49	2.97	.2	<1	.32	.07	.58	.10

PRECIPITATION-QUALITY DATA

MONROE COUNTY

311625087390701--PRECIPITATION QUALITY STATION NEAR URIAH, AL--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

BEGINNING- ENDING DATE 1/	SULFATE, DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	BROMIDE, DIS- SOLVED (MG/L AS BR)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)
APR							
02-03...	2.55	0.45	<.01	<.10	0.12	0.283	<.06
03-04...	--	--	--	--	--	--	--
08-09...	3.15	.91	<.01	<.10	.19	.342	<.06
16-17...	--	--	--	--	--	--	--
19-20...	--	--	--	--	--	--	--
21-22...	--	--	--	--	--	--	--
22-23...	2.32	2.05	.03	<.10	.29	.265	<.06
26-27...	--	--	--	--	--	--	--
28-29...	--	--	--	--	--	--	--
MAY							
03-04...	2.86	1.70	.03	<.10	.26	1.0	<.06
07-08...	--	--	--	--	--	--	--
20-21...	1.40	6.84	.04	<.10	.11	.015	<.06
21-22...	1.08	.38	<.01	<.10	.10	.172	<.06
22-23...	.49	.50	.02	<.10	.07	.094	<.06
25-26...	3.83	5.36	<.01	<.10	.55	.282	<.06
28-29...	--	--	--	--	--	--	--
JUN							
09-10...	10.8	1.70	.07	<.10	1.06	.001	<.06
11-12...	--	--	--	--	--	.206	.01
12-13...	4.97	1.28	.07	<.10	.88	.600	<.06
14-15...	7.88	.30	.05	<.10	.63	.380	<.06
15-16...	--	--	--	--	--	--	--
16-17...	--	--	--	--	--	--	--
23-24...	.65	2.73	.03	<.10	.26	.001	<.06
27-28...	--	--	--	--	--	.211	.02
29-30...	2.93	.24	<.01	<.10	.51	.404	<.06
JUL							
01-02...	3.30	0.36	<.01	<.10	.53	.328	<.001
06-07...	4.23	1.94	.06	<.10	.63	.263	<.001
07-08...	1.81	.42	<.01	<.10	.46	.195	<.001
12-13...	2.16	1.07	<.01	<.10	.43	.129	.004
13-14...	--	--	--	--	--	--	--
16-17...	2.70	<.20	<.01	<.10	.23	.166	<.001
22-23...	--	--	--	--	--	--	--
23-24...	--	--	--	--	--	--	--
25-26...	1.76	.46	<.01	<.10	.19	.093	<.001
28-29...	1.09	2.19	.04	<.10	.43	.047	.008
29-30...	2.67	.65	<.01	<.10	.21	.152	<.001
JUL 31-AUG 01.	1.47	<.20	<.01	<.10	<.05	<.001	<.001
AUG							
01-02...	.33	<.20	<.01	<.10	<.05	.050	<.001
02-03...	<.20	<.20	<.01	<.10	<.05	.013	<.001
03-04...	.62	.53	<.01	<.10	.08	.054	<.001
04-05...	2.98	.38	<.01	<.10	.26	.040	<.001
05-06...	2.18	.37	.02	<.10	.25	.096	<.001
06-07...	3.42	1.05	.05	<.10	.32	<.001	<.001
08-09...	.99	.65	.02	<.10	.22	.116	.021
10-11...	1.94	.66	.02	<.10	.35	.124	<.001
11-12...	1.87	.24	.03	<.10	.35	.250	.142
13-14...	3.73	1.34	.05	<.10	.66	.054	<.001
14-15...	.44	<.20	<.01	<.10	.09	.025	<.001
25-26...	4.00	<.20	.02	<.10	.16	.164	<.001
SEP							
10-11...	--	--	--	--	--	--	--
11-12...	3.34	1.36	<.01	<.10	.60	.475	.022

1/ Beginning is date bucket placed in the collector; ending is date bucket and sample were removed.

2/ Collector cover frozen in closed position.

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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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