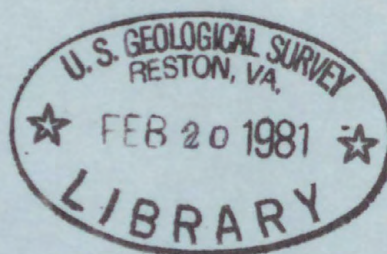


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Water Resources Data for Mississippi



U.S. GEOLOGICAL SURVEY WATER-DATA REPORT MS-79-1
WATER YEAR 1979

Prepared in cooperation with the Mississippi Department
of Natural Resources and with other State, county,
municipal, and Federal agencies

CALENDAR FOR WATER YEAR 1979

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Water Resources Data for Mississippi

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

WATER YEAR 1979

Prepared in cooperation with the Mississippi Department
of Natural Resources and with other State, county,
municipal, and Federal agencies

UNITED STATES DEPARTMENT OF THE INTERIOR

CECIL D. ANDRUS, Secretary

GEOLOGICAL SURVEY

H. William Menard, Director

Prepared in cooperation with

Mississippi Department of Natural Resources
Mississippi State Highway Department
Mississippi Research and Development Center
Pat Harrison Waterway District
Pearl River Valley Water Supply District
Harrison County Development Commission
Jackson County Board of Supervisors
Jackson County Port Authority
City of Jackson
Corps of Engineers, U.S. Army
U.S. Soil Conservation Service
Environmental Protection Agency

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100 W. Capitol Street, Suite 710
Jackson, Mississippi 39201

1981

PREFACE

This report was prepared by the U.S. Geological Survey in cooperation with the State of Mississippi and with other agencies, by personnel of the Mississippi District of the Water Resources Division under the supervision of L. E. Carroon, District Chief, succeeded by Garald G. Parker, Jr., and James L. Cook, Regional Hydrologist.

This report is one of a series issued State by State under the general direction of Philip Cohen, Chief Hydrologist, and S. M. Lang, Acting Assistant Chief Hydrologist for Scientific Publications and Data Management.

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[Letter after station name designates type of data: (d) discharge, (c) chemical, (b) biological
(m) microbiological, (t) water temperature, (s) sediment, (g) gage height]

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INTRODUCTION

Water resources data for the 1979 water year for Mississippi consist of records of stage, discharge, and water quality of streams; stage, contents, and water quality of lakes and reservoirs; and water levels of wells. This report contains discharge records for 80 gaging stations; stage records for 17 of these gaging stations; stage only records for 3 gaging stations; contents for 4 lakes; water quality for 25 gaging stations, and 162 wells; and water levels for 360 observation wells. Also included are data for 94 crest-stage partial-record stations. Additional water data were collected at various sites, not part of the systematic data collection program, and are published as miscellaneous measurements. These data represent that part of the National Water Data System operated by the U.S. Geological Survey and cooperating State and Federal agencies in Mississippi.

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 water year 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 watersupply 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."

For water years 1961 through 1974, streamflow data were released by the Geological Survey in annual reports on a State-boundary basis. Waterquality 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 as an official Survey report on a State-boundary basis. These official Survey reports carry an identification number consisting of the two letter State abbreviation, the last two digits of the water year, and the volume number. For example, this report is identified as "U.S. Geological Survey Water-Data Report MS-79-1." Water-data reports are for sale by the National Technical Information Service, U.S. Department of Commerce, Springfield, Virginia, 22161.

COOPERATION

The U.S. Geological Survey and organizations of the State of Mississippi have had cooperative agreements for the systematic collection of streamflow records since 1931, and for water-quality records since 1964. Organizations that assisted in the collection of data through cooperation with the Survey are:

Mississippi Department of Natural Resources,
Charlie L. Blalock, Executive Director.

Bureau of Land and Water Resources,
Charles T. Branch, Director.

Bureau of Pollution Control,
Charles H. Chisolm, Director.

Bureau of Geology and Energy Resources,
Alvin R. Bicker, Director

Mississippi State Highway Department,
John R. Tabb, Director.

Mississippi Research and Development Center,
Dr. Kenneth C. Wagner, Director.

Pat Harrison Waterway District
Albert L. Gerrard, Jr., Executive Director.

Pearl River Valley Water Supply District,
Joe D. Brown, President.

Harrison County Development Commission,
Tommy Munro, President.

Jackson County Board of Supervisors,
Edward A. Khayat, President

Jackson County Port Authority,
Paul Pella, Port Director.

City of Jackson,
Dale Danks, Jr., Mayor.

Assistance in the form of funds or services was given by the Corps of Engineers, Department of the Army, in collecting records for 50 gaging stations published in this report.

Assistance was also furnished by the National Weather Service, NOAA, U.S. Department of Commerce; the Soil Conservation Service, U.S. Department of Agriculture; and the Environmental Protection Agency.

ACKNOWLEDGMENT

Mississippi district personnel who contributed significantly to the collection and preparation of the data in this report were: C. H. Tate, chief, Hydrologic Records Section, assisted by E. J. Tharpe, G. A. Bednar, and W. T. Oakley.

HYDROLOGIC CONDITIONS

Streamflow

As two linked parts of the hydrologic cycle, streamflow is directly correlated with precipitation. During the 1979 water year abnormally high rainfall produced extreme floods and above average streamflow throughout much of Mississippi. Rainfall during the water year was about 1.9 times normal at Jackson, 1.6 times normal at Louisville, and more than 1.2 times normal at Merrill, making this the wettest year of record throughout much of Central Mississippi. Consequently annual streamflow for the 1979 water year was well above the long-term average flow at most gaging stations. Flow of the Tombigbee River at Columbus was about 1.4 times the average flow for the period of record. Annual flow of the Pascagoula River at Merrill was approximately 1.6 times the long term average. Flow of the Pearl River was more than twice the average flow for the period of record at Carthage and more than 1.6 times the average at Bogalusa, La. Flow of the Big Black River near Bovina was about 1.7 times the long term average. In the Mississippi Delta, the flow of the Big Sunflower River at Sunflower in the 1979 water year was about twice the average for the period of record.

At the start of the water year, during the months of October and November 1978, streamflow throughout the State was at or below normal but with the onset of winter rains in December, streamflow at most gaging stations moved into the excessive range and remained there for the rest of the water year (fig. 2). January 1979 was the wettest January of record at Jackson and moderate floods occurred throughout much of central and southern Mississippi. With many of the streams in the State still receding from the January floods and soil moisture very high, a series of storms that moved across central Mississippi in March and April produced record-breaking floods in the Tombigbee, Pascagoula, Pearl, and Big Black River basins. A record flood occurred on Chunky River, in the upper Pascagoula River basin near Meridian on March 4. At the town of Chunky this flood was the largest since the gage was installed in 1938. In early April a notable flood occurred on Black Creek near Wiggins. The April 5 peak was the largest since the gage was installed in 1971.

Another storm system moved across Mississippi on April 11-13, producing more than 10 inches of rain over much of Central Mississippi and more than 20 inches of rain in some areas in east-central Mississippi. This storm produced extreme floods in the lower Tombigbee, Pascagoula, Pearl, and Black River basins. Severe flooding occurred on Noxubee River and Luxapallila and Sucarnoochee Creeks which are tributaries to the Tombigbee River below Columbus. At Macon the Noxubee River peaked on April 13 at a stage 6 feet higher than the previous maximum of record. Chunky River and Okatibbee and Sowashee Creeks which are headwater tributaries to the Pascagoula River also experienced extreme floods in April. The April 13 flood on Okatibbee Creek at Arundel and Sowashee Creek at Meridian produced the highest stages since records began but only slightly higher than those of the March flood one month earlier. The April 14 flood crest on Chunky River at Chunky was slightly less than that of the March flood. At Enterprise, the Chickasawhay River experienced almost identical floods on March 5 and April 14, both one foot below the record flood of 1961.

The Pearl River basin experienced the most extreme floods in the State. Some headwater streams near Louisville received more than 20 inches of rain during the storm of April 11-13. At Edinburg, 86 miles upstream of the Ross Barnett Reservoir at Jackson, the Pearl River crested on April 14 at a stage of 30.06 feet and a discharge of 77,900 ft³/s. The stage at Edinburg was more than 3 feet higher than that of the March 1902 flood and the highest since at least 1874. Extreme floods also occurred on Yockanookany River and Lobutch Creek, west-bank tributaries to the Pearl River upstream of the Ross Barnett Reservoir. At State Highway 43 about 10 miles upstream of Ross Barnett Reservoir Dam, a near-peak discharge of 143,000 ft³/s was measured. At Jackson, downstream from the reservoir, the flood in the Pearl River crested on April 17 at a stage of 43.28 feet and a discharge of 128,000 ft³/s. This flood crested 5.8 feet higher than any flood since at least 1874 and forced the evacuation of about 15,000 people in the Jackson area. Downstream at Monticello, the Pearl River crested on April 20 with a peak discharge of 122,000 ft³/s at a stage of 34.08 feet, one foot higher than the flood of April 1902. Further downstream at Columbia the river crested on April 22 with a discharge of 120,000 ft³/s at a stage of 27.8 feet, near the stage of a flood in 1900, but about 3 feet lower than the extreme flood of 1874. At Bogalusa, La., the Pearl River crested April 24 at a stage of 23.2 feet and a discharge of 129,000 ft³/s. The increase in discharge between Columbia and Bogalusa resulted from more rain in the vicinity (3.41 inches at Bogalusa on April 21-23). The flood at Bogalusa exceeded the previous maximum of April 17, 1974, by 1.1 feet (records since 1939). At the Interstate Highway 59 crossing of Pearl River near Pearl River, La., a discharge of 155,000 ft³/s was measured on April 26 near the crest. At the Interstate Highway 10 crossing of Pearl River near Slidell, La., a discharge of 152,000 ft³/s was measured on April 26.

In the west-central portion of the State, the Big Black River at the U.S. Highway 80 gage near Bovina crested on April 16 at a discharge of 81,200 ft³/s as a result of the storm system of April 11-13. The stage was 40.56 feet--a few hundredths of a foot higher than the previous flood of record, making this the largest flood since 1936 when continuous streamflow records began. Records of floods prior to 1936 indicate that this flood probably exceeded any since at least 1912.

During the months of May through September 1979 streamflow was above normal throughout much of the State due to excessive rainfall that resulted from thunderstorm activity and heavy rainfall associated with tropical disturbances and hurricanes. Hurricane Frederic hit the Mississippi and Alabama coasts in September producing from 8 to 12 inches of rain over much of South Mississippi. Streamflow was again high in much of the State following the storm.

Streamflow Quality

Mississippi streams provide an abundant supply of water that normally is low in dissolved-solids content and is suitable for many purposes. For the most part, the surface waters are not extensively polluted with manmade wastes. Localized stream pollution occurs in some areas of agricultural chemical use, near large urban areas, and along the industrialized Gulf Coast, but the areas in which degraded stream water quality is a problem are not extensive.

With the exception of the Mississippi River, where dissolved-solids concentrations ranged from 141 to 308 mg/L, the dissolved-solids concentrations of most streams in Mississippi generally were less than 100 mg/L. Ranges of dissolved solids concentrations (in mg/L) in selected streams are given in the following table:

	Minimum	Maximum
Pascagoula River near Benndale	36	75
Wolf River near Landon	24	47
Yazoo River at Redwood	41	70
Big Black River near Bovina	48	116
Homochitto River at Rosetta	44	70

In general, the dissolved-solids concentration of the water in the Yazoo River increased downstream from Shell Bluff to Redwood. The dissolved-solids concentration, as reflected by the specific conductance measurements along the main stem of Tombigbee River, generally increased downstream from Fulton to Columbus. The specific conductance of the water in Tombigbee River ranged from 56 to 125 micromhos/cm at Fulton and from 87 to 178 micromhos/cm at Columbus.

The suspended-sediment concentrations in streams in Mississippi ranged from less than 50 mg/L during periods of low flow to more than 1,900 mg/L during high flow. Concentrations of suspended sediment were generally higher in the Yazoo River basin in the Mississippi Delta in the western part of the State than in the more heavily forested part of the State. The lowest maximum suspended-sediment concentrations observed were in the southeastern part of the State. The following table shows ranges of suspended-sediment concentrations (in mg/L) in several streams.

	Minimum	Maximum
Yazoo River at Shell Bluff	100	1,930
Yazoo River at Redwood	76	659
Big Black River at Bovina	43	641
Homochitto River near Rosetta	35	219

Dissolved-oxygen concentrations in streams were lowest during the summer months when stream temperatures were highest and flow velocities tend to be lowest. The dissolved-oxygen concentrations were generally greater than 5.0 mg/L, but were occasionally less than 5.0 mg/L in the Yazoo River where stream velocities are quite low. Ranges of dissolved-oxygen concentrations in selected streams are shown in the following table:

	Minimum	Maximum
Tombigbee River near Columbus	6.9	11.9
Pascagoula River near Benndale	6.6	9.6
Wolf River near Landon	6.1	10.1
Yazoo River at Redwood	4.2	11.2
Big Black River near Bovina	6.2	12.6
Homochitto River at Rosetta	5.1	10.7

Determinations of pH at index stations indicate that the water of most streams was slightly acidic at times and that the pH of surface waters generally was lowest in the southern part of the State. The pH of the water ranged from 6.4 to 8.4 units in the Yazoo River and from 6.2 to 8.4 units in the Tombigbee River. In the southern part of the State, the pH of the water in Wolf River near Landon and Pascagoula River near Benndale ranged from 5.3 to 6.9 units and 6.6 to 7.2 units, respectively.

Many streams in the State receive drainage from farmlands that receive large applications of agricultural chemicals. Persistent pesticide residuals were detected in the water and bottom material of some streams, particularly the Yazoo River. The pesticides DDT, DDD, DDE, and dieldrin were detected in the Yazoo River at Shell Bluff and Redwood in concentrations as high as 0.12 mg/L in the water-sediment phase and as high as 19 mg/kg in the bottom material.

During short-term water-quality studies, high concentrations of fecal bacteria and the nutrients nitrogen and phosphorus were observed in stream reaches downstream of wastewater inflow. Low dissolved-oxygen concentrations and high biochemical oxygen demand also were observed. In Town Creek downstream of wastewater inflows at West Point, total nitrogen and phosphorus concentrations exceeded 250 and 50 mg/L, respectively. Fecal coliform densities in wastewater-affected reaches of James Creek near Binford exceeded 100,000 colonies per 100 mL. Dissolved-oxygen concentrations were less than 5.0 mg/L in wastewater affected reaches of Town Creek near West Point and less than 3.0 mg/L in James Creek near Binford. The 5-day biochemical oxygen demand in these stream reaches often exceeded 10 mg/L. Although water quality problems frequently exists in the area of wastewater inflow, the water quality in the stream reaches generally improved downstream of the problem area.

Ground Water

In northeastern Mississippi, water levels in wells in the Eutaw-McShan aquifer and Tuscaloosa aquifer system generally showed moderate declines of 2 to 6 feet, but in the Tupelo and Lee County area, water levels in the aquifer system reached record lows. Water levels in a few wells in the industrialized Tupelo area declined as much as 10 feet during the water year. In Alcorn and Tishomingo Counties in extreme northeastern Mississippi, water levels in wells in the Paleozoic aquifers declined less than 2 feet.

Water levels in the Sparta aquifer system, Winona-Tallahatta aquifer, and lower-Wilcox aquifers in northwestern Mississippi showed slight declines.

Water levels in wells in the Mississippi River Valley alluvial aquifer rose during the year. Water levels in key observation wells in the Yazoo basin rose as much as 5 feet during the year. The alluvial aquifer is the principal source of irrigation water in the State.

In Central Mississippi, water levels in the Forest Hill Sand, Cockfield aquifer, Sparta aquifer system, and upper Wilcox aquifers generally declined less than 2 feet, but larger declines occurred in wells near heavy pumping. Wells in the Sparta aquifer system and Cockfield aquifers underlying the Jackson metropolitan area reached record lows at most reporting stations, with levels 2 to 6 feet lower than in September 1978.

Water levels in the Miocene aquifers and in the Graham Ferry Formation in southern Mississippi declined moderately, ending the water year 1 to 2 feet lower than in September 1978. Water levels in the Citronelle aquifers rose slightly. In the Bayou Casotte industrial area near Pascagoula on the eastern Mississippi Gulf Coast, levels in the Graham Ferry Formation were 8 to 10 feet lower than in September 1978.

Ground-Water Quality

The quality of ground water in Mississippi varies from one aquifer to another as well as within aquifers, but most of the State is underlain by one or more aquifers that contain and can supply ground water suitable for most uses with little or no treatment. Generally, the dissolved-solids concentration of water in the aquifers is relatively low in or near the outcrop area, but increase with depth and distance from the outcrop. Analyses of ground-water samples collected in Mississippi in the 1979 water year indicate that dissolved-solids concentrations of water pumped from most freshwater aquifers range from about 30 mg/L to 500 mg/L and are less than 300 mg/L in most ground waters used for domestic and agricultural purposes. The temperature of ground water is relatively constant in the shallow aquifers and usually reflects the mean annual air temperature. Temperatures generally increase with depth. Temperatures of ground-water samples collected from freshwater aquifers in the 1979 water year ranged from about 15.5°C (60°F) to 38°C (100°F).

Water in shallow aquifers in Mississippi usually has less than 60 mg/L of carbonate hardness and are considered soft waters. However, waters in wells in the Mississippi River Valley alluvial aquifer in the northwestern part of the State and in some Cretaceous aquifers in northeastern Mississippi have hardness values in excess of 120 mg/L and are classified as hard water. Water from most of the wells sampled in the State was slightly alkaline with pH values ranging from 7.1 to 9.0. However, water from several shallow wells, particularly those containing water with very low dissolved-solids concentrations, was slightly acidic with pH values ranging from 5.2 to 6.9. The mineralization of ground water in Mississippi generally increases with depth and with the exception of the alluvial deposits most aquifers contain saline water at depth. High concentrations of dissolved solids and chloride are common only in wells near the saltwater-freshwater interface in confined aquifers or in shallow aquifers that are hydraulically connected to estuaries. A well 4,226 feet deep screened in the Wilcox aquifer near Richton salt dome in South Mississippi contained water with more than 100,000 mg/L dissolved solids, principally sodium and chloride.

The Miocene aquifers and the overlying Citronelle aquifers in the southern third of the State generally contain water that is soft, slightly acidic, and low in dissolved solids. Some of the water supply wells near the areas of concentrated pumping in the Miocene aquifers along the Gulf Coast in Jackson and Harrison Counties contain concentrations of sodium and chloride slightly higher than other wells in the same aquifer, but farther from the Gulf Coast. The dissolved-solids concentrations in most of these wells are less than 500 mg/L and the waters are suitable for public supply. The higher concentrations of chloride may have resulted from the upward movement of saline water from deeper aquifers.

High concentrations of iron in solution is the most common problem in ground water in the State. High concentrations of dissolved iron are particularly common in water in the Mississippi River Valley alluvial aquifer. Iron in solution is also occasionally troublesome in the Cretaceous aquifers of northeastern Mississippi and the Eocene aquifers in the central part of the State. Concentrations of iron in ground-water samples collected in the 1979 water year exceeded 0.3 mg/L in 14 of the 66 samples analyzed for iron.

DEFINITION OF TERMS

Terms related to streamflow, water-quality, and other hydrologic data, as used in this report, are defined below. See also the table for converting inch-pound 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, 325,851 gallons, or 1,233 cubic meters.

Algae are mostly aquatic single-celled, colonial, or multicelled plants, containing chlorophyll and lacking roots, stems, and leaves.

Aquifer is a geologic formation, group of formations, or part of a formation that contains sufficient saturated permeable material to yield significant quantities of water to wells and springs.

Artesian means confined and is used to describe a well in which the water level stands above the top of the aquifer, tapped by the well. A flowing artesian well is one in which the water level is above the land surface.

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

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

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

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

Bottom material: See Bed material.

Cells/volume refers to the number of cells of any 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 1 cubic foot per second for 24 hours. It is equivalent to 86,400 cubic feet, 1.9835 acre-feet, about 646,000 gallons, or 2,447 cubic meters.

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

Chlorophyll refers to the green pigments of plants. Chlorophyll a and b are the two most common 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 or lake. Unless otherwise indicated, volume is computed on the basis of a level pool and does not include bank storage.

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

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

Cubic foot per second (FT³/S, ft³/s) is the rate of discharge representing a volume of 1 cubic foot passing a given point during 1 second and is equivalent to approximately 7.48 gallons per second or 448.8 gallons per minute or 0.02832 cubic meters per second.

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

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

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

Dissolved is that material in a representative water sample which passes through a 0.45 um membrane filter.

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.

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

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

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

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

Hydrologic unit is a geographic area representing part or all of a surface drainage basin or distinct hydrologic feature as delineated by the Office of Water Data Coordination on the State Hydrologic Unit Maps; each hydrologic unit is identified by an 8-digit number.

Metamorphic stage refers to the stage of development that an organism exhibits during its transformation from an immature form to an adult form. This developmental process exists for most insects, and the degree of difference from the immature stage to the adult form varies from relatively slight to pronounced, with many intermediates. Examples of metamorphic stages of insects are egg-larva-adult or egg-nymph-adult.

Methylene blue active substance (MBAS) is a measure of apparent detergents. This determination depends on the formation of a blue color when methylene blue dye reacts with synthetic detergent compounds.

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

Micrograms per liter ($\mu\text{g/L}$, $\mu\text{g/L}$) is a unit expressing the concentration of chemical constituents in solution as mass (micrograms) of solute per unit volume (liter) of 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.

Organism is any living entity, such as an insect, phytoplankter, or zooplankter.

Organism count/area refers to the number of organisms collected and enumerated in a sample and adjusted to the number per area habitat, usually square meters (m^2), acres, or hectares. Periphyton, benthic organisms, and macrophytes are expressed in these terms.

Organism count/volume refers to the number of organisms collected and enumerated in a sample and adjusted to the number per sample volume, usually milliliters (mL) or liters (L). Numbers of planktonic organisms can be expressed in these terms.

Total organism count is the total number of organisms collected and enumerated in any particular sample.

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.

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

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

Picocurie (PC, pCi) is one trillionth (1×10^{12}) of the amount of radioactivity represented by a curie (Ci). A curie is the amount of radioactivity that yields 3.7×10^{10} radioactive disintegrations per second. A picocurie yields 2.22 dpm (disintegrations per minute).

Plankton is the community of suspended, floating, or weakly swimming organisms that live in the open water of lakes and rivers.

Phytoplankton is the plant part of the plankton. They are usually microscopic and their movement is subject to the water currents. Phytoplankton growth is dependent upon solar radiation and nutrient substances. Because they are able to incorporate as well as release materials to the surrounding water, the phytoplankton have a profound effect upon the quality of the water. They are the primary food producers in the aquatic environment, and are commonly known as algae.

Blue-green algae are a group of phytoplankton organisms having a blue pigment, in addition to the green pigment called chlorophyll. Blue-green algae often cause nuisance conditions in water.

Diatoms are the unicellular or colonial algae having a siliceous shell. Their concentrations are expressed as number of cells/mL of sample.

Green algae have chlorophyll pigments similar in color to those of higher green plants. Some forms produce algal mats or floating "moss" in lakes. Their concentrations are expressed as number of cells/mL of sample.

Zooplankton is the animal part of the plankton. Zooplankton are capable of extensive movements within the water column, and are often large enough to be seen with the unaided eye. Zooplankton are secondary consumers feeding upon bacteria, phytoplankton, and detritus. Because they are the grazers in the aquatic environment, the zooplankton are a vital part of the aquatic food web. The zooplankton community is dominated by small crustaceans and rotifers.

Polychlorinated biphenyls (PCBs) are industrial chemicals that are mixtures of chlorinated biphenyl compounds having various percentages of chlorine. They are similar in structure to organochlorine insecticides.

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.

Runoff in inches (IN.) shows the depth to which the drainage area would be covered if all the runoff for a given time period were uniformly distributed on it.

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

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

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

Suspended-sediment discharge (tons/day) is the rate at which dry weight of sediment passes a section of a stream or is the quantity of sediment, as measured by dry weight or volume, that passes a section in a given time. It is computed by multiplying discharge times mg/L times 0.0027.

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

Total sediment discharge (tons/day) is the sum of the suspended-sediment discharge and the bed-load discharge. It is the total quantity of sediment, as measured by dry weight or volume, that passes a section during a given time.

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

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. This ratio should be known especially for water used for irrigating farmland.

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 and is expressed in micromhos per centimeter at 25°C. Because the specific conductance is related to the number and specific chemical types of ions in solution, it can be used for approximating the dissolved-solids content in the water. Commonly, the amount of dissolved solids (in milligrams per liter) is about 65 percent of the specific conductance (in micromhos). This relation is not constant from stream to stream and it may even vary in the same source with changes in the composition of the water.

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

Streamflow is the discharge that occurs in a natural channel. Although the term "discharge" can be applied to the flow of a canal, the word "streamflow" uniquely describes the discharge in a surface stream course. The term "streamflow" is more general than "runoff" as streamflow may be applied to discharge whether or not it is affected by diversion or regulation.

Substrate is the physical surface upon which an organism lived.

Natural substrates refers to any naturally occurring emerged or submersed solid surface, such as a rock or tree, upon which an organism lived.

Artificial substrate is a device which is purposely placed in a stream or lake for colonization of organisms. The artificial substrate simplifies the community structure by standardizing the substrate from which each sample is taken. Examples of artificial substrates are basket samplers (made of wire cages filled with clean streamside rocks) and multi-plate samplers (made of hardboard) for benthic organism collection, and plexiglass strips for periphyton collection.

Surface area of a lake is that area outlined on the latest U.S.G.S. topographic map as the boundary of the lake and measured by a planimeter in acres. In localities not covered by topographic maps, the areas are computed from the best maps available at the time planimeted. All areas shown are those for the stage when the planimeted map was made.

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

Suspended, 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.

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

Suspended, total is the total amount of a given constituent in the part of a representative water-suspended sediment sample that is retained on a 0.45 um membrane filter. This term is used only when the analytical procedure assures measurement of at least 95 percent of the constituent determined.

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.

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.....Insecta
Order.....Ephemeroptera
Family.....Ephemeridae
Genus.....Hexagenia
Species.....Hexagenia limbata

Thermograph is a thermometer that continuously and automatically records, on a chart, the water temperature of a stream. "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.

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

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

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

Total is the total amount of a given constituent in a representative water-suspended sediment sample, regardless of the constituent's physical or chemical form. This term is used only when the analytical procedure assures measurement of at least 95 percent of the constituent present in both the dissolved and suspended phases of the sample.

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.

Total load (tons) is the total quantity of any individual constituent, as measured by dry mass or volume, that is dissolved in a specific amount of water (discharge) during a given time. It is computed by multiplying the total discharge, times the mg/L of the constituent, times the factor 0.0027, times the number of days.

Total, recoverable, is the amount of a given constituents 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.

Turbidity of water is the reduction of transparency due to the presence of suspended particulate matter. The unit of measure is the nephelometric turbidity unit (NTU) and is a measure of light scatter of a beam of light passed through a sample of water.

Weighted average is used in this report to indicate discharge-weighted average values computed by multiplying the discharge for a sampling period by the concentration of individual constituents for the corresponding period and dividing the sum of the products by the sum of the discharges. A discharge-weighted average approximates the composition of water that would be found in a reservoir containing all the water passing a given location during the water year after thorough mixing in the reservoir.

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 NUMBER

Since October 1, 1950, the order of listing hydrologic-station records in Survey reports is in a downstream direction along the main stream. All stations on a tributary entering upstream from a main-stream station are listed before that station. A station on a tributary that enters between two main-stream stations is listed between them. A similar order is followed in listing stations on first rank, second rank, and other ranks of tributaries. The rank of any tributary on which a station is situated with respect to the stream to which it is immediately tributary is indicated by an 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 hydrologic station and partial-record station has been assigned a station number. These are in the same downstream order used in this report. In assigning station numbers, no distinction is made between partial-record stations and other stations; therefore, the station number for a partial-record station indicates downstream-order position in a list made up of both types of stations. Gaps are left in the series of numbers to allow for new stations that may be established; hence, the numbers are not consecutive. The complete 8-digit number for each station such as 03041000, which appears just to the left of the station name, includes the 2-digit part number "03" plus the 6-digit downstream order number "041000".

NUMBERING SYSTEM FOR WELLS 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 site. The number consists of 15 digits. The first 6 digits denote the degrees, minutes, and seconds of latitude, the next 7 digits denote degrees, minutes, and seconds of longitude, and the last 2 digits (assigned sequentially) identify the wells or other sites within a 1-second grid. See figure 1 below.

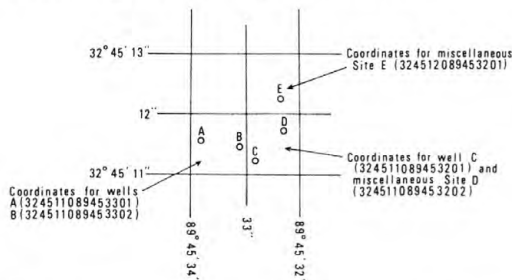


Figure 1.--System for numbering wells and miscellaneous sites (latitude and longitude)

SPECIAL NETWORK 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. Station 02479155, Cypress Creek near Janice, has been designated as a Hydrologic bench-mark station.

National Stream-Quality Accounting Network (NASQAN) Stations are designed to meet many of the information demands of agencies or groups involved in planning and management on a national or regional scale. The objectives of the Accounting Network are to depict areal variability of water-quality conditions nationwide on a year-by-year basis and to detect and assess stream-quality changes over long terms. Stations 02479020, Pascagoula River near Benndale; 07287120, Yazoo River near Shell Bluff near Morgan City; 07289000, Mississippi River at Vicksburg; 07290000, Big Black River near Bovina; and 07292500, Homochitto River at Rosetta, have been designated as NASQAN stations.

National Water-Quality Surveillance System (NWQSS) Stations are located to bracket major population and industrial centers for the purpose of determining the degree of water-quality degradation and the effectiveness of areawide abatement actions. Stations 07287500, Yazoo River at Yazoo City, and Station 07288800, Yazoo River at Redwood, have been designated as NWQSS stations.

Pesticide program is a network of regularly sampled water-quality stations where additional monthly samples are collected to determine the concentration and distribution of pesticides in streams whose waters are used for irrigation or in streams in areas where potential contamination could result from the application of the commonly used insecticides and herbicides.

Radiochemical program is a network of regularly sampled water-quality stations where additional samples are collected twice a year (at high and low flow) 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 textbooks, in Water-Supply Paper 888, and in U.S. Geological Survey Techniques of Water Resources Investigations, book 3, chapter A6.

For stream-gaging stations, rating tables giving the discharge for any stage are prepared from stage-discharge relation curves. If extensions to the rating 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 discharges 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 backwater from reservoirs, tributary streams, or other sources. This necessitates the use of the slope method in which the slope or fall in a reach of the stream is a factor in computing discharge. The slope or fall is obtained by means of an auxiliary gage set at some distance from the base gage. At some stations the stage-discharge relation is affected by changing stage; at these stations the rate of change in stage is used as a factor in computing discharge.

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

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

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

For some gaging stations there are periods when no gage-height record is obtained or the recorded gage height is so faulty that it cannot be used to compute daily discharge or contents. This happens when the recorder stops or otherwise fails to operate properly, intakes are plugged, the float is frozen in the well, or for various other reasons. For such periods the daily discharges are estimated on the basis of recorded range in stage, prior and subsequent records, discharge measurements, weather records, and comparison with stations in 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 tabulations of daily and monthly figures. For gaging stations on streams or canals a table showing the daily discharge and monthly and yearly discharge is given. For gaging stations on lakes and reservoirs a monthly summary table of stage and contents or a table showing the daily contents is given. Tables of daily mean gage heights are included for some streamflow stations. Records are published for the water year, which begins on October 1 and ends on September 30. A calendar for the current water year is shown on the reverse side of the front cover to facilitate finding the day of the week for any date.

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

Previously published 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 "REVISIONS (WATER YEARS)" has been added to the description of all stations for which revised records have been published. Listed therein are all the reports in which revisions have been published, each followed by the water years for which figures are revised in that report. In listing the water years only one number is given; for instance, 1965 stands for the water year October 1, 1964, to September 30, 1965. If no daily, monthly, or annual figures of discharge were revised, that fact is brought out by notations after the year dates as follows: "(M)" means that only the instantaneous maximum discharge was revised; "(m)" that only the instantaneous minimum was revised; and "(P)" that only peak discharges were revised. If the drainage area has been revised, the report in which the revised figure was first published is given. It should be noted that for all stations for which cubic feet per second per square mile and runoff in inches are published, a revision of the drainage area necessitates corresponding revision of all figures based on the drainage area. Revised figures of cubic feet per second per square mile and runoff in inches resulting from a revision of the drainage area only are usually not published in the annual series of reports.

The type of gage currently in use; the datum of the present gage referred to National Geodetic Vertical Datum; and a condensed history of the types, locations, and datums of previous gages used during the period of record are given under "GAGE." National Geodetic Vertical Datum is explained in "DEFINITION OF TERMS" on page 4.

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

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

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

For gaging stations on lakes and reservoirs the data presented comprise a description of the station and a table showing daily contents. A skeleton table of capacity at given stages is published for all reservoirs.

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

Accuracy of field data and computed results

The accuracy of discharge data depends primarily on (1) the stability of the stage-discharge relation, or if the control is unstable, the frequency of discharge measurements, and (2) the accuracy of observations of stage, measurements of discharge, and interpretation of records.

The station description under "REMARKS" states the degree of accuracy of the records. "Excellent" means that about 95 percent of the daily discharges is 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 ft³/s; to tenths between 1.0 and 10 ft³/s to whole numbers between 10 and 1,000 ft³/s; to 3 significant figures between 1,000 and 1,000,000 ft³/s and to 4 significant figures above 1,000,000 ft³/s. 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 and miscellaneous sites.

Discharge at many stations, as indicated by the monthly mean, may not reflect natural runoff due to the effects of diversion, consumption, regulation by storage, 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 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 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

Records of discharge not published by the Geological Survey were collected in Mississippi at 6 sites during the water year by the following agencies: Records of daily discharge were collected at 5 sites by the Agricultural Research Service, U.S. Department of Agriculture; and at 1 site by the Corps of Engineers, U.S. Army. In addition, records of stage, with periodic discharge observations, were also collected by the Corps of Engineers at approximately 40 additional sites. Information on specific sites can be obtained from the district office of the U.S. Geological Survey at the address given on page II of 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 daily record for parameters that are measured on a daily basis (specific conductance, pH, dissolved oxygen, water temperature, sediment discharge, etc.); extremes for the period of daily record; extremes for the current year; and general remarks.

For ground-water records, no descriptive statements are given; however, the well number, depth of well, data of sampling and/or other pertinent data are given in the table containing the chemical analyses of the ground water.

Water analysis

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

One sample can define adequately the water quality at a given time if the mixture of solutes throughout the stream cross section is homogeneous. However, the 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. Some bacterial values are preceded by the symbol "K." The symbol "K" replaces the symbol "B" used in data reports prior to 1978. The symbol denotes that the value given is based on a colony count outside the acceptable range (nonideal colony count).

For chemical-quality stations equipped with digital monitors, the records consist of daily maximum, minimum, and mean 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.

Water temperature

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

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

Sediment

Suspended-sediment concentrations are determined from samples collected by using depth-integrating samplers. Samples usually are obtained at several verticals in the cross section, or a single sample may be obtained at a fixed point and a coefficient applied to determine the mean concentration in the cross sections.

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

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

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

EXPLANATION OF GROUND-WATER LEVEL RECORDS

Collection of the data

Only ground-water level data from a basic national network of observation wells are published herein. These water-level measurements are intended to provide a sampling and historical record of water-level changes in the nation's most important aquifers.

Each well is identified by means of (1) a 15-digit number that is based on the grid system of 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.

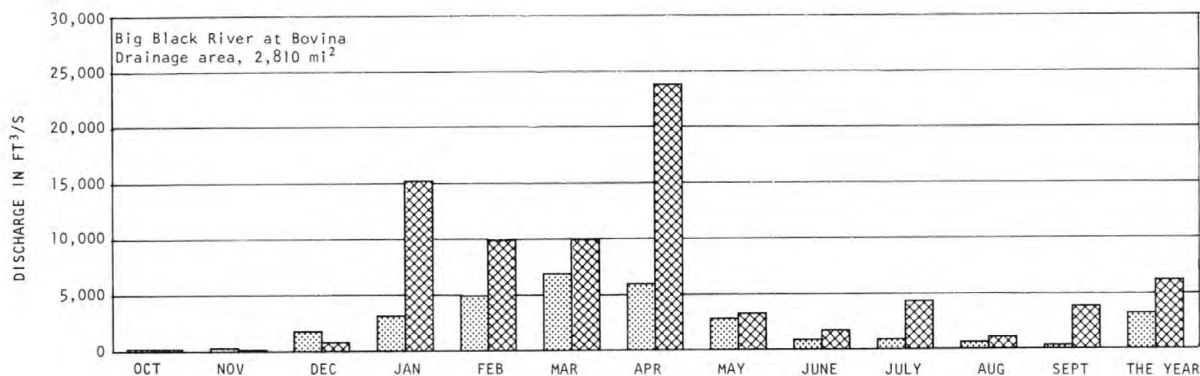
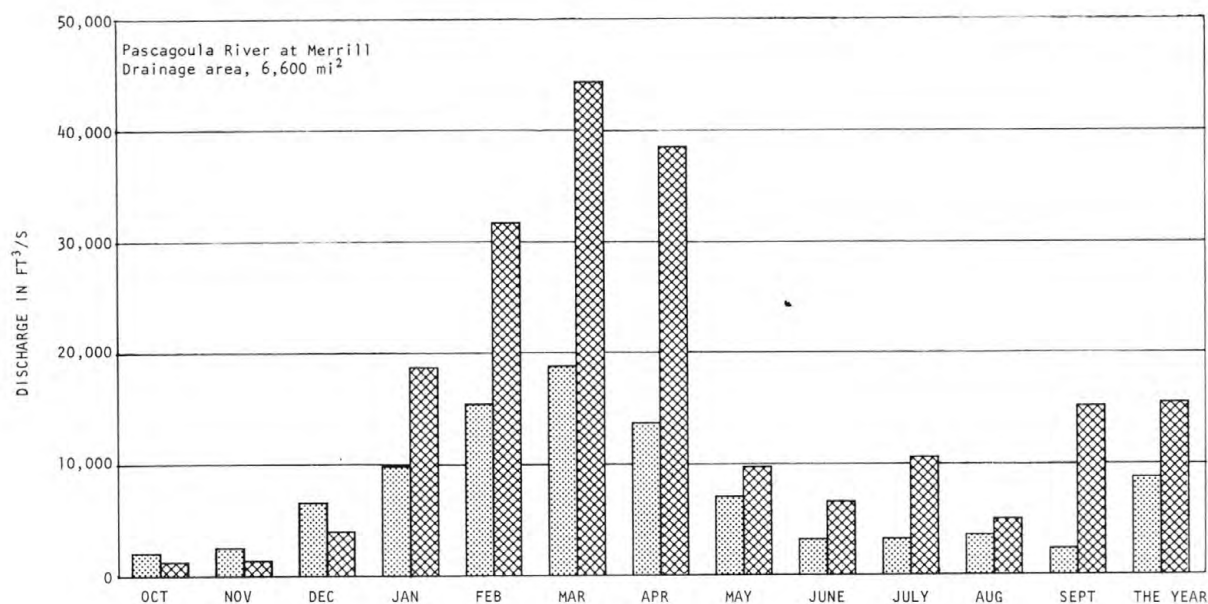
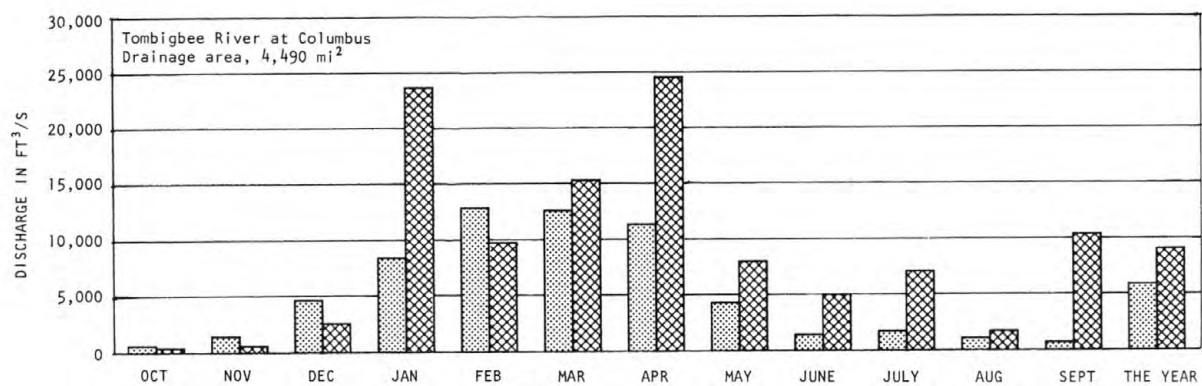
Water-level measurements in this report are given in feet with reference to land-surface datum (lsd). Land-surface datum is a datum plane that is approximately at land surface at each well. If known, the altitude of the land-surface datum above mean sea level is given in the well description. The height 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 and the end of each month (eom).

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 of 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.

Thirty-four manuals by the U.S. Geological Survey have been published to date in the series on techniques describing procedures for planning and executing specialized work in water-resources investigations. The material is grouped under major subject headings called books and is further divided into sections and chapters. For example, Section A of Book 3 (Applications of Hydraulics) is on surface water. The chapter, the unit of publication, is limited to a narrow field of subject matter. This format permits flexibility in revision and publication as the need arises. The reports listed below are for sale by the U.S. Geological Survey, Branch of Distribution, 1200 South Eads Street, Arlington, VA 22202 (authorized agent of the Superintendent of Documents, Government Printing Office).

NOTE: When ordering any of these publications, please give the title, book number, chapter number, and "U.S. Geological Survey Techniques of Water-Resources Investigations".

- 1-D1. *Water temperature--influential factors, field measurement, and data presentation*, by H. H. Stevens, Jr., J. F. Ficke, and G. F. Smoot: USGS--TWRI Book 1, Chapter D1. 1975. 65 pages.
- 1-D2. *Guidelines for collection and field analysis of ground-water samples for selected unstable constituents*, by W. W. Wood: USGS--TWRI Book 1, Chapter D2. 1976. 24 pages.
- 2-D1. *Application of surface geophysics to ground-water investigations*, by A. A. R. Zohdy, G. P. Eaton, and D. R. Mabey: USGS--TWRI Book 2, Chapter D1. 1974. 116 pages.
- 2-E1. *Application of borehole geophysics to water-resources investigations*, by W. S. Keys and L. M. MacCary: USGS--TWRI Book 2, Chapter E1. 1971. 126 pages.
- 3-A1. *General field and office procedures for indirect discharge measurements*, by M. A. Benson and Tate Dalrymple: USGS--TWRI Book 3, Chapter A1. 1967. 30 pages.
- 3-A2. *Measurement of peak discharge by the slope-area method*, by Tate Dalrymple and M. A. Benson: USGS--TWRI Book 3, Chapter A2. 1967. 12 pages.
- 3-A3. *Measurement of peak discharge at culverts by indirect methods*, by G. L. Bodhaine: USGS--TWRI Book 3, Chapter A3. 1968. 60 pages.
- 3-A4. *Measurement of peak discharge at width contractions by indirect methods*, by H. F. Matthai: USGS--TWRI Book 3, Chapter A4. 1967. 44 pages.
- 3-A5. *Measurement of peak discharge at dams by indirect methods*, by Harry Hulsing: USGS--TWRI Book 3, Chapter A5. 1967. 29 pages.
- 3-A6. *General procedure for gaging streams*, by R. W. Carter and Jacob Davidian: USGS--TWRI Book 3, Chapter A6. 1968. 13 pages.
- 3-A7. *Stage measurements at gaging stations*, by T. J. Buchanan and W. P. Somers: USGS--TWRI Book 3, Chapter A7. 1968. 28 pages.
- 3-A8. *Discharge measurements at gaging stations*, by T. J. Buchanan and W. P. Somers: USGS--TWRI Book 3, Chapter A8. 1969. 65 pages.
- 3-A11. *Measurement of discharge by moving-boat method*, by G. F. Smoot and C. E. Novak: USGS--TWRI Book 3, Chapter A11. 1969. 22 pages.
- 3-B1. *Aquifer-test design, observation, and data analysis*, by R. W. Stallman: USGS--TWRI Book 3, Chapter B1. 1971. 26 pages.
- 3-B2. *Introduction to ground-water hydraulics, a programed text for self-instruction*, by G. D. Bennett: USGS--TWRI Book 3, Chapter B2. 1976. 172 pages.
- 3-C1. *Fluvial sediment concepts*, by H. P. Guy: USGS--TWRI Book 3, Chapter C1. 1970. 55 pages.
- 3-C2. *Field methods for measurement of fluvial sediment*, by H. P. Guy and V. W. Norman: USGS--TWRI Book 3, Chapter C2. 1970. 59 pages.
- 3-C3. *Computation of fluvial-sediment discharge*, by George Porterfield: USGS--TWRI Book 3, Chapter C3. 1972. 66 pages.
- 4-A1. *Some statistical tools in hydrology*, by H. C. Riggs: USGS--TWRI Book 4, Chapter A1. 1968. 39 pages.
- 4-A2. *Frequency curves*, by H. C. Riggs: USGS--TWRI Book 4, Chapter A2. 1968. 15 pages.
- 4-B1. *Low-flow investigations*, by H. C. Riggs: USGS--TWRI Book 4, Chapter B1. 1972. 18 pages.
- 4-B2. *Storage analyses for water supply*, by H. C. Riggs and C. H. Hardison: USGS--TWRI Book 4, Chapter B2. 1973. 20 pages.
- 4-B3. *Regional analyses of streamflow characteristics*, by H. C. Riggs: USGS--TWRI Book 4, Chapter B3. 1973. 15 pages.
- 4-D1. *Computation of rate and volume of stream depletion by wells*, by C. T. Jenkins: USGS--TWRI Book 4, Chapter D1. 1970. 17 pages.
- 5-A1. *Methods for determination of inorganic substances in water and fluvial sediments*, by M. W. Skougstad and others, editors: USGS--TWRI Book 5, Chapter A1. 1979. 626 pages.
- 5-A2. *Determination of minor elements in water by emission spectroscopy*, by P. R. Barnett and E. C. Mallory, Jr.: USGS--TWRI Book 5, Chapter A2. 1971. 31 pages.
- 5-A3. *Methods for analysis of organic substances in water*, by D. F. Goerlitz and Eugene Brown: USGS--TWRI Book 5, Chapter A3. 1972. 40 pages.
- 5-A4. *Methods for collection and analysis of aquatic biological and microbiological samples*, edited by P. E. Greason, T. A. Ehlke, G. A. Irwin, B. W. Lium, and K. V. Slack: USGS--TWRI Book 5, Chapter A4. 1977. 332 pages.
- 5-A5. *Methods for determination of radioactive substances in water and fluvial sediments*, by L. L. Thatcher, V. J. Janzer, and K. W. Edwards: USGS--TWRI Book 5, Chapter A5. 1977. 95 pages.
- 5-C1. *Laboratory theory and methods for sediment analysis*, by H. P. Guy: USGS--TWRI Book 5, Chapter C1. 1969. 58 pages.
- 7-C1. *Finite difference model for aquifer simulation in two dimensions with results of numerical experiments*, by P. C. Trescott, G. F. Pinder, and S. P. Larson: USGS--TWRI Book 7, Chapter C1. 1976. 116 pages.
- 7-C2. *Computer model of two-dimensional solute transport and dispersion in ground water*, by L. F. Konikow and J. D. Bredehoeft: USGS--TWRI Book 7, Chapter C2. 1978. 90 pages.
- 8-A1. *Methods of measuring water levels in deep wells*, by M. S. Garber and F. C. Koopman: USGS--TWRI Book 8, Chapter A1. 1968. 23 pages.
- 8-B2. *Calibration and maintenance of vertical-axis type current meters*, by G. F. Smoot and C. E. Novak: USGS--TWRI Book 8, Chapter B2. 1968. 15 pages.



Median of monthly and yearly mean discharge for period 1941-70.

Monthly and yearly mean discharge during 1979 water year.

FIGURE 2.--Discharge during 1979 water year compared with median discharge for period 1941-70 for three representative gaging stations.

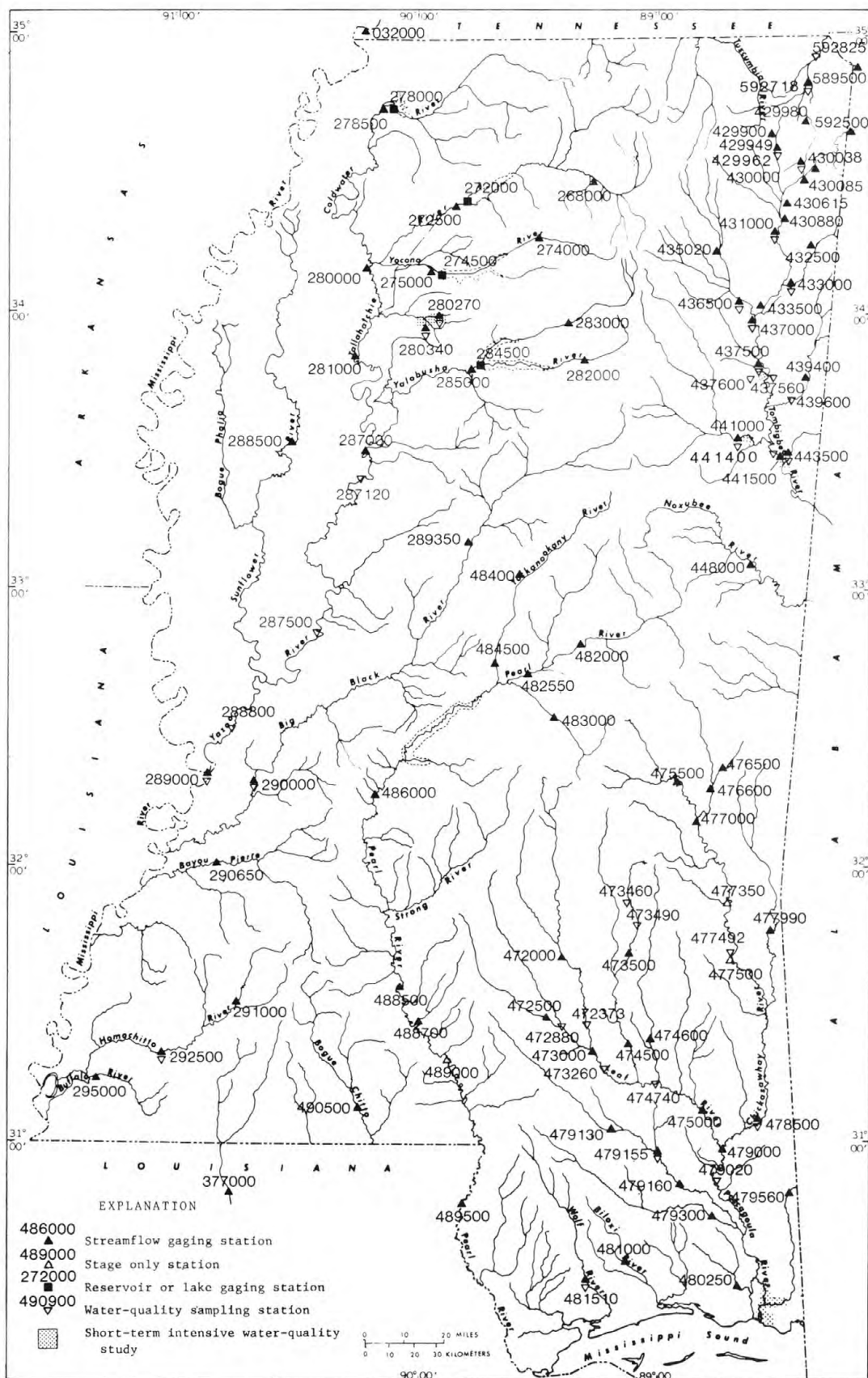


Figure 3. Location of hydrologic-data stations.

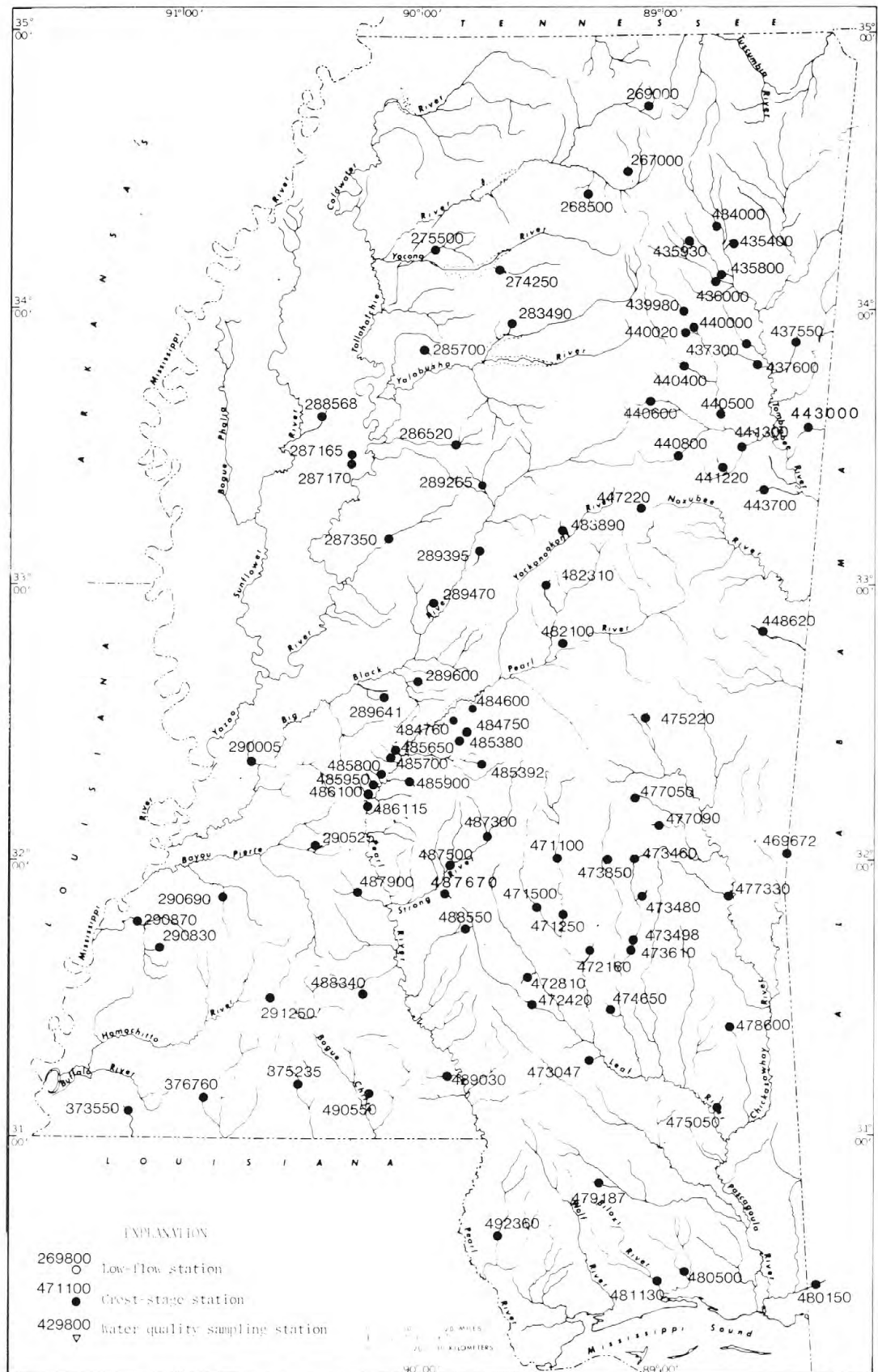


Figure 4. Location of partial-record stations.

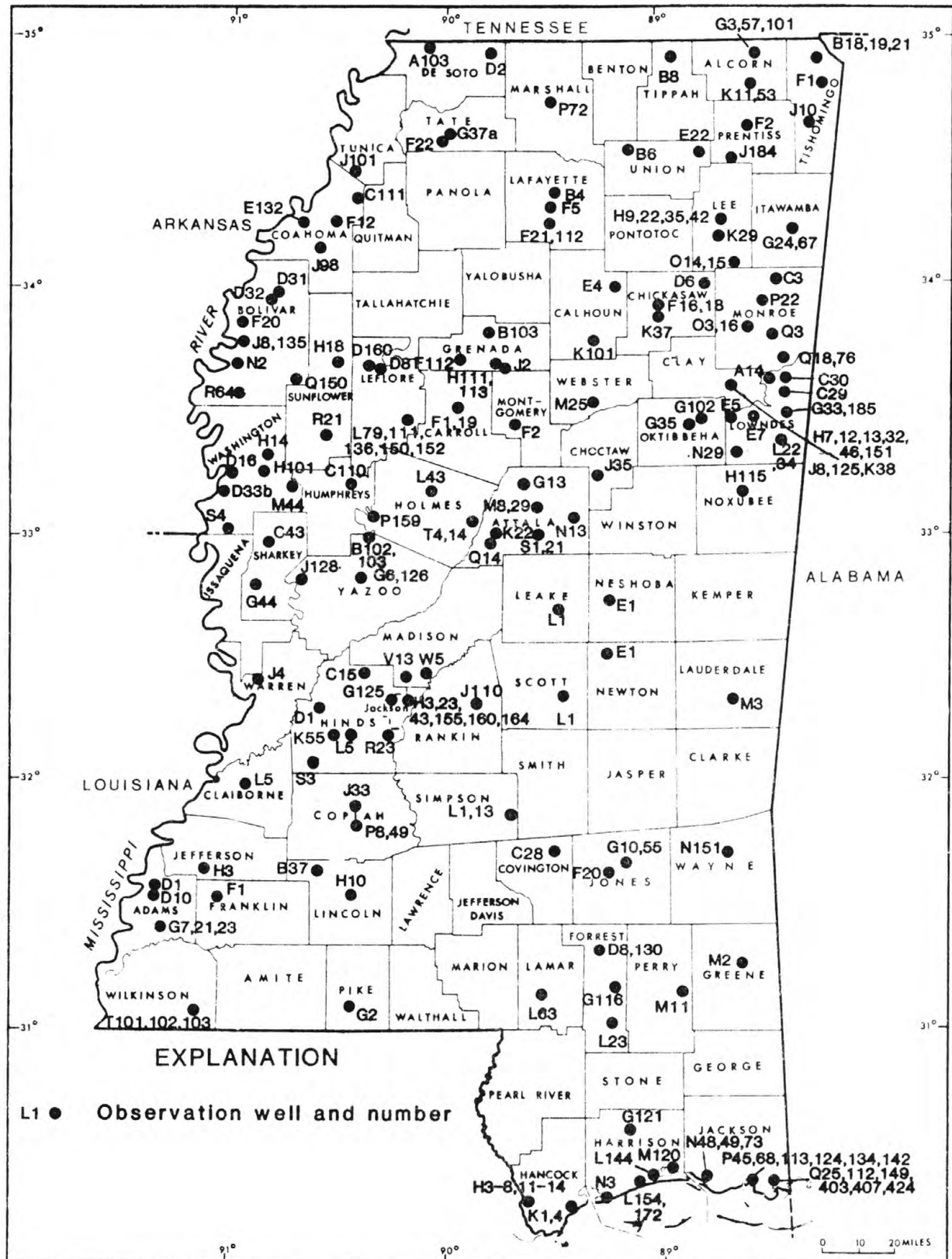


Figure 5. Location of observation wells.

HYDROLOGIC-DATA STATION RECORDS

EASTERN GULF OF MEXICO BASINS

MOBILE RIVER BASIN

02429900 BIG BROWN CREEK NEAR BOONEVILLE, MS

LOCATION.--Lat 34°37'07", long 88°26'42", SW¼NE¼ sec.27, T.5 S., R.8 E., Chickasaw Meridian, Prentiss County, Hydrologic Unit 03160101, near left bank, on downstream side of bridge on county highway, 0.4 mi (0.6 km) downstream from State Highway 30, 2.0 mi (3.2 km) upstream from Martin Creek, and 8 mi (13 km) east of Booneville.

DRAINAGE AREA.--27.0 mi² (69.9 km²).

PERIOD OF RECORD.--Occasional low-flow measurements, water years 1952-56, 58-60, 72; annual maximum stages, water years 1953-60, and annual maximum discharge, water years 1961-73. June 1973 to current year.

GAGE.--Water-stage recorder. Datum of gage is 326.56 ft or 99.535 m (corrected) National Geodetic Vertical Datum of 1929 (Tennessee Valley Authority bench mark). Prior to June 1973, crest-stage gage at site 0.4 mi (0.6 km) upstream at different datum.

REMARKS.--Records good to Apr. 5 and poor thereafter. No gage height record Apr. 6 to July 9 and Aug. 14 to Sept. 30.

AVERAGE DISCHARGE.--6 years, 56.7 ft³/s (1.606 m³/s), 28.52 in/yr (724 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,900 ft³/s (110 m³/s) Apr. 17, 1970, gage height, 99.97 ft (30.471 m) site and datum then in use; minimum, 0.16 ft³/s (0.005 m³/s) Sept. 2, 3, 4, 1977.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 1600 ft³/s (45.3 m³/s) and maximum recorded (*):

Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)	Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
Jan. 1	0930	1880 53.2	18.43 5.617	Apr. 2	0530	1650 46.7	17.63 5.374
Jan. 20	0600	*1930 54.7	18.58 5.663	Apr. 7	--	Unknown	Unknown

Minimum discharge, 0.34 ft³/s (0.010 m³/s), part of each day Oct. 9-13, gage height, 3.66 ft (1.116 m).

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.43	.63	3.2	968	35	80	214	29	100	17	6.1	35
2	.34	.63	2.8	140	30	70	867	28	200	15	6.3	50
3	.38	.69	13	60	50	488	309	50	250	14	5.6	20
4	.43	.76	50	43	40	320	240	250	50	13	6.8	15
5	.38	.89	7.6	37	30	143	146	100	35	12	7.2	10
6	.38	.82	4.9	64	70	100	90	70	30	12	6.3	9.0
7	.43	.82	4.4	501	188	80	70	50	40	13	4.6	8.0
8	.38	1.1	96	140	80	70	50	40	32	15	3.9	7.0
9	.34	.97	68	70	60	60	70	35	30	30	1.7	6.4
10	.34	.97	16	56	45	100	60	32	35	20	1.5	6.0
11	.34	1.1	11	47	40	80	700	30	30	17	12	5.6
12	.38	1.2	8.3	43	35	60	1500	50	25	320	12	5.0
13	.82	1.0	7.0	42	33	50	600	40	20	81	6.3	250
14	1.2	1.1	6.1	36	31	45	300	30	17	42	5.0	200
15	1.1	1.2	5.7	28	30	40	150	25	15	27	4.0	70
16	.82	11	7.8	28	27	37	80	23	14	21	3.5	30
17	.69	14	7.0	29	25	36	70	21	13	16	3.0	15
18	.69	4.7	5.9	31	40	35	60	20	12	13	2.5	12
19	.69	2.4	5.6	54	35	33	54	19	12	11	2.2	13
20	.69	1.6	6.5	1100	50	55	50	20	30	20	2.0	15
21	.63	1.5	28	717	197	74	45	30	200	47	9.0	200
22	.63	1.5	11	187	105	83	45	50	70	21	8.0	100
23	.63	3.4	8.5	158	144	555	60	40	40	17	4.5	60
24	.69	3.5	8.1	189	216	150	45	30	60	17	3.5	40
25	.58	2.6	6.8	106	393	91	70	25	40	18	6.0	25
26	.63	2.1	5.9	70	156	71	50	20	30	15	35	20
27	.69	4.5	5.0	90	100	105	40	30	23	13	20	16
28	.69	3.4	5.0	60	80	104	35	50	20	11	10	15
29	.69	2.7	5.0	50	---	75	32	100	19	11	8.0	13
30	.63	3.9	11	45	---	63	30	70	30	9.6	6.0	11
31	.63	---	169	40	---	306	---	200	---	7.0	8.0	---
TOTAL	18.37	76.68	600.1	5231	2365	3659	6132	1607	1522	915.6	220.5	1282.0
MEAN	.59	2.56	19.4	169	84.5	118	204	51.8	50.7	29.5	7.11	42.7
MAX	1.2	14	169	1100	393	555	1500	250	250	320	35	250
MIN	.34	.63	2.8	28	25	33	30	19	12	7.0	1.5	5.0
CFSM	.02	.10	.72	6.26	3.13	4.37	7.56	1.92	1.88	1.09	.76	1.58
IN.	.03	.11	.83	7.21	3.26	5.04	8.45	2.21	2.10	1.26	.30	1.77

CAL YR 1978 TOTAL 12696.89 MEAN 34.8 MAX 1390 MIN .34 CFSM 1.29 IN 17.49
WTR YR 1979 TOTAL 23629.25 MEAN 64.7 MAX 1500 MIN .34 CFSM 2.40 IN 32.55

02429949 LITTLE BROWN CREEK NEAR NEW SITE, MS

LOCATION.--Lat 34°32'14", long 88°24'02", in NW¼ sec.30, T.6 S., R.9 E., Chickasaw Meridian, Prentiss County, Hydrologic Unit 03160101, at right bank on downstream side of bridge on State Highway 4, 1.8 mi (2.9 km) southwest of New Site, and 5.2 mi (8.4 km) upstream from West Canal Little Brown Creek. Records include flow in West Canal Little Brown Creek.

DRAINAGE AREA.--42.1 mi² (109 km²) combined drainage area of all channels.

PERIOD OF RECORD.--June 1973 to current year.

GAGE.--Water-stage recorder. Datum of gage on main channel is 312.64 ft (95.293 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Water-stage recorder on West Canal Little Brown Creek, 0.2 mi (0.3 km) northwest of base gage.

REMARKS.--Records fair. Discharge computed by combining the flow of individually rated channels.

AVERAGE DISCHARGE.--6 years, 81.9 ft³/s (2.319 m³/s), 26.42 in/yr (671 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,240 ft³/s (120 m³/s) Mar. 13, 1975, gage height, 13.86 ft (4.224 m); minimum daily, 6.8 ft³/s (0.193 m³/s) Sept. 4, 1977.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 3,000 ft³/s (85.0 m³/s) Apr. 12, gage height, unknown, only peak above base of 1,600 ft³/s (45.3 m³/s). Maximum gage height at West Canal, 13.20 ft (4.023 m) Apr. 12. Minimum daily discharge, 8.4 ft³/s (0.24 m³/s) Oct. 3.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.0	9.1	16	938	45	106	251	38	69	22	17	80
2	8.8	8.8	18	362	42	85	818	37	109	19	19	134
3	8.4	8.8	27	107	56	435	716	68	202	18	21	63
4	8.9	8.7	135	68	51	662	391	326	85	16	19	56
5	8.7	8.7	27	58	43	180	204	163	53	15	25	34
6	8.7	9.4	18	87	61	121	114	98	46	15	20	28
7	8.7	20	17	398	178	102	85	69	52	15	19	25
8	9.3	15	169	191	103	92	86	53	41	17	18	23
9	9.0	13	226	103	76	75	85	47	36	28	19	21
10	9.3	11	60	70	62	119	98	44	37	23	18	21
11	9.6	9.7	38	58	57	99	280	43	34	31	36	20
12	10	9.6	29	53	56	77	1990	63	31	363	29	19
13	12	9.1	26	54	50	67	888	54	28	112	21	312
14	14	8.8	24	48	48	61	296	41	24	52	18	366
15	11	17	23	41	46	54	156	35	22	34	18	80
16	10	27	29	40	41	49	98	31	20	25	17	45
17	10	32	27	40	40	48	88	28	19	22	16	34
18	11	16	24	42	53	46	76	26	17	19	16	39
19	10	11	23	63	52	44	69	25	17	41	16	39
20	9.9	10	27	1030	60	67	62	27	20	69	15	50
21	9.4	10	81	908	195	117	58	40	246	47	16	447
22	9.4	11	37	220	111	83	63	61	124	23	17	169
23	8.9	18	29	146	128	746	78	54	54	18	15	78
24	8.9	15	27	156	225	324	71	40	70	18	16	50
25	8.7	13	24	100	519	191	83	28	47	17	32	41
26	14	13	23	85	206	84	65	26	34	15	58	36
27	14	22	22	113	131	100	56	31	26	14	79	36
28	12	15	21	81	105	106	46	52	23	23	24	34
29	10	17	21	63	---	80	42	113	21	20	22	31
30	9.8	18	42	58	---	89	39	96	36	18	22	29
31	9.5	---	233	53	---	324	---	198	---	18	44	---
TOTAL	310.9	414.7	1543	5834	2840	4833	7452	2055	1643	1187	742	2440
MEAN	10.0	13.8	49.8	188	101	156	248	66.3	54.8	38.3	23.9	81.3
MAX	14	32	233	1030	519	746	1990	326	246	363	79	447
MIN	8.4	8.7	16	40	40	44	39	25	17	14	15	19
CFSM	.24	.33	1.18	4.47	2.40	3.71	5.89	1.58	1.30	.91	.57	1.93
IN.	.27	.37	1.36	5.15	2.51	4.27	6.58	1.82	1.45	1.05	.66	2.16
CAL YR 1978	TOTAL	20096.3	MEAN	55.1	MAX	2180	MIN	7.2	CFSM	1.31	IN	17.76
WTR YR 1979	TOTAL	31294.6	MEAN	85.7	MAX	1990	MIN	8.4	CFSM	2.04	IN	27.65

MOBILE RIVER BASIN

02429962 LITTLE BROWN CREEK NEAR HAZELDELL, MS

LOCATION.--Lat 34°28'13", long 88°25'27", in SE¼ sec.14, T.7 S., R.8 E., Chickasaw Meridian, Prentiss County, Hydrologic Unit 03160101, at Natchez Trace Parkway, 1.7 mi (2.7 km) southwest of Hazeldell, 4.1 mi (6.6 km) northeast of Kirkville, 3.4 mi (5.5 km) southeast of Marietta, and 3.9 mi (6.3 km) northeast of intersection of State Highway 371 and the Natchez Trace Parkway.

DRAINAGE AREA.--50.8 mi² (131.5 km²).

PERIOD OF RECORD.--October 1978 to October 1979 (discontinued).

DATE	TIME	STREAV- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE, WATER (DEG C)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, RUCHEM UNINHIR 5 DAY (MG/L)
OCT , 1978								
25...	1030	17	47	6.4	11.0	10	7.2	2.6
MAR , 1979								
06...	1315	142	34	6.1	9.5	29	10.3	1.6
JUL								
03...	1115	20	51	6.0	23.0	20	6.9	2.2
OCT								
02...	1400	31	57	6.6	19.0	15	6.8	2.5

DATE	OXYGEN DEMAND, BIC- CHEM- ICAL 30 DAY (MG/L)	BICAR- BONATE (MG/L HCO3)	CAR- BONATE (MG/L AS CO3)	ALKA- LITY (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)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)
OCT , 1978									
25...	--	14	0	11	8.9	.00	.00	.19	.19
MAR , 1979									
06...	--	10	0	8	13	.08	.02	.42	.44
JUL									
03...	--	17	0	14	27	.07	.09	.19	.28
OCT									
02...	3.9	--	--	17	--	.02	.04	.15	.19

DATE	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)
OCT , 1978								
25...	.19	.84	.030	.010	0	10	14	<.5
MAR , 1979								
06...	.52	2.3	.040	.020	0	<10	3	<.5
JUL								
03...	.35	1.6	.060	.020	1	20	6	<.5
OCT								
02...	.21	.93	.050	.020	--	--	--	--

DATE	PCB, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDD, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- AZINON, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- ELDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ETHION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)
OCT , 1978												
25...	0	.0	0	.0	.2	.0	.0	.0	.0	.0	.0	.0
OCT , 1979												
02...	2	.0	20	6.0	3.7	2.4	.0	.0	.0	.0	.0	.0

DATE	LINDANE TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	MALA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	METH- OXY- CHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARA- THION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRI- THION, TOT. IN BOTTOM MATL. (UG/KG)	PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	TOXA- PHENE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	TRI- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	2,4-D, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	2,4,5-T TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	SILVEX, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
OCT , 1978											
25...	.0	.0	.0	.0	.0	.0	0	.0	0	0	.0
OCT , 1979											
02...	.0	.0	.0	.0	.0	.0	0	.0	0	0	.0

MOBILE RIVER BASIN

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02429980 POLLARD MILL BRANCH NEAR PADEN, MS

LOCATION.--Lat 34°39'10", long 88°15'00", in SE¼ sec.9, T.5 S., R.10 E., Chickasaw Meridian, Tishomingo County, Hydrologic Unit 03160101, at culvert on State Highway 30, 0.8 mi (1.3 km) east of Paden.

DRAINAGE AREA.--2.05 mi² (5.31 km²).

PERIOD OF RECORD.--Annual maximums, water years 1967-72. October 1972 to current year.

GAGE.--Water-stage recorder and culvert control. Altitude of gage is 440 ft (134 m) from topographic map.

REMARKS.--Records fair.

AVERAGE DISCHARGE.--7 years, 7.67 ft³/s (0.217 m³/s), 50.81 in/yr (1291 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 445 ft³/s (12.6 m³/s) Mar. 16, 1973, gage height, 5.65 ft (1.722 m), from rating extended above 20 ft³/s (0.57 m³/s) on basis of computation of peak flow through culvert; minimum, 2.6 ft³/s (0.074 m³/s) Oct. 13, 1973; minimum gage height, 2.36 ft (0.719 m) Oct. 24-27, 1974.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 197 ft³/s (5.58 m³/s) Sept. 13, gage height, 4.07 ft (1.241 m) from rating extended above 20 ft³/s (0.57 m³/s) on basis of computation of peak flow through culvert; minimum, 2.1 ft³/s (0.059 m³/s) Oct. 6, gage height, 2.44 ft (0.744 m).

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.0	3.8	3.4	3.0	6.0	8.4	10	5.0	5.5	3.8	3.8	51
2	3.0	3.8	3.4	10	6.0	7.8	60	5.0	7.8	5.0	3.8	14
3	3.0	3.8	9.1	7.0	7.2	41	30	8.4	7.8	4.6	3.8	7.8
4	3.0	3.8	11	5.0	6.0	15	12	28	5.5	3.4	3.8	7.2
5	3.0	3.8	3.8	4.5	5.5	9.8	9.0	8.4	5.5	3.8	4.2	6.6
6	3.0	3.8	3.4	3.0	9.1	9.1	7.0	6.6	6.6	3.8	4.2	6.0
7	3.0	4.2	3.4	20	11	8.4	6.0	6.6	5.0	4.2	3.8	5.0
8	3.0	5.0	29	10	6.6	7.8	5.0	6.0	4.6	5.0	3.8	4.6
9	3.0	4.2	12	8.0	6.0	7.8	10	5.5	4.2	5.0	3.8	4.2
10	3.0	3.8	6.0	6.0	5.5	11	6.0	5.0	4.2	4.2	5.0	3.8
11	3.0	3.8	4.6	5.0	7.2	7.2	10	4.6	4.2	7.2	11	3.4
12	3.0	3.8	4.6	4.5	5.5	6.6	80	6.6	4.2	29	7.2	5.5
13	5.5	3.8	4.2	6.0	5.0	6.6	50	5.0	3.8	6.6	6.0	90
14	3.8	3.8	3.8	5.0	5.0	6.6	30	4.2	3.8	5.0	5.5	22
15	3.4	4.2	3.8	4.5	5.5	7.2	17	4.2	3.8	4.6	5.5	12
16	3.4	7.8	4.6	4.2	5.5	5.5	12	4.2	3.8	4.2	5.5	9.8
17	3.8	7.8	4.2	4.0	5.5	5.5	10	3.8	3.8	3.8	5.0	8.4
18	3.8	4.2	3.8	4.6	6.6	5.5	15	4.2	3.8	4.2	5.0	26
19	3.8	3.8	3.8	8.4	6.0	5.5	8.0	5.0	3.8	3.8	5.0	11
20	3.4	3.4	6.0	72	6.6	8.4	6.0	4.6	3.4	7.8	5.5	30
21	3.4	3.8	7.8	42	12	7.8	5.0	4.6	17	6.6	5.5	58
22	3.0	4.2	4.6	13	7.2	9.1	6.0	5.5	5.0	4.6	6.0	28
23	3.4	5.5	4.2	12	9.8	40	8.0	7.2	4.6	4.6	6.0	11
24	3.4	4.6	3.8	11	14	8.4	5.0	5.0	6.6	5.0	9.8	7.2
25	3.4	3.8	3.8	7.8	26	6.6	6.6	4.2	4.6	4.6	17	6.0
26	3.4	4.6	3.6	7.8	11	5.5	6.6	4.2	4.2	4.2	15	5.5
27	3.4	4.6	3.4	9.8	9.1	7.8	5.5	6.6	3.8	4.2	9.8	5.0
28	3.4	3.4	3.8	7.2	9.1	6.0	5.5	5.5	4.2	4.2	7.2	4.6
29	3.0	4.6	3.6	6.6	---	5.4	5.0	5.5	4.2	4.2	6.6	4.2
30	3.4	3.8	5.5	6.6	---	5.0	5.0	9.1	4.2	3.8	6.0	4.2
31	3.8	---	5.0	6.6	---	4.7	---	8.4	---	3.8	5.5	---
TOTAL	104.3	129.3	222.4	379.1	225.5	297.0	451.2	196.7	153.5	168.8	195.6	462.0
MEAN	3.36	4.31	7.17	12.2	8.05	9.58	15.0	6.35	5.12	5.45	6.31	15.4
MAX	5.5	7.8	50	72	26	41	80	28	17	29	17	90
MIN	3.0	3.4	3.0	4.0	5.0	4.7	5.0	3.8	3.4	3.4	3.8	3.4
CFSM	1.64	2.10	3.50	5.45	3.93	4.67	7.32	3.10	2.50	2.66	3.08	7.51
IN	1.89	2.35	4.03	6.88	4.09	5.39	8.18	3.57	2.78	3.06	3.55	8.38
CAL YR 1978	TOTAL	2095.5	MEAN	5.74	MAX	106	MIN	3.0	CFSM	2.80	IN	38.01
WTR YR 1979	TOTAL	2985.0	MEAN	8.18	MAX	90	MIN	3.0	CFSM	3.99	IN	54.15

MOBILE RIVER BASIN

02430000 MACKEYS CREEK NEAR DENNIS, MS

LOCATION.--Lat 34°31'34", long 88°19'22", in NE¼SW¼ sec.26, T.6 S., R.9 E., Chickasaw Meridian, Tishomingo County, Hydrologic Unit 03160101, on left bank at downstream side of old crossing 0.1 mi (0.2 km) downstream from bridge on State Highway 4 at Narrows dam site, 6 mi (10 km) southwest of Dennis, and 10 mi (16 km) upstream from confluence with Big Brown Creek.

DRAINAGE AREA.--66.8 mi² (173 km²).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1937 to October 1979; discontinued. Prior to January 1944, monthly discharge only, published in WSP 1304. Prior to October 1966, published as Mackys Creek near Dennis.

REVISED RECORDS.--WSP 1504: 1939-40(M), 1944-46(M), 1948, 1949(P), 1950(M), 1951. WRD Miss. 1972: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 333.47 ft (101.642 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to Oct. 15, 1948, nonrecording gage at same site and datum.

REMARKS.--Records good. Flow may have been augmented due to ground-water pumpage since March 1977.

AVERAGE DISCHARGE.--42 years, 108 ft³/s (3.059 m³/s), 21.96 in/yr (558 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 16,300 ft³/s (462 m³/s) Mar. 21, 1955, gage height, 28.44 ft, (8.669 m), from rating curve extended above 6,700 ft³/s (190 m³/s) on basis of slope-area measurement of peak flow; minimum since Jan. 1, 1944, 8.2 ft³/s (0.23 m³/s) Sept. 3, 4, 5, 1954.

EXTREMES FOR WATER YEAR 1979.--Peak discharges above base of 1,500 ft³/s (42.5 m³/s) and maximum (*):

Date	Time	Discharge		Gage height		Date	Time	Discharge		Gage height	
		(ft ³ /s)	(m ³ /s)	(ft)	(m)			(ft ³ /s)	(m ³ /s)	(ft)	(m)
Jan. 1	1945	2020	57.2	14.73	4.490	Apr. 12	1815	*3570	101	18.43	5.617
Jan. 20	2315	1710	48.4	13.47	4.106	Sept. 14	1900	2670	75.6	16.79	5.118

Minimum discharge, 24 ft³/s (0.680 m³/s) Aug. 18, gage height, 2.31 ft (0.704 m), result of temporary regulation; minimum unregulated, 32 ft³/s (0.91 m³/s) Oct. 1, gage height, 2.45 ft (0.747 m).

EXTREMES FOR OCTOBER 1979.--Maximum discharge during period, 92 ft³/s (2.61 m³/s) Oct. 4, gage height 3.15 ft (0.960 m), no peak above base of 1,500 ft³/s (42.5 m³/s); minimum 59 ft³/s (1.67 m³/s) Oct. 9, gage height, 2.86 ft (0.872 m).

DISCHARGE IN CUBIC FEET PER SECOND, 1980
MEAN VALUES

Oct. 1, 1979... 73	Oct. 4, 1979... 76	Oct. 7, 1979... 68	Oct. 10, 1979... 84	Oct. 13, 1979... 64
2..... 68	5..... 81	8..... 66	11..... 80	14..... 61
3..... 62	6..... 71	9..... 62	12..... 69	15..... 62

MOBILE RIVER BASIN

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02430000 MACKEYS CREEK NEAR DENNIS, MS--Continued

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	36	38	65	1390	112	160	334	88	175	92	52	98
2	37	39	59	1100	106	129	704	87	123	75	54	624
3	35	40	63	222	126	291	1030	117	164	70	55	392
4	38	42	308	141	127	757	539	368	143	66	52	286
5	37	43	171	126	112	309	357	377	111	62	59	119
6	36	42	85	169	114	175	215	221	98	59	67	82
7	35	45	71	703	280	148	166	152	103	56	57	73
8	35	47	198	575	186	136	146	122	94	61	52	65
9	35	46	683	186	138	120	175	110	79	96	56	59
10	36	45	285	145	119	153	154	103	71	105	55	57
11	36	44	112	133	114	173	160	93	74	84	94	55
12	35	46	89	121	114	121	2070	115	60	538	101	51
13	39	48	80	121	110	107	1970	123	56	408	79	361
14	54	46	76	116	105	103	571	101	56	142	67	2170
15	42	45	70	98	103	101	293	87	54	94	60	2090
16	41	112	80	94	102	96	204	80	51	81	57	456
17	40	123	86	99	96	93	165	73	51	68	54	124
18	38	119	73	105	117	89	146	69	51	58	54	113
19	37	72	70	117	119	90	111	67	49	54	54	116
20	37	59	73	1000	120	95	64	73	47	63	56	113
21	38	54	180	1410	248	201	59	76	174	380	54	524
22	40	53	117	670	226	135	60	120	291	208	58	488
23	38	73	86	279	144	649	81	104	143	105	60	207
24	38	73	78	290	200	645	70	122	114	92	56	125
25	38	61	72	188	461	199	81	92	120	87	65	101
26	39	57	69	158	358	153	68	78	95	80	112	90
27	42	74	69	192	186	138	62	85	80	73	106	86
28	42	70	65	162	150	200	65	117	69	68	91	84
29	38	63	61	133	---	126	81	110	64	65	84	80
30	39	74	93	126	---	106	91	106	117	62	70	75
31	38	---	330	120	---	196	---	259	---	56	79	---
TOTAL	1189	1793	4017	10489	4493	6194	10292	3895	2977	3608	2070	9364
MEAN	38.4	59.8	130	338	160	200	343	126	99.2	116	66.8	312
MAX	54	123	683	1410	461	757	2070	377	291	538	112	2170
MIN	35	38	59	94	96	89	59	67	47	54	52	51
CFSM	.58	.90	1.95	5.06	2.40	2.99	5.14	1.89	1.49	1.74	1.00	4.67
IN.	.66	1.00	2.24	5.84	2.50	3.45	5.73	2.17	1.66	2.01	1.15	5.21

CAL YR 1978 TOTAL 40069 MEAN 110 MAX 2570 MIN 30 CFSM 1.65 IN 22.31
WTR YR 1979 TOTAL 60381 MEAN 165 MAX 2170 MIN 35 CFSM 2.47 IN 33.62

MOBILE RIVER BASIN

02430000 MACKEYS CREEK NEAR DENNIS, MS--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1960, 1972 to September 1979 (discontinued).

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: July 1973 to December 1979 (discontinued).
 pH: July 1973 to December 1979 (discontinued).
 WATER TEMPERATURE: July 1973 to December 1979 (discontinued).
 TURBIDITY: November 1974 to December 1979 (discontinued).
 DISSOLVED OXYGEN: July 1973 to December 1979 (discontinued).
 SUSPENDED SEDIMENT CONCENTRATION: November 1977 to October 1979 (discontinued).
 SUSPENDED SEDIMENT DISCHARGE: November 1977 to October 1979 (discontinued).

INSTRUMENTATION.--Water-quality monitor from July 1973 to December 1979. Automatic pumping sediment sampler from November 1977 to October 1979.

REMARKS.--Interruptions in the record were due to malfunctions of the instrument.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 103 micromhos July 13, 1978; minimum, 26 micromhos May 6, 1978.
 pH: Maximum, 6.6 units July 17, Sep. 20, 1978; minimum, 4.8 units May 8, 1978.
 WATER TEMPERATURES: Maximum, 29.5°C June 28, 29, 1978; minimum, 0.5°C Jan. 11, 20, 21, 28, 29, Feb. 6-8, 1978.
 TURBIDITY: Maximum, 950 NTU July 11, 1978; minimum, 20 NTU Nov. 15-17, 1977, July 13, 1978.

EXTREMES OUTSIDE PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 89 micromhos May 8, 1975; minimum, 20 micromhos Apr. 26, 1975, Mar 12, 1977.
 pH: Maximum, 7.8 units Oct. 26, 1973; minimum, 4.5 units May 12, 1974.
 WATER TEMPERATURES: Maximum, 28.5°C July 7, 8, 1977; minimum, 1.5°C Dec. 5, 1974, Feb. 2, 1977.
 TURBIDITY: Maximum, 250 NTU June 18, 1976; minimum, 3 NTU on many days in water year 1975, Apr. 13, 1977.
 DISSOLVED OXYGEN: Maximum, 14.0 mg/L Dec. 5, 1974; minimum, 2.7 mg/L Nov. 23, 1973.
 SUSPENDED SEDIMENT CONCENTRATION: Maximum, 2110 mg/L July 11, 1978; minimum, 7 mg/L Dec. 28, 1977.
 SUSPENDED SEDIMENT DISCHARGE: Maximum, 1960 T/day May 7, 1978; minimum, 1.6 T/day Dec. 28, 1977.

EXTREMES FOR CURRENT PERIOD.--Water year 1979.

WATER TEMPERATURES: Maximum, 28.5°C. July 30, 31, Aug. 8; minimum, 0.0°C. Jan. 9.
 TURBIDITY: Maximum, 1000 NTU Sept. 13; minimum, 7 NTU Aug. 19, 24.

October to December 1979

SPECIFIC CONDUCTANCE: Maximum, 68 micromhos Oct. 1; minimum, 30 micromhos Dec. 11.
 pH: Maximum, 6.4 units Oct. 22; minimum, 5.3 units Nov. 9-11.
 WATER TEMPERATURE: Maximum, 22.0°C. Oct. 1, 2; minimum, 4.0°C. Dec. 18.

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE, WATER (DEG C)	COLOR (PLAT- INUM COBALT UNITS)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEM 5 DAY (MG/L)
OCT										
04...	0930	38	52	6.5	17.0	150	40	8.3	5	2.0
NOV										
08...	0915	47	44	6.3	11.0	200	50	9.3	14	2.2
DEC										
05...	1000	160	95	5.6	8.5	250	40	10.0	26	3.4
JAN										
09...	0900	194	39	5.6	.0	30	15	12.1	13	2.7
FEB										
06...	0915	105	42	6.5	3.5	30	15	11.8	75	2.8
MAR										
07...	0915	144	40	6.0	9.5	150	50	10.0	1	1.8
APR										
04...	0815	557	33	5.6	16.0	50	50	8.7	23	2.4
MAY										
09...	0845	110	49	6.1	19.5	60	35	7.3	12	.8
JUN										
06...	1000	98	54	6.0	22.0	80	25	6.8	16	2.6
JUL										
04...	1000	70	73	6.6	25.5	70	20	6.4	12	1.9
AUG										
08...	0930	51	62	5.9	26.5	35	10	5.9	30	--
SEP										
06...	0945	82	68	5.9	25.0	40	10	6.1	4	--

MOBILE RIVER BASIN

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02430000 MACKEYS CREEK NEAR DENNIS, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	OXYGEN DEMAND, BIO- CHEM- ICAL 30 DAY (MG/L)	COLI- FORM, TOTAL, IMMED. (COLS. PER 100 ML)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	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)	BICAR- BONATE (MG/L AS HCO3)	CAR- BONATE (MG/L AS CO3)	ALKA- LINITY (MG/L AS CACO3)
OCT 04...	3.0	140	230	16	5	3.9	1.4	13	0	11
NOV 08...	--	380	480	13	2	3.2	1.1	13	0	11
DEC 05...	--	750	K1300	30	27	7.7	2.7	4	0	3
JAN 09...	--	130	170	16	8	4.0	1.4	10	0	8
FEB 06...	--	K35	K60	13	5	3.3	1.2	10	0	8
MAR 07...	--	110	120	11	2	2.9	1.0	12	0	10
APR 04...	--	310	330	10	3	2.4	.9	8	0	7
MAY 09...	--	170	160	13	7	3.2	1.3	8	0	7
JUN 06...	--	170	K80	18	5	4.7	1.5	16	0	13
JUL 04...	--	220	K150	40	21	12	2.4	23	0	19
AUG 08...	--	350	K160	21	13	4.5	2.3	9	0	7
SEP 06...	--	150	K61	23	13	6.0	1.9	12	0	10

DATE	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	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, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)
OCT 04...	6.6	9.1	2.2	36	.05	3.69	.04	.02	.06
NOV 08...	10	5.9	2.2	34	.05	4.31	.00	.02	.01
DEC 05...	16	35	2.5	76	.10	32.8	.13	.02	.15
JAN 09...	40	12	1.6	40	.05	21.0	.21	.01	.22
FEB 06...	5.1	10	1.6	38	.05	10.8	.14	.00	.14
MAR 07...	19	9.4	1.5	36	.05	14.0	.05	.03	.08
APR 04...	32	7.7	1.2	36	.05	54.1	.03	.02	.05
MAY 09...	10	11	1.7	44	.06	13.1	.08	.02	.10
JUN 06...	26	11	1.9	46	.06	12.2	.08	.01	.09
JUL 04...	9.2	15	1.9	50	.07	9.45	.01	.01	.02
AUG 08...	18	13	2.3	50	.07	6.88	.06	.00	.06
SEP 06...	24	16	1.7	60	.08	13.3	.09	.01	.10

MOBILE RIVER BASIN

02430000 MACKEYS CREEK NEAR DENNIS, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N03)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	CARRON, ORGANIC TOTAL (MG/L AS C)
OCT									
04...	.01	.29	.30	.36	1.6	.060	.000	<.5	2.4
NOV									
08...	.05	.12	.17	.18	.80	.050	.000	<.5	4.0
DEC									
05...	.15	.95	1.1	1.3	5.5	.070	.010	<.5	5.6
JAN									
09...	.17	.07	.24	.46	2.0	.030	.000	<.5	2.5
FEB									
06...	.04	.19	.23	.37	1.6	.010	.000	<.5	1.9
MAR									
07...	.06	.09	.15	.23	1.0	.040	.010	<.5	5.5
APR									
04...	.01	.28	.29	.34	1.5	.040	.010	.5	4.1
MAY									
09...	.09	.17	.26	.36	1.6	.050	.010	.5	4.6
JUN									
06...	.07	.30	.37	.46	2.0	.040	.000	<.5	4.0
JUL									
04...	.05	.22	.27	.29	1.3	.030	.010	<.5	4.3
AUG									
08...	.02	.19	.21	.27	1.2	.020	.010	<.5	2.9
SEP									
06...	.16	.15	.31	.41	1.8	.030	.010	<.5	3.9

DATE	ARSENIC TOTAL (UG/L AS AS)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	PHENOLS (UG/L)
OCT									
04...	0	0	<10	3	6200	3	100	30	0
JAN									
09...	0	0	10	2	1300	6	240	30	15
APR									
04...	1	0	10	4	3800	7	230	40	5
JUL									
04...	1	0	20	3	1800	5	180	20	0

MOBILE RIVER BASIN

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02430000 MACKEYS CREEK NEAR DENNIS, MS--Continued
 PESTICIDE ANALYSES, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	PCB, TOTAL (UG/L)	NAPH- THA- LENES, POLY- CHLOR, TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLOR- DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)	DI- AZINON, TOTAL (UG/L)	DI- ELDRIN TOTAL (UG/L)
OCT 04...	.0	.00	.00	.0	.00	.00	.00	.00	.00
JAN 09...	.0	.00	.00	.0	.00	.00	.00	.00	.00
APR 04...	.0	.00	.00	.0	.00	.00	.00	.00	.00
JUL 04...	.0	.00	.00	.0	.00	.00	.00	.00	.00

DATE	ENDO- SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTA- CHLOR, TOTAL (UG/L)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALA- THION, TOTAL (UG/L)	METH- OXY- CHLOR, TOTAL (UG/L)	METHYL PARA- THION, TOTAL (UG/L)
OCT 04...	.00	.00	.00	.00	.00	.00	.00	.00	.00
JAN 09...	.00	.00	.00	.00	.00	.00	.00	.00	.00
APR 04...	.00	.00	.00	.00	.00	.00	.00	.00	.00
JUL 04...	.00	.00	.00	.00	.00	.00	.00	.00	.00

DATE	METHYL TRI- THION, TOTAL (UG/L)	MIREX, TOTAL (UG/L)	PARA- THION, TOTAL (UG/L)	PER- THANE TOTAL (UG/L)	TOX- APHENE, TOTAL (UG/L)	TOTAL TRI- THION TOTAL (UG/L)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
OCT 04...	.00	.00	.00	.00	0	.00	.00	.00	.00
JAN 09...	.00	.00	.00	.00	0	.00	.00	.00	.00
APR 04...	.00	.00	.00	.00	0	.00	.00	.00	.00
JUL 04...	.00	.00	.00	.00	0	.00	.00	.00	.00

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SEDI- MENT, SUS- PENDED (MG/L)	SEDI- MENT DIS- CHARGE, SUS- PENDED (T/DAY)	DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SEDI- MENT, SUS- PENDED (MG/L)	SEDI- MENT DIS- CHARGE, SUS- PENDED (T/DAY)
OCT 04...	1000	38	62	6.4	APR 26...	1200	66	10	1.8
10...	1140	37	122	12	MAY 03...	1415	124	13	4.4
26...	1345	40	139	15	11...	1200	90	1	.24
NOV 09...	1300	46	25	3.1	21...	1310	73	44	8.7
27...	1355	78	29	6.1	JUN 07...	1130	103	5	1.4
30...	1300	75	34	6.9	14...	1020	60	179	24
DEC 14...	1205	76	48	9.8	JUL 13...	1420	349	57	54
JAN 05...	1000	127	27	9.3	25...	1640	87	67	16
12...	1100	119	24	7.7	AUG 08...	0930	51	62	8.5
20...	1405	981	451	1200	16...	0950	57	23	3.5
20...	1705	1360	784	2880	SEP 07...	1055	76	21	4.3
21...	1005	1370	30	111	13...	1215	192	1920	995
FEB 15...	1510	102	16	4.4	13...	1510	553	556	830
26...	1740	352	74	70	20...	1200	103	30	8.3
MAR 22...	1145	132	39	14	27...	1540	85	23	5.3
27...	0940	126	107	36					
APR 05...	1200	337	82	75					
19...	1045	133	75	27					

MOBILE RIVER BASIN

02430000 MACKEYS CREEK NEAR DENNIS, MS--Continued

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	55	50	52	43	39	41	57	50	51	---	---	---
2	54	49	50	43	39	41	67	58	64	---	---	---
3	52	49	52	58	43	43	60	38	52	---	---	---
4	53	49	52	58	42	44	71	34	44	---	---	---
5	49	47	48	42	41	42	98	76	93	---	---	---
6	50	48	50	41	41	41	89	81	84	---	---	---
7	48	44	46	52	41	44	---	---	---	---	---	---
8	52	46	48	52	45	46	---	---	---	---	---	---
9	54	46	48	49	44	46	---	---	---	---	---	---
10	48	47	48	46	44	45	---	---	---	---	---	---
11	55	48	51	45	43	44	---	---	---	---	---	---
12	54	48	49	45	43	44	58	53	55	59	52	54
13	49	45	48	46	45	45	53	51	52	55	50	53
14	52	44	48	45	44	44	51	49	50	70	54	65
15	53	50	52	44	40	43	50	49	50	74	60	66
16	53	49	52	54	38	46	50	31	39	64	55	59
17	53	45	49	58	51	56	---	---	---	55	50	53
18	59	45	52	---	---	---	---	---	---	58	51	54
19	60	42	49	---	---	---	---	---	---	---	---	---
20	42	39	42	---	---	---	---	---	---	---	---	---
21	42	39	41	---	---	---	---	---	---	---	---	---
22	43	41	42	---	---	---	---	---	---	---	---	---
23	43	38	41	---	---	---	---	---	---	25	21	23
24	44	42	43	---	---	---	---	---	---	31	22	25
25	44	37	41	---	---	---	---	---	---	39	30	34
26	38	37	38	---	---	---	---	---	---	29	28	28
27	41	38	39	---	---	---	---	---	---	28	26	27
28	41	38	39	55	48	51	---	---	---	33	27	31
29	43	39	41	65	55	62	---	---	---	35	28	32
30	44	41	43	61	51	54	---	---	---	31	27	29
31	44	42	43	---	---	---	---	---	---	39	27	33
FEBRUARY			MARCH			APRIL			MAY			
1	45	36	31	52	40	47	45	36	40	39	38	39
2	38	35	31	54	39	45	46	29	35	40	39	40
3	35	25	29	41	25	34	39	32	35	40	37	38
4	30	24	27	45	25	37	35	31	33	38	32	33
5	37	29	36	56	40	45	37	34	34	40	38	39
6	37	28	32	55	38	44	39	37	38	43	40	41
7	43	25	30	47	37	41	38	35	37	45	40	43
8	46	38	43	49	34	40	36	34	36	46	42	44
9	42	38	40	49	31	39	36	34	35	48	46	48
10	46	35	40	37	33	35	35	34	35	48	47	48
11	43	32	37	---	---	---	41	34	39	59	47	53
12	35	24	31	---	---	---	37	21	29	58	51	54
13	35	27	30	---	---	---	---	---	---	56	52	55
14	31	28	28	---	---	---	---	---	---	57	56	57
15	40	26	34	---	---	---	---	---	---	57	55	56
16	49	40	44	40	39	40	---	---	---	55	41	47
17	60	45	54	---	---	---	---	---	---	44	43	43
18	44	38	40	---	---	---	---	---	---	43	42	43
19	62	42	48	---	---	---	37	34	38	43	42	42
20	65	46	55	---	---	---	34	26	28	43	42	42
21	46	28	35	---	---	---	27	26	27	44	43	43
22	46	31	42	39	38	39	28	27	27	42	37	40
23	---	---	---	37	24	30	27	26	27	43	39	41
24	---	---	---	41	35	38	27	27	27	42	38	40
25	---	---	---	50	34	42	27	27	27	43	42	43
26	---	---	---	62	42	48	27	27	27	44	43	44
27	---	---	---	47	37	43	28	27	27	43	39	42
28	---	---	---	44	39	41	30	27	27	43	39	41
29	---	---	---	41	39	40	36	30	33	44	43	43
30	---	---	---	42	40	41	38	36	37	45	40	44
31	---	---	---	43	30	37	---	---	---	46	36	41

MOBILE RIVER BASIN

02430000 MACKEYS CREEK NEAR DENNIS, MS--Continued

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

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	6.6	6.5	6.4	6.3	6.3	6.2	---	---	6.2	6.0	5.9	5.8
2	6.6	6.5	6.4	6.2	6.4	6.3	---	---	6.2	6.1	6.0	5.9
3	6.6	6.6	6.5	6.3	6.4	6.0	---	---	6.3	6.2	6.1	5.8
4	6.6	6.6	6.5	6.4	6.0	5.5	---	---	6.3	6.2	---	---
5	6.6	6.5	6.4	6.4	5.7	5.5	5.8	5.7	6.3	6.2	---	---
6	6.6	6.5	6.5	6.4	5.8	5.7	5.8	5.7	6.3	6.3	---	---
7	6.4	6.2	6.5	6.4	---	---	5.8	5.6	6.2	6.0	5.9	5.7
8	6.5	6.4	6.5	6.4	---	---	---	---	6.1	6.0	5.9	5.8
9	6.6	6.5	6.5	6.4	---	---	---	---	6.2	6.1	6.0	5.8
10	6.6	6.5	6.5	6.4	---	---	5.7	5.6	6.2	6.1	6.0	5.8
11	6.6	6.6	6.5	6.4	---	---	5.8	5.7	6.4	6.2	6.0	5.8
12	6.6	6.5	6.5	6.4	5.7	5.6	5.9	5.8	6.4	6.3	6.1	5.9
13	6.5	6.4	6.5	6.4	5.8	5.7	5.9	5.9	6.5	6.4	6.0	5.9
14	6.4	6.4	6.5	6.4	5.9	5.8	6.0	5.9	6.4	6.4	6.1	6.0
15	6.4	6.3	6.5	6.4	6.0	5.9	6.0	5.9	6.4	6.3	6.1	6.0
16	6.5	6.4	6.3	5.9	6.2	5.9	6.1	6.0	6.4	6.3	6.1	6.0
17	6.6	6.4	5.9	5.8	---	---	6.1	6.0	6.3	6.3	6.1	6.1
18	6.6	6.5	---	---	---	---	6.2	6.1	6.3	6.2	---	---
19	6.6	6.5	---	---	---	---	6.2	6.1	6.3	6.3	---	---
20	6.5	6.5	---	---	---	---	6.0	5.8	6.4	6.3	---	---
21	6.5	6.4	---	---	---	---	---	---	6.3	6.0	---	---
22	6.5	6.5	---	---	---	---	---	---	6.2	6.0	6.1	6.0
23	6.5	6.4	---	---	---	---	---	---	---	---	6.1	5.3
24	6.5	6.4	---	---	---	---	5.7	5.6	---	---	5.5	5.3
25	6.4	6.3	---	---	---	---	5.7	5.6	---	---	5.7	5.5
26	6.4	6.3	---	---	---	---	5.9	5.7	---	---	5.8	5.7
27	6.3	6.3	---	---	---	---	5.9	5.9	---	---	5.8	5.6
28	6.3	6.3	6.3	6.3	---	---	5.9	5.9	---	---	5.9	5.7
29	6.4	6.3	6.3	6.3	---	---	6.1	5.9	---	---	5.9	5.7
30	6.4	6.3	6.3	6.2	---	---	6.1	6.0	---	---	5.9	5.8
31	6.4	6.3	---	---	---	---	6.1	6.1	---	---	5.9	5.8
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	5.8	5.7	6.2	6.1	6.3	6.2	6.6	6.5	5.7	5.7	5.9	5.2
2	5.8	5.3	6.2	6.1	6.4	6.3	6.7	6.6	5.8	5.7	5.5	5.2
3	5.4	5.3	6.2	6.1	6.3	6.2	6.7	6.7	5.8	5.7	5.3	5.1
4	5.6	5.4	6.1	5.8	6.3	6.2	6.9	6.8	5.6	5.7	5.2	5.2
5	5.7	5.4	5.8	5.7	6.3	6.2	6.9	6.8	5.8	5.2	5.4	5.2
6	5.8	5.7	5.8	5.7	6.3	6.3	6.9	6.8	5.7	5.5	5.7	5.4
7	5.9	5.8	6.0	5.8	6.4	6.3	6.8	6.8	5.8	5.7	---	---
8	6.0	5.9	6.0	6.0	6.4	6.4	6.8	6.6	6.0	5.7	---	---
9	6.0	6.0	6.1	6.0	6.5	6.4	6.7	6.6	6.0	5.9	---	---
10	6.0	5.9	6.1	6.0	6.5	6.4	6.7	6.5	6.0	5.6	---	---
11	6.0	5.7	6.2	6.1	6.5	6.4	6.6	6.6	---	---	---	---
12	5.7	4.9	6.2	6.1	6.4	6.4	---	---	---	---	---	---
13	---	---	6.2	6.1	6.5	6.4	---	---	---	---	---	---
14	---	---	6.2	6.1	6.5	6.4	5.6	5.5	---	---	---	---
15	---	---	6.2	6.2	6.5	6.4	5.7	5.6	---	---	---	---
16	---	---	6.3	6.2	6.5	6.5	5.7	5.6	6.0	5.9	---	---
17	---	---	6.3	6.2	6.5	6.5	5.7	5.6	6.1	5.9	---	---
18	---	---	6.3	6.2	6.5	6.4	5.8	5.7	6.0	5.6	---	---
19	5.9	5.9	6.3	6.2	6.5	6.4	5.8	5.8	6.0	5.9	---	---
20	6.1	5.9	6.3	6.2	6.5	6.4	5.8	5.3	6.0	5.6	---	---
21	6.1	6.1	6.3	6.2	6.5	5.9	5.6	5.2	6.0	5.9	5.5	5.2
22	6.2	6.1	6.2	6.1	6.4	6.0	5.5	5.3	6.0	5.9	5.4	5.2
23	6.1	6.1	6.3	6.1	6.5	6.4	5.5	5.5	6.0	5.9	5.5	5.4
24	6.1	6.1	6.2	6.2	6.6	6.5	5.6	5.5	6.1	5.9	5.5	5.5
25	6.1	6.1	6.3	6.2	6.6	6.5	5.7	5.6	6.0	5.8	5.6	5.4
26	6.2	6.1	6.3	6.3	6.6	6.6	5.8	5.7	5.9	5.7	5.6	5.3
27	6.2	6.1	6.3	6.2	6.7	6.6	5.8	5.7	5.9	5.9	5.6	5.2
28	6.2	6.2	6.3	6.2	6.7	6.6	5.8	5.7	6.0	5.9	5.7	5.6
29	6.2	6.1	6.3	6.3	6.7	6.6	5.8	5.7	5.9	5.9	5.7	5.6
30	6.1	6.1	6.4	6.3	6.6	6.4	5.8	5.7	6.0	5.9	5.7	5.6
31	---	---	6.3	6.1	---	---	5.8	5.7	5.9	5.9	---	---

02430000 MACKEYS CREEK NEAR DENNIS, MS--Continued

PH (STANDARD UNITS), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	5.7	5.7	5.7	5.7	---	---						
2	5.7	5.7	5.7	5.7	---	---						
3	5.8	5.7	5.8	5.7	---	---						
4	5.8	5.7	5.8	5.7	---	---						
5	5.8	5.7	5.8	5.7	5.7	5.5						
6	5.8	5.8	5.8	5.7	5.6	5.5						
7	5.9	5.8	5.8	5.7	5.6	5.5						
8	5.9	5.8	5.8	5.7	5.6	5.6						
9	5.9	5.9	5.8	5.3	5.6	5.6						
10	5.9	5.8	5.3	5.3	5.7	5.6						
11	5.8	5.8	5.4	5.3	5.8	5.7						
12	5.8	5.8	5.4	5.4	5.8	5.7						
13	5.8	5.8	5.5	5.4	5.7	5.6						
14	5.8	5.8	5.5	5.4	5.7	5.5						
15	5.8	5.8	---	---	5.7	5.7						
16	5.8	5.8	5.6	5.6	5.8	5.7						
17	5.8	5.8	5.6	5.6	5.8	5.7						
18	5.8	5.8	5.7	5.6	5.7	5.6						
19	5.8	5.6	5.7	5.7	5.8	5.7						
20	5.8	5.8	5.7	5.7	---	---						
21	5.8	5.8	5.7	5.7	---	---						
22	6.4	5.7	---	---	---	---						
23	5.7	5.6	---	---	---	---						
24	5.7	5.6	---	---	---	---						
25	5.7	5.7	---	---	---	---						
26	5.8	5.7	---	---	---	---						
27	5.8	5.7	---	---	---	---						
28	5.8	5.7	---	---	---	---						
29	5.7	5.4	---	---	---	---						
30	5.5	5.4	---	---	---	---						
31	5.8	5.5	---	---	---	---						

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	21.5	20.0	20.5	15.5	13.0	14.5	9.0	7.5	8.5	---	---	---
2	20.0	18.0	19.0	15.0	13.0	14.0	10.0	7.5	9.0	---	---	---
3	18.5	16.5	17.5	15.0	12.5	14.0	14.5	9.5	12.5	---	---	---
4	19.0	17.0	18.0	14.5	12.0	13.5	14.5	10.5	13.0	---	---	---
5	17.5	15.5	16.5	14.0	11.5	12.5	10.5	7.5	8.5	---	---	---
6	16.5	14.5	15.5	13.5	11.0	12.5	9.0	7.5	8.0	---	---	---
7	15.0	13.0	14.0	13.5	12.5	13.0	---	---	---	---	---	---
8	13.5	11.5	12.5	12.5	10.5	11.5	---	---	---	4.5	1.5	3.0
9	13.0	10.5	12.0	11.0	8.5	9.5	---	---	---	1.5	.0	1.0
10	14.0	11.0	12.5	11.5	8.5	10.0	---	---	---	2.0	.5	1.0
11	16.0	13.0	14.5	12.0	9.5	11.0	---	---	---	2.0	1.5	2.0
12	18.5	15.5	16.5	14.5	11.5	13.0	4.5	3.5	4.0	3.5	2.0	3.0
13	18.5	17.5	18.0	15.5	13.0	14.0	5.0	3.5	4.0	5.5	4.0	5.0
14	17.5	14.0	16.0	16.0	14.0	15.0	5.0	3.5	3.5	5.5	2.0	4.0
15	14.0	12.5	13.0	17.5	15.5	16.5	4.5	3.5	4.0	2.0	1.0	1.5
16	13.0	11.0	12.0	18.0	17.0	17.5	---	---	---	3.0	1.5	2.0
17	12.5	10.0	11.5	18.5	17.5	18.5	---	---	---	6.0	3.0	4.5
18	12.0	9.5	10.5	---	---	---	---	---	---	7.5	6.0	7.0
19	12.5	9.5	11.0	---	---	---	---	---	---	---	---	---
20	13.0	10.0	11.5	---	---	---	---	---	---	---	---	---
21	13.5	10.5	12.0	---	---	---	---	---	---	---	---	---
22	14.5	11.5	13.0	---	---	---	---	---	---	---	---	---
23	15.5	12.5	14.0	---	---	---	---	---	---	5.5	4.5	5.5
24	15.5	14.5	14.5	---	---	---	---	---	---	5.5	3.0	4.0
25	14.5	12.5	13.5	---	---	---	---	---	---	3.0	1.5	2.0
26	15.5	13.5	14.5	---	---	---	---	---	---	4.0	2.5	3.0
27	15.5	13.5	15.0	---	---	---	---	---	---	4.5	4.5	4.5
28	13.5	11.5	12.5	13.0	10.0	12.0	---	---	---	4.5	3.0	3.5
29	13.0	10.0	12.0	10.0	9.5	9.5	---	---	---	3.0	2.0	2.5
30	14.0	11.0	12.5	10.0	9.0	9.5	---	---	---	3.5	2.5	3.0
31	15.0	12.5	14.0	---	---	---	---	---	---	3.5	2.5	3.5

MOBILE RIVER BASIN

02430000 MACKEYS CREEK NEAR DENNIS, MS--Continued

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	2.5	1.0	1.5	10.5	9.5	9.5	19.0	18.0	18.0	17.0	16.0	16.5
2	1.5	1.0	1.0	11.5	9.5	10.5	18.5	17.0	17.5	17.0	17.0	17.0
3	3.5	2.0	2.5	15.0	12.0	13.0	16.5	15.5	16.0	18.5	17.0	17.5
4	4.5	4.0	4.5	15.5	11.5	13.0	16.5	15.5	16.0	18.5	17.5	18.0
5	5.0	3.5	4.5	11.0	8.0	10.0	15.5	14.0	14.5	17.5	16.0	16.5
6	4.0	3.5	3.5	10.0	8.0	9.0	16.0	13.5	14.5	17.0	15.5	16.0
7	3.5	3.5	3.5	10.5	9.5	10.0	17.5	14.0	15.5	19.0	16.0	17.5
8	4.0	3.0	3.5	10.5	9.5	10.0	17.5	16.0	16.5	19.5	18.5	19.0
9	4.0	1.5	2.5	10.5	8.5	9.5	16.5	15.0	15.5	20.0	19.5	19.5
10	2.0	1.0	1.5	12.0	8.0	10.5	15.5	13.0	14.0	21.0	19.5	20.5
11	3.5	1.5	2.0	9.0	7.5	8.0	18.0	15.0	16.5	21.0	20.0	20.5
12	5.0	3.5	4.5	10.0	8.0	9.0	18.0	16.5	17.0	21.5	19.5	20.5
13	6.5	5.5	6.0	12.0	10.0	11.5	17.0	15.5	16.0	19.5	18.0	19.0
14	9.0	7.0	8.5	13.5	12.0	13.0	18.0	14.0	15.5	19.0	17.5	18.5
15	---	---	---	12.5	10.0	11.5	18.0	15.0	16.5	20.0	18.0	19.0
16	11.5	8.0	10.5	10.5	10.0	10.5	17.5	14.5	16.5	20.0	19.0	19.5
17	6.0	3.5	5.5	10.0	10.0	10.0	18.5	16.0	17.0	20.0	18.0	19.0
18	3.5	2.0	2.5	---	---	---	18.5	17.0	17.5	20.5	18.5	19.5
19	3.0	1.5	2.5	---	---	---	19.0	18.0	18.5	20.5	19.5	20.0
20	4.5	3.5	4.0	---	---	---	20.0	18.0	19.0	21.0	20.0	20.5
21	9.0	4.0	7.0	---	---	---	20.0	18.5	19.0	21.0	20.5	21.0
22	---	---	---	16.5	16.5	16.5	18.5	18.0	18.0	21.5	20.5	21.0
23	---	---	---	16.5	15.0	16.0	18.0	17.5	17.5	21.5	20.0	21.0
24	---	---	---	15.0	11.5	12.5	18.0	17.5	18.0	20.5	19.5	20.0
25	---	---	---	11.0	8.5	9.5	18.5	17.5	18.0	19.0	18.0	18.5
26	8.0	6.0	7.0	10.0	7.0	8.5	18.0	16.5	16.5	18.0	16.5	17.5
27	8.0	6.0	6.5	11.0	10.5	10.5	17.0	14.5	14.5	18.0	17.5	17.5
28	9.5	7.5	8.0	14.5	10.0	12.0	17.0	15.5	16.0	19.0	17.0	18.0
29	---	---	---	16.5	15.0	15.5	16.5	15.0	16.0	20.0	19.0	19.5
30	---	---	---	17.5	16.0	17.0	16.5	14.5	16.0	20.5	19.5	20.0
31	---	---	---	18.5	17.0	17.5	---	---	---	20.5	20.0	20.0
JUNE			JULY			AUGUST			SEPTEMBER			
1	21.5	20.0	20.5	23.5	22.5	23.0	27.5	26.5	27.0	26.5	24.5	25.5
2	22.0	20.5	21.5	24.5	23.0	23.5	27.5	26.0	26.5	25.5	24.0	25.0
3	22.0	21.5	21.5	26.0	24.0	25.0	27.5	25.5	26.5	25.5	24.0	25.0
4	21.5	20.0	21.0	26.5	24.5	25.5	27.5	26.0	26.5	25.5	24.0	25.0
5	22.0	20.5	21.0	27.5	25.5	26.5	27.0	25.5	26.0	26.0	25.0	25.5
6	22.0	21.5	21.0	26.5	25.5	26.0	27.5	24.0	26.0	26.0	24.5	25.5
7	23.5	22.0	22.5	25.5	25.0	25.5	28.0	26.5	27.0	---	---	---
8	24.5	23.0	23.5	25.5	24.0	25.0	28.5	27.0	27.5	---	---	---
9	25.5	24.0	24.5	24.5	24.0	24.0	28.0	26.0	27.0	---	---	---
10	25.5	24.0	25.0	24.5	23.5	24.0	28.0	26.5	27.0	---	---	---
11	24.0	22.0	23.0	24.5	23.5	24.0	26.5	24.5	25.5	---	---	---
12	22.5	20.0	21.5	23.5	22.5	21.5	---	---	---	---	---	---
13	23.0	20.0	22.0	24.5	23.0	23.5	---	---	---	---	---	---
14	23.5	21.5	22.5	25.0	24.0	24.5	---	---	---	---	---	---
15	23.0	21.5	22.5	26.0	24.5	25.5	---	---	---	---	---	---
16	23.0	21.0	22.0	26.5	25.5	26.0	26.0	24.0	25.0	---	---	---
17	23.5	21.5	22.5	27.5	26.0	26.5	25.5	23.0	24.0	---	---	---
18	24.0	22.0	23.0	27.0	26.0	26.5	26.5	23.5	25.0	---	---	---
19	24.5	22.5	23.5	26.5	25.5	26.0	26.0	24.0	25.0	---	---	---
20	24.5	23.0	24.0	26.5	25.5	26.0	27.0	25.0	26.0	---	---	---
21	24.0	22.0	23.0	25.5	24.0	25.0	27.5	24.5	26.0	22.0	21.5	21.5
22	24.0	22.0	23.0	26.5	25.5	26.0	27.0	25.0	26.0	21.5	20.0	21.0
23	24.0	23.0	23.5	26.5	25.5	26.0	26.0	25.0	25.5	21.5	20.0	21.0
24	24.0	23.0	23.5	26.0	25.5	26.0	26.0	24.5	25.0	21.0	19.5	20.5
25	23.0	22.0	22.5	26.5	25.5	26.0	25.5	24.5	24.5	21.0	20.0	20.5
26	22.5	21.5	22.0	26.5	25.5	26.0	25.0	24.5	24.5	21.0	20.5	20.5
27	23.5	22.0	22.5	27.0	25.5	26.0	26.0	24.5	25.0	21.0	20.5	21.0
28	24.0	22.5	23.0	27.0	26.0	26.5	26.0	25.0	25.5	21.5	20.5	21.0
29	24.0	23.0	23.5	27.5	26.0	26.5	26.0	24.5	25.0	21.5	20.5	21.0
30	23.5	23.0	23.0	28.5	26.5	27.0	27.0	24.5	25.5	22.0	20.0	21.0
31	---	---	---	28.5	26.5	27.5	26.0	25.0	25.5	---	---	---

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

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

TURBIDITY (NTU), WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

[illegible]

MOBILE RIVER BASIN

02430000 MACKEYS CREEK NEAR DENNIS, MS--Continued

TURBIDITY (NTU), WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	---	---	---	95	45	60	120	55	85	45	35	35
2	---	---	---	70	30	45	140	20	90	40	35	40
3	---	---	---	230	30	95	130	100	110	50	35	45
4	---	---	---	270	55	130	110	70	85	110	50	85
5	---	---	---	75	45	55	75	45	60	70	60	65
6	---	---	---	140	60	95	50	40	45	65	50	65
7	60	20	40	140	50	95	110	40	50	75	55	60
8	30	10	20	110	60	85	55	40	45	55	45	50
9	20	10	15	140	55	95	80	35	50	50	40	45
10	---	---	---	170	50	90	70	45	55	40	35	35
11	---	---	---	150	55	85	210	50	130	40	35	40
12	---	---	---	55	35	40	450	65	240	50	40	45
13	---	---	---	100	40	70	210	110	150	55	45	50
14	---	---	---	55	30	40	120	100	110	50	40	45
15	---	---	---	85	50	70	120	80	95	45	35	40
16	40	25	35	100	50	70	90	65	80	40	30	35
17	70	45	55	---	---	---	100	75	90	45	35	35
18	65	40	50	---	---	---	110	80	90	35	30	30
19	45	30	40	---	---	---	100	60	85	35	30	30
20	40	30	35	---	---	---	60	25	35	35	30	30
21	180	35	95	---	---	---	25	20	25	35	25	30
22	190	25	70	60	45	50	25	20	20	45	30	35
23	30	25	25	200	50	160	25	20	25	80	25	35
24	30	25	25	150	75	110	20	20	20	40	25	35
25	35	30	30	95	65	75	20	15	20	35	25	30
26	70	35	45	80	40	55	20	15	20	30	25	25
27	50	35	40	130	40	70	25	15	20	30	25	25
28	140	40	75	190	75	120	30	20	20	30	25	25
29	---	---	---	190	60	95	45	30	40	25	25	25
30	---	---	---	140	55	95	45	40	40	50	25	30
31	---	---	---	230	85	140	---	---	---	90	40	65
JUNE			JULY			AUGUST			SEPTEMBER			
1	55	40	45	60	50	55	35	15	15	700	15	100
2	45	40	40	55	40	50	35	15	20	200	40	90
3	60	45	50	45	40	40	20	15	15	850	40	110
4	55	45	50	45	35	40	20	15	15	60	25	40
5	45	40	40	40	35	35	800	15	100	30	20	20
6	40	35	40	40	35	35	80	20	35	20	15	15
7	65	35	45	40	40	40	25	15	20	20	15	20
8	50	35	40	120	40	50	20	10	15	25	20	20
9	45	40	40	75	50	60	20	10	15	25	20	20
10	50	35	40	120	50	65	150	15	30	25	15	20
11	75	40	45	700	50	85	650	55	170	25	15	20
12	50	35	45	400	120	180	---	---	---	25	15	20
13	45	35	40	---	---	---	---	---	---	1000	20	240
14	40	30	35	95	70	80	---	---	---	120	45	60
15	40	35	35	70	55	60	---	---	---	60	40	50
16	45	35	40	80	50	60	---	---	---	75	45	55
17	50	35	40	90	50	60	20	9	15	60	40	50
18	45	30	40	90	50	55	310	15	65	55	40	50
19	40	30	35	75	50	55	30	7	15	45	35	35
20	50	30	35	650	55	150	45	15	20	230	25	60
21	600	30	200	310	130	210	70	10	20	180	50	85
22	220	130	160	150	120	130	20	10	15	50	40	45
23	140	110	120	190	120	160	35	10	15	45	35	40
24	130	110	120	250	150	210	20	7	10	40	30	35
25	150	100	120	230	20	160	40	10	20	40	25	30
26	110	90	95	35	20	20	60	25	45	30	25	30
27	120	95	100	25	15	20	25	20	20	30	15	25
28	100	40	65	70	15	20	35	20	25	40	15	20
29	75	40	50	20	15	15	35	25	30	30	15	20
30	100	45	70	20	15	15	35	20	25	25	15	20
31	---	---	---	20	15	15	35	15	20	---	---	---

MOBILE RIVER BASIN

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02430000 MACKEYS CREEK NEAR DENNIS, MS--Continued

TURBIDITY (NTU), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	20	15	15	70	25	35	---	---	---	---	---	---
2	20	15	15	30	15	20	---	---	---	---	---	---
3	20	15	15	25	15	20	---	---	---	---	---	---
4	25	15	15	35	15	20	---	---	---	---	---	---
5	25	15	20	20	15	15	30	25	25	---	---	---
6	25	10	15	20	15	15	25	20	25	---	---	---
7	20	15	15	20	15	15	30	25	25	---	---	---
8	20	10	15	15	10	15	30	25	30	---	---	---
9	20	15	15	230	15	85	30	25	25	---	---	---
10	25	20	25	50	30	35	30	25	25	---	---	---
11	30	20	20	35	30	30	40	20	30	---	---	---
12	20	15	15	35	30	35	45	20	30	---	---	---
13	75	20	40	35	30	30	75	30	45	---	---	---
14	30	25	25	35	25	30	45	35	40	---	---	---
15	30	25	25	---	---	---	50	30	35	---	---	---
16	30	15	20	25	15	20	40	30	30	---	---	---
17	20	15	15	25	20	20	45	35	35	---	---	---
18	20	10	15	25	15	20	40	25	35	---	---	---
19	---	---	---	20	15	15	40	30	30	---	---	---
20	---	---	---	20	15	15	---	---	---	---	---	---
21	---	---	---	20	15	15	---	---	---	---	---	---
22	500	10	70	---	---	---	---	---	---	---	---	---
23	40	25	35	---	---	---	---	---	---	---	---	---
24	30	20	25	---	---	---	---	---	---	---	---	---
25	30	20	20	---	---	---	---	---	---	---	---	---
26	25	15	20	---	---	---	---	---	---	---	---	---
27	25	15	20	---	---	---	---	---	---	---	---	---
28	80	15	25	---	---	---	---	---	---	---	---	---
29	95	35	60	---	---	---	---	---	---	---	---	---
30	55	30	40	---	---	---	---	---	---	---	---	---
31	85	20	30	---	---	---	---	---	---	---	---	---

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	8.0	7.7	7.9	9.0	8.5	8.7	10.8	10.3	10.5	---	---	---
2	8.2	7.9	8.1	9.8	8.6	9.1	10.8	10.4	10.6	---	---	---
3	8.6	8.1	8.4	10.0	9.6	9.8	10.4	9.0	9.7	---	---	---
4	8.6	8.2	8.4	10.1	9.7	9.8	8.9	8.2	8.6	---	---	---
5	8.7	8.4	8.6	10.3	9.8	10.1	10.7	8.2	9.7	---	---	---
6	9.0	8.6	8.7	10.5	9.8	10.2	10.7	10.4	10.6	---	---	---
7	9.5	8.9	9.2	10.0	9.6	9.7	---	---	---	---	---	---
8	9.8	9.3	9.6	10.6	9.7	10.2	---	---	---	12.4	11.1	12.0
9	10.1	9.6	9.8	12.5	10.7	11.6	---	---	---	12.7	12.4	12.6
10	9.8	8.9	9.5	10.4	10.0	10.2	---	---	---	12.6	12.3	12.5
11	9.0	8.2	8.6	10.2	9.7	10.0	---	---	---	12.3	12.0	12.2
12	8.2	7.6	8.0	9.9	9.2	9.5	11.7	11.5	11.6	12.0	11.5	11.8
13	7.7	7.4	7.5	9.2	8.9	9.1	11.6	11.2	11.4	11.4	10.6	11.0
14	8.2	7.4	7.8	9.1	8.7	8.9	11.9	11.2	11.5	11.6	10.6	11.1
15	8.6	8.1	8.5	8.8	8.5	8.6	12.0	11.8	12.0	12.1	11.7	11.9
16	9.0	8.5	8.7	8.5	7.3	7.7	---	---	---	11.9	11.4	11.7
17	10.5	8.7	9.8	8.1	7.4	7.6	---	---	---	11.4	10.7	11.0
18	10.8	10.3	10.6	---	---	---	---	---	---	10.6	10.2	10.4
19	10.8	10.1	10.5	---	---	---	---	---	---	---	---	---
20	10.5	9.8	10.2	---	---	---	---	---	---	---	---	---
21	10.3	9.7	10.0	---	---	---	---	---	---	---	---	---
22	10.0	9.3	9.7	---	---	---	---	---	---	---	---	---
23	9.6	9.0	9.4	---	---	---	---	---	---	12.0	11.6	11.8
24	9.3	9.0	9.2	---	---	---	---	---	---	11.9	11.4	11.6
25	10.1	9.3	9.8	---	---	---	---	---	---	12.5	11.8	12.2
26	10.0	9.1	9.6	---	---	---	---	---	---	12.2	11.9	12.1
27	9.6	9.1	9.4	---	---	---	---	---	---	11.8	11.6	11.7
28	10.1	9.5	9.8	10.2	9.5	9.8	---	---	---	12.3	11.6	12.0
29	10.3	9.7	10.1	10.5	10.2	10.4	---	---	---	12.8	12.2	12.6
30	10.1	9.5	9.8	10.5	10.2	10.3	---	---	---	12.6	12.3	12.4
31	9.5	8.7	9.1	---	---	---	---	---	---	12.5	12.2	12.3

MOBILE RIVER BASIN

02430000 MACKEYS CREEK NEAR DENNIS, MS--Continued

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	12.6	12.4	12.4	9.9	9.6	9.7	8.4	8.1	8.2	8.7	8.3	8.5
2	12.6	12.4	12.5	9.9	9.5	9.7	8.5	7.5	8.1	8.4	8.2	8.3
3	12.3	12.0	12.1	---	---	---	8.5	7.6	8.2	8.3	7.8	8.1
4	11.8	11.5	11.7	---	---	---	8.8	8.3	8.5	---	---	---
5	11.8	11.3	11.6	---	---	---	8.7	8.3	8.5	---	---	---
6	11.7	11.4	11.6	---	---	---	8.7	8.3	8.5	---	---	---
7	11.8	11.2	11.7	9.9	9.6	9.8	8.7	7.9	8.4	---	---	---
8	12.0	11.7	11.9	10.4	9.5	10.1	8.1	7.9	8.0	7.5	7.2	7.4
9	12.5	11.6	12.1	10.6	10.2	10.5	8.5	8.0	8.3	7.3	7.1	7.2
10	12.6	12.3	12.5	10.2	9.6	9.9	8.9	8.4	8.7	7.1	6.5	7.0
11	12.4	11.9	12.2	11.1	10.6	10.9	8.4	7.8	8.1	7.8	6.8	7.3
12	11.8	11.4	11.6	10.8	10.2	10.6	7.7	6.5	6.9	7.9	7.4	7.6
13	11.4	11.1	11.3	10.1	9.6	9.8	---	---	---	8.2	7.9	8.1
14	11.0	10.3	10.6	9.8	9.4	9.6	---	---	---	8.4	8.1	8.3
15	10.3	10.0	10.2	10.5	9.7	10.1	---	---	---	8.2	7.9	8.1
16	10.5	9.7	10.0	10.6	10.3	10.5	---	---	---	8.0	7.1	7.5
17	11.5	10.5	11.0	---	---	---	---	---	---	7.4	7.0	7.2
18	12.1	11.6	11.9	---	---	---	---	---	---	7.2	7.0	7.1
19	12.1	11.8	12.0	---	---	---	8.4	7.7	8.0	7.2	7.0	7.0
20	11.7	11.2	11.5	---	---	---	8.0	7.6	7.8	7.1	6.9	7.0
21	11.1	10.0	10.6	---	---	---	7.9	7.6	7.8	7.0	6.8	6.9
22	10.1	9.0	9.2	8.6	8.4	8.5	8.2	8.0	8.1	6.9	6.7	6.8
23	---	---	---	8.5	7.1	8.3	8.2	8.1	8.1	6.9	6.7	6.8
24	---	---	---	9.7	8.2	9.0	8.1	8.0	8.0	7.0	6.8	6.9
25	---	---	---	10.8	9.7	10.3	8.1	7.9	8.0	7.4	7.0	7.2
26	---	---	---	11.1	10.5	10.9	8.3	7.9	8.1	7.6	7.3	7.5
27	---	---	---	10.4	10.1	10.2	8.9	8.3	8.4	7.5	7.3	7.4
28	---	---	---	10.1	8.6	9.6	8.9	8.5	8.6	7.4	6.9	7.3
29	---	---	---	9.1	8.5	8.8	8.9	8.5	8.7	6.9	6.6	6.8
30	---	---	---	8.9	8.6	8.8	8.8	8.4	8.6	6.7	6.6	6.7
31	---	---	---	8.5	8.2	8.4	---	---	---	6.6	5.3	5.8
JUNE			JULY			AUGUST			SEPTEMBER			
1	6.9	5.7	6.1	6.8	6.5	6.7	---	---	---	6.4	6.0	6.2
2	7.1	6.8	7.0	6.8	6.5	6.6	---	---	---	---	---	---
3	7.0	6.9	7.0	6.6	6.3	6.5	---	---	---	---	---	---
4	7.2	7.0	7.2	6.4	6.1	6.2	---	---	---	---	---	---
5	7.4	7.1	7.3	6.3	6.0	6.1	---	---	---	---	---	---
6	7.2	6.8	7.0	6.3	6.1	6.2	---	---	---	6.4	6.3	6.3
7	7.4	6.9	7.1	6.2	6.1	6.2	---	---	---	---	---	---
8	7.2	6.5	7.0	6.4	6.2	6.3	6.2	5.9	6.0	---	---	---
9	7.0	6.8	6.9	6.5	6.3	6.3	6.3	5.9	6.1	---	---	---
10	6.9	6.7	6.8	6.3	6.2	6.3	6.2	5.6	6.0	---	---	---
11	7.4	6.9	7.2	6.4	6.1	6.2	6.0	5.4	5.6	---	---	---
12	7.6	7.4	7.5	---	---	---	---	---	---	---	---	---
13	7.5	7.2	7.4	---	---	---	---	---	---	---	---	---
14	7.4	7.1	7.3	5.5	5.2	5.4	---	---	---	---	---	---
15	7.3	7.1	7.2	5.5	5.3	5.4	---	---	---	---	---	---
16	7.3	7.1	7.2	5.4	5.1	5.3	---	---	---	---	---	---
17	7.1	6.1	6.9	5.2	4.9	5.0	6.5	6.2	6.3	---	---	---
18	6.9	6.6	6.7	5.4	5.0	5.1	6.4	5.9	6.2	---	---	---
19	6.8	6.5	6.6	6.0	5.1	5.6	6.2	5.7	6.0	---	---	---
20	6.6	6.3	6.5	6.3	5.8	6.0	5.9	5.5	5.8	---	---	---
21	7.0	5.7	6.5	6.1	4.3	5.4	5.8	5.3	5.6	6.4	5.7	6.0
22	5.9	5.4	5.8	5.7	5.3	5.5	5.4	5.0	5.2	6.3	5.7	6.1
23	6.5	5.9	6.3	5.6	5.4	5.5	6.2	5.0	5.4	6.7	6.3	6.6
24	6.8	6.5	6.7	5.5	5.3	5.4	6.8	6.0	6.1	6.9	6.6	6.8
25	7.2	6.8	7.1	6.1	4.9	5.8	6.6	6.4	6.5	6.9	6.6	6.8
26	7.4	7.2	7.3	6.1	5.9	6.0	6.5	6.3	6.4	---	---	---
27	7.3	7.1	7.2	5.9	5.8	5.8	6.5	6.2	6.4	---	---	---
28	7.2	6.8	7.0	5.8	5.6	5.7	6.4	6.2	6.3	5.9	5.7	5.8
29	6.8	6.6	6.8	5.8	5.6	5.7	6.6	6.3	6.4	5.8	5.5	5.7
30	6.7	6.5	6.6	5.7	5.6	5.6	6.5	6.2	6.3	5.6	5.4	5.5
31	---	---	---	---	---	---	6.5	6.2	6.3	---	---	---

MOBILE RIVER BASIN

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02430000 MACKEYS CREEK NEAR DENNIS, MS--Continued

OXYGEN, DISSOLVED (DO), MG/L, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	5.4	5.0	5.1	7.4	7.2	7.3	---	---	---	---	---	---
2	6.7	4.8	5.6	7.8	7.4	7.7	---	---	---	---	---	---
3	7.0	6.8	6.9	8.1	7.7	8.0	---	---	---	---	---	---
4	7.3	6.8	7.1	8.4	8.0	8.3	---	---	---	---	---	---
5	7.7	7.3	7.5	8.5	8.1	8.3	---	---	---	---	---	---
6	7.7	7.5	7.6	8.4	8.2	8.3	---	---	---	---	---	---
7	7.9	7.6	7.7	8.6	8.1	8.4	11.4	10.5	10.9	---	---	---
8	7.7	7.2	7.5	8.7	8.3	8.5	11.3	11.0	11.2	---	---	---
9	7.5	7.1	7.3	8.4	7.1	8.0	11.3	11.0	11.2	---	---	---
10	7.9	7.5	7.8	7.1	6.8	6.9	11.7	10.9	11.3	---	---	---
11	8.0	7.8	7.9	8.0	7.1	7.7	11.5	9.8	11.3	---	---	---
12	7.8	7.4	7.7	8.3	8.1	8.2	---	---	---	---	---	---
13	7.9	7.4	7.6	8.5	8.3	8.5	---	---	---	---	---	---
14	8.3	7.9	8.2	9.0	8.4	8.7	---	---	---	---	---	---
15	8.4	8.2	8.3	---	---	---	---	---	---	---	---	---
16	8.3	8.1	8.2	9.5	9.2	9.3	---	---	---	---	---	---
17	8.1	7.8	8.0	9.4	9.1	9.3	---	---	---	---	---	---
18	7.9	7.6	7.8	9.4	9.1	9.2	---	---	---	---	---	---
19	7.7	7.3	7.5	9.3	8.9	9.1	---	---	---	---	---	---
20	7.5	7.0	7.2	9.0	8.7	8.9	---	---	---	---	---	---
21	7.0	6.7	6.9	8.8	8.6	8.7	---	---	---	---	---	---
22	6.8	6.6	6.7	---	---	---	---	---	---	---	---	---
23	7.3	6.6	6.9	---	---	---	---	---	---	---	---	---
24	7.8	7.3	7.6	---	---	---	---	---	---	---	---	---
25	8.0	7.7	7.9	---	---	---	---	---	---	---	---	---
26	8.3	7.9	8.1	---	---	---	---	---	---	---	---	---
27	8.2	7.9	8.1	---	---	---	---	---	---	---	---	---
28	7.9	7.6	7.8	---	---	---	---	---	---	---	---	---
29	7.5	6.5	7.0	---	---	---	---	---	---	---	---	---
30	6.8	6.5	6.7	---	---	---	---	---	---	---	---	---
31	7.2	6.8	7.2	---	---	---	---	---	---	---	---	---

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DAY	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
OCTOBER				NOVEMBER			DECEMBER		
1	36	82	8.0	38	144	15	65	78	14
2	37	77	7.7	39	95	10	59	41	6.5
3	35	78	7.3	40	85	9.2	63	107	23
4	38	77	7.9	42	50	5.6	308	248	202
5	37	100	9.9	43	80	9.3	171	74	42
6	36	143	14	42	84	9.4	85	42	9.6
7	35	---	---	45	59	7.2	71	39	7.4
8	35	---	---	47	25	3.2	198	206	145
9	35	---	---	46	24	3.0	683	166	286
10	36	113	11	45	44	5.3	285	53	41
11	36	---	---	44	18	2.1	112	30	9.0
12	35	---	---	46	29	3.6	89	35	8.4
13	39	---	---	48	39	5.0	80	38	8.2
14	54	---	---	46	13	1.6	76	57	12
15	42	---	---	45	50	6.1	70	51	9.6
16	41	52	5.7	112	128	38	80	---	---
17	40	71	7.7	123	79	26	86	---	---
18	38	73	7.4	119	---	---	73	---	---
19	37	90	8.9	72	---	---	70	---	---
20	37	85	8.4	59	---	---	73	---	---
21	38	62	6.4	54	---	---	180	---	---
22	40	69	7.5	53	---	---	117	---	---
23	38	105	11	73	---	---	86	---	---
24	38	44	4.6	73	---	---	78	---	---
25	38	108	11	61	---	---	72	---	---
26	39	126	13	57	---	---	69	---	---
27	42	138	16	74	48	9.6	69	---	---
28	42	147	17	70	51	9.6	65	---	---
29	38	137	14	63	49	8.3	61	---	---
30	39	74	7.8	74	43	8.6	93	---	---
31	38	106	11	---	---	---	330	---	---

MOBILE RIVER BASIN

02430000 MACKEYS CREEK NEAR DENNIS, MS--Continued

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DAY	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
JANUARY			FEBRUARY			MARCH			
1	1390	---	---	112	26	7.8	160	52	22
2	1100	---	---	106	18	5.2	129	60	21
3	222	---	---	126	24	8.1	291	159	139
4	141	---	---	127	30	10	757	177	351
5	126	---	---	112	23	6.9	309	78	77
6	169	---	---	114	26	8.0	175	64	30
7	703	---	---	280	57	43	148	80	32
8	575	---	---	186	---	---	136	73	26
9	186	---	---	138	---	---	120	186	60
10	145	---	---	119	---	---	153	103	48
11	133	---	---	114	---	---	173	68	34
12	121	27	8.9	114	---	---	121	37	12
13	121	20	6.6	110	---	---	107	50	14
14	116	15	4.7	105	---	---	103	28	7.8
15	98	25	6.6	103	26	7.2	101	52	14
16	94	15	3.8	102	24	6.6	96	53	14
17	99	28	7.5	96	27	7.0	93	34	8.5
18	105	16	4.5	117	22	7.0	89	39	9.4
19	117	16	5.1	119	20	6.4	90	30	7.3
20	1000	149	356	120	15	4.9	95	27	6.9
21	1410	31	118	248	32	21	201	69	37
22	670	48	87	226	102	62	135	25	9.1
23	279	42	32	144	---	---	649	177	317
24	290	61	48	200	---	---	645	---	---
25	188	37	19	461	---	---	199	---	---
26	158	37	16	358	76	73	153	---	---
27	192	45	23	186	---	---	138	61	23
28	162	38	17	150	53	21	200	78	42
29	133	39	14	---	---	---	126	53	18
30	126	---	---	---	---	---	106	69	20
31	120	---	---	---	---	---	196	124	62
APRIL			MAY			JUNE			
1	334	132	123	88	25	5.9	175	28	13
2	704	119	235	87	17	4.0	123	28	9.3
3	1030	124	319	117	102	37	164	18	8.0
4	539	---	---	368	213	199	143	20	7.7
5	357	81	78	377	228	232	111	45	13
6	215	55	32	221	---	---	98	---	---
7	166	52	23	152	---	---	103	25	7.0
8	146	53	21	122	---	---	94	---	---
9	175	52	25	110	---	---	79	---	---
10	154	63	26	103	---	---	71	---	---
11	160	239	118	93	180	45	74	---	---
12	2070	453	3040	115	68	19	60	---	---
13	1970	237	1320	123	---	---	56	---	---
14	571	---	---	101	---	---	56	76	12
15	293	---	---	87	---	---	54	40	5.8
16	204	---	---	80	52	11	51	60	8.3
17	165	---	---	73	15	3.0	51	40	5.5
18	146	---	---	69	45	8.4	51	41	5.6
19	111	80	24	67	395	70	49	20	2.6
20	64	30	5.2	73	17	3.4	47	23	3.0
21	59	20	3.2	76	22	4.5	174	93	45
22	60	17	2.8	120	8	2.6	291	116	98
23	81	18	3.9	104	30	8.1	143	70	27
24	70	15	2.8	122	11	3.6	114	59	18
25	81	14	3.1	92	44	11	120	49	16
26	68	13	2.4	78	31	6.5	95	54	14
27	62	9	1.5	85	45	10	80	62	13
28	65	11	1.9	117	21	6.2	69	32	6.0
29	81	12	2.6	110	41	12	64	38	6.6
30	91	24	5.9	106	8	2.6	117	52	16
31	---	---	---	259	47	35	---	---	---

MOBILE RIVER BASIN

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02430000 MACKEYS CREEK NEAR DENNIS, MS--Continued

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DAY	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
JULY				AUGUST			SEPTEMBER		
1	92	49	12	52	22	3.1	98	---	---
2	75	24	4.9	54	14	2.0	624	---	---
3	70	24	4.5	55	17	2.5	392	---	---
4	66	22	3.9	52	20	2.8	286	---	---
5	62	9	1.5	59	19	3.0	119	---	---
6	59	16	2.5	67	51	9.2	82	---	---
7	56	6	.91	57	16	2.5	73	47	9.3
8	61	16	2.6	52	24	3.4	65	28	4.9
9	96	164	43	56	34	5.1	59	34	5.4
10	105	477	139	55	34	5.0	57	27	4.2
11	84	18	4.1	94	253	45	55	25	3.7
12	538	341	639	101	38	10	51	27	3.7
13	408	47	52	79	33	7.0	361	21	20
14	142	49	19	67	34	6.2	2170	---	---
15	94	54	14	60	29	4.7	2090	---	---
16	81	40	8.7	57	28	4.3	456	---	---
17	68	34	6.2	54	33	4.8	124	---	---
18	58	26	4.1	54	147	24	113	---	---
19	54	23	3.4	54	85	12	116	---	---
20	63	72	15	56	---	---	113	153	47
21	380	191	190	54	---	---	524	94	125
22	208	---	---	58	---	---	488	61	80
23	105	---	---	60	---	---	207	54	30
24	92	---	---	56	46	7.0	125	50	17
25	87	47	11	65	31	5.4	101	---	---
26	80	27	5.8	112	61	18	90	---	---
27	73	23	4.5	106	43	12	86	26	6.0
28	68	21	3.9	91	33	8.1	84	21	4.8
29	65	20	3.5	84	35	7.9	80	21	4.5
30	62	20	3.3	70	30	5.7	75	21	4.3
31	56	20	3.0	79	---	---	---	---	---

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

OCTOBER				NOVEMBER			DECEMBER		
1	73	23	4.5						
2	68	22	4.0						
3	62	21	3.5						
4	76	44	9.0						
5	81	56	12						
6	71	48	9.2						
7	68	49	9.0						
8	66	46	8.2						
9	62	43	7.2						
10	84	53	12						
11	80	56	12						
12	69	56	10						
13	64	94	16						
14	61	59	9.7						
15	62	---	---						
16	---	---	---						
17	---	---	---						
18	---	---	---						
19	---	---	---						
20	---	---	---						
21	---	---	---						
22	---	---	---						
23	---	---	---						
24	---	---	---						
25	---	---	---						
26	---	---	---						
27	---	---	---						
28	---	---	---						
29	---	---	---						
30	---	---	---						
31	---	---	---						

MOBILE RIVER BASIN

02430038 ROCK CREEK NEAR BELMONT, MS

LOCATION.--Lat 34°31'00", long 88°16'17" in NW¼ sec.32, T.6 S., R.10 E., Chickasaw Meridian, Tishomingo County, Hydrologic Unit 03160101, at the left bank on upstream side of bridge on county road, 1.0 mi (1.6 km) northwest of Fairview Church, 3.6 mi (5.8 km) west of Belmont.

DRAINAGE AREA.--9.02 mi² (23.36 km²).

PERIOD OF RECORD.--Occasional low-flow measurements made in 1972 and 1974. June 1975 to current year.

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

REMARKS.--Records fair.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,900 ft³/s (53.8 m³/s) May 8, 1978, gage height, 13.40 ft (4.084 m) from floodmark, from rating extended above 630 ft³/s (17.8 m³/s) on basis of slope-conveyance computation; minimum, 0.50 ft³/s (0.014 m³/s) Sept. 2, 3, 4, 1977, gage height, 3.97 ft (1.210 m).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,180 ft³/s (33.4 m³/s) Jan. 1, gage height, 10.59 ft (3.228 m), from rating extended above 630 ft³/s (17.8 m³/s) on basis of slope-conveyance computations; minimum, 1.3 ft³/s (0.037 m³/s) Oct. 4, 5, 6, 7, minimum gage height, 4.23 ft (1.289 m).

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.5	2.7	4.0	500	11	19	16	6.4	10	7.2	4.7	5.7
2	1.5	2.7	3.4	52	11	16	137	6.1	7.0	6.1	4.7	5.7
3	1.4	2.7	12	24	14	157	64	13	9.0	5.4	3.7	3.7
4	1.4	2.9	24	17	11	64	65	59	8.0	4.3	3.2	3.2
5	1.4	2.9	5.7	15	10	31	34	39	7.0	3.4	3.7	2.7
6	1.4	3.2	4.0	26	15	23	25	24	6.0	3.4	3.4	2.5
7	1.4	3.7	3.7	196	27	20	20	17	8.0	3.2	2.9	2.3
8	1.4	3.4	92	38	19	19	19	13	6.0	6.8	2.7	2.2
9	1.5	3.4	35	22	16	18	18	12	5.0	19	3.4	2.0
10	1.5	3.4	12	17	14	23	15	9.8	4.5	11	2.7	2.0
11	1.5	3.4	8.9	15	14	17	17	8.4	5.0	24	19	2.0
12	1.5	3.4	7.2	14	13	14	291	13	4.5	90	7.2	2.0
13	4.6	3.4	6.1	13	12	13	106	9.8	4.0	21	4.3	1.9
14	1.9	3.4	5.7	12	12	12	38	7.6	4.0	14	3.4	35
15	1.6	3.7	5.4	11	11	11	26	6.8	3.4	11	2.9	10
16	1.6	11	7.6	10	10	11	21	6.1	2.9	9.8	2.9	6.0
17	1.6	13	6.1	11	11	10	19	5.4	2.7	7.6	2.3	4.5
18	1.7	4.3	6.1	11	15	10	16	4.7	2.5	6.1	2.2	4.0
19	1.9	2.9	6.8	15	14	9.8	16	4.3	2.5	5.4	2.3	5.0
20	1.9	2.7	8.9	333	14	13	15	4.3	2.3	12	2.2	4.0
21	1.9	2.7	23	183	43	14	14	5.0	167	14	2.0	20
22	1.9	3.2	11	42	23	13	14	8.0	22	8.4	2.3	10
23	2.0	5.4	8.9	30	20	112	15	8.0	13	7.6	2.2	7.0
24	2.0	3.4	8.0	26	25	31	14	7.2	14	8.9	2.9	5.0
25	2.3	2.9	6.4	19	66	21	12	5.7	10	8.4	6.1	3.5
26	2.5	4.3	5.7	18	29	17	11	4.7	8.0	7.2	5.7	3.2
27	2.7	7.2	5.4	21	22	18	9.4	8.0	6.4	5.7	3.4	3.5
28	2.5	4.0	5.0	16	19	16	8.0	7.2	5.7	5.4	3.2	3.0
29	2.5	6.4	5.0	14	---	14	7.2	6.8	5.7	5.0	3.4	2.9
30	2.5	5.0	16	14	---	13	6.8	5.4	16	4.3	2.5	2.8
31	2.7	---	120	12	---	18	---	15	---	3.7	2.5	---
TOTAL	59.7	126.7	479.0	1747	521	797.8	1089.4	350.7	372.1	349.3	120.0	167.3
MEAN	1.93	4.22	15.5	56.4	18.6	25.7	36.3	11.3	12.4	11.3	3.87	5.58
MAX	4.6	13	120	500	66	157	291	59	167	90	19	35
MIN	1.4	2.7	3.4	10	10	9.8	6.8	4.3	2.3	3.2	2.0	1.9
CFSM	.21	.47	1.72	6.25	2.06	2.85	4.02	1.25	1.38	1.25	.43	.62
IN.	.25	.52	1.98	7.20	2.15	3.29	4.49	1.45	1.53	1.44	.49	.69

CAL YR 1978 TOTAL 5289.0 MEAN 14.5 MAX 806 MIN 1.3 CFSM 1.61 IN 21.81
WTR YR 1979 TOTAL 6180.0 MEAN 16.9 MAX 500 MIN 1.4 CFSM 1.87 IN 25.48

02430085 RED BUD CREEK NEAR MOORES MILL, MS

LOCATION.--Lat 34°28'00", long 88°17'00", in SW¼SE¼ sec.18, T.7 S., R.10 E., Chickasaw Meridian, Tishomingo County, Hydrologic Unit 03160101, near left bank on downstream side of bridge on county road, 0.18 mi (0.29 km) south of intersection of county road and blacktop road, 2.7 mi (4.3 km) east-southeast of Moores Mill, and 5.6 mi (9.0 km) southwest of Belmont.

DRAINAGE AREA.--15.5 mi² (40.1 km²).

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

GAGE.--Water-stage recorder. Altitude of gage is 360 ft (110 m), from topographic map.

REMARKS.--Records fair, except those for periods of doubtful or no gage height record, Jan. 23 to Mar. 14 and Aug. 1 to Sept. 18 which are poor.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 986 ft³/s (27.9 m³/s) Mar. 4, 1977, gage height, 11.16 ft (3.402 m); minimum, 2.0 ft³/s (0.057 m³/s) part of each day Aug. 20-25, Aug. 28-30, Sept. 1-3, 1978, gage height, 3.39 ft (1.033 m).

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 350 ft³/s (9.91 m³/s) and maximum (*), from rating curve extended above 300 ft³/s (8.50 m³/s) on basis of conveyance computation at 12.6 ft (3.84 m):

Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)	Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
Jan. 1	0915	*831 23.5	10.87 3.313	Apr. 12	2115	408 11.6	9.15 2.789
Jan. 7	0430	550 15.6	9.99 3.045	May 3	1245	384 10.9	8.95 2.728
Jan. 20	0545	645 18.3	10.35 3.155	May 4	0515	450 12.7	9.46 2.883
Jan. 21	0245	616 17.4	10.25 3.124	June 21	1145	492 13.9	9.71 2.960
Mar. 23	0645	388 11.0	8.98 2.737	July 12	0215	512 14.5	9.81 2.990
Apr. 2	0800	430 12.2	9.33 2.844	Sept. 14	Unknown	Unknown	Unknown

Minimum discharge, 2.4 ft³/s (0.068 m³/s) Oct. 2, gage height 3.43 ft (1.045 m).

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.0	3.6	8.1	546	19	28	24	12	15	8.1	9.0	10
2	2.8	4.0	7.4	85	20	24	146	13	12	6.7	7.5	100
3	3.1	4.2	13	40	30	180	99	99	18	5.9	6.4	50
4	3.1	4.8	58	29	20	106	96	223	13	5.3	6.0	25
5	3.1	5.0	14	25	20	50	55	132	10	5.0	7.0	12
6	3.0	5.2	10	38	42	40	42	66	9.0	5.0	5.6	9.0
7	3.0	6.8	9.1	262	54	32	35	45	12	8.8	5.0	8.0
8	3.1	5.4	58	65	40	30	33	34	10	36	5.0	7.0
9	3.3	5.2	68	40	30	28	31	30	9.0	63	7.0	6.4
10	3.6	5.6	21	32	25	40	29	25	8.0	40	6.0	6.0
11	3.7	6.0	14	28	23	30	29	20	9.0	32	30	5.6
12	3.7	6.8	12	26	22	26	148	39	8.2	180	15	5.6
13	5.0	8.0	10	25	21	23	122	25	7.4	44	9.0	35
14	5.4	9.0	9.3	21	20	21	58	19	6.8	26	8.0	350
15	3.9	12	9.1	19	20	19	44	16	6.3	20	7.0	100
16	4.0	21	14	18	19	19	36	15	5.3	19	6.4	35
17	3.9	22	11	20	20	18	32	14	5.1	14	5.6	20
18	4.2	9.8	9.6	22	30	18	28	13	4.8	12	5.0	15
19	3.6	7.8	9.6	26	25	17	26	12	4.4	12	5.0	14
20	3.6	7.4	12	382	30	24	23	11	4.3	17	4.5	17
21	3.6	7.2	46	299	60	24	22	10	134	35	4.5	73
22	3.4	7.6	17	77	45	21	24	19	30	15	6.0	29
23	3.4	11	13	60	35	133	30	20	16	14	5.0	19
24	3.6	8.6	12	57	35	52	28	15	16	16	6.0	14
25	3.7	7.4	10	52	110	36	25	13	12	16	10	13
26	3.6	14	9.1	50	57	29	23	12	10	14	15	12
27	4.5	19	8.3	40	42	32	19	19	8.8	11	9.0	12
28	4.2	9.6	8.3	27	35	31	16	16	7.6	9.3	8.0	12
29	3.7	12	8.6	24	---	25	15	13	7.2	9.3	9.0	10
30	3.7	11	22	22	---	23	13	12	16	7.8	7.0	9.3
31	3.6	---	98	20	---	24	---	30	---	7.4	6.0	---
TOTAL	114.1	267.0	629.5	2477	949	1203	1351	1042	435.2	714.6	245.5	1033.9
MEAN	3.68	8.50	20.3	79.9	33.9	38.8	45.0	33.6	14.5	23.1	7.92	34.5
MAX	5.4	22	98	546	110	180	148	223	134	180	30	350
MIN	2.8	3.6	7.4	18	19	17	13	10	4.3	5.0	4.5	5.6
CFSM	.24	.57	1.31	5.16	2.19	2.50	2.90	2.17	.94	1.49	.51	2.23
IN.	.27	.64	1.51	5.94	2.28	2.89	3.24	2.50	1.04	1.71	.59	2.48

CAL YR 1978 TOTAL 8026.2 MEAN 22.0 MAX 506 MIN 2.8 CFSM 1.42 IN 19.26
WTR YR 1979 TOTAL 10461.8 MEAN 28.7 MAX 546 MIN 2.8 CFSM 1.85 IN 25.11

MOBILE RIVER BASIN

02430615 MUD CREEK NEAR FAIRVIEW, MS

LOCATION.--Lat 34°23'32", long 88°21'17", in NW¼NE¼ sec.16, T.8 S., R.9 E., Chickasaw Meridian, Itawamba County, Hydrologic Unit 03160101, at left bank on downstream side of bridge on county road 3.0 mi (4.8 km) northwest of Fairview and 8 mi (13 km) north-northeast of Fulton.

DRAINAGE AREA.--11.1 mi² (28.7 km²).

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

REVISED RECORDS.--WDR MS-78-1: 1976(P), 1977(P).

GAGE.--Water-stage recorder. Altitude of gage is 313 ft (95 m) from topographic map.

REMARKS.--Records good.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 683 ft³/s (19.3 m³/s) Apr. 4, 1977, gage height, 9.37 ft (2.856 m), Sept. 25, 1977, minimum 2.3 ft³/s (0.065 m³/s) Aug. 22, 1977, gage height, 3.84 ft (1.170 m).

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 250 ft³/s (7.08 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s)	Discharge (m ³ /s)	Gage height (ft)	Gage height (m)	Date	Time	Discharge (ft ³ /s)	Discharge (m ³ /s)	Gage height (ft)	Gage height (m)
Jan. 1	0815	*490	13.9	9.16	2.792	Mar. 23	0815	264	7.48	8.40	2.560
Jan. 7	0530	253	7.16	8.33	2.539	July 12	0415	323	9.15	8.64	2.634
Jan. 20	0530	470	13.3	9.02	2.749	Sept. 13	1630	368	10.4	8.77	2.673
Jan. 21	0245	307	8.69	8.59	2.618						

Minimum discharge, 3.7 ft³/s (0.10 m³/s) Oct. 6, 7, 10, gage height 3.84 ft (1.170 m).

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.3	5.3	8.4	28.9	16	33	18	13	20	5.5	7.8	8.4
2	4.0	5.4	7.8	46	16	21	74	13	12	5.3	7.8	9.9
3	3.9	5.9	15	24	22	10.8	49	34	14	5.0	7.4	8.8
4	3.9	6.1	56	17	20	55	48	101	10	4.9	7.2	8.2
5	3.9	6.3	12	15	16	35	27	51	9.0	4.7	7.4	7.6
6	3.9	6.8	9.2	31	28	27	22	24	8.0	4.7	7.8	7.6
7	3.9	8.4	9.0	121	49	24	20	16	7.2	5.3	7.0	7.4
8	3.9	6.4	56	45	22	22	22	13	6.6	32	6.9	7.2
9	3.9	5.9	53	42	19	22	21	12	6.2	67	7.4	7.0
10	3.9	5.8	16	33	17	37	18	11	6.0	16	7.0	7.0
11	3.9	5.8	12	20	17	27	17	11	8.0	18	14	6.9
12	3.9	5.9	10	17	16	22	77	28	7.0	102	11	6.7
13	4.0	7.2	9.2	16	16	22	56	13	6.0	35	8.6	123
14	4.3	5.0	8.8	16	16	21	28	11	5.7	19	8.0	26
15	4.0	7.2	8.8	14	16	21	22	11	5.3	14	7.8	11
16	4.0	21	16	14	16	21	19	11	5.2	12	7.4	9.9
17	4.0	26	11	20	16	21	17	10	5.2	9.9	7.4	9.6
18	4.0	9.0	9.2	29	32	21	16	9.9	5.0	9.0	7.4	10
19	4.0	7.0	9.2	26	30	21	15	9.9	4.9	8.8	7.8	10
20	4.0	6.4	12	20.9	20	27	14	9.9	4.9	9.2	7.2	16
21	4.0	6.4	44	139	30	29	14	9.9	54	9.2	7.0	53
22	4.0	8.0	14	45	21	25	18	9.9	10	9.0	7.0	13
23	4.0	11	11	36	20	113	21	14	6.7	9.2	7.2	9.2
24	4.1	7.2	10	37	56	39	23	16	7.4	9.6	7.6	8.4
25	4.4	6.6	9.4	26	69	25	19	12	6.7	9.6	18	8.2
26	4.7	31	9.2	24	34	19	16	10	6.3	9.2	14	8.0
27	5.4	22	8.8	30	24	23	14	22	6.0	8.4	10	7.8
28	4.4	9.4	8.8	23	21	21	14	21	5.8	8.2	9.2	7.8
29	4.1	17	8.6	19	---	17	13	20	6.0	8.8	9.0	7.4
30	4.7	11	24	19	---	16	13	28	5.7	8.2	8.2	7.2
31	5.0	---	73	18	---	16	---	39	---	7.8	7.8	---
TOTAL	128.4	292.4	569.4	1460	695	951	765	614.5	270.8	484.5	265.3	438.2
MEAN	4.14	9.75	18.4	47.1	24.8	30.7	25.5	19.8	9.03	15.6	8.56	14.6
MAX	5.4	31	73	289	69	113	77	101	54	102	18	123
MIN	3.9	5.0	7.8	14	16	16	13	9.9	4.9	4.7	6.9	6.7
CFSM	.37	.88	1.66	4.24	2.23	2.77	2.30	1.78	.81	1.41	.77	1.32
IN.	.43	.98	1.91	4.89	2.33	3.19	2.56	2.06	.91	1.62	.89	1.47

CAL YR 1978 TOTAL 4933.8 MEAN 13.5 MAX 188 MIN 3.6 CFSM 1.22 IN 16.53
WTR YR 1979 TOTAL 6934.5 MEAN 19.0 MAX 289 MIN 3.9 CFSM 1.71 IN 23.24

02430880 CUMMINGS CREEK NEAR FULTON, MS

LOCATION.--Lat 34°18'16", long 88°22'16", in NE¼ sec.17, T.9 S., R.9 E., Chickasaw Meridian, Itawamba County, Hydrologic Unit 03160101, at bridge on county road, 3.2 mi (5.2 km) northeast of Fulton, and 4.2 mi (6.8 km) upstream from mouth.

DRAINAGE AREA.--19.1 mi² (49.5 km²).

PERIOD OF RECORD.--July 22, 1975, to current year.

GAGE.--Water-stage recorder. Altitude of gage is 295 ft (90 m), from topographic map.

REMARKS.--Records poor. Doubtful gage-height record Oct. 16 to Sept. 30.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge not determined; maximum gage height, 10.83 ft (3.301 m) May 8, 1978, from floodmark; minimum 3.9 ft³/s (0.11 m³/s) Sept. 3, 4, 1977, gage height, 3.88 ft (1.183 m).

EXTREMES FOR CURRENT YEAR.--Maximum discharge not determined. Maximum gage height, 10.48 ft (3.194 m) date unknown, from floodmark; minimum daily discharge, 8.0 ft³/s (0.23 m³/s) Oct. 13.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.5	9.6	15	400	30	60	35	24	45	9.6	14	12
2	9.2	9.5	13	100	30	45	150	23	30	9.0	13	20
3	9.0	9.4	70	45	45	200	100	180	35	9.0	13	17
4	8.8	9.3	30	30	35	150	70	200	25	8.6	12	15
5	8.6	9.2	20	25	30	80	50	100	20	8.4	14	10
6	8.6	9.0	15	35	50	60	40	60	17	8.0	13	13
7	8.4	20	13	200	90	50	35	40	16	10	12	13
8	8.0	16	80	80	45	45	40	30	15	100	11	12
9	8.3	14	70	70	35	42	35	25	14	150	10	12
10	8.2	13	25	50	32	80	32	22	13	25	11	11
11	8.2	12	20	40	30	60	30	21	17	30	30	11
12	8.1	12	17	35	29	50	140	60	14	200	25	10
13	8.0	18	15	32	28	45	80	30	13	60	20	200
14	14	15	14	30	28	43	60	25	12	35	16	80
15	11	13	14	28	27	41	50	22	11	25	15	30
16	10	45	25	27	27	40	40	20	10	20	14	20
17	9.6	60	18	26	26	39	35	19	10	17	13	18
18	9.4	20	16	90	60	38	32	18	11	15	12	19
19	9.2	16	15	70	50	37	30	18	10	14	15	18
20	9.0	14	16	240	35	56	28	17	10	17	14	30
21	8.8	13	45	260	50	60	27	17	20	15	13	90
22	8.6	15	30	100	40	58	35	16	15	14	12	25
23	8.6	20	20	70	35	220	50	27	13	14	12	16
24	8.4	15	17	80	100	90	54	32	15	16	13	14
25	8.3	13	15	60	110	50	40	22	13	18	30	13
26	8.2	12	14	50	80	40	35	20	12	16	25	12
27	12	70	14	70	50	45	30	45	11	15	18	12
28	11	25	13	45	35	40	28	50	10	14	16	13
29	10	20	13	35	---	35	26	45	11	16	15	12
30	9.8	25	15	40	---	32	25	80	10	14	14	11
31	9.6	---	300	35	---	30	---	90	---	13	13	---
TOTAL	286.8	572.0	1017	2498	1262	1961	1462	1398	478	935.6	478	793
MEAN	9.25	19.1	32.8	80.6	45.1	63.3	48.7	45.1	15.9	30.2	15.4	26.4
MAX	14	70	300	400	110	220	150	200	45	200	30	200
MIN	8.0	9.0	13	25	26	30	25	16	10	8.0	10	10
CFSM	.48	1.00	1.72	4.22	2.36	3.31	2.55	2.36	.83	1.58	.81	1.38
IN.	.56	1.11	1.98	4.86	2.46	3.82	2.85	2.72	.93	1.82	.93	1.54

CAL YR 1978 TOTAL 10366.9 MEAN 28.4 MAX 500 MIN 7.5 CFSM 1.49 IN 20.19
WTR YR 1979 TOTAL 13141.4 MEAN 36.0 MAX 400 MIN 8.0 CFSM 1.89 IN 25.59

MOBILE RIVER BASIN

02431000 TOMBIGBEE RIVER NEAR FULTON, MS

LOCATION.--Lat 34°15'53", long 88°26'42", in SE¼ sec.27, T.9 S., R.8 E., Chickasaw Meridian, Itawamba County, Hydrologic Unit 03160101, on left bank at downstream side of bridge on U.S. Highway 78, 1,000 ft (300 m) downstream from Twentymile-Fulton Canal, 2.2 mi (3.5 km) west of Fulton, 6.2 mi (10.0 km) upstream from Mantachie Creek Canal, 13.5 mi (21.7 km) downstream from Twentymile Creek Canal, and at mile 421.8 (678.7 km).

DRAINAGE AREA.--612 mi² (1,585 km²).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--August 1928 to current year. Daily mean gage heights published since October 1971. Gage-height records collected at site 800 ft (240 m) upstream 1909-12 are contained in reports of National Weather Service. Prior to October 1966, published as East Fork Tombigbee River near Fulton.

REVISED RECORDS.--WSP 1032: 1944. WRD Miss. 1972: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 242.93 ft (74.045 m) National Geodetic Vertical Datum of 1929. Prior to Oct. 27, 1934, nonrecording gage at bridge 200 ft (60 m) upstream, and Oct. 27, 1934, to Aug. 22, 1939, nonrecording gage at present site, all at present datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--51 years, 951 ft³/s (26.93 m³/s), 21.10 in/yr (536 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 82,200 ft³/s (2,330 m³/s) Mar. 22, 1955, gage height, 25.75 ft (7.849 m), from rating curve extended above 48,000 ft³/s (1,360 m³/s) on basis of estimate of flow made by indirect methods; minimum observed, 11 ft³/s (0.31 m³/s) Nov. 15, 1971 (temporary regulation); minimum unregulated, 12 ft³/s (0.34 m³/s) Aug. 31 to Sept. 2, 1943; minimum gage height, 0.87 ft (0.265 m) Aug. 12, 1930.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 8,000 ft³/s (227 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)	Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
Jan. 2	0200	15500 439	18.22 5.554	Apr. 3	0200	11200 317	17.63 5.374
Jan. 7	0200	8180 232	17.22 5.249	Apr. 13	1000	*20200 572	18.80 5.730
Jan. 21	1500	17600 498	18.50 5.639	June 22	Unknown	11000 312	a17.6 5.36
Mar. 4	1300	9650 273	17.42 5.310				

a From graph based on gage readings.

Minimum discharge, 40 ft³/s (1.13 m³/s) Oct. 8, 9, 10, gage height, 5.51 ft (1.679 m).

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	53	52	190	8390	880	1980	2890	440	3770	268	239	204
2	54	54	165	13800	773	1540	5860	398	2020	265	223	519
3	52	56	164	9650	768	1640	10600	675	3110	256	210	726
4	52	57	865	5530	848	8320	8670	2530	3980	246	204	889
5	49	58	910	2910	795	7090	6720	5470	2100	235	204	868
6	46	59	629	1830	763	4280	3770	3640	1280	225	229	676
7	44	67	456	4030	1590	2560	2360	2490	992	231	205	494
8	42	70	442	6720	2430	1750	1720	1710	820	223	186	350
9	40	71	1530	3750	2020	1250	1400	1170	606	831	194	252
10	41	74	1950	2440	1590	1080	1150	895	465	624	181	202
11	42	76	1770	1850	1170	1200	1030	757	373	604	178	172
12	43	80	1440	1340	984	1110	5660	831	320	1460	301	154
13	44	82	992	1010	863	1050	18800	992	268	2520	305	637
14	46	86	619	846	773	964	12900	939	235	2220	290	4060
15	52	87	409	724	721	837	6500	745	214	1550	254	5930
16	56	138	357	637	668	728	3020	598	193	976	205	4280
17	52	237	349	620	598	650	1890	460	169	828	167	2140
18	49	339	345	763	735	601	1310	369	156	608	142	1480
19	50	283	311	793	850	571	1040	309	147	405	130	1090
20	50	218	290	5790	953	581	889	284	131	395	122	953
21	51	174	519	16500	1220	833	782	263	337	1260	113	1730
22	51	147	728	13200	2090	906	695	281	7590	1650	106	6800
23	50	161	622	8180	2000	2560	716	521	7400	949	103	4180
24	53	161	508	5220	2380	6970	786	998	3250	802	107	2620
25	53	165	422	3300	5220	4590	853	743	2490	719	136	1920
26	50	172	349	2140	6920	2850	937	509	1230	596	212	1040
27	50	302	295	1780	4080	1880	906	446	768	468	281	743
28	50	225	262	1590	2580	1680	757	601	539	388	251	592
29	50	232	247	1300	---	1500	612	885	397	339	334	487
30	50	225	283	1140	---	1200	509	974	315	301	297	407
31	50	---	1190	1020	---	1300	---	2560	---	266	230	---
TOTAL	1515	4208	19608	128793	47262	66051	105732	34483	45665	22708	6339	46595
MEAN	48.9	140	633	4155	1688	2131	3524	1112	1522	733	204	1553
MAX	56	339	1950	16500	6920	8320	18800	5470	7590	2520	334	6800
MIN	40	52	164	620	598	571	509	263	131	223	103	154
CFSM	.08	.23	1.03	6.79	2.76	3.48	5.76	1.82	2.49	1.20	.33	2.54
IN.	.09	.26	1.19	7.83	2.87	4.01	6.43	2.10	2.78	1.38	.39	2.83

CAL YR 1978	TOTAL	314231	MEAN	861	MAX	27400	MIN	40	CFSM	1.41	IN	19.10
WTR YR 1979	TOTAL	528959	MEAN	1449	MAX	18800	MIN	40	CFSM	2.37	IN	32.15

MOBILE RIVER BASIN

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02431000 TOMBIGBEE RIVER NEAR FULTON, MS--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.76	5.73	7.53	17.13	12.38	15.39	16.10	9.94	16.42	8.32	7.89	7.54
2	5.77	5.77	7.26	17.92	11.80	14.72	16.79	9.63	15.40	8.36	7.73	9.97
3	5.73	5.80	7.25	17.37	11.77	14.76	17.54	11.26	15.92	8.28	7.61	11.36
4	5.73	5.82	12.13	16.77	12.21	17.22	17.28	16.15	16.49	8.18	7.54	12.24
5	5.68	5.84	12.53	16.09	11.91	17.06	17.00	17.05	15.48	8.08	7.53	12.14
6	5.63	5.86	10.94	15.17	11.74	16.57	16.44	16.68	14.06	7.98	7.79	11.07
7	5.59	6.00	9.81	16.17	14.59	15.89	15.76	16.12	12.96	8.04	7.56	9.90
8	5.54	6.05	9.65	17.04	15.83	15.05	15.02	15.25	12.05	7.97	7.36	8.84
9	5.51	6.07	14.69	16.63	15.46	14.01	14.42	14.02	10.80	12.24	7.44	8.01
10	5.52	6.12	15.33	16.09	14.80	13.38	13.66	12.70	9.88	10.92	7.31	7.52
11	5.55	6.15	15.05	15.47	13.74	13.88	13.14	11.95	9.20	10.80	7.27	7.21
12	5.57	6.20	14.50	14.58	12.92	13.50	15.64	12.36	8.77	14.28	8.44	7.01
13	5.58	6.24	12.93	13.31	12.29	13.25	18.65	13.20	8.32	15.90	8.48	9.95
14	5.63	6.29	10.87	12.45	11.80	12.82	17.86	12.93	8.02	15.65	8.35	16.35
15	5.74	6.31	9.47	11.77	11.50	12.15	17.02	11.88	7.82	14.73	8.03	16.88
16	5.80	6.98	9.07	11.30	11.19	11.53	16.26	11.00	7.60	12.88	7.55	16.60
17	5.74	8.01	9.01	11.20	10.76	11.08	15.41	10.08	7.34	12.10	7.14	15.58
18	5.67	8.93	8.98	12.04	11.57	10.78	14.44	9.41	7.20	10.82	6.87	14.60
19	5.69	8.42	8.70	12.20	12.22	10.59	13.40	8.92	7.10	9.43	6.72	13.40
20	5.70	7.81	8.52	16.12	12.76	10.65	12.67	8.71	6.90	9.36	6.62	12.76
21	5.71	7.40	10.20	18.35	13.72	12.12	12.09	8.52	8.45	13.33	6.51	14.69
22	5.71	7.06	11.53	17.90	15.52	12.52	11.59	8.68	17.13	14.82	6.41	17.00
23	5.69	7.26	10.91	17.21	15.43	15.29	11.71	10.50	17.10	12.64	6.37	16.58
24	5.74	7.26	10.17	16.77	15.76	17.04	12.11	13.20	16.28	11.79	6.42	15.98
25	5.76	7.30	9.56	16.30	16.71	16.64	12.48	11.85	15.88	11.32	6.76	15.32
26	5.70	7.37	9.01	15.56	17.03	16.07	12.92	10.42	14.06	10.57	7.61	13.20
27	5.70	8.61	8.56	15.12	16.53	15.24	12.75	9.97	11.76	9.72	8.27	11.63
28	5.70	7.88	8.27	14.80	15.91	14.96	11.95	11.01	10.37	9.14	8.00	10.72
29	5.70	7.95	8.13	14.21	---	14.62	11.09	12.62	9.38	8.75	8.71	10.03
30	5.70	7.88	8.44	13.63	---	13.89	10.42	13.10	8.73	8.44	8.41	9.46
31	5.70	---	13.21	13.08	---	13.99	---	15.40	---	8.14	7.80	---
MEAN	5.68	6.88	10.39	15.15	13.57	14.09	14.45	12.08	11.56	10.74	7.50	12.12
MAX	5.80	8.93	15.33	18.35	17.03	17.22	18.65	17.05	17.13	15.90	8.71	17.00
MIN	5.51	5.73	7.25	11.20	10.76	10.59	10.42	8.52	6.90	7.97	6.37	7.01
CAL YR 1978	MEAN	9.42	MAX	19.66	MIN	5.49						
WTR YR 1979	MEAN	11.16	MAX	18.65	MIN	5.51						

MOBILE RIVER BASIN

02431000 TOMBIGBEE RIVER NEAR FULTON, MS--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1959, 1962-65, 1972 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE, WATER (DEG C)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL 30 DAY (MG/L)	BICAR- BONATE (MG/L AS HCO3)	CAR- BONATE (MG/L AS C(3)
OCT											
03...	1200	50	65	7.0	20.0	15	9.2	2.1	4.0	24	0
NOV											
07...	1400	62	56	6.5	14.5	16	9.3	2.7	--	20	0
FEB											
13...	1300	796	70	6.9	9.0	26	10.4	1.0	--	21	0
MAR											
06...	1130	4130	58	7.0	10.5	75	9.7	2.0	--	23	0
JUN											
04...	1130	4080	97	6.6	23.0	200	7.4	1.6	--	39	0
JUL											
02...	0915	275	95	7.1	24.5	25	7.4	.6	--	38	0
AUG											
06...	1030	197	125	6.2	27.0	15	7.2	4.3	--	44	0
SEP											
05...	1530	789	70	6.5	26.0	50	6.7	1.3	--	21	0

DATE	ALKA- LITY (MG/L AS CAO3)	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)	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)	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)
OCT										
03...	20	3.8	.04	.01	.23	.24	.28	1.2	.040	.010
NOV										
07...	16	10	.03	.06	.29	.35	.38	1.7	.050	.000
FEB										
13...	17	4.2	.20	.02	.21	.23	.43	1.9	.050	.020
MAR										
06...	19	3.7	.10	.05	.64	.69	.79	3.5	.130	.020
JUN										
04...	32	16	.25	.09	.68	.77	1.0	4.5	.350	.020
JUL										
02...	31	4.8	.02	.07	.24	.31	.33	1.5	.070	.020
AUG										
06...	36	44	.06	.04	.30	.34	.40	1.8	.040	.020
SEP										
05...	17	11	.08	.00	.63	.63	.71	3.1	.100	.020

02432500 BULL MOUNTAIN CREEK AT TREMONT, MS

LOCATION.--Lat 34°14'20", long 88°16'15", in NE¼SW¼ sec.5, T.10 S., R.10 E., Chickasaw Meridian, Itawamba County, Hydrologic Unit 03160101, near left bank on downstream side of bridge on U.S. Highway 78, 0.7 mi (1.1 km) northwest of Tremont, 1 mi (1.6 km) upstream from Johns Creek, 1.5 mi (2.4 km) upstream from Cypress Creek, 3.2 mi (5.1 km) upstream from Chubby Creek, and 8 mi (12.9 km) southeast of Fulton.

DRAINAGE AREA.--136 mi² (353 km²).

PERIOD OF RECORD.--October 1943 to September 1964; October 1973 to current year (low-water records only).

GAGE.--Water-stage recorder. Datum of gage is 317.39 ft (96.740 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to July 22, 1949, staff gage at same site and datum.

REMARKS.--Records fair. No gage-height record Nov. 20 to Jan. 8; discharges over 200 ft³/s (5.664 m³/s) not determined.

AVERAGE DISCHARGE.--21 years (water years 1944-64), 212 ft³/s (6.004 m³/s).

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 11.28 ft (3.438 m) Mar. 21, 1955 (discharge not determined). Minimum discharge, 4.6 ft³/s (0.13 m³/s) Sept. 13, 1954, gage height, 1.78 ft (0.542 m).

EXTREMES OUTSIDE PERIOD OF RECORD.--The flood of March 1973 reached a stage of 13.1 ft (3.99 m) from floodmark by Corps of Engineers.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 7.59 ft (2.313 m) Jan. 21 (discharge not determined); minimum discharge, 15 ft³/s (0.42 m³/s) Sept. 12, gage height, 2.00 ft (0.610 m).

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	32	23	58	---	153	---	156	100	108	29	33	30
2	38	24	49	---	143	---	---	95	91	24	44	30
3	27	23	80	---	149	---	---	195	98	22	41	34
4	22	24	190	---	153	---	---	---	98	21	33	40
5	21	24	185	---	137	---	---	---	83	20	30	33
6	21	24	110	---	137	---	---	---	75	19	28	28
7	19	27	73	---	---	---	---	---	72	19	27	25
8	18	37	150	---	---	---	---	---	65	35	24	23
9	18	34	---	---	193	---	---	180	57	158	36	21
10	19	29	---	---	170	196	---	163	55	192	29	19
11	20	29	160	---	159	---	179	143	56	94	29	18
12	21	29	110	---	153	184	---	163	51	---	68	16
13	20	29	83	193	145	170	---	176	43	182	47	90
14	26	31	75	179	138	162	---	138	39	112	32	---
15	33	30	71	153	135	149	---	122	37	84	27	---
16	24	43	76	142	128	138	---	108	34	72	25	124
17	22	88	80	140	119	134	---	95	35	61	22	93
18	21	124	73	---	185	130	---	88	32	51	20	83
19	21	53	68	---	---	127	185	82	30	44	19	81
20	21	41	82	---	174	128	168	80	28	42	18	73
21	20	34	112	---	194	192	155	74	28	46	18	159
22	21	34	120	---	---	163	146	73	37	54	27	---
23	20	36	105	---	198	---	170	71	39	52	34	145
24	20	39	90	---	---	---	159	108	34	48	45	107
25	19	39	76	---	---	---	163	89	34	45	121	87
26	20	43	70	---	---	---	151	71	32	54	106	75
27	20	73	64	---	---	190	138	73	30	112	77	68
28	21	72	59	---	---	176	125	137	28	58	57	67
29	21	60	61	189	---	160	113	129	26	48	44	64
30	21	59	90	176	---	151	107	112	26	42	39	56
31	22	---	---	169	---	144	---	116	---	37	33	---
TOTAL	689	1255	---	---	---	---	---	---	1501	---	1233	---
MEAN	22.2	41.8	---	---	---	---	---	---	50.0	---	39.8	---
MAX	38	124	---	---	---	---	---	---	108	---	121	---
MIN	18	23	---	---	---	---	---	---	26	---	18	---
CFSM	.19	.35	---	---	---	---	---	---	.42	---	.33	---
IN.	.21	.39	---	---	---	---	---	---	.47	---	.38	---

MOBILE RIVER BASIN

02433000 BULL MOUNTAIN CREEK NEAR SMITHVILLE, MS

LOCATION.--Lat 34°05'18", long 88°23'26", in SW¼SE¼ sec.30, T.11 S., R.9 E., Chickasaw Meridian, Itawamba County, Hydrologic Unit 03160101, on right bank at downstream side of old crossing 200 ft (60 m) upstream from bridge on State Highway 25, 0.8 mi (1.3 km) upstream from Mississippian Railway bridge, 1.1 mi (1.8 km) north of Smithville, and 3.5 mi (5.6 km) upstream from mouth.

DRAINAGE AREA.--336 mi² (870 km²).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1940 to current year.

REVISED RECORDS.--WSP 1504: 1948. WRD Miss. 1972: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 234.81 ft (71.570 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to Oct. 15, 1948, nonrecording gage at same site and datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--39 years, 564 ft³/s (15.97 m³/s), 22.79 in/yr (579 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 44,400 ft³/s (1,260 m³/s) Mar. 16, 1973, gage height, 18.26 ft (5.566 m); minimum, 19 ft³/s (0.54 m³/s) Aug. 28 to Sept. 3, 1943 (period of doubtful gage height record), Sept. 10, 13, 14, 15, 1954.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of December 1926 reached a stage of 15.7 ft (4.785 m), from floodmark, discharge about 29,000 ft³/s (821 m³/s), from information by Corps of Engineers.

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

Date	Time	Discharge (ft ³ /s)	Discharge (m ³ /s)	Gage height (ft)	Gage height (m)	Date	Time	Discharge (ft ³ /s)	Discharge (m ³ /s)	Gage height (ft)	Gage height (m)
Jan. 3	0130	*8260	234	12.29	3.746	Jan. 22	0830	7900	224	12.20	3.719

Minimum discharge, 63 ft³/s (1.78 m³/s) Oct. 27, 28, minimum gage height, 2.55 ft (0.777 m).

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	77	66	197	1910	592	1220	565	326	487	88	172	112
2	81	66	191	3510	528	1020	1010	314	370	102	146	110
3	95	67	159	6480	522	1250	1580	425	336	93	147	107
4	84	69	292	3450	567	1730	1990	1090	354	83	139	107
5	74	73	631	1640	547	2050	2200	1830	324	79	119	110
6	72	78	510	924	510	3010	1780	2350	268	77	109	112
7	74	83	288	1590	799	1820	1230	1870	241	81	103	99
8	71	87	232	2350	1040	1130	945	1120	226	83	98	89
9	69	93	471	3940	924	882	1020	774	203	417	93	82
10	68	104	806	2980	729	805	906	637	182	745	100	78
11	69	100	761	1480	629	861	765	545	170	797	109	74
12	70	97	427	921	580	835	835	557	172	789	112	71
13	73	97	328	771	545	691	1750	707	165	1060	192	284
14	72	96	275	693	510	621	1990	629	146	1140	153	911
15	73	98	242	608	487	565	2850	471	134	557	113	1230
16	86	105	234	517	465	512	2130	401	124	346	97	1620
17	83	127	247	487	436	478	1230	346	117	274	90	631
18	75	216	275	653	543	458	879	307	112	231	83	382
19	72	261	236	888	807	443	726	277	109	192	79	326
20	71	170	221	1990	779	450	629	258	103	170	76	301
21	68	129	265	4180	740	613	555	246	98	172	73	368
22	67	116	421	7150	824	710	510	232	96	209	73	701
23	67	118	385	4640	824	1260	510	227	194	226	76	761
24	68	120	305	2980	942	1610	582	229	162	189	89	462
25	67	135	270	1810	1740	1840	587	266	123	191	106	344
26	67	132	246	1300	1850	1420	567	237	118	197	266	279
27	64	150	222	1020	2140	891	499	216	112	202	301	244
28	65	259	206	945	1750	735	445	258	105	277	214	229
29	67	232	197	827	---	677	394	467	98	209	173	222
30	68	186	206	696	---	600	354	445	91	170	151	216
31	66	---	562	642	---	547	---	517	---	153	132	---
TOTAL	2243	3730	10348	63972	23349	31734	32013	18574	5540	9599	3984	10662
MEAN	72.4	124	334	2064	834	1024	1067	599	185	310	129	355
MAX	95	261	806	7150	2140	3010	2850	2350	487	1140	301	1620
MIN	64	66	159	487	436	443	354	216	91	77	73	71
CFSM	.22	.37	.99	6.14	2.48	3.05	3.18	1.78	.55	.92	.38	1.06
IN.	.25	.41	1.15	7.08	2.59	3.51	3.54	2.06	.61	1.06	.44	1.18

CAL YR 1978 TOTAL 159275 MEAN 436 MAX 10600 MIN 31 CFSM 1.30 IN 17.63
WTR YR 1979 TOTAL 215748 MEAN 591 MAX 7150 MIN 64 CFSM 1.76 IN 23.89

02433000 BULL MOUNTAIN CREEK NEAR SMITHVILLE, MS--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1972, 1977 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE, WATER (DEG C)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	BICAR- BONATE (MG/L AS HCO3)	CAR- BONATE (MG/L AS CO3)
OCT 03...	1120	89	30	6.7	18.0	10	8.6	2.0	15	0
NOV 07...	1315	72	25	6.5	13.5	5.0	9.5	2.1	13	0
FEB 13...	1145	545	26	6.7	5.0	9.0	10.8	.7	7	0
AUG 06...	1130	109	29	6.6	24.5	10	7.3	2.6	17	0
SEP 05...	1430	111	33	6.6	24.5	10	8.0	.9	10	0

DATE	ALKA- LITY (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)	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)	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)
OCT 03...	12	4.8	.10	.00	.39	.39	.49	2.2	.010	.000
NOV 07...	11	6.6	.00	.05	.10	.15	.15	.66	.010	.000
FEB 13...	6	2.2	.29	.01	.05	.06	.35	1.6	.010	.010
AUG 06...	14	6.8	.21	.01	.10	.11	.32	1.4	.020	.020
SEP 05...	8	4.0	.17	.00	.27	.27	.44	1.9	.020	.010

MOBILE RIVER BASIN

02433500 TOMBIGBEE RIVER AT BIGBEE, MS

LOCATION.--Lat 34°00'42", long 88°30'50", in SW¼NE¼ sec.25, T.12 S., R.7 E., Chickasaw Meridian, Monroe County, Hydrologic Unit 03160101, near right bank on downstream side of bridge on State Highway 6, 0.2 mi (0.3 km) upstream from St. Louis-San Francisco Railway bridge, 0.5 mi (0.8 km) southeast of Bigbee, 2 mi (3 km) northwest of Amory, 3.7 mi (6.0 km) upstream from Town Creek, and at mile 383.1 (616.4 km).

DRAINAGE AREA.--1,226 mi² (3,175 km²).

PERIOD OF RECORD.--October 1944 to September 1954, October 1963 to current year. Monthly discharge only for some periods, published in WSP 1304. Prior to October 1966, published as East Fork Tombigbee River at Bigbee.

REVISED RECORDS.--WSP 1504: 1946, 1948. WRD Miss. 1972: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 190.00 ft (57.912 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to Sept. 9, 1949, nonrecording gage at same site and datum. Water-stage recorder for Tombigbee River near Amory (station 02437000), 4.0 mi (6.4 km) downstream, used as an auxiliary gage for this station.

REMARKS.--Records fair.

AVERAGE DISCHARGE.--26 years, 2,110 ft³/s (59.76 m³/s), 23.37 in/yr (594 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 112,000 ft³/s (3,170 m³/s) Mar. 17, 1973, gage height, 27.64 ft (8.425 m); minimum, 29 ft³/s (0.82 m³/s).

EXTREMES OUTSIDE PERIOD OF RECORD.--The flood of 1973 was the highest since at least 1890. The flood of Mar. 23, 1955, reached a stage of 26.2 ft (7.99 m), from floodmark, discharge, 73,000 ft³/s (2,070 m³/s). Flood of December 1926 reached a stage of 24.2 ft (7.38 m), from information by Corps of Engineers.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 12,000 ft³/s (340 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)	Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
Jan. 4	0145	17300 490	16.90 5.151	Apr. 4	2400	12500 354	15.72 4.791
Jan. 23	0515	*23700 671	18.99 5.788	Apr. 14	2015	22000 623	18.68 5.688

Minimum daily discharge, 112 ft³/s (3.46 m³/s) Oct. 11, 12 (occurred during period of no gage height record.)

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	153	136	503	6500	2110	5610	2290	1190	2220	700	480	448
2	152	139	491	5830	1840	4410	3020	1120	2340	560	520	448
3	140	141	405	12700	1690	3690	5170	1460	2950	470	502	718
4	136	147	771	15400	1700	5730	10700	3530	2820	400	497	894
5	138	150	1130	9710	1660	6270	11500	5230	3070	360	456	962
6	140	150	1460	5900	1590	9110	8880	6540	3390	350	426	1020
7	134	159	1070	5420	2120	7680	6540	7570	2720	1220	436	899
8	128	168	819	5990	2570	5450	4810	5970	2060	1450	413	685
9	126	179	1680	6560	2780	4010	4050	4360	1520	1730	385	505
10	124	188	1990	8310	2810	3150	3430	3290	1200	2250	382	371
11	122	194	2080	6470	2700	2680	2710	2430	1080	2080	394	355
12	122	196	1940	4590	2440	2430	2440	2060	820	2830	415	327
13	126	200	1870	3540	2110	2280	6080	2210	680	2770	528	898
14	136	210	1720	2760	1810	2070	17700	2170	620	2690	573	3760
15	180	211	1300	2170	1620	1870	18800	2000	560	2760	569	5190
16	172	228	894	1730	1480	1670	11500	1690	510	2500	452	4540
17	158	301	769	1470	1350	1090	6630	1380	460	2270	398	4020
18	152	451	734	1690	1510	1350	4390	1160	430	1750	357	4060
19	148	601	687	1950	1980	1260	3320	1000	380	1240	326	3200
20	142	536	632	3930	2020	1260	2560	860	340	1040	302	2510
21	140	419	678	10400	2040	1710	2230	740	330	1660	299	1190
22	138	357	948	18200	2360	1850	1930	640	320	1300	296	932
23	136	337	1160	21500	2390	3240	1800	710	1740	1200	278	3360
24	130	337	1010	11800	2660	4110	1790	690	5140	1350	281	4230
25	139	339	865	8160	4230	4920	1850	1000	5520	1300	299	4300
26	141	357	751	5860	5030	6680	1820	1340	3800	1000	438	3360
27	140	443	658	4570	6830	5390	1770	820	2750	780	438	2530
28	138	579	590	3740	7280	4070	1690	760	1860	630	466	1810
29	138	597	547	3210	---	3290	1550	2120	1200	900	560	1270
30	137	531	545	2690	---	2700	1360	2060	900	700	591	976
31	137	---	1460	2380	---	2380	---	2050	---	560	531	---
TOTAL	4343	4981	32197	205180	72710	113810	154310	70150	53730	42800	13228	60668
MEAN	140	299	1039	6619	2597	3671	5144	2263	1791	1381	427	2022
MAX	180	601	2080	21500	7280	9110	18800	7570	5520	2830	591	5190
MIN	122	136	445	1470	1350	1260	1360	640	320	350	278	327
CFSM	.11	.24	.85	5.40	2.12	2.99	4.20	1.85	1.46	1.13	.35	1.65
IN	.13	.27	.98	6.23	2.21	3.45	4.68	2.13	1.63	1.30	.40	1.84
DAY YR 1978	INITIAL	571963	MEAN	1567	MAX	37600	MIN	111	CFSM	1.28	IN	17.35
DAY YR 1979	INITIAL	832107	MEAN	2280	MAX	21500	MIN	122	CFSM	1.86	IN	25.25

02435020 TOWN CREEK AT EASON BOULEVARD AT TUPELO, MS

LOCATION.--Lat 34°14'08", long 88°41'43", on line between secs.5 and 8, T.10 S., R.6 E., Chickasaw Meridian, Lee County, Hydrologic Unit 03160102, on left bank at downstream side of bridge on Eason Boulevard in Tupelo, 400 ft (120 m) upstream from Kings Creek, 0.2 mi (0.3 km) downstream from Mud Creek; 0.4 mi (0.6 km) downstream from St. Louis and San Francisco Railroad, and 2.0 mi (3.2 km) upstream from Tulip Creek.

DRAINAGE AREA.--230 mi² (596 km²), includes that of Kings Creek.

PERIOD OF RECORD.--October 1970 to current year. Daily mean gage heights published since October 1971.

GAGE.--Water-stage recorder. Datum of gage is 230.00 ft (70.104 m) National Geodetic Vertical Datum of 1929.

REMARKS.--Records fair. No gage height record Aug. 18 to Sept. 30. Discharge includes flow of Kings Creek.

AVERAGE DISCHARGE.--9 years, 499 ft³/s (14.13 m³/s), 29.46 in/yr (748 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 22,600 ft³/s (640 m³/s) May 7, 1978, gage height, 27.08 ft (8.254 m); minimum, 1.9 ft³ (0.054 m³/s) Sept. 13, 1977, gage height, 2.62 ft (0.799 m).

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 8,000 ft³/s (227 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)	Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
Jan. 1	1645	11600 329	25.22 7.687	Apr. 2	1715	8340 236	24.21 7.379
Jan. 20	1415	12100 343	25.34 7.724	Apr. 12	1745	*17100 484	26.32 8.022

Minimum discharge, 3.4 ft³/s (0.096 m³/s) Oct. 8, gage height, 2.65 ft (0.808 m).

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.0	17	13	8450	247	499	1140	207	626	88	34	600
2	5.2	17	12	5050	218	327	5310	201	448	84	33	190
3	4.5	17	164	1000	273	3360	3960	787	1810	80	45	180
4	4.5	17	697	642	263	4460	2110	4060	527	78	31	98
5	4.5	17	205	512	214	929	1080	2000	346	76	28	60
6	4.5	18	60	579	377	688	770	781	274	117	27	38
7	3.6	19	32	4730	2000	586	625	596	326	110	24	29
8	6.4	17	939	1530	532	516	557	483	204	257	22	24
9	10	17	2810	585	362	429	528	372	166	524	19	20
10	10	25	378	463	281	582	420	322	208	110	18	17
11	15	15	276	392	256	485	385	267	169	246	23	16
12	15	8.4	186	336	242	356	11500	991	150	3300	64	15
13	18	4.9	102	304	223	309	8250	539	133	543	26	1500
14	13	5.2	64	271	205	264	2380	326	115	290	19	2400
15	14	6.9	51	209	191	224	1270	258	105	207	17	400
16	13	13	60	200	157	198	937	217	100	134	15	190
17	14	75	60	307	136	190	766	192	95	84	14	132
18	14	19	48	410	317	163	645	170	92	78	13	100
19	13	9.5	45	503	347	150	550	156	89	74	13	92
20	14	7.9	88	8930	429	142	452	142	87	256	12	120
21	15	6.9	232	7970	1460	218	378	135	774	1370	14	2700
22	16	7.9	133	2650	595	208	344	203	869	257	15	500
23	16	8.9	71	1160	540	2550	390	232	364	196	16	260
24	16	8.4	57	1740	875	754	361	326	732	208	14	165
25	16	8.4	48	689	2780	468	390	189	364	174	230	116
26	17	13	43	547	692	368	364	183	250	128	500	91
27	18	11	37	800	481	385	331	305	186	155	90	72
28	18	12	34	498	387	694	280	285	136	90	36	58
29	18	16	32	381	---	394	243	487	107	60	54	48
30	17	14	244	338	---	314	219	919	94	40	35	42
31	17	---	2260	299	---	1400	---	4170	---	36	22	---
TOTAL	386.5	452.3	9481	52475	15080	22600	46935	20501	9946	9450	1523	10273
MEAN	12.5	15.1	306	1693	539	729	1565	661	332	305	49.1	342
MAX	18	75	2810	8930	2780	4460	11500	4170	1810	3300	500	2700
MIN	3.9	4.9	12	200	136	142	219	135	87	36	12	15
CFSM	.05	.07	1.33	7.36	2.34	3.17	6.80	2.87	1.44	1.33	.21	1.49
IN.	.06	.07	1.53	8.49	2.44	3.66	7.59	3.32	1.61	1.53	.25	1.66

CAL YR 1978 TOTAL 134655.2 MEAN 369 MAX 14000 MIN 3.9 CFSM 1.60 IN 21.78
WTR YR 1979 TOTAL 199102.8 MEAN 545 MAX 11500 MIN 3.9 CFSM 2.37 IN 32.20

MOBILE RIVER BASIN

02435020 TOWN CREEK AT EASON BOULEVARD AT TUPELO, MS--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.71	2.84	2.85	23.53	3.91	5.41	9.79	3.57	6.90	---	---	---
2	2.70	2.84	2.83	20.06	3.69	4.34	19.32	3.54	5.72	---	3.04	---
3	2.65	2.84	3.40	5.04	4.10	14.57	18.73	7.24	12.17	---	3.12	---
4	2.65	2.84	7.07	6.89	4.02	19.31	13.67	18.83	6.31	---	3.02	---
5	2.65	2.84	3.63	5.98	3.66	8.64	9.47	12.95	5.07	---	2.99	---
6	2.65	2.90	3.07	6.29	4.72	6.87	7.54	7.66	4.52	3.55	2.98	---
7	2.67	2.91	3.97	20.53	13.08	6.03	6.42	6.27	4.91	3.51	2.95	---
8	2.73	2.89	7.23	11.06	5.90	5.46	5.88	5.39	4.02	4.36	2.92	---
9	2.81	2.89	14.98	6.49	4.70	4.94	5.64	4.69	3.78	6.16	2.90	---
10	2.81	2.84	4.46	5.61	4.12	5.94	4.94	4.37	4.07	3.50	2.89	---
11	2.87	2.87	4.18	5.08	3.94	5.27	4.69	4.00	3.81	4.23	2.92	---
12	2.87	2.78	3.50	4.65	3.84	4.50	24.06	8.73	---	17.10	3.24	---
13	2.90	2.70	3.17	4.40	3.70	4.21	23.55	5.87	---	6.46	2.96	---
14	2.85	2.71	3.08	4.14	3.58	3.93	14.44	4.42	---	4.73	2.89	---
15	2.88	2.74	3.00	3.65	3.49	3.67	10.44	3.96	---	4.12	2.87	---
16	2.85	2.84	3.07	3.58	3.34	---	8.73	3.66	---	3.64	2.84	---
17	2.86	3.10	3.07	4.45	3.27	---	7.52	3.50	---	---	2.83	---
18	2.86	2.90	3.03	5.36	4.33	---	6.61	---	---	---	---	---
19	2.85	2.80	3.02	5.84	4.52	---	5.86	---	---	---	---	---
20	2.86	2.77	3.15	23.59	5.05	---	5.16	---	---	4.45	---	---
21	2.87	2.75	3.83	23.85	10.53	3.64	4.69	---	6.82	9.91	---	---
22	2.88	2.77	3.26	15.15	6.24	3.59	4.48	3.59	7.99	4.47	---	---
23	2.88	2.79	3.10	9.92	5.80	14.36	4.77	3.82	5.30	4.02	---	---
24	2.88	2.78	3.06	12.17	8.23	7.26	4.59	4.50	7.65	4.11	---	---
25	2.88	2.78	3.03	7.17	15.62	5.21	4.78	3.51	5.31	3.88	---	---
26	2.85	2.83	3.01	6.17	6.94	4.59	4.61	3.46	4.46	3.58	---	---
27	2.90	2.82	2.99	7.86	5.33	4.67	4.40	4.38	4.01	3.75	---	---
28	2.90	2.83	2.98	5.78	4.73	6.86	4.06	4.23	3.67	---	---	---
29	2.90	2.88	2.97	4.91	---	4.76	3.82	5.74	3.48	---	---	---
30	2.89	2.86	4.03	4.59	---	4.26	3.66	7.39	---	---	---	---
31	2.85	---	14.03	4.30	---	9.90	---	18.99	---	---	---	---
MEAN	2.83	2.84	4.25	9.10	5.51	---	8.54	---	---	---	---	---
MAX	2.90	3.10	14.98	23.85	15.62	---	24.06	---	---	---	---	---
MIN	2.67	2.70	2.83	3.58	3.27	---	3.66	---	---	---	---	---

LOCATION.--Lat 34°03'32", long 88°37'40", in NW¼ sec.12, T.12 S., R.6 E., Chickasaw Meridian, Monroe County, Hydrologic Unit 03160102, on right bank at downstream side of bridge on U.S. Highway 45, 1.9 mi (3.1 km) downstream from Tallabinnela Creek, 2 mi (3 km) downstream from Tubbalubba Creek, and 2.1 mi (3.4 km) south of Nettleton.

WATER-DISCHARGE RECORDS

REVISÉD RECORDS.--WSP 1504: 1948.

REMARKS.--Records fair.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 151,000 ft³/s (4,280 m³/s) Mar. 22, 1955, gage height, 33.88 ft (10.327 m); minimum, 0.8 ft³/s (0.023 m³/s) Sept. 14, 15, 1942.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since at least 1892, that of Mar. 22, 1955. Flood of Dec. 24, 1926, reached a stage of 32.5 ft (9.91 m), present datum, from floodmark.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 15,000 ft³/s (425 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s)	Discharge (m ³ /s)	Gage height (ft)	Gage height (m)	Date	Time	Discharge (ft ³ /s)	Discharge (m ³ /s)	Gage height (ft)	Gage height (m)
Jan. 1	1230	22200	629	27.54	8.394	May 4	1330	16000	453	25.99	7.922
Jan. 20	1500	*26000	736	28.15	8.580	July 12	0530	17000	481	26.33	8.025
Mar. 3	2015	17800	504	26.59	8.105	Sept. 13	1945	17900	507	26.63	8.117
Apr. 13	0630	23100	654	27.69	8.440	Sept. 21	0645	15600	442	25.84	7.877

Minimum daily discharge, 17 ft³/s (0.48 m³/s) Oct. 9.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	21	29	57	17100	440	1270	1890	410	2310	85	160	1020
2	20	29	48	11100	372	768	7770	400	1400	79	140	2730
3	21	29	48	3470	565	9160	8300	2000	3320	74	180	860
4	21	29	1700	2080	587	10700	5270	12700	1350	70	375	788
5	21	29	359	1420	357	2990	2920	7390	872	110	132	304
6	21	29	162	1240	964	1580	1760	2660	652	170	115	203
7	19	33	114	10900	5490	1220	1300	1590	744	1670	103	150
8	18	32	944	4740	1620	956	1040	1200	463	540	95	121
9	15	32	4890	1410	864	752	2040	930	359	4700	105	95
10	24	32	932	976	558	960	1130	710	375	864	93	80
11	24	39	500	732	505	1100	1040	570	463	584	82	71
12	25	32	347	569	460	656	14600	2560	236	12400	123	64
13	32	24	203	494	407	547	20400	1490	170	2820	103	6700
14	34	24	192	440	372	480	8940	1000	140	1090	83	10700
15	30	25	171	313	350	420	4030	690	120	684	71	2750
16	29	66	192	310	301	370	3030	540	110	477	64	1250
17	29	131	182	404	261	330	2390	440	100	300	59	844
18	32	104	158	1350	1520	300	1890	380	90	190	56	640
19	47	59	143	1200	964	280	1490	380	84	170	53	551
20	48	44	137	20700	984	580	1100	330	80	630	51	760
21	48	40	536	21300	2080	460	850	290	301	2170	62	12300
22	38	38	316	8990	1430	900	1000	260	1430	580	66	4870
23	29	46	207	3940	1120	6010	950	245	912	320	76	1530
24	24	42	174	4560	2910	2500	1000	536	1390	380	63	984
25	29	37	156	2310	5820	944	750	241	648	340	529	700
26	30	42	141	1610	2040	656	640	170	310	190	2680	529
27	31	57	129	2060	1080	560	550	304	200	270	474	414
28	31	59	122	1310	808	1000	480	740	140	330	188	343
29	29	64	120	844	---	610	450	1920	110	420	322	275
30	28	71	338	684	---	520	420	2290	93	360	144	223
31	29	---	4000	584	---	1200	---	8200	---	210	102	---
TOTAL MEAN MAX MIN CFSM TOL	888 28.8 48 18 1.05 1.06	1387 46.2 131 24 1.08	17758 573 4990 48 1.93 1.07	129140 4166 21300 310 6.75 1.79	35309 1261 5820 261 2.04 2.13	50779 1638 10700 280 2.66 3.06	99420 3314 20400 420 5.37 5.99	53566 1728 12700 170 2.80 3.23	18972 632 3320 80 1.02 1.14	33277 1073 12400 70 1.74 2.01	6949 224 2680 51 1.36 1.42	52849 1762 12300 64 2.86 3.19
CAL YR 1978 KIR YR 1979	TOTAL TOTAL	116683 500294	MEAN MEAN	866 1371	MAX 21300	31500 21300	MIN 14 MIN 18	CFSM 1.40 CFSM 2.22	IN 19.06 IN 30.16			

MOBILE RIVER BASIN

02436500 TOWN CREEK NEAR NETTLETON, MS--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1959, 1962-65, 1968, 1974 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MH/CM)	PH (UNITS)	TEMPER- ATURE, WATER (DEG C)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, BIOCHEM UNTINHIB 5 DAY (MG/L)	BICAR- BONATE (MG/L AS HCO3)	CAR- BONATE (MG/L AS CO3)
CCT										
02...	1100	18	624	8.4	23.5	6.0	13.3	12	180	0
NOV										
06...	1130	28	390	8.2	19.0	8.0	11.8	9.1	120	0
FEB										
12...	1030	445	220	7.0	5.0	53	12.2	2.7	84	0
AUG										
07...	1245	102	300	8.6	32.0	10	13.0	9.9	130	0
SEP										
04...	1115	715	190	7.1	28.0	100	6.3	3.0	90	0

DATE	ALKA- LINIT (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)	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)	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)
CCT										
02...	150	1.1	.96	.07	2.2	2.3	3.3	14	1.100	.860
NOV										
06...	98	1.2	.81	.81	.89	1.7	2.5	11	1.200	.950
FEB										
12...	69	13	.45	.35	.62	.97	1.4	6.3	.280	.150
AUG										
07...	110	.5	.00	.12	2.8	2.9	2.9	13	.410	.250
SEP										
04...	74	11	.40	.01	1.6	1.6	2.0	8.9	.500	.090

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LOCATION.--Lat 33°59'07", long 88°33'03", in NW¼NE¼ sec.3, T.13 S., R.7 E., Chickasaw Meridian, Monroe County, Hydrologic Unit 03161010, near right bank on downstream side of bridge on U.S. Highway 278, 0.3 mi (0.5 km) downstream from Town Creek, 3.5 mi (5.6 km) west of Amory, and at mile 378.9 (609.7 km).

DRAINAGE AREA.--1,924 mi² (4,983 km²).

PERIOD OF RECORD.--October 1937 to current year. Monthly discharge only for October and November 1937, published in WSP 1304. Daily mean gage heights published since October 1971.

REVISED RECORDS.--WSP 1504: 1948. WRD Miss. 1972: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 178.34 ft (54.358 m) National Geodetic Vertical Datum of 1929 (Levels by Corps of Engineers). Prior to Oct. 10, 1939, nonrecording gage at site 1,500 ft (460 m) upstream at same datum. Oct. 10, 1939, to Oct. 16, 1948, nonrecording gage at present site and datum. Water-stage recorder for station at Aberdeen (station 02437500), 20 mi (32 km) downstream, was used as an auxiliary gage for this station 1950-58.

REMARKS.--Records good.

AVERAGE DISCHARGE.--42 years, 3,093 ft³/s (87.59 m³/s), 21.83 in/yr (554 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 162,000 ft³/s (4,590 m³/s) Mar. 17, 1973, gage height, 34.65 ft (10.561 m); minimum discharge, 45 ft³/s (1.27 m³/s) Sept. 20, 1954; minimum gage height, 0.77 ft (0.235 m) Sept. 1, 1943.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of April 1892 reached a stage of 33.5 ft (10.21 m) and the flood of Dec. 26 reached a stage of 31.5 ft (9.60 m), from Corps of Engineers profiles.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 15,000 ft³/s (425 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s)	Discharge (m ³ /s)	Gage height (ft)	Gage height (m)	Date	Time	Discharge (ft ³ /s)	Discharge (m ³ /s)	Gage height (ft)	Gage height (m)
Jan. 2	0445	21600	612	24.12	7.352	Apr. 14	1030	30200	855	26.12	7.961
Jan. 21	1730	*34100	966	26.78	8.163	May 5	0500	18700	530	23.12	7.047
Mar. 4	1000	20200	572	23.64	7.205	Sept. 14	2015	15600	442	21.95	6.690
Apr. 4	2145	18000	510	22.90	6.980						

Minimum discharge, 166 ft³/s (4.70 m³/s) Oct. 30, gage height, 4.80 ft (1.463 m).

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	175	169	479	13300	2910	7500	4240	1600	6700	839	764	580
2	175	171	461	20700	2500	5740	8290	1470	4190	700	798	630
3	175	175	419	18000	2410	8480	15400	3070	6460	651	692	980
4	180	179	2070	18200	2560	19100	17000	12100	5010	584	919	1120
5	190	181	1850	14500	2300	14000	16600	17300	4150	541	661	1430
6	182	181	1890	9760	2280	12100	13400	11900	4170	683	583	1350
7	180	192	1420	14900	7060	10900	10100	10400	3830	2200	579	1160
8	180	201	2040	16800	5430	8050	7320	8360	2980	817	534	915
9	178	210	5980	11300	4000	5710	7010	5980	2260	5750	519	711
10	176	212	3190	10300	3580	4610	5210	4560	1770	3470	489	533
11	174	223	2780	8650	3400	4460	4130	3540	1630	2710	505	484
12	172	221	2500	6170	3140	3650	10500	4210	1170	10600	538	446
13	172	218	2320	4680	2760	3220	23100	4290	1000	10100	655	2420
14	176	218	1800	3760	2400	2890	29200	3230	878	4850	676	13700
15	184	220	1500	2900	2170	2560	24800	2840	787	3910	594	11300
16	220	250	1180	2330	1970	2280	18400	2400	716	3410	524	6320
17	216	353	1000	2020	1760	2040	12800	1970	667	3060	466	5860
18	214	428	880	3060	2910	1840	8690	1610	616	2500	416	5070
19	202	610	770	3110	3240	1700	6060	1360	583	1800	381	4210
20	194	535	720	13700	3130	1720	4540	1210	546	1600	369	3470
21	188	413	680	31700	3530	2360	3530	1090	519	2610	395	4310
22	184	350	1000	32300	4110	2390	2930	1150	1940	2100	390	12200
23	184	329	1560	27000	3620	7930	2800	1140	2360	1960	378	6070
24	188	332	1100	20400	5210	9180	2750	1600	5210	2110	360	5510
25	173	329	860	15100	9500	6080	3000	1640	5840	1910	420	5040
26	175	338	750	10600	8940	6930	2740	1570	4420	1650	580	4150
27	175	452	680	8220	7850	6250	2560	1320	3420	1570	630	3310
28	173	553	650	6020	8360	5220	2330	1900	2530	1320	680	2550
29	171	570	620	4840	---	4260	2100	3600	1590	1460	800	1920
30	169	521	594	3970	---	3570	1850	3650	1100	1150	1120	1500
31	171	---	3610	3390	---	3420	---	9630	---	867	630	---
TOTAL	5668	9434	47353	362080	113030	180140	273380	131670	79062	79482	18045	114249
MEAN	183	314	1528	11680	4037	5811	9113	4247	2635	2564	582	3808
MAX	220	610	5980	32300	9500	19100	29200	17300	6700	10600	1120	13700
MIN	169	169	419	2020	1760	1700	1850	1090	519	541	360	446
DIFF	10	16	79	607	210	302	474	221	137	133	30	198
COEF	11	18	92	700	219	348	529	255	153	154	35	282

CAL YR 1978	TOTAL	933430	AFAN	2557	MAX	57300	MIN	121	CFSM	1.33	IN	18.05
WR YR 1979	TOTAL	1413591	AFAN	3873	MAX	32300	MIN	169	CFSM	2.01	IN	27.33

MOBILE RIVER BASIN

02437000 TOMBIGBEE RIVER NEAR AMORY, MS--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11.85	11.82	6.03	20.51	10.84	17.28	13.06	8.55	16.24	6.97	6.79	---
2	11.85	11.83	5.97	23.83	10.16	15.40	16.97	8.31	12.99	6.62	6.87	---
3	---	11.85	5.83	22.89	10.01	17.31	21.86	11.07	16.26	6.50	6.60	---
4	---	11.87	9.25	22.97	10.27	23.28	22.51	20.03	14.32	6.34	7.15	---
5	---	11.88	---	21.48	9.82	21.21	22.37	22.62	12.92	6.22	6.53	6.24
6	---	11.88	8.54	18.48	9.78	20.38	20.97	20.25	12.96	6.58	6.33	8.08
7	---	11.54	7.67	21.48	16.71	19.68	19.21	19.43	12.39	9.53	6.32	7.71
8	---	11.99	8.63	22.39	10.86	17.74	17.11	18.00	10.96	6.91	6.20	7.16
9	---	5.04	15.10	19.92	12.67	15.36	16.83	15.69	9.74	15.17	6.15	6.65
10	---	5.05	10.79	19.34	11.96	13.69	14.69	13.60	8.85	11.79	6.06	6.19
11	---	5.11	10.11	18.22	11.66	13.43	12.88	11.91	8.59	10.52	6.11	6.05
12	---	5.10	9.63	15.92	11.23	12.09	18.72	13.01	7.72	18.90	6.21	5.92
13	---	5.08	9.32	13.80	10.50	11.37	24.49	13.15	7.36	19.00	6.51	9.25
14	---	5.08	---	12.27	10.00	10.61	25.95	11.39	7.07	14.07	6.57	21.08
15	---	5.09	---	10.83	9.58	10.27	24.99	10.73	6.84	12.52	6.36	19.76
16	---	5.24	---	9.88	9.22	9.78	23.00	9.99	6.67	11.69	6.17	16.11
17	---	5.61	---	9.30	8.84	9.35	20.69	9.22	6.54	11.10	5.99	15.61
18	---	6.18	---	11.09	10.82	8.99	18.24	8.57	6.82	10.16	5.82	14.45
19	---	6.40	---	11.18	11.41	8.73	15.79	8.11	6.33	8.92	5.70	13.02
20	---	6.20	---	20.09	11.21	8.76	13.56	7.81	6.23	8.55	5.66	11.78
21	---	5.81	---	26.37	11.89	9.92	11.88	7.56	6.15	10.31	5.75	17.92
22	---	5.60	---	26.49	12.85	9.98	10.88	7.64	9.18	9.45	---	20.26
23	---	5.53	---	25.50	12.04	16.73	10.66	7.66	9.88	9.20	---	15.80
24	---	5.54	---	23.73	14.65	18.49	10.59	8.55	14.64	9.47	---	15.16
25	11.84	5.53	---	21.71	18.67	15.86	10.99	8.62	15.54	9.12	---	14.40
26	11.85	5.56	---	19.49	18.41	16.76	10.56	8.49	13.37	8.64	---	12.92
27	11.85	5.54	---	17.90	17.57	16.03	10.28	8.03	11.70	8.48	---	11.52
28	11.84	6.25	---	16.20	18.02	14.70	9.87	9.10	10.21	8.03	---	10.25
29	11.83	6.30	---	14.07	---	13.09	9.46	11.99	8.53	8.28	---	9.12
30	11.82	6.16	6.36	12.61	---	11.96	9.00	12.07	7.57	7.67	---	8.37
31	11.83	---	11.94	11.65	---	11.70	---	18.86	---	7.04	---	---
MEAN	---	5.42	---	18.13	12.35	14.20	16.27	11.94	10.14	9.80	---	---
MAX	---	6.40	---	26.49	18.67	23.28	25.95	22.62	16.26	19.00	---	---
MIN	---	4.82	---	9.30	8.83	8.73	9.00	7.56	6.15	6.22	---	---

02437000 TOMBIGBEE RIVER NEAR AMORY--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1963-64, 1972 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CTIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE, WATER (DEG C)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL 30 DAY (MG/L)	BICAR- BONATE (MG/L AS HCO3)	CAR- BONATE (MG/L AS CO3)
OCT 02...	1145	163	155	6.9	21.5	20	8.9	4.2	7.4	50	0
NOV 06...	1315	172	145	7.4	16.5	8.0	10.6	5.0	--	47	0
FEB 12...	1115	3140	100	6.9	3.5	37	12.8	1.6	--	32	0
MAR 05...	1130	13600	125	7.1	11.5	80	9.6	2.4	--	49	0
JUN 04...	1330	4780	130	7.2	24.0	90	7.3	3.1	--	52	0
JUL 02...	1100	698	138	7.1	27.0	30	8.4	2.7	--	59	0
AUG 06...	1230	579	160	7.2	29.0	15	9.1	4.6	--	59	0
SEP 04...	1230	1910	140	7.3	26.0	100	7.9	3.0	--	64	0

DATE	ALKA- LITY (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)	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)	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)
OCT 02...	41	10	.08	.02	.51	.53	.61	2.7	.100	.110
NOV 06...	39	3.0	.21	.08	.63	.71	.92	4.1	.180	.120
FEB 12...	26	6.4	.30	.07	.35	.42	.72	3.2	.100	.040
MAR 05...	40	6.2	.22	.12	.98	1.1	1.3	5.8	.330	.160
JUN 04...	43	5.3	.25	.07	.85	.92	1.2	5.2	.200	.020
JUL 02...	48	7.5	.01	.05	.60	.65	.66	2.9	.140	.030
AUG 06...	48	6.0	.00	.15	1.2	1.3	1.3	5.8	.120	.050
SEP 04...	53	5.1	.30	.06	1.2	1.3	1.6	7.1	.380	.070

MOBILE RIVER BASIN

02437500 TOMBIGBEE RIVER AT ABERDEEN, MS

LOCATION.--Lat 33°49'14", long 88°31'07", in N½ sec.27, T.14 S., R.19 W., Huntsville Meridian, Monroe County, Hydrologic Unit 03160101, on left bank at downstream side of bridge on U.S. Highway 45, 1.3 mi (2.1 km) downstream from St. Louis-San Francisco Railway bridge, 1.5 mi (2.4 km) east of Aberdeen, 2 mi (3 km) downstream from Matubby Creek, 6 mi (10 km) downstream from Halfway Creek, and 13 mi (21 km) upstream from McKinley Creek.

DRAINAGE AREA.--2,169 mi² (5,618 km²).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--August 1928 to September 1958, October 1958 to September 1971 (annual maximums only), October 1971 to current year. Daily mean gage-heights published since October 1971. Gage-height records collected at site 1.3 mi (2.1 km) upstream since 1909 are contained in reports of National Weather Service.

REVISED RECORDS.--WRD Miss. 1972: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 154.71 ft (47.156 m) National Geodetic Vertical Datum of 1929 (Corps of Engineers bench mark). Prior to Nov. 5, 1934, nonrecording gage at site 1.3 mi (2.1 km) upstream, and Nov. 6, 1934 to Aug. 30, 1939, nonrecording gage at present site, all at present datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--38 years, 3,315 ft³/s (93.88 m³/s), 20.76 in/yr (527 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 123,000 ft³/s (3,480 m³/s) Mar. 18, 1973, gage height, 45.02 ft (13.722 m); maximum gage height, 45.3 ft (13.81 m) Mar. 23, 1955, at former site; minimum discharge, 58 ft³/s (1.64 m³/s) Sept. 1, 2, 1943; minimum gage height, 0.77 ft (0.235 m) Sept. 12, 13, 1954.

EXTREMES OUTSIDE PERIOD OF RECORD.--A flood on Apr. 20, 1892, reached a stage of 44.8 ft (13.6 m) at former site.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 32,600 ft³/s (923 m³/s) Jan. 23, gage height, 37.91 ft (11.555 m); minimum, 166 ft³/s (4.70 m³/s) Oct. 10, 11, gage height, 4.22 ft (1.286 m).

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	185	183	560	7280	3230	8610	3930	1820	7950	978	943	675
2	184	183	519	11800	2740	8010	5260	1660	6510	803	852	3930
3	184	184	486	14200	2480	8000	9270	3400	6910	692	752	2340
4	191	186	1080	15000	2690	12200	12300	8010	6860	641	832	1750
5	187	189	1940	15100	2510	14600	14000	12200	5140	591	778	1440
6	179	191	1550	13900	2310	13800	14200	13500	4180	576	632	1250
7	174	195	1310	12800	5310	12900	13100	12500	3980	1920	605	1170
8	170	202	980	14300	6940	11800	11600	11200	3270	1390	579	962
9	169	213	3710	14100	5500	10200	10200	9740	2390	4370	552	766
10	166	217	4520	12500	4070	8000	8710	7530	1930	5260	528	593
11	169	221	2680	11300	3560	6100	6430	4850	1760	3130	522	500
12	170	231	2270	9960	3310	4430	7520	3830	1360	6420	548	460
13	175	227	2020	7910	2970	3470	13600	5010	1100	9270	605	1690
14	180	223	1860	5370	2570	3030	20300	3690	964	8660	745	8350
15	188	226	1590	3400	2270	2670	25300	2930	865	5780	724	10100
16	185	231	1190	2510	2080	2370	23600	2480	785	3660	616	9580
17	188	288	959	2100	1900	2120	18900	2090	725	3000	513	7740
18	194	438	871	2530	2550	2000	14800	1770	687	2510	462	6360
19	190	562	816	3010	4020	1870	12000	1530	651	2050	425	4890
20	199	600	752	7660	3330	1770	9420	1360	620	1620	394	3710
21	200	486	808	16800	3410	2100	6260	1230	591	2170	390	6830
22	201	394	1190	27200	4640	2390	3510	1140	1080	2460	502	10200
23	193	353	1250	32300	4020	5640	2800	1140	1700	1780	495	10200
24	184	346	1200	27600	5190	9160	2770	1250	3620	1880	412	8310
25	185	346	1030	21600	8280	8770	2940	1520	5170	1910	414	6600
26	185	348	891	16800	9660	7500	2870	1490	4900	1790	2680	5240
27	186	402	785	13600	9360	7010	2630	1370	3580	1600	2150	3850
28	184	540	699	11500	8780	6290	2400	1490	2610	1490	1110	2850
29	183	610	639	9340	---	5100	2170	4740	1820	1400	855	2090
30	182	608	620	6630	---	3850	2010	5120	1240	1350	860	1580
31	182	---	2180	4240	---	3230	---	6560	---	1130	725	---
TOTAL	5692	9623	42955	374340	119680	198990	284800	138150	84948	82281	23200	126006
MEAN	184	321	1386	12080	4274	6419	9493	4456	2832	2654	748	4200
MAX	201	610	4520	32300	9660	14600	25300	13500	7950	9270	2680	10200
MIN	166	183	486	2100	1900	1770	2010	1140	591	576	390	460
CFSM	.09	.15	.64	5.57	1.97	2.96	4.38	2.05	1.31	1.22	.35	1.94
IN.	.10	.17	.74	6.42	2.05	3.41	4.88	2.37	1.46	1.41	.40	2.16

CAL YR 1978 TOTAL 935744 MEAN 2564 MAX 46000 MIN 159 CFSM 1.18 IN 16.05
WTR YR 1979 TOTAL 1490665 MEAN 4084 MAX 32300 MIN 166 CFSM 1.88 IN 25.57

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.42	4.40	6.54	22.84	14.71	25.01	16.38	10.98	24.07	8.21	8.08	7.00
2	4.41	4.40	6.37	28.95	13.48	24.15	19.20	10.51	21.74	7.55	7.73	16.30
3	4.41	4.41	6.22	31.57	12.82	24.10	25.81	15.03	22.48	7.09	7.34	12.37
4	4.48	4.43	8.33	32.22	13.36	29.39	29.55	23.95	22.43	6.88	7.65	10.75
5	4.44	4.46	11.31	32.33	12.89	31.92	31.40	29.43	19.08	6.67	7.44	9.88
6	4.36	4.48	10.17	31.23	12.37	31.18	31.56	30.88	16.96	6.61	6.84	9.18
7	4.31	4.52	9.36	30.09	19.26	30.17	30.46	29.74	16.50	10.99	6.73	8.89
8	4.27	4.58	8.22	31.66	22.56	28.99	28.72	28.31	14.81	9.57	6.62	8.16
9	4.25	4.68	15.59	31.44	19.83	27.02	27.05	26.42	12.56	17.08	6.51	7.40
10	4.22	4.72	17.70	29.75	16.72	24.12	25.10	23.42	11.28	19.30	6.40	6.68
11	4.25	4.75	13.33	28.34	15.53	21.05	21.61	18.43	10.81	14.44	6.38	6.28
12	4.27	4.83	12.25	26.70	14.90	17.50	23.18	16.12	9.53	21.26	6.49	6.10
13	4.32	4.80	11.53	23.99	14.05	15.29	30.78	18.80	8.63	25.84	6.73	9.79
14	4.37	4.77	11.08	19.53	13.05	14.19	35.20	15.81	8.17	25.02	7.11	24.58
15	4.45	4.79	10.28	15.12	12.27	13.31	36.97	13.96	7.79	20.36	6.89	26.92
16	4.42	4.83	8.94	12.90	11.72	12.52	36.46	12.81	7.48	15.74	6.61	26.23
17	4.45	5.21	8.14	11.78	11.19	11.84	34.62	11.73	7.23	14.12	6.34	23.76
18	4.51	5.99	7.81	12.90	12.87	11.49	32.06	10.83	7.07	12.88	6.11	21.54
19	4.47	6.55	7.60	14.15	16.60	11.12	29.20	10.10	6.92	11.63	5.93	18.54
20	4.55	6.71	7.34	23.03	14.96	10.82	26.02	9.52	6.79	10.38	5.79	15.89
21	4.56	6.22	7.56	33.18	15.15	12.76	21.23	9.11	6.67	11.92	5.77	22.03
22	4.57	5.79	8.98	37.12	17.97	11.61	15.36	8.79	8.45	12.92	6.29	27.02
23	4.50	5.68	9.18	37.84	16.61	19.64	13.63	8.79	10.61	10.87	6.25	27.03
24	4.40	5.54	8.99	37.24	19.17	25.70	13.54	9.18	15.59	11.13	5.88	24.56
25	4.42	5.54	8.41	35.78	24.50	25.20	13.98	10.07	19.16	11.23	5.89	21.97
26	4.42	5.55	7.89	33.45	26.33	23.43	13.80	9.95	18.54	10.89	12.95	19.30
27	4.43	5.82	7.47	30.95	25.94	22.68	13.19	9.57	15.56	10.33	11.85	16.20
28	4.41	6.46	7.12	28.62	25.22	21.43	12.62	9.96	13.14	9.95	8.67	13.76
29	4.40	6.75	6.87	25.91	---	19.00	11.98	18.11	10.97	9.66	7.75	11.75
30	4.35	6.74	6.79	21.94	---	16.21	11.51	19.03	9.14	9.51	7.77	10.24
31	4.39	---	11.57	17.07	---	14.69	---	21.78	---	8.75	7.23	---
MEAN	4.40	5.28	9.32	26.76	16.64	20.24	23.74	16.17	13.01	12.53	7.16	15.67
MAX	4.57	6.75	17.70	37.84	26.33	31.92	36.97	30.88	24.07	25.84	12.95	27.03
MIN	4.22	4.40	6.22	11.78	11.19	10.82	11.51	8.79	6.67	6.61	5.77	6.10
WTR YR 1979 MEAN 14.22 MAX 37.84 MIN 4.22												

MOBILE RIVER BASIN

02437500 TOMBIGBEE RIVER AT ABERDEEN, MS--Continued

WATER-QUALITY RECORDS

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	STREAM- FLOW, INSTANTANEOUS (CFS)	SPE- CIFIC CON- DUCTANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE, WATER (DEG C)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	OXYGEN DEMAND, RHO- CHEM- ICAL 30 DAY (MG/L)	BICAR- BONATE (MG/L AS HCO3)	CAR- BONATE (MG/L AS CO3)
OCT											
02...	1400	182	148	7.5	23.0	15	9.6	4.4	9.1	52	0
NOV											
06...	1500	191	135	7.4	16.5	15	10.3	4.6	--	46	0
FEB											
12...	1330	3290	95	7.0	4.5	43	12.3	1.8	--	29	0
MAR											
05...	1240	14800	120	7.3	12.0	75	9.4	2.6	--	50	0
JUN											
04...	1430	6830	130	6.7	24.0	95	6.7	2.3	--	48	0
AUG											
07...	1130	692	155	7.2	29.0	20	7.8	3.0	--	58	0
SEP											
04...	1515	2010	145	7.4	27.0	150	7.3	2.6	--	70	0

DATE	ALKA- LITY (MG/L AS CAU3)	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)	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)	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, DTS- SOLVED (MG/L AS P)
OCT										
02...	43	2.6	.01	.03	.79	.82	.83	3.7	.090	.070
NOV										
06...	38	2.9	.21	.10	.34	.44	.65	2.9	.130	.030
FEB										
12...	24	4.6	.32	.06	.25	.31	.63	2.8	.100	.030
MAR										
05...	41	4.0	.19	.12	.98	1.1	1.3	5.7	.240	.060
JUN										
04...	39	15	.27	.07	.53	.60	.87	3.9	.240	.040
AUG										
07...	48	5.9	.01	.05	.58	.63	.64	2.8	.170	.030
SEP										
04...	57	4.5	.34	.03	1.3	1.3	1.6	7.3	.340	.050

MOBILE RIVER BASIN

63

02437560 NICHOLS CREEK NEAR ABERDEEN, MS

LOCATION.--Lat 33°48'53", long 88°29'20", in SW¼ sec.25, T.14 S., R.19 W., Huntsville Meridian, Monroe County, Hydrologic Unit 03160101, at downstream side of bridge on U.S. Highway 45, 0.1 mi (0.2 km) northwest of intersection of U.S. Highway 45 and State Highways 8/25, and 3.1 mi (5.0 km) southeast of Aberdeen.

DRAINAGE AREA.--24.1 mi² (62.4 km²).

PERIOD OF RECORD.--Water years 1977 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE, WATER (DEG C)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	BICAR- BONATE (MG/L AS HCO ₃)	CAR- BONATE (MG/L AS CO ₃)
CCT										
02...	1300	4.4	46	7.0	19.5	6.0	8.0	2.3	15	0
NOV										
06...	1400	3.5	46	6.2	14.0	5.0	8.3	3.2	17	0
FEB										
12...	1245	25	36	6.5	5.0	7.0	12.0	2.0	8	0
AUG										
06...	1330	8.0	44	6.4	25.0	10	7.2	3.1	11	0
SEP										
04...	1400	9.4	46	6.6	24.0	10	7.2	1.9	10	0

DATE	ALKA- LITY (MG/L AS CaCO ₃)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO ₂)	NITRO- GEN, NO ₂ +NO ₃ TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO ₃)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)
CCT										
02...	12	2.4	.10	.01	.14	.15	.25	1.1	.040	.040
NOV										
06...	14	17	.00	.02	.11	.13	.13	.58	.020	.010
FEB										
12...	7	4.0	.09	.02	.13	.15	.24	1.1	.020	.010
AUG										
06...	9	7.0	.17	.05	.33	.38	.55	2.4	.040	.010
SEP										
04...	8	4.0	.08	.06	.50	.56	.64	2.8	.030	.030

MOBILE RIVER BASIN

02437600 JAMES CREEK AT ABERDEEN, MS

LOCATION.--Lat 33°48'48", long 88°33'59", in SE¼ sec.33, T.14 S., R.7 E., Chickasaw Meridian, Monroe County, Hydrologic Unit 03160101, at downstream side of bridge on State Highway 25, 0.8 mi (1.3 km) southwest of Aberdeen, and 1.5 mi (2.4 km) southwest of intersection of State Highway 25 and State Highway 8/U.S. Highway 45.

DRAINAGE AREA.--28.4 mi² (73.6 km²).

Period of Record.--Water years 1963, 1977 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	STREAM- FLOW, INSTANTANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE, WATER (DEG C)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, BIOCHEM 5 DAY (MG/L)	BICAR- BONATE AS HCO3)	CAR- BONATE AS CO3)
OCT										
02...	1420	.00	--	--	--	--	--	--	--	--
NOV										
06...	1515	.00	--	--	--	--	--	--	--	--
FEB										
12...	1400	6.4	350	7.5	7.0	15	12.4	1.2	130	0
AUG										
07...	1045	.32	467	7.4	28.5	3.0	7.1	2.4	190	0
SEP										
04...	1600	4.5	240	7.2	32.5	15	7.7	2.0	110	0

DATE	ALKA- LITY (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)	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)	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)
OCT										
02...	--	--	--	--	--	--	--	--	--	--
NOV										
06...	--	--	--	--	--	--	--	--	--	--
FEB										
12...	110	6.6	2.2	.02	.38	.40	2.6	12	.070	.050
AUG										
07...	160	12	.01	.07	1.1	1.2	1.2	5.4	.060	.040
SEP										
04...	90	11	.13	.04	.83	.87	1.0	4.4	.150	.090

MOBILE RIVER BASIN

65

02439400 BUTTAHATCHEE RIVER NEAR ABERDEEN, MS

LOCATION.--Lat 33°47'24", long 88°18'53", in NW¼ sec.3, T.15 S., R.17 W., Huntsville Meridian, Monroe County, Hydrologic Unit 03160103, near right bank on downstream side of bridge on county highway, 10 mi (16 km) downstream from Sipsey Creek, and 13 mi (21 km) southeast of Aberdeen.

DRAINAGE AREA.--787 mi² (2,038 km²).

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

GAGE.--Water-stage recorder. Datum of gage is 220.77 ft (67.291 m) Mississippi State Highway Department datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--13 years, 1,464 ft³/s (41.46 m³/s), 25.26 in/yr (642 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 80,000 ft³/s (2,270 m³/s) Mar. 17, 1973, gage height, 23.48 ft (7.157 m), observed at crest; minimum, 117 ft³/s (3.31 m³/s) Sept. 16, 1972, gage height, 4.26 ft (1.298 m).

EXTREMES OUTSIDE THE PERIOD OF RECORD.--Floods in 1892 and 1893 reached stages of 21 ft (6.4 m), and floods Feb. 4, 1951, and Mar. 30, 1951, reached stages of 19.46 ft (5.931 m) and 19.56 ft (5.962 m), respectively, from information by local residents; flood of April 12, 1962, reached a stage of 19.01 ft (5.794 m), from floodmark; all at present datum.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 6,000 ft³/s (170 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)	Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)				
Jan. 3	2100	10400	295	15.91	4.849	Mar. 5	1900	14600	413	17.06	5.200
Jan. 10	1200	6330	179	14.34	4.371	Apr. 5	0400	7020	199	14.65	4.465
Jan. 22	1800	13300	377	16.75	5.105	Apr. 14	1400	*17900	507	17.74	5.407
Feb. 27	1100	9500	269	15.62	4.761						

Minimum discharge, 187 ft³/s (5.30 m³/s) Oct. 9, 10; gage height, 4.76 ft (1.451 m).

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	230	209	492	2270	1470	4330	1540	1090	1700	273	387	358
2	244	213	466	3160	1320	3040	2380	1020	1370	267	375	335
3	286	215	389	7610	1240	3380	3600	1150	1160	261	404	394
4	263	213	422	9000	1280	6180	5890	1830	1240	254	397	584
5	228	215	854	5410	1310	12200	6630	2810	997	246	353	484
6	211	217	1020	2900	1210	10300	5410	3740	844	244	328	397
7	198	230	695	2160	1450	6720	4130	3580	758	250	312	342
8	192	275	564	2530	1980	4450	3060	2570	704	365	297	310
9	187	333	844	3620	2120	3250	2580	1780	643	742	288	284
10	187	319	1620	5890	1770	2670	2600	1440	581	1400	321	265
11	194	282	1980	4260	1480	2470	2730	1270	539	1230	328	254*
12	192	259	1520	2460	1330	2530	5090	1270	542	968	346	246
13	196	252	891	1770	1250	2490	10900	1670	514	1380	387	547
14	230	250	704	1560	1170	2130	17000	1640	460	1180	372	1580
15	399	252	610	1390	1110	1790	12700	1230	427	778	314	2370
16	349	252	564	1190	1060	1570	7910	1000	404	593	284	3080
17	265	267	587	1090	1010	1410	5490	878	385	508	267	2400
18	234	344	643	1070	1060	1320	3850	788	365	455	254	1070
19	221	587	587	1460	1450	1260	2960	739	353	417	244	902
20	215	506	539	2620	1700	1200	2430	701	342	380	240	807
21	213	375	602	5610	1560	1170	2030	667	326	377	236	1000
22	211	328	919	11900	1710	1230	1770	640	314	742	234	1730
23	209	310	993	11000	1910	1770	1630	613	321	1470	252	2360
24	205	330	797	7560	2060	2550	1750	661	335	965	288	3020
25	205	353	701	5140	3320	3390	1860	817	333	720	328	2470
26	205	335	661	3740	5610	3690	1910	708	328	640	804	1070
27	207	310	593	3080	8890	2550	1740	602	321	613	1060	834
28	211	314	539	2560	6740	1790	1520	610	310	570	837	733
29	215	356	506	2220	---	1520	1330	1150	297	530	556	683
30	211	389	500	1840	---	1360	1170	1180	284	473	452	628
31	209	---	704	1600	---	1250	---	1330	---	427	409	---
TOTAL	7022	9090	23506	119670	59570	96960	125590	41174	17497	19718	11954	31537
MEAN	227	303	758	3860	2128	3128	4186	1328	583	636	386	1051
MAX	399	587	1980	11900	8890	12200	17000	3740	1700	1470	1060	3080
MIN	187	209	389	1070	1010	1170	1170	602	284	244	234	246
CFSM	.29	.39	.96	4.91	2.70	3.98	5.32	1.69	.74	.81	.49	1.34
IN.	.33	.43	1.11	5.66	2.82	4.58	5.94	1.95	.83	.93	.57	1.49
CAL YR 1978	TOTAL	348370	MEAN	954	MAX	16000	MIN	157	CFSM	1.21	IN	16.47
WTR YR 1979	TOTAL	563288	MEAN	1543	MAX	17000	MIN	187	CFSM	1.96	IN	26.63

MOBILE RIVER BASIN

02439600 BUTTAHATCHEE RIVER NEAR KOLOLA SPRINGS, MS

LOCATION.--Lat 33°40'24", long 88°25'45", in SW¼ sec.16, T.16 S., R.18 W., Huntsville Meridian, Lowndes County, Hydrologic Unit 03160103, at downstream side of bridge on U.S. Highway 45, 1.8 mi (2.9 km) northwest of Kolola Springs, and at mile 8.6 (13.8 km).

DRAINAGE AREA.--843 mi² (2183 km²).

PERIOD OF RECORD.--Water years 1963-64, 1977 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE, WATER (DEG C)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	BICAR- BONATE (MG/L AS HCO ₃)	CAR- BONATE (MG/L AS CO ₃)
OCT 03...	0750	324	35	6.9	20.0	15	8.5	2.0	10	0
NOV 07...	1115	264	28	6.8	15.0	11	9.6	2.0	12	0
FEB 13...	1010	1230	29	6.5	4.5	8.0	12.7	1.4	9	0
AUG 06...	1620	421	34	6.3	29.0	9.0	7.3	2.2	7	0
SEP 04...	1800	630	36	6.3	26.5	30	7.5	1.6	8	0

DATE	ALKA- LINTY (MG/L AS CACO ₃)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO ₂)	NITRO- GEN, NO ₂ +NO ₃ TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO ₃)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)
OCT 03...	8	2.0	.17	.01	.34	.35	.52	2.3	.030	.010
NOV 07...	10	3.0	.03	.05	.25	.30	.33	1.5	.020	.000
FEB 13...	7	4.6	.31	.02	.10	.12	.43	1.9	.010	.010
AUG 06...	6	5.6	.22	.12	.78	.90	1.1	5.0	.020	.020
SEP 04...	7	6.4	.24	.00	.23	.23	.47	2.1	.040	.010

02441000 TIBBEE CREEK NEAR TIBBEE, MS

LOCATION.--Lat 33°32'17", long 88°38'00", in SW¼ sec.4, T.19 N., R.16 E., Choctaw Meridian, Clay County, Hydrologic Unit 03160104, on right bank 10 ft (3 m) downstream from bridge on old State Highway 25, 560 ft (170 m) upstream from Gulf, Mobile and Ohio Railroad bridge, 0.7 mi (1.1 km) north of Tibbee, 4.5 mi (7.2 km) upstream from Magee Creek, 5 mi (8 km) south of West Point, and 9.8 mi (15.8 km) upstream from Catalpa Creek.

DRAINAGE AREA.--928 mi² (2,404 km²).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--August 1928 to September 1930, October 1939 to current year. Monthly discharge only for September 1930 and October 1939, published in WSP 1034. Prior to October 1950, published as Tibbee River near Tibbee.

REVISED RECORDS.--WSP 1504: 1929-30.

GAGE.--Water-stage recorder. Datum of gage is 154.07 ft (46.961 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Aug. 7, 1928, to Aug. 31, 1930, nonrecording gage at site 560 ft (170 m) downstream at present datum. Nov. 5 to Dec. 6, 1939, nonrecording gage at present site and datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--42 years, 1,315 ft³/s (37.24 m³/s), 19.24 in/yr (489 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 81,600 ft³/s (2,310 m³/s) Mar. 17, 1973, gage height, 32.26 ft (9.833 m); no flow at times many years.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in December 1926 reached a stage of 31.5 ft (9.60 m), from information by local residents.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 10,000 ft³/s (283 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)	Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
Jan. 22	0330	28400 804	27.05 8.245	Apr. 13	1800	*32100 909	27.51 8.385
Mar. 5	0030	14600 413	24.68 7.522	Sept. 23	0115	13000 368	24.26 7.394

Minimum discharge, 9.3 ft³/s (0.26 m³/s) Oct. 10, 11, 12, gage height, 1.33 ft (0.405 m).

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11	10	52	3750	669	3680	674	274	5380	36	324	89
2	11	13	74	5690	537	3550	1520	237	5300	33	213	1200
3	11	14	73	6410	488	4020	3470	364	4560	29	171	2160
4	11	14	72	6730	593	10100	5620	1290	2970	25	145	1960
5	10	13	142	5980	610	12900	6890	2710	2240	22	125	841
6	10	12	227	4070	620	9540	6460	5400	1570	23	112	360
7	9.7	13	208	2190	1990	6730	4960	7460	946	1420	94	229
8	9.7	12	165	2570	3080	4480	2410	6380	669	1600	87	164
9	9.7	11	330	2960	3460	1690	1850	4000	495	4250	307	145
10	9.3	11	603	3740	3120	793	2680	916	470	5800	407	133
11	9.3	10	539	3830	1380	1410	3120	523	719	5110	178	112
12	9.3	13	411	1960	684	1660	7490	884	378	4670	125	97
13	10	13	276	671	571	1220	27600	1750	227	7880	103	1410
14	11	11	200	573	497	796	23700	1100	174	8970	78	4020
15	11	11	154	479	452	620	11900	603	134	8930	57	4890
16	10	11	125	386	420	507	7830	411	111	6620	60	4890
17	10	17	106	338	378	428	5560	309	93	3730	59	4860
18	10	13	99	346	1170	384	3520	246	82	651	51	5400
19	9.7	19	91	455	2890	360	1610	206	71	703	48	5200
20	10	38	85	4390	3300	334	698	178	62	829	40	4040
21	11	44	85	19400	2830	326	523	159	53	1100	36	5090
22	10	40	94	27100	2530	346	144	142	46	1300	33	9740
23	10	49	112	18700	2670	2020	424	128	42	1290	108	11900
24	12	45	119	10900	3170	5020	470	128	120	787	144	9190
25	12	39	110	7060	6620	6160	630	136	62	382	87	6600
26	11	37	97	5280	8520	5270	762	144	44	376	970	3670
27	13	42	85	4150	6780	2510	698	126	52	824	1180	648
28	13	39	77	3130	4960	625	528	112	46	407	399	433
29	13	50	71	1980	---	481	407	1060	42	326	221	358
30	12	57	64	1060	---	450	328	3130	39	551	171	303
31	9.7	---	254	790	---	415	---	4720	---	588	124	---
TOTAL	329.4	721	5200	157068	64989	88825	134976	45226	27197	69262	6257	90132
MEAN	10.6	24.0	168	5067	2321	2865	4499	1459	907	2234	202	3004
MAX	13	57	603	27100	8520	12900	27600	7460	5380	8970	1180	11900
MIN	9.3	10	52	338	378	326	328	112	39	22	33	89
CFSM	.01	.03	.18	5.46	2.50	3.09	4.85	1.57	.98	2.41	.22	3.24
IN.	.01	.03	.21	6.30	2.61	3.56	5.41	1.81	1.09	2.78	.25	3.61

CAL YR 1978	TOTAL	335145.5	MEAN	918	MAX	30100	MIN	2.3	CFSM	.99	IN	13.43
WTR YR 1979	TOTAL	690182.4	MEAN	1891	MAX	27600	MIN	9.3	CFSM	2.04	IN	27.67

MOBILE RIVER BASIN

02441000 TIBBEE CREEK NEAR TIBBEE, MS--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1974-75, 1977 to November 1979 (discontinued).

WATER QUALITY DATA

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHCS)	PH (UNITS)	TEMPER- ATURE, WATER (DEG C)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, BIOCHEM 5 DAY (MG/L)	HICAR- BONATE (MG/L AS HCO3)	CAR- BONATE (MG/L AS CO3)	ALKA- LINITY (MG/L AS CACN3)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2)
OCT , 1978												
02...	1530	11	300	7.6	23.0	15	8.3	3.6	110	0	90	4.4
18...	1430	11	240	7.8	14.0	9.0	7.8	1.8	110	0	90	2.8
NOV												
06...	1615	12	240	7.2	16.0	5.0	7.4	2.8	120	0	98	12
FEB , 1979												
12...	1545	653	190	7.1	4.5	40	11.6	1.6	63	0	52	8.0
MAR												
05...	1430	12300	95	7.0	12.0	85	9.4	2.4	39	0	32	6.2
JUN												
04...	1535	2690	165	6.8	24.5	100	6.5	2.0	70	0	57	18
AUG												
07...	1000	94	240	7.3	28.5	50	6.3	2.9	98	0	80	7.9
SEP												
05...	1230	738	160	6.7	26.0	45	6.2	2.0	70	0	57	22
OCT												
01...	1500	226	220	7.1	23.0	5.0	7.0	1.8	--	--	105	--
NOV												
14...	1330	2960	166	6.4	9.5	25	9.3	2.8	--	--	58	--

DATE	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	LEAD, TOTAL RECOV- ERABLE (UG/L AS Pb)	MERCURY TOTAL RECOV- ERABLE (UG/L AS Hg)
OCT , 1978												
02...	.05	.04	.47	.51	.56	2.5	.080	.030	--	--	--	--
18...	.10	.06	.49	.55	.65	2.9	.080	.040	6	<10	54	<.5
NOV												
06...	.01	.07	.33	.40	.41	1.8	.050	.020	--	--	--	--
FEB , 1979												
12...	.31	.03	.35	.38	.69	3.1	.100	.040	--	--	--	--
MAR												
05...	.09	.05	.52	.57	.66	2.9	.140	.040	2	20	5	<.5
JUN												
04...	.24	.09	.77	.86	1.1	4.9	.230	.030	0	30	6	<.5
AUG												
07...	.16	.10	.41	.51	.67	3.0	.130	.030	2	<10	15	<.5
SEP												
05...	.10	.10	.71	.81	.91	4.0	.150	.050	0	20	8	<.5
OCT												
01...	.31	.08	.20	.28	.59	2.6	.350	.290	2	30	2	<.5
NOV												
14...	.15	.05	.71	.76	.91	4.0	.150	.090	1	9	8	.3

PESTICIDE ANALYSES

DATE	PCB, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDD, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- AZINON, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- ELDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ETHION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)
OCT , 1978												
18...	0	.0	0	.5	1.2	.0	.0	.0	.0	.0	.0	.0
OCT , 1978												
18...	.0	.0	.0	.0	.0	.0	.0	0	.0	0	0	.0

02441320 CATALPA CREEK NEAR TIBBEE, MS

LOCATION.--Lat 33°31'11", long 88°34'25", in NE¼ sec.13, T.19 N., R.16 E., Choctaw Meridian, Clay County, Hydrologic Unit 03160104, on downstream side of bridge on county road 7.7 mi (12.4 km) southeast of West Point and 4.9 mi (7.9 km) east of Tibbee.

DRAINAGE AREA.--118 mi² (306 km²).

PERIOD OF RECORD.--October 1978 to November 1979 (discontinued).

WATER QUALITY DATA

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE, WATER (DEG C)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	BICAR- BONATE (MG/L AS HCO3)	CAR- BONATE (MG/L AS CO3)	ALKA- LITY (MG/L AS CACO3)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2)
OCT , 1978												
19...	1000	1.2	500	8.0	10.0	27	8.6	4.5	220	0	180	3.5
NOV												
07...	0815	1.6	450	7.4	16.0	2.0	6.6	4.8	230	0	190	15
FEB , 1979												
12...	1715	50	410	7.4	7.0	16	11.7	3.2	200	0	160	13
JUN												
05...	1000	9.6	500	7.4	22.0	20	7.5	2.9	230	0	189	15
JUL												
02...	1500	2.0	400	7.7	27.0	5.0	9.0	1.5	210	0	170	6.7
AUG												
07...	0830	5.9	500	7.3	25.0	3.0	7.1	3.2	250	0	210	20
SEP												
05...	1115	9.1	260	6.9	25.0	40	7.1	2.9	120	0	98	24
OCT												
01...	1545	21	500	7.6	22.5	25	8.3	3.0	--	--	81	--
NOV												
14...	1400	E60	445	7.0	9.0	7.0	10.1	2.8	--	--	180	--

DATE	NITRO- GEN, NO2+NO3 (MG/L AS N)	NITRO- GEN, AMMONIA (MG/L AS N)	NITRO- GEN, ORGANIC (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)
OCT , 1978												
19...	.62	.08	1.1	1.2	1.8	8.1	.690	.620	2	10	29	<.5
NOV												
07...	.02	.11	.64	.75	.77	3.4	.650	.590	4	<10	11	<.5
FEB , 1979												
12...	.56	.07	.58	.65	1.2	5.4	.190	.120	--	--	--	--
JUN												
05...	.28	.04	.57	.61	.89	3.9	.170	.090	1	20	7	<.5
JUL												
02...	.10	.03	.35	.38	.48	2.1	.140	.110	0	20	5	<.5
AUG												
07...	.16	.07	.38	.45	.61	2.7	.140	.120	2	10	22	<.5
SEP												
05...	.34	.08	.78	.86	1.2	5.3	.230	.140	0	20	4	<.5
OCT												
01...	.06	.04	.11	.15	.21	.93	.100	.040	1	20	4	<.5
NOV												
14...	.54	.08	.61	.69	1.2	5.4	.240	.150	2	20	10	.3

PESTICIDE ANALYSES

DATE	PCP, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDD, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- AZINON, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- ELDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ETHION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)
OCT , 1978												
19...	0	.0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	LINDANE TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	MALA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	METH- OXY- CHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARA- THION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL THI- THION, TOT. IN BOTTOM MATL. (UG/KG)	PAPA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	TOXA- PHENE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	TRI- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	2,4-D, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	2,4,5-T TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	SILVEX, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	
OCT , 1978												
19...	.0	.0	.0	.0	.0	.0	0	.0	0	0	.0	

MOBILE RIVER BASIN

02441400 TOMBIGBEE RIVER NEAR COLUMBUS, MS

LOCATION.--Lat 33°29'40", long 88°27'40", in SW¼ sec.18, T.18 S., R.18 W., Huntsville Meridian, Lowndes County, Hydrologic Unit 03160101, at downstream side of bridge on U.S. Highway 82 By-pass, 1.7 mi (2.7 km) upstream from bridge on U.S. Highway 45E and 82, 1.6 mi (2.6 km) west of Columbus, and at mile 321.7 (517.6 km).

DRAINAGE AREA.--4,470 mi² (11,580 km²), approximately.

PERIOD OF RECORD.--Water years 1974-76, 1978 to current year.

REMARKS.--Stream discharge determined 2.0 mi (3.2 km) downstream (station 02441500). In water years 1958-59, 1961-65, 1967, and 1971-74, equivalent data was collected 2.0 mi (3.2 km) downstream (station 02441500).

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	STREAM- FLOW, INSTAN- TANFOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE, WATER (DEG C)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL 30 DAY (MG/L)	BICAR- BONATE (MG/L AS HCO3)	CAR- BONATE (MG/L AS CO3)
OCT											
02...	1620	440	178	8.0	24.5	10	9.2	3.1	5.7	42	0
NOV											
07...	0915	430	170	7.0	16.0	7.0	8.1	2.6	--	42	0
FEB											
13...	0830	6070	87	6.9	4.0	43	11.9	1.2	--	30	0
MAR											
05...	1545	38300	95	7.1	13.5	60	9.0	3.0	--	47	0
JUN											
05...	0900	10500	130	6.9	24.0	100	6.9	2.2	--	49	0
JUL											
02...	1400	1440	165	7.0	27.0	30	8.3	2.3	--	59	0
AUG											
06...	1745	1450	160	7.5	29.5	20	8.7	2.6	--	51	0
SEP											
05...	1000	4120	140	7.6	26.0	55	7.0	2.3	--	52	0

DATE	ALKA- LITY (MG/L AS CAO3)	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)	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)	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)
OCT										
02...	34	.7	.09	.02	.40	.42	.51	2.3	.120	.070
NOV										
07...	34	6.7	.05	.13	.21	.34	.39	1.7	.120	.080
FEB										
13...	25	6.0	.34	.06	.43	.49	.83	3.7	.120	.050
MAR										
05...	39	6.0	.15	.12	.87	.99	1.1	5.0	.190	.050
JUN										
05...	40	9.9	.30	.07	.50	.57	.87	3.9	.250	.040
JUL										
02...	48	9.4	.21	.10	.61	.71	.92	4.1	.220	.120
AUG										
06...	42	2.6	.08	.11	.35	.46	.54	2.4	.140	.060
SEP										
05...	43	2.1	.24	.04	.73	.77	1.0	4.5	.150	.060

02441500 TOMBIGBEE RIVER AT COLUMBUS, MS

LOCATION.--Lat 33°29'21", long 88°25'57", in NW¼ sec.20, T.18 S., R.18 W., Huntsville Meridian, Lowndes County, Hydrologic Unit 03160101, on left bank at Columbus, 1,200 ft (370 m) downstream from bridge on U.S. Highway 45E and 82, 1,800 ft (550 m) upstream from Gulf, Mobile, and Ohio Railroad bridge, 2.3 mi (3.7 km) upstream from Luxapallila Creek, 6.7 mi (10.8 km) downstream from Tibbee Creek, and at mile 319.7 (514.4 km).

DRAINAGE AREA.--4,490 mi² (11,630 km²), approximately.

PERIOD OF RECORD.--October 1899 to December 1912, August 1928 to current year. Monthly discharge only for some periods, published in WSP 1304. Daily mean gage heights published since January 1972. Gage-height records collected in this vicinity, 1890 to 1971, are contained in reports of National Weather Service.

REVISED RECORDS.--WSP 662: Drainage area, WSP 727: 1928-29. WSP 802: 1929(M). WSP 1504: 1900-03, 1950.

GAGE.--Water-stage recorder. Datum of gage is 128.91 ft (39.292 m) National Geodetic Vertical Datum of 1929. Prior to Nov. 7, 1934, nonrecording gage at various sites within 0.2 mi (0.3 km) of present site, at datum 4.00 ft (1.219 m) higher prior to Mar. 13, 1934, and at present datum thereafter. Mar. 3, 1941, to Sept. 30, 1968, auxiliary nonrecording gage at site 3.7 mi (6.0 km) upstream at different datum. Oct. 1, 1968, to Sept. 30, 1971, auxiliary nonrecording gage 2.1 mi (3.4 km) upstream from base gage at datum 128.82 ft (39.264 m) NGVD.

REMARKS.--Records good.

AVERAGE DISCHARGE.--64 years, 6,499 ft³/s (184.1 m³/s), 19.66 in/yr (499 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 194,000 ft³/s (5,490 m³/s) Mar. 19, 1973, gage height, 42.22 ft (12.869 m); minimum, 138 ft³/s (3.91 m³/s) Sept. 20, 1954; minimum gage height observed, -0.1 ft (-0.030 m) Oct. 9-12, 1911, present datum.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Apr. 8, 1892, the greatest since at least 1867, reached an elevation of 173.0 ft (52.73 m) NGVD at site 1,100 ft (335 m) upstream (corresponding stage at gage about 44 ft or 13.4 m), discharge 278,000 ft³/s (7,870 m³/s) estimated by Corps of Engineers.

EXTREMES FOR CURRENT YEAR.--Maximum discharge 80,400 ft³/s (2,280 m³/s) Apr. 14, gage height 35.33 ft (10.769 m); minimum daily discharge, 307 ft³/s (8.69 m³/s) Nov. 3.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	520	320	1130	12200	7260	23200	5620	4030	15700	1550	2300	1600
2	440	312	1130	19100	5920	19800	8120	3640	16400	1270	1910	3800
3	470	307	1130	21900	5230	21600	14100	4060	14900	1090	1790	6200
4	460	312	1240	24200	5110	31000	19500	7680	13200	1010	1680	4890
5	430	316	2580	26000	5140	36200	22800	12800	10800	934	1760	4270
6	400	321	2870	26200	4960	38400	24700	16900	8110	892	1560	3150
7	390	365	2920	24400	7950	37800	24900	20800	6790	1950	1360	2580
8	380	369	2420	22400	11300	33400	22200	22500	5730	4450	1330	2220
9	370	409	4020	21000	12000	26200	18800	20600	4640	13000	1370	1810
10	360	470	7100	20600	10500	18900	16500	15000	3770	18500	1590	1510
11	370	510	6420	20300	8250	14600	14500	10100	3660	15700	1370	1260
12	380	490	5180	19300	6380	11400	25400	8410	3160	16100	1280	1110
13	380	475	4430	15600	5550	8900	56900	11000	2400	17300	1270	3950
14	430	450	3660	11700	4950	7420	78100	11000	2040	20100	1340	17100
15	600	445	3080	7770	4480	6420	73100	7770	1190	21300	1410	19500
16	550	450	2560	5480	4100	5550	64100	5790	1600	16900	1280	18500
17	470	545	2040	4490	3800	4870	57000	4630	1440	11200	1150	17600
18	440	655	1830	4080	5100	4410	47800	3850	1320	5700	1060	21400
19	420	892	1770	4830	8630	4060	37800	3290	1240	4530	1020	19500
20	400	1160	1680	16800	8750	3820	27400	2930	1150	4140	994	14500
21	440	1200	1700	32900	8490	3800	18300	2610	1080	4060	1060	17900
22	400	958	1980	42800	9230	4270	11000	2400	1010	5180	1500	21100
23	360	808	2420	51500	9760	9440	6930	2330	2020	5160	1320	23700
24	350	727	2640	54600	12100	16500	6080	2260	2970	4930	1210	23900
25	355	705	2350	52700	22100	18100	6180	2650	5010	4180	1080	21100
26	360	733	2020	47500	25800	17900	6590	2800	5710	3790	3420	16300
27	380	789	1790	40800	26300	15400	6360	2700	4990	3220	5640	9280
28	410	766	1600	31700	24700	11600	5740	2440	3890	3300	3910	5550
29	380	970	1430	23600	---	9120	5080	6850	2980	2830	2680	4270
30	360	1050	1360	16500	---	7050	4510	11800	2090	2940	2130	3450
31	340	---	2080	10800	---	5730	---	13300	---	2890	1820	---
TOTAL	12795	18309	80560	733750	273840	476860	736110	248920	151590	220796	54594	313000
MEAN	413	610	2599	23670	9780	15380	24540	8030	5053	7122	1761	10430
MAX	600	1200	7100	54600	26300	38400	78100	22500	16400	21300	5640	23900
MIN	340	307	1130	4080	3800	3800	4510	2260	1010	892	994	1110
CFSM	.09	.14	.58	5.27	2.18	3.43	5.47	1.79	1.23	1.59	.39	2.32
IN.	.11	.15	.67	6.28	2.27	3.95	6.10	2.06	1.16	1.83	.45	2.59

CAL YR 1978 TOTAL 1841062 MEAN 5044 MAX 66300 MIN 307 CFSM 1.12 IN 15.25
 YR 1979 TOTAL 3321124 MEAN 9099 MAX 78100 MIN 307 CFSM 2.03 IN 27.52

MOBILE RIVER BASIN

02441500 TOMBIGBEE RIVER AT COLUMBUS, MS--Continued

GAGE HEIGHT (FEET ABOVE DATUM), VALE YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	2.48	12.12	9.01	19.82	7.57	5.75	10.66	3.06	3.66	2.85	
2	---	2.48	16.78	7.84	17.87	9.72	5.36	15.13	2.68	3.21	5.27	
3	---	2.49	18.41	7.20	18.88	14.18	5.77	10.15	2.43	3.06	7.75	
4	1.00	2.63	19.69	7.09	24.00	17.70	8.40	13.01	2.30	2.92	6.53	
5	1.01	4.23	20.62	7.12	26.06	19.62	12.68	11.30	2.19	3.02	5.88	
6	1.02	4.58	20.73	6.95	26.83	20.70	15.42	9.24	2.12	2.77	4.66	
7	1.12	4.62	19.80	9.56	26.62	20.78	17.75	8.22	3.46	2.52	4.00	
8	1.13	4.08	18.67	12.20	24.96	19.29	18.71	7.36	6.17	2.47	3.57	
9	1.22	5.69	17.90	12.72	21.50	17.27	17.66	6.35	12.72	2.53	3.00	
10	1.35	8.06	17.62	11.57	17.31	15.77	14.15	5.49	16.39	2.81	2.71	
11	1.43	7.92	17.49	9.83	14.51	14.45	10.74	5.38	14.63	2.53	2.37	
12	1.39	6.86	16.89	8.24	12.27	20.64	9.47	4.88	14.91	2.40	2.16	
13	1.36	6.14	14.61	7.50	10.35	32.04	11.40	4.05	15.66	2.38	5.10	
14	1.31	5.38	11.92	6.94	9.15	35.15	11.45	3.66	17.38	2.51	15.55	
15	1.30	4.80	8.98	6.48	8.29	34.61	8.98	3.36	18.07	2.59	17.00	
16	1.31	4.23	7.13	6.09	7.50	33.41	7.41	3.12	15.38	2.40	16.40	
17	1.50	3.65	6.21	5.79	6.86	31.83	6.34	2.92	11.54	2.22	15.84	
18	1.71	3.41	5.80	7.04	6.40	29.47	5.57	2.75	7.27	2.08	18.11	
19	2.12	3.34	6.55	10.14	6.06	26.02	5.01	2.64	6.17	2.03	16.99	
20	2.53	3.23	10.96	10.24	5.81	21.29	4.63	2.51	5.74	2.02	13.84	
21	2.59	3.25	23.94	10.03	5.70	16.27	4.29	2.41	5.66	2.07	16.00	
22	2.23	3.59	27.90	10.62	6.27	11.37	4.05	2.32	6.82	2.69	17.92	
23	1.98	4.08	30.50	11.03	10.61	8.33	3.98	3.60	6.81	2.46	19.37	
24	1.84	4.32	31.28	12.76	15.75	7.65	3.90	4.66	6.59	2.30	19.52	
25	1.80	4.00	30.79	19.18	16.84	7.73	4.33	6.69	5.79	2.11	17.94	
26	1.85	3.63	29.40	21.74	16.71	8.07	4.50	7.34	5.37	4.87	15.05	
27	1.88	3.36	27.25	21.59	15.01	7.88	4.59	6.68	5.50	7.27	10.12	
28	1.96	3.12	24.21	20.70	12.40	7.37	4.10	5.61	4.82	5.51	7.19	
29	2.25	2.91	20.08	---	10.53	6.77	8.04	4.69	4.30	4.16	5.99	
30	2.43	2.81	15.75	---	8.83	6.23	11.99	3.71	4.45	3.50	5.17	
31	---	3.68	11.80	---	7.66	---	13.05	---	4.41	3.13	---	
MEAN	---	4.18	18.25	10.61	14.11	17.64	8.70	6.26	7.77	2.97	10.13	
MAX	---	8.06	31.28	21.74	26.83	35.15	18.71	15.13	18.07	7.27	19.52	
MIN	---	2.48	5.80	5.79	5.79	6.23	3.90	2.32	2.12	2.02	2.16	

02443500 LUXAPALLILA CREEK NEAR COLUMBUS, MS

LOCATION.--Lat 33°30'50", long 88°23'44", in NW¼SW¼ sec.11, T.18 S., R.18 W., Huntsville Meridian, Lowndes County, Hydrologic Unit 03160105, on right bank at Columbus Water Works pumping plant, 175 ft (53 m) upstream from bridge on county highway (formerly State Highway 50), 0.6 mi (1.0 km) upstream from Magby Creek, 1.4 mi (2.3 km) upstream from U.S. Highway 82 and 6.2 mi (10.0 km) upstream from mouth.

DRAINAGE AREA.--726 mi² (1,880 km²).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--September 1928 to September 1930, October 1974 to current year.

REVISED RECORDS.--WSP 1304: 1929, 1930 (Monthly values only).

GAGE.--Water-stage recorder. Datum of gage is 142.23 ft (43.352 m) National Geodetic Vertical Datum of 1929. Prior to Nov. 3, 1974, nonrecording gage at same site. September 1928 to September 1930 at undetermined datum, but believed to be same as present datum.

REMARKS.--Records good. About 7 ft³/s (0.2 m³/s) is diverted upstream from station for municipal water supply for city of Columbus.

AVERAGE DISCHARGE.--7 years, 1,261 ft³/s (35.71 m³/s), 23.59 in/yr (599 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 40,400 ft³/s (1,140 m³/s) Apr. 14, 1979, gage height, 32.35 ft (9.860 m); minimum, since October 1974, 67 ft³/s (1.90 m³/s) Sept. 11, 1978, gage height, 7.25 ft (2.210 m).

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since at least 1892, 35.3 ft (10.76 m) April 1892, from information by Corps of Engineers. The flood of January 1949, reached a stage of 32.8 ft (10.00 m) and the flood of December 1961, reached a stage of 31.8 ft (9.69 m), according to information by Corps of Engineers.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 8,000 ft³/s (227 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)	Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
Jan. 22	1100	19100 541	26.43 8.056	Apr. 14	0030	*40400 1140	32.35 9.860
Mar. 5	1100	14600 413	24.33 7.416				

Minimum discharge, 75 ft³/s (2.12 m³/s) Oct. 10, gage height, 7.31 ft (2.124 m).

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	95	105	311	1870	1470	2990	1140	843	3500	180	356	338
2	87	103	336	3830	1320	2600	1370	764	2930	168	313	650
3	85	102	318	5700	1210	3370	2330	764	2190	156	294	778
4	100	103	392	4990	1190	7300	3550	1080	1710	149	309	1040
5	98	103	518	2850	1160	13500	3690	1550	1330	145	292	1120
6	92	107	643	1900	1140	8910	3260	1840	1070	143	259	1020
7	86	125	596	1960	1460	4960	2590	1630	947	170	234	734
8	83	141	515	2620	1850	3390	2090	1370	833	379	221	572
9	83	176	1070	3110	1850	2570	1920	1130	714	2000	215	382
10	78	192	1420	2260	1540	2150	1870	947	609	3660	232	280
11	78	180	2110	1820	1360	2060	1760	815	527	3480	255	243
12	80	168	1410	1510	1200	2110	6120	1530	472	3060	230	211
13	87	158	1110	1290	1070	1970	29500	3520	427	2130	245	1020
14	85	151	932	1160	976	1740	38000	4050	379	2120	275	4030
15	94	147	643	1050	921	1590	26600	2520	331	1900	261	5080
16	166	147	521	932	871	1050	11200	1900	294	1350	224	3870
17	162	178	483	840	822	1320	5630	1340	268	847	192	2580
18	141	257	483	819	1040	1220	3920	1010	250	606	174	3240
19	122	379	480	843	1440	1160	2660	815	232	659	162	3570
20	113	425	452	3620	1640	1110	1910	701	221	744	153	2870
21	108	353	498	12500	1450	1090	1590	624	206	907	162	3000
22	105	278	587	18700	1560	1130	1400	566	194	1260	321	3830
23	105	237	685	14500	1840	1920	1290	521	204	2250	264	5440
24	103	219	653	7470	2430	3050	1270	551	221	1350	211	3690
25	100	221	587	5240	4780	3610	1340	557	268	847	221	2330
26	100	221	518	4190	6520	2760	1520	524	280	695	637	1570
27	100	224	463	3380	6000	2270	1470	475	250	596	791	1140
28	102	219	419	2800	3980	1780	1300	452	226	536	843	914
29	103	234	379	2310	---	1470	1120	791	206	492	631	788
30	105	268	369	1840	---	1300	965	1200	192	495	452	701
31	110	---	524	1650	---	1190	---	2690	---	411	328	---
TOTAL	3164	5921	20425	114574	54110	89040	164375	39070	21481	33885	9157	57040
MEAN	102	191	659	3857	1745	2872	5279	1260	716	1093	315	1901
MAX	166	425	2110	18700	6520	13500	58000	4050	3500	3660	843	5440
MIN	78	102	311	819	822	1090	965	452	192	143	153	211
CFSM	1.14	2.27	2.91	5.31	2.66	3.96	7.55	1.74	2.99	1.51	2.43	2.62
IN	1.16	2.30	1.05	6.13	2.77	4.56	8.42	2.00	1.10	1.74	2.50	2.92

FAL YR 1978 TOTAL 277131 MEAN 759 MAX 15200 MIN 68 CFSM 1.05 IN 14.20
FAL YR 1979 TOTAL 617892 MEAN 1693 MAX 38000 MIN 78 CFSM 2.33 IN 31.66

MOBILE RIVER BASIN

02443500 LUXAPALLILA CREEK NEAR COLUMBUS, MS--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1977 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE, WATER (DEG C)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, BIOCHEM 5 DAY (MG/L)	BICAR- BONATE (MG/L AS HCO3)	CAR- BONATE (MG/L AS CO3)
CCT 02...	1730	87	40	6.9	24.0	10	8.2	2.0	10	0
NOV 07...	0945	120	30	6.8	14.5	7.0	9.7	2.2	13	0
FEB 13...	0915	1090	28	6.7	5.0	9.0	11.8	1.0	7	0
AUG 06...	1710	252	36	6.2	28.0	10	6.8	2.7	1	0
SEP 05...	0915	1060	31	6.4	24.0	25	6.2	2.1	7	0

DATE	ALKA- LINITY (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)	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)	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)
CCT 02...	8	2.0	.09	.00	.22	.22	.31	1.4	.020	.000
NOV 07...	11	3.3	.01	.04	.14	.18	.19	.84	.010	.000
FEB 13...	6	2.2	.13	.00	.06	.06	.19	.84	.010	.010
AUG 06...	1	1.0	.18	.04	.03	.07	.25	1.1	.030	.010
SEP 05...	6	4.5	.07	.07	.33	.40	.47	2.1	.040	.020

02448000 NOXUBEE RIVER AT MACON, MS

LOCATION.--Lat 33°06'08", long 88°33'40", in NE¼ sec.4, T.14 N., R.17 E., Choctaw Meridian, Noxubee County, Hydrologic Unit 03160108, on left bank at downstream side of bridge on U.S. Highway 45 at Macon, 0.2 mi (0.3 km) upstream from Cedar Creek, 1.0 mi (1.6 km) downstream from Gulf, Mobile and Ohio Railroad bridge, 1.5 mi (2.4 km) downstream from Horse Hunters Creek, and 6.2 mi (10.0 km) upstream from Running Water Creek.

DRAINAGE AREA.--812 mi² (2,103 km²).

PERIOD OF RECORD.--August 1928 to September 1932, September 1938 to current year. Monthly discharge only June to September 1932, published in WSP 1304.

REVISED RECORDS.--WSP 1624: 1929-30, 1932. WDR MS-78-1: 1977.

GAGE.--Water-stage recorder. Datum of gage is 142.38 ft (43.397 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to May 31, 1932, nonrecording gage at site 40 ft (12 m) downstream at different datum. Sept. 21, 1938, to Aug. 10, 1939, nonrecording gage at present site and datum.

REMARKS.--Records good. No gage height record Apr. 13-15. Occasional slight regulation by Bluff Lake at low water.

AVERAGE DISCHARGE.--45 years, 1,038 ft³/s (29.40 m³/s), 17.36 in/yr (441 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 125,000 ft³/s (3,540 m³/s) Apr. 13, 1979, gage height, 38.97 ft (11.878 m) from floodmark; minimum, 22 ft³/s (0.62 m³/s) Aug. 25, 26, 1943, gage height, 4.89 ft (1.490 m).

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in July 1892 reached a stage of about 34 ft (10.4 m), present site and datum, from information by local residents, and has not been exceeded since. Flood in December 1926 reached a stage of about 30 ft (9.1 m).

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

Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)	Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
Jan. 7	2200	5380 153	23.82 7.260	Apr. 13	1900	*125000 3540	a38.97 11.878
Jan. 21	1700	17700 501	29.85 9.098	Sept. 25	2100	6400 181	25.12 7.657
Mar. 4	2200	17000 481	29.72 9.059				

Minimum discharge, 47 ft³/s (1.33 m³/s) Oct. 4, gage height, 5.70 ft (1.737 m).

a From floodmark.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	52	62	152	1110	2100	6390	450	400	360	150	395	313
2	50	64	104	2490	1340	6400	430	360	410	139	358	305
3	48	64	101	2020	1080	7400	1330	320	474	135	425	255
4	48	65	126	1030	1040	13500	3050	540	380	130	423	311
5	141	65	197	824	854	13100	3230	1300	298	126	257	445
6	104	65	161	613	1030	10600	2640	1500	261	128	280	311
7	76	69	137	3710	2510	9920	2240	840	244	303	261	226
8	69	78	167	5030	2610	8020	2620	540	226	292	214	187
9	67	88	494	4100	1870	6760	3590	400	212	610	191	165
10	65	74	786	1740	1540	5350	3590	330	206	421	288	150
11	65	79	443	766	1370	3530	2780	310	275	522	244	141
12	65	85	288	579	1020	1800	17600	540	271	1070	224	133
13	67	90	259	492	756	1130	11000	1600	425	1240	326	1370
14	62	83	201	447	625	994	95300	1900	430	1330	238	4570
15	71	76	170	397	555	885	41400	1350	309	1310	195	4250
16	67	69	157	347	503	676	16100	940	234	1770	176	3980
17	65	78	152	322	461	572	9030	500	202	2150	163	3420
18	65	95	148	311	2080	512	7190	290	185	2240	148	3300
19	65	139	139	492	3290	474	5880	240	178	1430	139	3010
20	69	94	135	5610	3090	447	3980	210	172	543	135	3080
21	71	86	139	14500	2260	430	1720	195	163	610	130	5230
22	67	103	176	12800	2100	419	819	180	156	824	195	5660
23	65	103	165	11100	2500	989	718	210	163	620	430	5900
24	64	92	157	11600	4000	1890	679	296	185	441	360	5730
25	64	83	176	9360	4380	1630	761	292	191	550	197	6250
26	65	74	180	7700	3990	1480	885	244	167	543	332	6180
27	65	72	154	7470	3540	1580	870	236	159	581	610	5250
28	64	76	141	7270	4470	1530	746	232	161	419	865	3720
29	64	97	135	6730	---	989	610	222	165	375	976	1280
30	60	113	137	4910	---	622	515	271	156	605	788	476
31	60	---	185	3110	---	503	---	337	---	625	506	---
TOTAL	2090	2481	6262	128980	56964	110522	338753	17125	7418	22232	10469	75598
MEAN	67.4	82.7	202	4161	2034	3565	11290	552	247	717	338	2520
MAX	141	139	786	14500	4470	13500	110000	1900	474	2240	976	6250
MIN	48	62	101	311	461	419	430	180	156	126	130	133
CFSM	.08	.10	.25	5.12	2.51	4.39	13.9	.68	.30	.88	.42	3.10
IN	.10	.11	.29	5.91	2.61	5.06	15.52	.78	.34	1.02	.48	3.46

CAL YR 1978 TOTAL 261612 MEAN 717 MAX 15500 MIN 41 CFM .88 IN 11.99
WTR YR 1979 TOTAL 778894 MEAN 2134 MAX 110000 MIN 48 CFM 2.63 IN 35.68

MOBILE RIVER BASIN

02448500 NOXUBEE RIVER NEAR GEIGER, AL

LOCATION.--Lat 32°55'06", long 88°17'45", in SE 1/4 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 (0.8 km) upstream from Woodards Creek, 1 mi (1.6 km) upstream from Alabama, Tennessee and Northern Railroad bridge, 4 mi (6.4 km) north of Geiger, and at mile 16.9 (27.2 km).

DRAINAGE AREA.--1,140 mi² (2,950 km²), approximately.

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 (26.237 m) National Geodetic Vertical Datum of 1929. Prior to Sept. 30, 1940, nonrecording gage at site of old highway bridge 1 mi (1.6 km) downstream at datum 1.44 ft (0.439 m) 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.--Water-discharge record fair except those for period of no gage-height record Oct. 3 to Nov. 5, which are poor. Discharge includes flow of Noxubee cutoff channel at bridge on State Highway 17, 1 mi (1.6 km) north of gage.

AVERAGE DISCHARGE.--35 years (water years 1939-40, 1944-65, 1966-78), 1,565 ft³/s (44.32 m³/s), 18.64 in/yr (473 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 156,000 ft³/s (4,420 m³/s) Apr. 14, 1979; gage height, 48.58 ft (14.807 m); minimum, 13 ft³/s (0.37 m³/s) July 7, 1954.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 156,000 ft³/s (4,420 m³/s) Apr. 14, gage height, 48.58 ft (14.807 m); minimum daily, 68 ft³/s (1.93 m³/s) Oct. 1-4, 30, 31.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	68	70	96	1240	6770	5220	541	856	347	202	775	521
2	68	71	104	5470	3780	5810	559	754	307	200	520	359
3	68	71	115	4680	1960	7960	2330	682	307	197	833	396
4	68	70	110	2580	1810	18100	5460	661	412	195	767	299
5	200	71	108	1110	1630	19800	6190	707	337	192	578	303
6	150	72	116	768	1570	19200	5090	843	291	194	374	425
7	105	75	148	3540	3890	18100	3480	772	258	207	327	349
8	90	76	138	7150	4440	15800	3080	653	245	285	334	269
9	80	76	748	7110	3540	13700	5650	641	230	489	291	229
10	77	77	1140	6240	2520	11800	5830	583	222	732	263	207
11	76	85	868	3620	1920	9870	4840	987	214	480	287	194
12	74	82	533	1010	1680	7740	12800	902	226	497	321	183
13	73	78	298	635	1300	4280	55400	2830	282	1190	259	1490
14	73	81	256	573	948	1550	136000	3880	333	1420	321	4780
15	80	82	212	540	749	1240	120000	3400	404	1430	296	5640
16	76	82	178	503	626	1090	54500	1760	320	1430	242	5060
17	74	82	159	458	543	829	29400	813	249	1960	211	4440
18	71	78	147	458	2430	682	19700	541	211	2350	195	4090
19	72	79	143	613	4890	603	14600	426	193	2420	181	3780
20	75	87	141	5310	4600	542	11600	363	183	1800	170	3460
21	75	105	150	10800	3970	508	9370	329	175	961	160	5600
22	73	91	149	11800	3140	485	6520	305	176	1940	157	7410
23	72	85	152	12400	3420	967	3210	288	177	1900	157	7070
24	70	85	175	14800	7310	2070	1310	323	199	965	339	6230
25	70	89	162	15600	9410	2240	1290	383	202	663	391	5620
26	71	87	155	15100	8670	1830	1530	349	221	804	271	5310
27	72	86	170	12000	6960	1580	1710	291	208	952	275	5210
28	72	82	163	11000	5300	1670	1460	270	199	848	557	5020
29	70	87	146	10000	---	1640	1210	279	195	588	891	4320
30	68	90	141	9200	---	1150	1000	258	200	588	1020	2100
31	68	---	182	8720	---	694	---	279	---	755	838	---
TOTAL	2499	2432	7503	185028	99776	178750	525660	26408	7523	28834	12601	90364
MEAN	80.6	81.1	242	5969	3563	5766	17520	852	251	930	406	3012
MAX	200	105	1140	15600	9410	19800	136000	3880	412	2420	1020	7410
MIN	68	70	96	458	543	485	541	258	175	192	157	183
CFSM	.07	.07	.21	5.24	3.13	5.06	15.4	.75	.22	.82	.36	2.64
IN.	.08	.08	.24	6.04	3.26	5.83	17.15	.86	.25	.94	.41	2.95

CAL YR 1978 TOTAL 368377 MEAN 1009 MAX 12100 MIN 67 CFSM .89 IN 12.02
WTR YR 1979 TOTAL 1167378 MEAN 3198 MAX 136000 MIN 68 CFSM 2.81 IN 38.09

PASCAGOULA RIVER BASIN

77

02472000 LEAF RIVER NEAR COLLINS, MS

LOCATION.--Lat 31°42'25", long 89°24'25", in NE¼ sec.33, T.9 N., R.14 W., St. Stephens Meridian, Covington County, Hydrologic Unit 03170004, on right bank at downstream side of bridge on U.S. Highway 84, 2 mi (3 km) downstream from Oakohay Creek, 8 mi (13 km) upstream from Big Creek, 9.5 mi (15.3 km) northeast of Collins, and at mile 114.5 (184.2 km).

DRAINAGE AREA.--752 mi² (1,948 km²).

PERIOD OF RECORD.--September 1938 to current year.

REVISED RECORDS.--WSP 2106: 1950(M).

GAGE.--Water-stage recorder. Datum of gage is 197.48 ft (60.192 m) Mississippi State Highway Department datum. Prior to Dec. 8, 1938, nonrecording gage at same site and datum.

REMARKS.--Records poor.

AVERAGE DISCHARGE.--41 years, 1,077 ft³/s (30.50 m³/s), 19.45 in/yr (494 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 54,200 ft³/s (1,540 m³/s) Apr. 14, 1974, gage height, 32.6 ft (9.936 m, from floodmark); minimum, 55 ft³/s (1.56 m³/s) Aug. 28-30, 1957.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in April 1856 reached a stage of about 33 ft (10.1 m), and the flood in April 1900 reached a stage of 32 ft (9.8 m), from information by local residents.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 8,000 ft³/s (227 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)	Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
Jan. 23	1300	13400 379	19.99 6.093	Mar. 5	2100	*36900 1040	29.44 8.973
Feb. 26	1700	16400 464	21.92 6.681	Apr. 6	---	12000 340	Unknown

Minimum discharge, 97 ft³/s (2.75 m³/s) Oct. 31, Nov. 1-5, 6, gage height 3.77 ft (1.149 m).

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	118	97	327	660	3650	3010	570	923	600	194	309	240
2	114	97	255	1000	2980	2930	567	751	672	181	276	230
3	111	97	211	1500	2440	7800	3670	679	725	173	319	260
4	107	97	398	1000	2740	18700	7020	679	878	164	295	540
5	106	97	696	640	3070	30800	10300	956	1010	159	354	450
6	104	97	514	460	4160	28900	11900	1450	1170	156	332	380
7	103	123	390	700	5650	11500	6860	1870	1590	150	254	320
8	100	159	371	1350	5300	3760	3360	1620	1850	157	226	290
9	99	140	700	3080	4940	2670	2480	1050	1920	214	210	240
10	99	123	801	2890	3240	1930	2000	758	1230	329	218	210
11	99	117	1110	1110	2180	1780	1810	630	831	422	263	200
12	100	115	876	703	1610	1660	1230	590	711	580	302	500
13	100	112	546	559	1210	1450	1120	590	689	804	378	1300
14	100	112	360	486	1060	1270	2140	593	606	1120	381	2500
15	99	112	287	435	971	1120	3900	580	447	1500	309	4000
16	99	112	255	393	884	1020	4060	516	354	1780	252	3000
17	99	123	241	368	801	943	2090	445	300	1460	216	1600
18	99	145	228	404	2070	878	1550	397	267	796	196	966
19	99	140	211	486	3660	811	968	365	243	538	183	724
20	99	130	204	4210	3810	751	777	347	224	489	175	553
21	99	126	250	9300	3320	714	686	327	208	600	166	1280
22	100	121	300	10300	2280	693	637	312	198	718	232	2000
23	104	121	375	13400	2520	1920	707	305	192	939	500	3000
24	102	117	465	10500	9840	2230	1320	337	188	1070	740	3500
25	99	114	580	6160	12100	2180	1970	433	230	981	1000	1800
26	99	115	500	7560	15800	1540	2290	596	270	773	720	1000
27	99	166	445	6800	12200	985	2240	651	272	722	540	740
28	99	224	395	6250	4740	777	2510	570	250	711	410	627
29	99	282	365	4450	---	689	2280	468	228	668	320	535
30	99	385	340	3270	---	630	1250	489	210	495	280	471
31	97	---	480	4310	---	593	---	567	---	383	280	---
TOTAL	3150	4116	13476	104734	119226	136634	84262	20844	18563	19466	10616	33456
MEAN	102	137	435	3379	3779	4408	2809	672	619	628	342	1115
MAX	118	385	1110	13400	15800	30800	11900	1870	1920	1780	1000	4000
MIN	97	97	204	368	801	593	567	305	188	150	166	200
CFSM	.14	.18	.58	4.49	5.66	5.86	3.74	.89	.82	.84	.46	1.48
IN.	.16	.20	.67	5.18	5.90	6.76	4.17	1.03	.92	.96	.53	1.66

CAL YR 1978 TOTAL 281462 MEAN 771 MAX 7670 MIN 97 CFSM 1.03 IN 13.92
WTR YR 1979 TOTAL 568543 MEAN 1558 MAX 30800 MIN 97 CFSM 2.07 IN 28.12

PASCAGOULA RIVER BASIN

02472373 LEAF RIVER AT EASTABUCHIE, MS

LOCATION.--Lat 31°26'20", long 89°18'00", in SE¼ sec.33, T.6 N., R.13 W., St. Stephens Meridian, Jones County, Hydrologic Unit 03170004, at downstream side of bridge on county road, 0.9 mi (1.4 km) west of Eastabuchie, and 1.4 mi (2.3 km) east of Interstate Highway 59, and at mile 82.1 (132.1 km).

DRAINAGE AREA.--1043 mi² (2701 km²).

PERIOD OF RECORD.--Water years 1965-66, 1972, 1975, 1978 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CTIFIC CON- DUCT- ANCE (MICRO- MHUS)	PH (UNITS)	TEMPER- ATURE, WATER (DEG C)	COLOR (PLAT- INUM CUPALT UNITS)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (CULS./ 100 ML)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)
OCT											
10...	1500	E200	52	6.8	19.0	30	4.0	8.8	K71	.23	.01
NOV											
21...	1230	E210	52	7.0	17.0	35	6.0	9.0	K51	.17	.01
DEC											
12...	1530	1240	73	6.3	8.5	100	55	10.8	K1500	.42	.01
JAN											
11...	0800	2130	65	6.6	5.0	130	70	11.4	940	.30	.02
FEB											
13...	1800	1600	61	6.4	10.0	30	25	9.6	K120	.29	.01
MAR											
27...	1330	1050	62	6.7	16.0	50	30	8.3	260	.18	.01
APR											
25...	1130	E4500	55	6.4	18.5	100	40	8.1	4500	.12	.01
MAY											
09...	1200	1600	55	6.3	20.5	120	40	8.1	700	.21	.01
JUN											
12...	1400	E1100	55	6.5	24.0	100	30	7.3	480	.23	.01
JUL											
12...	0800	1760	55	6.1	23.0	80	35	7.8	3100	.38	.02
AUG											
09...	1730	E440	64	6.9	29.0	40	10	5.3	540	.32	.01
SEP											
26...	1430	1860	50	6.5	21.5	100	30	6.0	K120	.09	.01

DATE	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, ORTHOPH- OSPHATE TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)	SEDI- MENT, SUS- PENDE (MG/L)	SEDI- MENT DIS- CHARGE, SUS- PENDE (T/DAY)
OCT											
10...	.24	.03	.23	.26	.50	2.2	.020	.00	1.8	16	--
NOV											
21...	.18	.02	.26	.28	.46	2.0	.010	.01	2.5	16	--
DEC											
12...	.43	.06	.59	.65	1.1	4.8	.110	.02	9.2	112	375
JAN											
11...	.32	.05	.25	.30	.62	2.7	.110	.03	11	185	1060
FEB											
13...	.30	.03	.28	.31	.61	2.7	.030	.01	5.4	39	168
MAR											
27...	.19	.02	.46	.48	.67	3.0	.050	.01	7.7	44	125
APR											
25...	.13	.08	.52	.60	.73	3.2	.050	.02	11	195	--
MAY											
09...	.22	.04	1.1	1.1	1.3	5.8	.080	.02	7.1	76	328
JUN											
12...	.24	.05	.39	.44	.68	3.0	.080	.02	7.1	46	--
JUL											
12...	.40	.04	.59	.63	1.0	4.6	.090	.03	9.3	84	399
AUG											
09...	.33	.00	.16	.16	.49	2.2	.030	.00	4.0	12	--
SEP											
26...	.10	.04	.62	.66	.76	3.4	.050	.01	11	157	788

PASCAGOULA RIVER BASIN

79

02472373 LEAF RIVER AT EASTABUCHIE, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	HARD- NESS (MG/L AS CACO3)	HARD- NESS, NONCAR- BONATE (MG/L AS CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM AD- SORP- TION RATIO
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OCT 10...	11	0	2.4	1.2	4.1	42	.5
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DATE	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	BICAR- BONATE (MG/L AS HCO3)	CAR- BONATE (MG/L AS CO3)	ALKA- LINITY (MG/L AS CACO3)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)
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OCT 10...	.9	13	0	11	3.3	1.1	7.2
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PESTICIDE ANALYSES, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	PCB, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDD, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- AZINON, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- ELDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ETHION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR EPOXIDE TOT. IN BOT- TOM MA- TERIAL (UG/KG)
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OCT 10...	0	.0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
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DATE	LINDANE TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	MALA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	METH- OXY- CHLOR, TOT. IN BOT- TOM MA- TERIAL (UG/KG)	METHYL PARA- THION, TOT. IN BOT- TOM MA- TERIAL (UG/KG)	METHYL TRI- THION, TOT. IN BOT- TOM MA- TERIAL (UG/KG)	PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	TOXA- PHENE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	TRI- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	2,4-D, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	2,4,5-T TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	SILVEX, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
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OCT 10...	.0	.0	.0	.0	.0	.0	0	.0	0	0	.0
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PASCAGOULA RIVER BASIN

02472500 ROWIE CREEK NEAR HATTIESBURG, MS

LOCATION.--Lat 31°25'32", long 89°24'53", in NW¼SW¼ sec.4, T.5 N., R.14 W., St. Stephens Meridian, Forrest County, Hydrologic Unit 03170004, on left bank 25 ft (8 m) downstream from upstream bridge of dual bridges on U.S. Highway 49, 1 mi (2 km) upstream from Okatoma Creek, 2 mi (3 km) southwest of Lux, and 10 mi (16 km) northwest of Hattiesburg.

DRAINAGE AREA.--304 mi² (787 km²).

PERIOD OF RECORD.--September 1938 to current year.

REVISED RECORDS.--WSP 1906: 1943(M).

GAGE.--Water-stage recorder. Datum of gage is 160.04 ft (48.780 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to Dec. 8, 1938, nonrecording gage at same site and datum.

REMARKS.--Record good.

AVERAGE DISCHARGE.--41 years, 443 ft³/s (12.55 m³/s), 19.79 in/yr (503 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 45,500 ft³/s (1,290 m³/s) Apr. 14, 1974, gage height, 28.18 ft (8.589 m), from floodmark; minimum, 83 ft³/s (2.35 m³/s) Aug. 29, 1957; minimum gage height, 2.37 ft (0.722 m) Sept. 16, 17, 1972.

EXTREMES FOR CURRENT YEAR.--Peak discharge above base of 4,000 ft³/s (113 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)	Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
Feb. 24	1930	5660 160	16.37 4.990	Apr. 24	1730	4820 137	14.79 4.508
Mar. 5	0430	*6780 192	18.23 5.557				

Minimum discharge, 120 ft³/s (3.40 m³/s) part or all of each day Oct. 8-10, 14-19, gage height, 2.59 ft (0.789 m).

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	135	124	266	493	651	693	304	399	397	164	249	202
2	132	124	218	480	547	564	315	356	317	194	232	190
3	125	125	185	416	554	2770	2110	338	282	207	249	530
4	127	124	205	312	953	6330	3630	374	284	175	234	813
5	125	125	302	245	1030	6410	2230	663	294	164	227	449
6	124	125	323	225	1690	4470	1410	595	334	159	211	264
7	122	141	241	350	2410	1610	1000	415	325	180	197	268
8	120	147	202	535	1810	887	580	340	404	407	188	240
9	120	157	408	408	1080	670	449	311	325	499	183	206
10	120	144	453	287	732	577	394	288	259	583	180	190
11	122	139	315	243	496	660	362	270	266	748	236	180
12	123	137	236	225	412	637	345	328	292	906	243	174
13	123	137	204	218	368	534	343	1130	220	802	214	1290
14	122	137	191	212	344	469	407	686	197	887	199	2850
15	120	136	182	204	327	426	397	397	188	1320	183	1650
16	120	137	180	196	310	394	323	302	182	717	175	589
17	120	141	180	191	293	378	294	264	178	443	170	343
18	122	155	180	194	620	369	276	243	175	490	167	292
19	122	164	176	277	947	362	266	232	172	530	164	270
20	122	154	173	1620	679	356	261	223	169	869	164	288
21	122	147	174	3770	623	347	257	216	166	909	162	1690
22	122	144	183	3110	528	347	268	211	164	731	558	1760
23	122	144	188	2040	787	509	2420	243	166	404	1730	1990
24	124	144	180	2610	4950	700	4700	313	166	323	1250	1350
25	124	144	183	1770	4920	583	3580	286	180	634	666	524
26	124	146	196	1080	3760	417	1570	234	202	980	624	336
27	124	183	186	1860	2230	367	1400	213	177	1780	472	296
28	124	238	176	1710	1110	349	1390	204	167	869	407	274
29	123	243	171	1160	---	338	676	209	166	555	325	255
30	123	245	194	754	---	321	484	451	164	365	264	242
31	124	---	335	687	---	307	---	573	---	286	223	---
TOTAL	3822	4551	6986	27882	35161	34151	32441	11307	6978	18280	10746	19995
MEAN	123	152	225	899	1256	1102	1081	365	233	590	347	667
MAX	135	245	453	3770	4950	6410	4700	1130	404	1780	1730	2850
MIN	120	124	171	191	293	307	257	204	164	159	162	174
CFSM	.41	.50	.74	2.96	4.13	3.63	3.56	1.20	.77	1.94	1.14	2.19
IN.	.47	.56	.85	3.41	4.30	4.18	3.97	1.38	.85	2.24	1.31	2.45

CAL YR 1978 TOTAL 116391 MEAN 319 MAX 2760 MIN 120 CFSM 1.05 IN 14.24
WTR YR 1979 TOTAL 212300 MEAN 582 MAX 6410 MIN 120 CFSM 1.91 IN 25.98

PASCAGOULA RIVER BASIN

81

02472880 BOWIE RIVER NEAR GLENDALE, MS

LOCATION.--Lat 31°23'44", long 89°21'56", in SE¼ sec.14, T.5 N., R.14 W., St. Stephens Meridian, Forrest County, Hydrologic Unit 03170004, at downstream side of bridge on county road, 5.1 mi (8.2 km) northwest of Glendale, and 4.2 mi (6.8 km) southeast of Lux, and at mile 10.5 (16.9 km).

DRAINAGE AREA.--681 mi² (1764 km²).

PERIOD OF RECORD.--Water years 1974, 1978 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE, WATER (DEG C)	COLOR (PLAT- INUM CORALT UNITS)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)
OCT											
10...	1330	210	32	6.8	17.5	25	8.0	5.3	K34	.44	.01
NOV											
21...	1100	270	37	6.6	16.0	45	6.0	8.6	K63	.33	.03
DEC											
12...	1400	562	41	6.9	10.0	60	15	10.2	280	.30	.01
JAN											
11...	0900	558	47	6.2	6.0	40	15	11.8	490	.30	.01
FEB											
13...	1920	836	38	6.5	11.0	20	10	10.3	K50	.32	.01
MAR											
27...	1200	851	36	6.1	16.0	50	30	8.3	180	.23	.01
APR											
25...	1000	--	27	6.1	18.5	80	30	7.8	2600	.08	.01
MAY											
09...	1030	618	37	6.0	20.5	50	35	8.4	120	.34	.01
JUN											
12...	1300	520	34	6.7	23.0	50	15	8.1	540	.35	.01
JUL											
12...	0900	1790	32	5.4	23.0	80	40	7.8	5300	.17	.01
AUG											
09...	1630	310	34	6.7	29.0	30	6.0	6.3	940	.28	.01
SEP											
26...	1300	695	37	6.5	21.5	55	20	6.6	K19	.18	.02

DATE	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, ORTHOPH- OSPHATE TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)	SEDI- MENT, SUS- PENDED (MG/L)	SEDI- MENT DIS- CHARGE, SUS- PENDED (1/DAY)
OCT											
10...	.45	.01	.19	.20	.65	2.9	.060	.04	1.7	10	5.7
NOV											
21...	.36	.04	.31	.35	.71	3.1	.050	.05	2.7	19	14
DEC											
12...	.31	.10	.47	.57	.88	3.9	.080	.04	6.5	35	53
JAN											
11...	.31	.16	.22	.38	.69	3.1	.060	.03	5.2	26	39
FEB											
13...	.33	.11	.13	.24	.57	2.5	.030	.02	3.6	53	120
MAR											
27...	.24	.04	.52	.56	.80	3.5	.060	.03	6.7	27	62
APR											
25...	.09	.05	.62	.67	.76	3.4	.040	.02	10	98	--
MAY											
09...	.35	.04	.54	.58	.93	4.1	.070	.03	4.0	26	43
JUN											
12...	.36	.04	.35	.39	.75	3.3	.060	.03	4.8	26	37
JUL											
12...	.18	.10	.70	.80	.98	4.3	.140	.05	11	125	604
AUG											
09...	.29	.01	.06	.07	.36	1.6	.050	.01	4.6	12	10
SEP											
26...	.20	.05	.66	.71	.91	4.0	.060	.01	5.1	23	43

PASCAGOULA RIVER BASIN

02472880 BOWIE RIVER NEAR GLENDALE, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	HARD- NESS (MG/L AS CACO3)	HARD- NESS, NONCAR- BONATE (MG/L AS CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM AD- SORP- TION RATIO
OCT 10...	6	0	1.1	.8	3.0	48 .5

DATE	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	BICAR- BONATE (MG/L AS HCO3)	CAR- BONATE (MG/L AS CO3)	ALKA- LINEITY (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 10...	.9	9	0	7	2.3	.3	3.8

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	PCH, 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)	DDF, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- AZINON, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- ELDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ETHION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR EPOXIDE TOT. IN BOTTOM MATERIAL (UG/KG)
OCT 10...	0	.0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0

DATE	LINDANE TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	MALA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	METH- OXY- CHLOR, TOT. IN BOTTOM MATERIAL (UG/KG)	METHYL PARA- THION, TOT. IN BOTTOM MATERIAL (UG/KG)	METHYL TRI- THION, TOT. IN BOTTOM MATERIAL (UG/KG)	PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	TOXA- PHENE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	TRI- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	2,4-D, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	2,4,5-T TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	SILVEX, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
OCT 10...	.0	.0	.0	.0	.0	.0	0	.0	0	0	.0

02473000 LEAF RIVER AT HATTIESBURG, MS

LOCATION.--Lat 31°20'33", long 89°16'46", in SW¼NW¼ sec.2, T.4 N., R.13 W., St. Stephens Meridian, Forrest County, Hydrologic Unit 03170005, on left bank at downstream side of bridge on U.S. Highway 11, at eastern city limits of Hattiesburg, 300 ft (90 m) downstream from Bowie Creek, 3,000 ft (900 m) upstream from New Orleans and Northeastern Railroad bridge, and at mile 71.8 (115.5 km).

DRAINAGE AREA.--1,760 mi² (4,560 km²), approximately.

PERIOD OF RECORD.--September 1938 to current year. Daily mean gage height, published since January 1972. Gage-height records collected in the same vicinity since 1904 are contained in reports of National Weather Service.

GAGE.--Water-stage recorder. Datum of gage is 118.23 ft (36.037 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to Jan. 15, 1939, nonrecording gage at same site and datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--41 years, 2,649 ft³/s (75.02 m³/s), 20.44 in/yr (519 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 121,000 ft³/s (3,430 m³/s) Apr. 15, 1974, gage height, 34.03 ft (10.372 m); minimum, 318 ft³/s (9.01 m³/s) Oct. 22, 1963; minimum gage height, 2.89 ft (0.881 m) Oct. 17, 1978.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in April 1900 reached a stage of about 33.6 ft (10.24 m) from reports of National Weather Service.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 34,400 ft³/s (974 m³/s) March 7, gage height, 24.32 ft (7.413 m); minimum, 482 ft³/s (13.7 m³/s) Oct. 17, gage height, 2.89 ft (0.881 m).

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	611	497	1600	2740	7370	11700	1880	2750	2680	792	1260	968
2	605	497	1190	3160	6550	5900	1920	2250	2440	872	1130	942
3	545	497	936	3330	5950	11500	11100	1970	2070	853	1150	1030
4	529	503	942	3240	7150	24400	23000	1980	2390	786	1240	1840
5	524	503	1550	2540	7630	28300	17000	3240	2780	750	1150	1580
6	513	503	1990	1730	10600	31200	14700	4960	2990	792	1210	1180
7	508	567	1510	1820	13900	33100	14900	5240	5300	904	1030	1090
8	497	605	1130	3340	13000	28100	11200	4380	4950	1650	929	1000
9	492	667	1720	4040	10400	15900	5600	2820	3830	2020	885	897
10	487	680	2720	4160	8450	6230	4330	2110	2790	2160	841	822
11	492	560	2350	3260	6050	5080	4040	1790	1960	3410	878	810
12	508	520	2170	2020	4270	4730	3570	1730	1840	4710	1200	1010
13	513	500	1630	1550	3400	4110	2960	3700	1610	4670	1400	2000
14	497	500	1220	1370	2880	3610	3300	3080	1490	4500	1280	4000
15	492	505	1010	1250	2620	3230	6220	2110	1200	6560	1040	8000
16	487	520	929	1150	2410	2940	9140	1680	1070	5460	929	10000
17	487	580	904	1080	2210	2750	7330	1430	1000	3990	859	11500
18	508	580	872	1100	3570	2610	3490	1300	955	2680	810	12000
19	497	520	841	1440	7520	2480	2680	1210	916	3080	780	10000
20	497	510	810	7100	7390	2350	2110	1160	878	2910	762	7600
21	497	500	804	15900	7390	2220	1900	1110	853	3950	750	4670
22	497	500	835	16700	6180	2190	1810	1080	835	3960	866	8800
23	497	500	885	16600	6110	3330	4300	1130	822	3270	3010	9190
24	503	500	872	19000	16100	4810	13500	1340	810	3170	2860	10300
25	503	510	859	18200	21600	4800	14300	1520	891	3490	2830	7630
26	497	520	936	14400	21100	4410	9410	1790	1180	4440	3000	3750
27	503	600	904	13700	20300	3230	6730	1760	1020	7770	2160	2630
28	503	800	835	12800	18000	2440	6510	1280	897	4300	1570	1960
29	503	1000	804	10700	---	2170	6550	1130	835	2680	1310	1690
30	497	1300	872	8320	---	2020	4160	2720	816	1960	1140	1530
31	497	---	1320	7150	---	1940	---	3580	---	1500	1010	---
TOTAL	15786	17544	37950	204890	250100	263780	219640	69330	54098	94039	41269	129819
MEAN	509	545	1224	6609	8932	8509	7321	2236	1803	3034	1331	4327
MAX	611	1300	2720	19000	21600	33100	23000	5240	5300	7770	3010	12000
MIN	487	497	804	1080	2210	1940	1810	1080	810	750	750	810
CFSM	.29	.33	.70	3.76	5.08	4.84	4.16	1.27	1.02	1.72	.76	2.46
IN.	.33	.37	.80	4.33	5.29	5.58	4.64	1.47	1.14	1.99	.87	2.74
CAL YR 1978 TOTAL	717198	MEAN	1965	MAX	13700	MIN	487	CFSM	1.12	IN	15.16	
WTR YR 1979 TOTAL	1398245	MEAN	3831	MAX	33100	MIN	487	CFSM	2.18	IN	29.55	

PASCAGOULA RIVER BASIN

02473000 LEAF RIVER AT HATTIESBURG, MS--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.13	2.92	---	5.95	10.17	13.23	4.97	5.98	5.90	3.44	4.15	3.72
2	3.12	2.92	4.05	6.41	9.51	8.95	5.02	5.41	5.63	3.57	3.97	3.68
3	3.06	2.92	3.67	6.59	9.01	12.83	12.65	5.08	5.20	3.54	3.99	3.80
4	2.98	2.93	3.68	6.50	10.00	20.92	20.15	5.09	5.56	3.43	4.12	4.92
5	2.97	2.93	4.52	5.73	10.38	22.54	16.73	6.48	6.01	3.37	3.99	4.57
6	2.95	2.93	5.09	4.78	12.54	23.64	15.34	8.15	6.21	3.43	4.08	4.04
7	2.94	3.05	4.49	4.88	14.81	24.18	15.43	8.40	8.45	3.62	3.81	3.91
8	2.92	3.12	3.96	6.58	14.21	22.30	12.95	7.61	8.14	4.65	3.66	3.77
9	2.91	3.23	4.73	7.29	12.41	15.92	8.68	6.05	7.08	5.12	3.59	3.61
10	2.90	---	5.94	7.41	11.00	9.21	7.57	5.25	6.01	5.30	3.52	3.49
11	2.91	---	5.53	6.52	9.06	8.26	7.29	4.86	5.06	6.64	3.58	3.47
12	2.94	---	5.32	5.14	7.51	7.93	6.82	4.78	4.92	7.92	4.07	---
13	2.95	---	4.65	4.55	6.65	7.36	6.20	6.91	4.63	7.48	4.34	---
14	2.92	---	4.09	4.30	6.12	6.87	6.56	6.32	4.47	7.73	4.17	---
15	2.91	---	3.78	4.14	5.83	6.49	9.19	5.24	4.07	9.51	3.83	---
16	2.90	---	3.66	3.99	5.60	6.18	11.52	4.71	3.87	8.58	3.66	---
17	2.90	---	3.62	3.89	5.36	5.97	10.05	4.39	3.77	7.24	3.55	---
18	2.94	---	3.57	3.92	6.75	5.82	6.74	4.20	3.70	5.90	3.47	---
19	2.92	---	3.52	4.40	10.29	5.68	5.90	4.08	3.64	6.33	3.42	---
20	2.92	---	3.47	4.46	10.18	5.53	5.25	4.00	3.58	6.15	3.39	---
21	2.92	---	3.46	16.10	10.19	5.38	4.99	3.94	3.54	7.20	3.37	7.72
22	2.92	---	3.51	16.60	9.20	5.34	4.88	3.89	3.51	7.21	3.55	11.26
23	2.92	---	3.59	16.52	9.11	6.58	7.24	3.97	3.49	6.53	6.23	11.56
24	2.93	---	3.57	18.00	16.03	8.01	14.51	4.26	3.47	6.42	6.09	12.37
25	2.93	---	3.55	17.50	19.49	8.00	15.06	4.50	3.60	6.72	6.06	10.27
26	2.92	---	3.67	15.10	19.21	7.63	11.69	4.86	4.03	7.66	6.24	6.90
27	2.93	---	3.62	14.67	18.77	6.49	9.66	4.82	3.80	10.46	5.31	5.71
28	2.93	---	3.51	14.03	17.36	5.63	9.47	4.18	3.60	7.50	4.57	4.93
29	2.93	---	3.46	12.66	---	5.32	9.51	3.97	3.51	5.90	4.22	4.60
30	2.92	---	3.57	10.90	---	5.14	7.39	5.86	3.48	5.06	3.98	4.39
31	2.92	---	4.23	10.00	---	5.04	---	6.84	---	4.48	3.78	---
MEAN	2.94	---	---	8.86	10.96	9.95	9.65	5.29	4.73	6.08	4.19	---
MAX	3.13	---	---	18.00	19.49	24.18	20.15	8.40	8.45	10.46	6.24	---
MIN	2.90	---	---	3.89	5.36	5.04	4.88	3.89	3.47	3.37	3.37	---

PASCAGOULA RIVER BASIN

85

02473260 LEAF RIVER NEAR PALMER, MS

LOCATION.--Lat 31°15'40", long 89°13'35", in SW¼ sec.32, T.4 N., R.12 W., St. Stephens Meridian, Forrest County, Hydrologic Unit 03170005, at downstream side of bridge on county road, 0.6 mi (1.0 km) east of Palmer, and 3.2 mi (5.1 km) northwest of Four Points, and at mile 61.6 (99.1 km).

DRAINAGE AREA.--1821 mi² (4716 km²).

PERIOD OF RECORD.--Water years 1971-75, 1978 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE, WATER (DEG C)	COLOR (PLAT- INUM COBALT UNITS)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)
OCT											
10...	1630	560	64	6.7	22.0	40	6.0	9.3	100	.30	.02
NOV											
21...	1400	650	58	6.7	19.0	40	10	9.2	110	.27	.02
DEC											
13...	0800	1600	65	6.3	10.0	70	45	9.7	250	.49	.02
JAN											
11...	1030	3200	65	6.5	6.0	200	73	11.0	2300	.28	.03
FEB											
13...	1645	3180	60	6.3	10.0	35	25	8.9	580	.27	.01
MAR											
28...	1600	2330	68	6.2	17.0	65	25	8.6	2100	.21	.01
APR											
25...	0830	--	37	6.3	18.5	100	35	7.8	4900	.11	.01
MAY											
09...	0900	3150	60	6.5	20.0	80	40	7.8	1000	.23	.01
JUN											
12...	1630	1660	59	6.4	23.0	80	30	7.2	4410	.28	.02
JUL											
12...	1030	4600	46	6.1	25.0	70	40	6.3	4900	.26	.02
AUG											
09...	1530	1000	80	6.5	31.0	40	10	6.3	540	.32	.01
SEP											
26...	1530	3350	51	6.6	22.0	150	30	5.7	740	.09	.01

DATE	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, ORTHOPH- OSPHATE TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)	SEDI- MENT, SUS- PENDED (MG/L)	SEDI- MENT DIS- CHARGE, SUS- PENDED (T/DAY)
OCT											
10...	.32	.09	.34	.43	.75	3.3	.110	.06	6.2	16	24
NOV											
21...	.29	.17	.41	.58	.87	3.9	.150	.07	5.2	24	42
DEC											
13...	.51	.12	.80	.92	1.4	6.3	.130	.05	11	114	492
JAN											
11...	.31	.09	.61	.70	1.0	4.5	.150	.04	11	232	2000
FEB											
13...	.28	.11	.18	.29	.57	2.5	.050	.02	5.7	26	223
MAR											
28...	.22	.07	.47	.54	.76	3.4	.110	.05	7.2	42	264
APR											
25...	.12	.08	.54	.62	.74	3.3	.070	.03	8.9	256	--
MAY											
09...	.24	.06	.66	.92	1.2	5.1	.080	.04	6.7	116	987
JUN											
12...	.30	.07	.38	.45	.75	3.3	.100	.04	7.6	42	188
JUL											
12...	.28	.14	.59	.73	1.0	4.5	.150	.05	9.3	82	1020
AUG											
09...	.33	.22	.46	.68	1.0	4.5	.160	.06	4.5	18	49
SEP											
26...	.10	.06	.77	.83	.93	4.1	.100	.01	11	101	914

PASCAGOULA RIVER BASIN

02473260 LEAF RIVER NEAR PALMER, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	HARD- NESS (MG/L AS CACO3)	HARD- NESS, NONCAR- BONATE (MG/L AS CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM AD- SORP- TION RATIO
OCT 10...	8	0	1.4	1.0	7.6	63 1.2

DATE	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	BICAR- BONATE (MG/L AS HCO3)	CAR- BONATE (MG/L AS CO3)	ALKA- LINEITY (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 10...	1.5	11	0	9	3.5	3.9	9.1

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	PCB, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDD, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDF, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- AZINON, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- ELDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ETHION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)
OCT 10...	0	.0	1	.4	.0	.7	.0	.0	.0	.0	.0	.0

DATE	LINDANE TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	MALA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	METH- OXY- CHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARA- THION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRI- THION, TOT. IN BOTTOM MATL. (UG/KG)	PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	TOXA- PHENE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	TRI- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	2,4-D, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	2,4,5-T TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	SILVEX, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
OCT 10...	.0	.0	.0	.0	.0	.0	0	.0	0	0	.0

PASCAGOULA RIVER BASIN

87

02473460 TALLAHALA CREEK AT WALDRUP, MS

LOCATION.--Lat 31°57'58", long 89°06'55", in SW¼ sec.31, T.2 N., R.12 E., Choctaw Meridian, Jasper County, Hydrologic Unit 03170005, at downstream side of bridge on State Highway 528, 0.5 mi (0.8 km) west of Waldrup, and at mile 90.0 (144.8 km).

DRAINAGE AREA.--99.0 mi² (256.4 km²).

PERIOD OF RECORD.--Water years 1965, 1972, 1976 to October 1979 (discontinued).

REMARKS.--Samples are collected by a local observer.

WATER QUALITY DATA

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE, WATER (DEG C)	COLOR (PLAT- INUM COBALT UNITS)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	NITRO- GEN, NO ₂ +NO ₃ TOTAL (MG/L AS N)
OCT , 1978									
08...	1800	3.2	100	6.8	16.5	50	9.0	8.2	.05
NOV									
12...	1830	5.5	119	7.2	19.0	30	6.0	8.5	.00
DEC									
17...	1130	18	85	6.9	10.0	45	15	8.8	.13
JAN , 1979									
06...	1715	39	343	6.8	8.5	45	15	9.4	.13
FEB									
11...	1745	122	75	6.6	9.0	35	16	9.8	.12
MAR									
12...	1515	132	50	6.7	14.5	50	20	8.8	.05
APR									
07...	0900	370	43	6.9	15.5	50	35	8.0	.05
MAY									
06...	1015	360	40	7.0	21.0	100	45	8.0	.08
JUN									
17...	1830	15	70	6.9	22.0	150	30	7.4	.15
JUL									
22...	1200	83	119	6.8	23.0	50	20	7.5	.36
AUG									
10...	1300	86	69	6.8	26.0	50	30	7.4	.28
SEP									
07...	1300	9.0	80	6.8	25.0	--	--	7.2	--
OCT									
07...	1000	5.0	348	7.2	17.0	15	7.0	8.2	.17

DATE	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N03)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, ORTHOPH- OSPHATE TOTAL (MG/L AS P)	SEDI- MENT, DIS- SOLVED (MG/L)	SEDI- MENT DIS- CHARGE, SUS- PENDED (T/DAY)
OCT , 1978									
08...	.07	.27	.34	.39	1.7	.010	.01	38	.33
NOV									
12...	.00	.26	.26	.26	1.2	.010	.00	24	.36
DEC									
17...	.05	.21	.26	.39	1.7	.010	.00	30	1.5
JAN , 1979									
06...	.05	.42	.47	.60	2.7	.030	.00	30	3.2
FEB									
11...	.08	.44	.52	.64	2.8	.020	.00	32	11
MAR									
12...	.00	.22	.22	.27	1.2	.040	.01	53	19
APR									
07...	.01	.53	.54	.59	2.6	.070	.01	--	--
MAY									
06...	.06	.57	.63	.71	3.1	.060	.02	--	--
JUN									
17...	.08	.50	.58	.73	3.2	.040	.00	105	4.3
JUL									
22...	.01	.36	.37	.73	3.2	.040	.02	59	13
AUG									
10...	.11	.61	.72	1.0	4.4	.170	.03	28	6.5
SEP									
07...	--	--	--	--	--	--	--	60	1.5
OCT									
07...	.02	1.4	1.4	1.6	7.0	.020	.01	54	.73

PASCAGOULA RIVER BASIN

02473490 TALLAHALA CREEK NEAR SANDERSVILLE, MS

LOCATION.--Lat 31°47'07", long 89°04'33", in SW¼ sec.35, T.10 N., R.11 W., St. Stephens Meridian, Jones County, Hydrologic Unit 03170005, at downstream side of bridge on county road, 2.4 mi (3.9 km) west of Sandersville, and at mile 67.0 (107.8 km).

DRAINAGE AREA.--197.7 mi² (512.0 km²).

PERIOD OF RECORD.--Water years 1965, 1974 to October 1979 (discontinued).

REMARKS.--Samples are collected by a local observer.

WATER QUALITY DATA

DATE	TIME	STREAM- FLOW, INSTAN- TANEGUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MH/S)	PH (UNITS)	TEMPER- ATURE, WATER (DEG C)	COLOR (PLAT- INUM COBALT UNITS)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)
OCT , 1978									
08...	1700	8.7	340	6.9	16.5	50	8.0	8.0	.06
NOV									
12...	1730	22	243	7.1	19.0	40	7.0	8.4	.00
DEC									
17...	1050	43	433	6.2	9.0	50	15	8.6	.12
JAN , 1979									
06...	1830	94	105	6.9	9.0	50	15	9.1	.18
FEB									
11...	1700	690	130	6.7	9.0	30	16	8.9	.13
MAR									
12...	1415	180	52	6.9	14.0	50	20	8.6	.05
APR									
07...	1000	604	43	6.8	16.0	100	40	7.9	.05
MAY									
06...	0940	600	70	6.9	20.0	50	55	7.8	.12
JUN									
17...	1730	43	172	6.8	23.0	65	15	7.2	.16
JUL									
22...	1100	128	119	6.9	23.0	5	20	7.6	.18
AUG									
10...	1200	142	80	6.9	26.0	30	10	7.4	.30
SEP									
07...	1200	26	175	6.9	25.0	--	--	6.8	--
OCT									
07...	1100	47	250	6.9	17.0	55	7.0	8.3	.26

DATE	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, ORTHOPH OSPHATE TOTAL (MG/L AS P)	SEDI- MENT, SUS- PENDED (MG/L)	SEDI- MENT DIS- CHARGE, SUS- PENDED (T/DAY)
OCT , 1978									
08...	.08	.42	.50	.56	2.5	.020	.02	71	1.7
NOV									
12...	.00	.20	.20	.20	.89	.010	.00	46	2.7
DEC									
17...	.09	.52	.61	.73	3.2	.020	.01	46	5.3
JAN , 1979									
06...	.04	.50	.54	.72	3.2	.030	.00	74	19
FEB									
11...	.13	.47	.60	.73	3.2	.020	.00	33	61
MAR									
12...	.00	.23	.23	.28	1.2	.040	.00	40	19
APR									
07...	.01	.73	.74	.79	3.5	.040	.01	--	--
MAY									
06...	.06	.77	.83	.95	4.2	.040	.01	--	--
JUN									
17...	.13	.70	.83	.99	4.4	.030	.00	51	5.9
JUL									
22...	.00	.25	.25	.43	1.9	.040	.01	68	24
AUG									
10...	.13	.35	.48	.78	3.5	.200	.05	58	22
SEP									
07...	--	--	--	--	--	--	--	44	3.1
OCT									
07...	.02	1.2	1.2	1.5	6.5	.030	.01	44	5.6

PASCAGOULA RIVER BASIN

89

02473500 TALLAHALA CREEK AT LAUREL, MS

LOCATION.--Lat 31°40'50", long 89°06'55", in NE¼NE¼ sec.8, T.8 N., R.11 W., St. Stephens Meridian, Jones County, Hydrologic Unit 03170005, on right bank at downstream side of bridge on State Highway 15, 0.5 mi (0.8 km) upstream from Gulf, Mobile and Ohio Railroad bridge, 0.5 mi (0.8 km) southeast of city limits of Laurel, and 6 mi (10 km) upstream from Tallahoma Creek.

DRAINAGE AREA.--233 mi² (603 km²).

PERIOD OF RECORD.--September 1938 to current year.

GAGE.--Water-stage recorder. Datum of gage is 201.37 ft (61.378 m) Mississippi State Highway Department datum. Prior to Dec. 14, 1938, nonrecording gage at same site and datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--41 years, 343 ft³/s (9.714 m³/s), 19.99 in/yr (508 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 23,300 ft³/s (660 m³/s) Apr. 14, 1974, gage height, 23.28 ft (7.096 m), from floodmark; minimum, 1.8 ft³/s (0.051 m³/s) Nov. 3, 1952, Oct. 31, Nov. 1, 1963; minimum gage height, 1.21 ft (0.369 m) Oct. 31, Nov. 1, 1963.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known since at least 1880, about 26 ft (7.9 m) Dec. 9, 1919. Flood in April 1900 reached a stage of about 24 ft (7.3 m), from information by local residents. Flood in April 1938 reached a stage of 20.7 ft (6.31 m) from information by Mississippi State Highway Department.

EXTREMES FOR CURRENT YEAR.--Peak discharge above base of 3,000 ft³/s (85.0 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)	Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
Jan. 24	1400	3500 99.1	15.84 4.828	Feb. 27	0330	4040 114	16.33 4.977
Feb. 24	1830	3180 90.1	15.48 4.718	Mar. 5	1200	*11600 329	20.27 6.178

Minimum discharge, 7.0 ft³/s (0.198 m³/s) Oct. 18, 19, 20, gage height, 1.72 ft (0.524 m).

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11	7.8	132	253	1680	2070	193	440	979	36	106	32
2	9.6	7.5	69	358	1380	1270	202	237	1110	35	84	37
3	8.7	7.5	54	337	1180	1880	769	185	739	33	71	63
4	10	8.7	67	308	1200	5330	2170	190	583	32	59	139
5	9.6	9.3	76	253	1080	10700	2010	384	555	31	52	80
6	9.0	9.3	140	175	1270	6620	1810	579	694	43	51	56
7	8.7	19	140	179	1610	3370	2070	617	604	64	45	45
8	8.4	16	104	320	1660	2430	2090	569	598	103	42	37
9	8.1	14	115	488	1590	1890	1630	306	498	189	40	31
10	8.1	24	398	539	1560	1050	617	253	220	213	37	27
11	7.8	29	420	387	1580	575	497	363	154	185	44	24
12	7.8	25	270	230	1260	533	394	494	131	215	48	21
13	7.8	21	135	183	487	487	293	546	128	214	79	345
14	7.5	19	89	163	375	431	345	510	134	212	85	764
15	7.5	17	72	146	333	377	500	304	95	162	68	882
16	7.2	15	65	128	303	338	593	195	76	140	52	878
17	7.2	19	61	115	277	308	566	147	65	109	45	855
18	7.0	20	59	119	491	286	251	121	58	103	38	757
19	7.0	23	57	120	1010	273	174	106	56	78	33	301
20	8.4	27	59	533	1150	261	148	105	48	73	30	193
21	9.6	30	59	1070	1260	250	132	89	44	80	29	520
22	8.7	30	56	1190	1400	241	124	81	43	114	61	814
23	8.7	27	67	1430	1740	302	230	83	38	139	48	851
24	8.4	23	76	3190	2920	420	1020	77	46	228	42	838
25	8.4	20	75	2920	2610	459	1310	83	78	381	48	878
26	8.1	23	69	2400	2950	389	1150	78	63	550	48	924
27	9.0	33	77	2310	3670	280	1780	81	51	550	52	413
28	8.7	35	80	2120	2720	237	1770	74	44	541	52	178
29	8.1	53	69	1890	---	217	1270	147	40	472	50	141
30	7.8	63	72	1710	---	202	901	956	38	281	43	119
31	7.8	---	85	1700	---	192	---	1000	---	148	35	---
TOTAL	259.7	675.1	3367	27264	40746	43668	27009	9400	8010	5754	1617	11243
MEAN	8.38	22.5	109	879	1455	1409	900	303	267	186	52.2	375
MAX	11	63	420	3190	3670	10700	2170	1000	1110	550	106	924
MIN	7.0	7.5	54	115	277	192	124	74	38	31	29	21
CFSM	.04	.10	.47	3.77	6.25	6.05	3.86	1.30	1.15	.80	.22	1.61
IN.	.04	.11	.54	4.35	6.51	6.97	4.31	1.50	1.28	.92	.26	1.80

CAL YR 1978 TOTAL 93274.1 MEAN 256 MAX 3150 MIN 7.0 CFSM 1.10 IN 14.89
WTR YR 1979 TOTAL 179012.8 MEAN 490 MAX 10700 MIN 7.0 CFSM 2.10 IN 28.58

PASCAGOULA RIVER BASIN

02474500 TALLAHALA CREEK NEAR RUNNELSTOWN, MS

LOCATION.--Lat 31°19'57", long 89°06'46", in SE&SE& sec.5, T.4 N., R.11 W., St. Stephens Meridian, Perry County, Hydrologic Unit 03170005, on right bank at downstream side of highway bridge between Sunrise and Runnelstown, 3 mi (5 km) south of Runnelstown, and 9 mi (14 km) upstream from mouth.

DRAINAGE AREA.--612 mi² (1,585 km²).

PERIOD OF RECORD.--October 1939 to current year. Monthly discharge only for October 1939, published in WSP 1304.

GAGE.--Water-stage recorder. Datum of gage is 104.58 ft (31.876 m) National Geodetic Vertical Datum of 1929. Prior to Oct. 1, 1971, at datum 5.00 ft (1.524 m) higher.

REMARKS.--Records good.

AVERAGE DISCHARGE.--40 years, 937 ft³/s (26.54 m³/s), 20.79 in/yr (528 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 32,800 ft³/s (929 m³/s) Feb. 24, 1961, gage height, 29.84 ft (9.095 m) in gage well, 30.07 ft (9.165 m) from outside gage, present datum; minimum, 29 ft³/s (0.82 m³/s) Oct. 31, 1963; minimum gage height, 4.64 ft (1.414 m) Nov. 3, 4-5, 6, 1978.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since about 1865, 30½ ft (9½ m) in April 1900; flood in December 1919 reached a stage of 26½ ft (8 m), and flood in about 1865 reached a stage between 26½ ft (8 m) and 30½ ft (9½ m), all from information by local residents, at datum 5.00 ft (1.524 m) higher.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 14,000 ft³/s (396 m³/s) Mar. 7, gage height, 24.48 ft (7.462 m); minimum, 49 ft³/s (1.39 m³/s) Nov. 3, 4-5, 6, gage height, 4.64 ft (1.414 m).

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	93	52	289	508	3510	5820	597	2670	2500	173	533	201
2	89	51	437	1010	3280	5380	617	1620	2330	170	372	173
3	82	49	318	881	3080	5830	5180	981	2090	167	330	155
4	76	49	277	761	3280	8440	9500	817	1710	154	303	245
5	72	49	346	693	3270	9350	7580	925	1540	141	289	328
6	69	49	369	585	3860	11500	5940	1460	1540	134	238	308
7	67	65	452	601	4550	13600	4850	1780	2250	238	212	249
8	65	73	378	677	4350	12200	4050	1800	2100	484	196	199
9	63	77	346	861	3980	8790	3950	1670	1580	471	180	180
10	62	77	501	1040	3580	6210	3760	1140	1230	621	161	162
11	61	69	969	1090	3230	4190	2440	853	757	1070	158	151
12	62	65	813	865	3020	2490	1700	1370	533	1290	192	137
13	61	73	549	545	2530	2000	1470	2410	411	1060	208	829
14	60	76	367	431	1440	1690	1830	2850	349	945	208	2220
15	58	71	284	389	1090	1450	1340	1580	367	733	255	2140
16	56	68	245	351	949	1240	1420	1000	313	737	234	2090
17	56	69	225	315	849	1110	1560	701	264	765	192	1860
18	55	68	208	315	1600	1020	1520	522	236	1080	168	1720
19	55	67	196	349	2820	957	965	428	216	1680	152	1520
20	64	69	189	2450	2830	901	721	372	205	853	141	949
21	66	73	189	3970	3030	853	621	341	194	549	135	1720
22	64	73	191	3570	2930	813	561	315	184	541	133	2360
23	64	74	184	3370	3350	1210	977	318	180	533	236	2160
24	62	75	208	4150	5460	1330	3840	333	181	713	286	2000
25	59	74	214	4030	6110	1280	4360	315	192	1260	266	1860
26	56	72	217	4470	6370	1250	3940	303	262	1940	238	1810
27	56	111	212	5260	6110	1070	3570	286	279	2080	279	1750
28	55	164	203	5300	5730	841	3370	286	219	1710	318	1150
29	53	205	203	4970	---	713	3480	272	194	1310	296	673
30	52	266	212	4400	---	645	3370	917	181	1180	272	515
31	52	---	257	3910	---	609	---	2690	---	921	219	---
TOTAL	1965	2473	10048	62117	96188	114782	88679	33325	24587	25703	7400	31814
MEAN	63.4	82.4	324	2004	3435	3703	2956	1075	820	829	239	1060
MAX	93	266	969	5300	6370	13600	9500	2850	2500	2080	533	2360
MIN	52	49	184	315	849	609	561	272	180	134	133	137
CFSM	1.10	1.14	1.53	3.28	5.61	6.05	4.83	1.76	1.34	1.36	1.39	1.73
IN.	1.12	1.15	1.61	3.78	5.85	6.98	5.39	2.03	1.49	1.56	1.45	1.93
CAL YR 1978	TOTAL	262215	MEAN	718	MAX	4320	MIN	49	CFSM	1.17	IN	15.94
WTR YR 1979	TOTAL	499081	MEAN	1367	MAX	13600	MIN	49	CFSM	2.23	IN	30.34

PASCAGOULA RIVER BASIN

91

02474600 BOGUE HOMO NEAR RICHTON, MS

LOCATION.--Lat 31°24'12", long 89°01'18", in NE¼NW¼ sec.17, T.5 N., R.10 W., St. Stephens Meridian, Perry County, Hydrologic Unit 03170005, at bridge on county highway, 0.5 mi (0.8 km) upstream from Linda Creek, 1.0 mi (1.6 km) downstream from Sweetwater Creek, 3.5 mi (5.6 km) upstream from State Highway 42, and 6.0 mi (9.7 km) northwest of Richton.

DRAINAGE AREA.--344 mi² (891 km²).

PERIOD OF RECORD.--Occasional low-flow measurements, water years 1943 (corrected), 1955-56, 1965. October 1970 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 117 ft (35.7 m), from topographic map.

REMARKS.--Records good except those for periods of no gage-height record April 10 to May 22 and Aug. 19 to Sept. 19, which are fair. Discharge affected by occasional regulation of Bogue Homo Lake.

AVERAGE DISCHARGE.--9 years, 624 ft³/s (17.67 m³/s), 24.63 in/yr (626 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 21,900 ft³/s (620 m³/s) Dec. 28, 1973, gage height, 27.63 ft from floodmark; minimum, 7.0 ft³/s (0.20 m³/s) Sept. 16, 1972, minimum gage height, 3.49 ft (1.064 m) July 2, 1977.

EXTREMES OUTSIDE PERIOD OF RECORD.--A flood prior to January 1941, reached a stage of 26½ ft (8 m) and the flood of Mar. 21, 1943, reached a stage of 25.7 ft (7.83 m) at site 3.5 mi (5.6 km) downstream at different datum (from information by Corps of Engineers). A discharge of 4.7 ft³/s (0.13 m³/s) was measured Oct. 16, 1963.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 18,200 ft³/s (515 m³/s) Apr. 4, gage height, 26.31 ft (8.019 m); minimum discharge 12 ft³/s (0.34 m³/s) Oct. 14, 15, 16, gage height, 3.48 ft (1.061m).

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	42	19	32	145	1490	2360	177	820	675	60	187	64
2	35	18	25	280	1220	1710	207	600	970	52	360	60
3	30	16	32	210	1050	3010	5320	475	1190	48	1160	58
4	27	15	57	155	1510	9920	14800	220	1190	43	600	71
5	25	15	74	109	1700	14300	11700	260	1120	34	178	92
6	24	14	64	85	2220	13800	8060	365	900	40	120	78
7	22	19	56	125	2890	6470	4630	480	735	101	100	70
8	21	18	49	165	2960	2950	2580	470	860	69	89	63
9	19	16	49	145	2410	1960	2750	420	1070	147	77	58
10	16	16	50	113	2060	1390	2900	320	1040	255	66	54
11	16	16	52	89	1810	1100	2500	230	660	540	66	50
12	16	16	46	76	1510	870	1500	475	262	572	75	48
13	14	16	40	70	1110	670	920	620	177	512	81	300
14	13	16	34	65	630	584	670	740	117	540	71	2400
15	12	16	32	57	416	524	720	450	87	540	72	2000
16	18	16	33	51	331	424	900	350	74	464	66	1760
17	24	15	33	50	283	331	940	170	71	257	66	1500
18	25	15	32	57	900	280	880	140	61	645	61	1380
19	25	15	32	67	1750	255	540	113	49	1080	51	1420
20	25	15	34	1590	1550	240	365	100	41	940	48	1160
21	25	16	38	2800	1540	230	188	91	38	548	46	1520
22	25	15	34	2270	1570	242	164	83	37	468	45	1770
23	24	15	29	1630	1880	675	300	84	34	440	80	1420
24	23	15	33	2270	3890	860	1550	83	31	540	160	950
25	23	14	33	2400	5030	616	1740	78	41	1430	98	925
26	24	15	29	2110	4140	504	1420	84	40	1840	67	960
27	23	41	27	2400	4120	436	1140	75	74	1610	79	875
28	22	34	26	2370	3410	304	1060	68	147	1320	89	596
29	22	52	25	2000	---	227	1150	61	123	1100	78	334
30	22	53	40	1690	---	192	1060	260	80	815	74	257
31	21	---	55	1600	---	177	---	596	---	356	70	---
TOTAL	703	592	1225	27244	55380	67611	72831	9381	11994	17406	4480	22293
MEAN	22.7	19.7	39.5	879	1978	2181	2428	303	400	561	145	743
MAX	42	53	74	2800	5030	14300	14800	820	1190	1840	1160	2400
MIN	12	14	25	50	283	177	164	61	31	34	45	48
CFSM	.07	.06	.12	2.56	5.75	6.34	7.06	.88	1.16	1.63	.42	2.16
IN.	.08	.06	.13	2.95	5.99	7.31	7.88	1.01	1.30	1.86	.48	2.41
CAL YR 1978	TOTAL	110292	MEAN 302	MAX 2600	MIN 12	CFSM .88	IN 11.93					
WTH YR 1979	TOTAL	291140	MEAN 798	MAX 14800	MIN 12	CFSM 2.32	IN 31.48					

PASCAGOULA RIVER BASIN

02474740 LEAF RIVER AT BEAUMONT, MS

LOCATION.--Lat 31°10'56", long 88°55'08", in NW¼ sec.32, T.3 N., R.9 W., St. Stephens Meridian, Perry County, Hydrologic Unit 03170005, at downstream side of bridge on State Highway 15, 1.4 mi (2.3 km) north of intersection of State Highway 15 and U.S. Highway 98 in Beaumont, and at mile 24.8 (39.9 km).

DRAINAGE AREA.--3120 mi² (8081 km²).

PERIOD OF RECORD.--Water years 1965, 1972, 1978 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	STREAM- FLOW, INSTANT- TARECLS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE, WATER (DEG C)	COLOR (PLAT- INER COALT UNITS)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	COLI- FORM, FECAL, 0.7 OR-MF (COLS./ 100 ML)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)
OCT											
11...	0900	676	60	6.7	20.0	30	4.0	8.3	K11	.26	.00
NOV											
21...	1530	805	68	6.9	19.0	40	7.0	8.5	K37	.32	.01
DEC											
13...	0930	2460	108	6.3	10.0	60	25	10.2	700	.24	.01
JAN											
11...	1200	4330	100	6.5	7.0	50	64	10.5	1200	.27	.03
FEB											
13...	1600	4380	68	6.3	9.0	45	30	9.2	K210	.18	.01
MAR											
28...	1500	5030	78	6.2	17.0	55	30	8.3	400	.18	.01
APR											
24...	1600	17100	41	6.4	19.0	100	35	8.1	6000	.16	.02
MAY											
08...	1630	4320	54	6.2	20.5	130	45	7.7	660	.17	.02
JUN											
13...	0930	3280	65	6.9	25.0	60	20	6.6	K77	.27	.02
JUL											
12...	1230	7700	55	5.7	25.0	60	40	6.9	3300	.20	.02
AUG											
10...	0900	1890	72	6.5	29.0	40	7.0	6.6	250	.41	.01
SEP											
27...	0930	4700	62	6.4	22.0	90	25	6.1	K1500	.09	.01

DATE	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, ORTHOPH- OSPHATE TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)	SEDI- MENT, SUS- PENDED (MG/L)	SEDI- MENT DIS- CHARGE, SUS- PENDED (T/DAY)
OCT											
11...	.26	.01	.29	.30	.56	2.5	.070	.04	1.9	14	26
NOV											
21...	.33	.13	.39	.52	.85	3.8	.110	.07	15	16	35
DEC											
13...	.25	.13	.42	.55	.80	3.5	.120	.04	9.6	68	452
JAN											
11...	.30	.10	.15	.25	.55	2.4	.150	.03	9.2	126	1470
FEB											
13...	.19	.08	.20	.28	.47	2.1	.050	.02	7.3	49	1110
MAR											
28...	.19	.04	.40	.44	.63	2.8	.070	.02	8.6	58	788
APR											
24...	.18	.07	.23	.30	.48	2.1	.050	.02	6.8	249	11500
MAY											
08...	.19	.05	.81	.86	1.1	4.6	.080	.03	7.9	176	3950
JUN											
13...	.29	.03	.44	.47	.76	3.4	.080	.03	8.2	34	301
JUL											
12...	.22	.14	.61	.75	.97	4.3	.140	.06	7.6	134	2790
AUG											
10...	.42	.13	.16	.29	.71	3.1	.110	.06	5.4	10	51
SEP											
27...	.10	.05	.56	.61	.71	3.1	.080	.01	11	54	977

PASCAGOULA RIVER BASIN

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02474740 LEAF RIVER AT BEAUMONT, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	HARD- NESS (MG/L AS CACO3)	HARD- NESS, NONCAR- BONATE (MG/L CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM AD- SORP- TION RATIO
OCT 11...	10	0	2.1	1.1	7.8	59	1.1

DATE	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	BICAR- BONATE (MG/L AS HCO3)	CAR- BONATE (MG/L AS CO3)	ALKA- LINITY (MG/L AS CACO3)	CARRON DIOXIDE DIS- SOLVED (MG/L AS CO2)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)
OCT 11...	1.5	14	0	11	4.5	3.0	8.8

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	PCB, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDD, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- AZINON, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- ELDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DNRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ETHION, 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)
OCT 11...	0	.0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0

DATE	LINDANE TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	MALA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	METH- OXY- CHLOR, TOT. IN BOT- TOM MA- TERIAL (UG/KG)	METHYL PARA- THION, TOT. IN BOT- TOM MA- TERIAL (UG/KG)	METHYL TRI- THION, TOT. IN BOT- TOM MA- TERIAL (UG/KG)	PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	TOXA- PHENE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	TRI- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	2,4-D, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	2,4,5-T TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	SILVEX, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
OCT 11...	.0	.0	.0	.0	.0	.0	0	.0	0	0	.0

PASCAGOULA RIVER BASIN

02475000 LEAF RIVER NEAR McLAIN, MS

LOCATION.--Lat 31°06'10", long 88°48'30", in SE¼ sec.29, T.2 N., R.8 W., St. Stephens Meridian, Greene County, on downstream side of right main pier of bridge on U.S. Highway 98, 1.2 mi (1.9 km) east of McLain, 2 mi (3 km) downstream from Atkinson Creek, 6 mi (10 km) upstream from Big Oktibee Creek, and 14.6 mi (23.5 km) upstream from confluence with Chickasawhay River.

DRAINAGE AREA.--3,510 mi² (9,090 km²), approximately.

PERIOD OF RECORD.--October 1939 to current year. Monthly discharge only for October 1939, published in WSP 1304.

GAGE.--Water-stage recorder. Datum of gage is 42.15 ft (12.847 m) National Geodetic Vertical Datum of 1929. Prior to Sept. 8, 1940, nonrecording gage at same site and datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--40 years, 5,382 ft³/s (152.4 m³/s), 20.82 in/yr (529 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 128,000 ft³/s (3,620 m³/s) Feb. 26, 1961, gage height, 31.64 ft (9.644 m); minimum, 478 ft³/s (13.5 m³/s) Oct. 22, 1963; minimum gage height, 1.78 ft (0.543 m) Oct. 28, 29; Nov. 1, 2, 1968.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in April 1900 reached a stage of about 32 ft (9.8 m), from information by local residents.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 61,900 ft³/s (1,750 m³/s) Apr. 6, gage height, 25.75 ft (7.849 m); minimum, 670 ft³/s (19.0 m³/s) Nov. 2, 3, 4, 5, 6; gage height, 2.26 ft (0.689 m).

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	953	686	2100	2310	17900	35100	4500	13600	7950	1470	4800	2210
2	907	681	2130	7410	15300	32200	4410	9940	7150	1450	4300	2050
3	879	671	1990	6240	13500	31500	12900	7090	6800	1410	4780	2150
4	834	671	1740	5170	14100	39700	39200	5640	6210	1420	4850	2280
5	801	676	2080	4620	15200	44600	56900	6080	6050	1330	3910	2930
6	780	676	2460	3830	17500	48600	60500	6940	6600	1250	3100	2830
7	759	701	2730	3590	21600	56200	51900	8610	6620	1710	2980	2580
8	748	807	2390	4460	23300	58100	41600	9590	8680	2680	2600	2310
9	737	840	2190	5030	23700	56000	33500	8870	8620	3860	2180	2060
10	732	901	2600	5400	22900	50500	25300	6900	7450	3830	1980	1870
11	727	918	3390	5360	20600	41600	18100	5280	6030	4900	1890	1760
12	727	862	3410	4810	16900	28600	12400	4530	4300	8590	2310	1690
13	727	823	3110	3590	12500	18100	10100	4950	3440	8120	2590	11700
14	727	807	2530	2810	9290	12300	8790	7590	2980	8030	2620	20000
15	717	801	2010	2490	6900	9920	8340	7460	2690	7810	2470	18000
16	717	796	1710	2280	5850	8510	10000	5560	2340	8830	2190	16000
17	706	818	1580	2110	5240	7410	11900	4560	2090	8760	1990	13200
18	706	834	1500	1980	6200	6640	12000	3800	1910	6380	1850	10900
19	717	829	1430	1980	11900	6120	8050	3130	1770	7290	1740	8820
20	717	867	1370	5420	13800	5720	6060	2730	1660	9080	1660	7280
21	717	896	1340	18000	15500	5400	5080	2490	1590	7460	1640	9500
22	717	856	1320	20600	15900	5230	4640	2340	1530	7500	1860	13700
23	711	829	1320	21600	14800	9080	4830	2310	1490	7200	3710	14600
24	711	812	1380	23200	19500	10700	15300	2450	1480	7200	4260	14300
25	706	801	1430	24300	25400	10000	20800	2490	1610	8800	4370	14100
26	706	796	1400	25200	28900	9160	22900	2540	1570	10000	4920	12900
27	696	930	1440	26300	32900	8350	22900	2730	1780	12000	4980	8970
28	696	1410	1420	26200	35300	6850	20100	2720	1730	13000	4070	6920
29	691	1510	1330	24800	---	5560	16800	2280	1650	10000	3230	5250
30	686	1920	1310	23400	---	4880	15600	2300	1580	8000	2850	4180
31	691	---	1420	21200	---	4540	---	5090	---	6000	2450	---
TOTAL	23046	26425	59560	335690	482380	677170	585400	162590	117370	195360	95130	237040
MEAN	743	881	1921	10830	17230	21840	19510	5245	3912	6302	3069	7901
MAX	953	1920	3410	26300	35300	58100	60500	13600	8680	13000	4980	20000
MIN	686	671	1310	1980	5240	4540	4410	2280	1480	1250	1640	1690
CFSM	.21	.25	.55	3.09	4.91	6.22	5.56	1.49	1.12	1.80	.87	2.25
IN.	.24	.28	.63	3.56	5.11	7.18	6.20	1.72	1.24	2.07	1.01	2.51
CAL YR 1978 TOTAL	1485908		MEAN	4071	MAX	21500	MIN	671	CFSM	1.16	IN	15.75
WTR YR 1979 TOTAL	2997161		MEAN	8211	MAX	60500	MIN	671	CFSM	2.34	IN	31.76

PASCAGOULA RIVER BASIN

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02475500 CHUNKY RIVER NEAR CHUNKY, MS

LOCATION.--Lat 32°19'35", long 88°54'35", in SE¼SW¼ sec.30, T.6 N., R.14 E., Choctaw Meridian, Lauderdale County, Hydrologic Unit 03170001, on right bank at downstream side of bridge on U.S. Highway 80, 2,500 ft (762 m) upstream from Illinois Central Railroad bridge, 1.2 mi (1.9 km) east of Chunky, 3.2 mi (5.1 km) upstream from Tallahatta Creek, and 5.5 mi (8.8 km) downstream from Concobona Creek.

DRAINAGE AREA.--368 mi² (953 km²).

PERIOD OF RECORD.--August 1938 to current year. Prior to October 1963, published as Chunky Creek near Chunky.

REVISED RECORDS.--WSP 1724: 1950(M).

GAGE.--Water-stage recorder. Datum of gage is 269.00 ft (81.991 m) National Geodetic Vertical Datum of 1929. Prior to Mar. 24, 1939, nonrecording gage at same site and datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--41 years, 489 ft³/s (13.85 m³/s), 18.05 in/yr (458 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 40,900 ft³/s (1,160 m³/s) Mar. 4, 1979; gage height, 26.64 ft (8.120 m); minimum, 1.6 ft³/s (0.45 m³/s) Sept. 28-30, 1954; minimum gage height, 2.08 ft (0.634 m) Oct. 21, 22, 1963.

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

Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)	Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
Jan. 22	0500	9460 268	17.85 5.441	Mar. 4	1700	*40900 1160	26.64 8.120
Feb. 25	1700	9490 269	17.88 5.450	Apr. 14	0100	36100 1020	26.17 7.977

Minimum discharge, 11 ft³/s (0.31 m³/s) Oct. 7, 8, 9, gage height, 2.22 ft (0.677 m).

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14	18	168	645	1170	1120	233	233	330	77	164	215
2	10	112	1080	717	1550	1550	482	210	450	70	168	141
3	13	23	84	756	705	2930	1840	201	904	67	474	124
4	14	23	166	376	1200	26400	2950	353	909	62	842	141
5	12	23	366	245	1300	19100	4420	1250	349	58	412	141
6	12	23	270	227	1010	5680	3900	1170	409	56	190	109
7	11	27	138	1860	1740	2490	1840	542	564	270	156	88
8	11	35	115	1980	2070	1230	1070	330	296	974	134	76
9	15	42	470	2070	1920	949	2120	259	194	875	147	67
10	25	36	954	1140	900	774	2460	215	154	1780	160	61
11	17	35	491	524	587	801	1920	185	373	3210	117	57
12	13	32	215	356	495	783	1280	185	478	2320	139	53
13	12	32	151	314	431	625	16600	722	243	2240	164	1020
14	13	30	125	311	383	533	25000	450	154	1680	120	2210
15	13	31	111	278	359	422	8120	251	124	1020	94	2480
16	13	29	105	230	330	414	3160	179	108	512	80	1900
17	13	32	105	208	296	380	1340	147	100	323	71	516
18	14	34	103	246	900	356	801	124	93	243	66	293
19	14	60	96	262	1490	436	635	114	85	206	61	248
20	16	68	96	1920	1550	311	529	108	80	201	58	317
21	16	44	105	4330	1370	293	470	100	75	380	55	1970
22	17	38	152	8440	739	287	427	96	72	630	51	3000
23	17	35	156	4500	871	994	435	160	72	1010	66	3660
24	16	35	130	2850	2260	994	564	279	114	692	90	1910
25	17	39	188	2670	7960	592	752	1200	363	450	81	491
26	18	35	175	2320	6400	370	640	449	199	761	86	330
27	18	41	138	1550	3330	302	507	218	129	675	281	273
28	17	58	117	1920	1380	264	431	170	105	640	1220	240
29	17	19	106	1500	---	248	314	166	90	491	1080	210
30	18	156	105	833	---	233	262	578	81	270	512	183
31	18	---	188	1070	---	227	---	722	---	201	218	---
TOTAL	464	1211	5454	47411	43813	72050	85507	12050	7704	22444	7565	22524
Avg	15.1	40.4	192	1524	1565	2324	2850	389	257	724	244	751
Max	20	156	954	8440	7960	26400	25000	1250	909	5210	1220	3660
Min	11	14	84	206	266	267	233	96	72	56	51	53
CS	.00	.11	.52	4.16	4.25	6.32	7.75	1.06	.70	1.97	.66	2.04
CS	.05	.12	.60	4.79	4.43	7.28	8.64	1.22	.78	2.27	.70	2.28
Cal Yr 1978	TOTAL	117661	166432	848	3120	218	11	CS	2.88	14	11.89	
Cal Yr 1979	TOTAL	324702	268004	848	26400	218	11	CS	2.95	14	33.23	

PASCAGOULA RIVER BASIN

02476500 SOWASHEE CREEK AT MERIDIAN, MS

LOCATION.--Lat 32°22'10", long 88°40'40", in NE¼ sec.17, T.6 N., R.16 E., Choctaw Meridian, Lauderdale County, Hydrologic Unit 03170001, near right bank on upstream side of bridge on U.S. Highway 45, 0.6 mi (1.0 km) downstream from Southern Railway System bridge, and 9.5 mi (15.3 km) upstream from mouth.

DRAINAGE AREA.--51.9 mi² (134.4 km²).

PERIOD OF RECORD.--October 1950 to current year.

GAGE.--Water-stage recorder. Datum of gage is 305.95 ft (93.254 m) National Geodetic Vertical Datum of 1929. Prior to Nov. 13, 1959, water-stage recorder and nonrecording gage at site 0.4 mi (0.6 km) upstream at datum 3.00 ft (0.914 m) higher.

REMARKS.--Records good except for periods of missing or doubtful gage-height record June 6 to July 5 and those of unstable stage-discharge relation, Oct. 1 to Nov. 30, which are fair.

AVERAGE DISCHARGE.--29 years, 64.7 ft³/s (1.832 m³/s), 16.93 in/yr (430 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 9,530 ft³/s (270 m³/s) Apr. 6, 1964, gage height, 20.95 ft (6.386 m), present site and datum; maximum gage height, 22.98 ft (7.004 m) Mar. 4, 1979; minimum discharge, 0.20 ft³/s (0.006 m³/s) Oct. 4, 1954, and at times during July, August, September 1957.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since at least 1900, 29.5 ft (8.99 m) in February 1936, at site 0.6 mi (1.0 km) upstream at present datum, from information by Southern Railway Company. Flood of Mar. 31, 1949, reached a stage of 26.6 ft (8.11 m), at site 0.6 mi (1.0 km) upstream at present datum, from information by Southern Railway Company. Flood of Apr. 8, 1938, reached a stage of 26 ft (7.9 m) at site 0.4 mi (0.6 km) upstream at present datum, from information by National Weather Service. The flood of Feb. 21, 1961, reached a stage 6.7 ft (2.04 m) lower than that of the flood in February 1936, at site 0.6 mi (1.0 km) upstream.

EXTREMES FOR CURRENT YEAR.--Peaks above base of 1,300 ft³/s (36.8 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s)	(m ³ /s)	Gage height (ft)	(m)	Date	Time	Discharge (ft ³ /s)	(m ³ /s)	Gage height (ft)	(m)
Feb. 24	1300	1970	55.8	14.30	4.359	Apr. 4	1300	1620	45.9	13.35	4.069
Mar. 4	0200	*7380	209	22.98	7.004	Apr. 13	0730	7270	206	22.87	6.971

Minimum daily discharge, 1.3 ft³/s (0.037 m³/s) Oct. 8,12.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.2	2.0	4.4	20	6.8	181	30	49	31	7.0	25	10
2	2.1	2.3	2.8	32	5.7	116	239	47	38	6.2	28	11
3	2.2	2.6	3.0	18	15.2	2230	830	52	60	5.6	20	28
4	2.2	2.7	8.2	14	16.6	3380	1270	141	46	5.0	60	14
5	2.0	3.0	31	13	10.1	333	275	141	31	10	33	10
6	1.7	3.6	9.7	26	271	180	186	80	39	25	17	9.0
7	1.5	3.4	5.6	137	354	137	154	63	45	49	11	9.2
8	1.3	2.8	05	64	138	129	430	61	26	53	10	7.4
9	1.5	2.6	116	28	97	100	536	50	19	87	9.3	6.4
10	1.0	2.6	19	22	74	93	201	42	17	38	8.9	5.4
11	1.4	4.5	10	19	64	108	162	40	18	87	8.6	4.5
12	1.3	2.0	7.1	18	55	79	572	118	16	76	33	45
13	1.0	2.2	6.1	19	50	71	4050	347	14	186	19	1670
14	1.7	2.3	6.1	17	46	66	540	108	13	100	11	000
15	1.6	2.4	5.8	10	45	52	224	66	11	84	8.6	120
16	1.6	2.0	8.0	13	40	45	173	47	10	37	6.9	135
17	1.6	2.1	8.7	13	38	42	146	36	9.2	26	6.4	150
18	1.7	1.9	7.7	14	555	40	125	30	8.4	24	6.9	100
19	1.7	2.1	7.7	28	201	38	113	26	7.7	22	4.5	90
20	1.6	2.2	8.3	850	133	34	106	24	7.1	36	4.5	350
21	1.6	2.1	19	540	135	33	100	21	6.8	63	4.5	900
22	1.5	2.1	13	115	90	37	100	21	6.6	39	3.2	196
23	1.8	2.0	10	213	297	129	105	116	32	46	4.9	102
24	1.7	2.2	30	328	1560	65	122	97	100	69	6.1	73
25	1.7	2.3	18	99	396	42	141	37	40	95	7.6	56
26	1.5	2.7	13	115	170	34	103	25	13	86	32	49
27	1.7	3.3	10	251	124	30	84	21	12	65	18	46
28	1.7	2.3	10	115	102	27	69	19	10	38	8.6	40
29	1.7	4.7	9.4	76	---	25	61	61	9.0	31	7.6	34
30	1.7	13	13	80	---	24	55	125	8.0	29	7.9	31
31	1.5	---	27	109	---	25	---	46	---	26	8.6	---
TOTAL	52.0	88.0	566.9	3424	5579	7925	11302	2161	703.8	1590.8	440.6	4702.2
MEAN	1.68	2.93	18.3	110	199	256	377	69.7	23.5	51.3	14.2	157
MAX	2.2	13	116	850	1560	3380	4050	347	100	186	60	1670
MIN	1.3	1.9	2.8	13	38	24	30	19	6.6	5.0	3.2	4.5
CFSM	.03	.06	.35	2.12	3.83	4.93	7.26	1.34	.45	.99	.27	3.03
IN.	.04	.06	.41	2.45	4.00	5.68	8.10	1.55	.50	1.14	.32	3.37
CAL YR 1978	TOTAL	16180.0	MEAN	44.3	MAX	922	MIN	1.3	CFSM	.85	IN	11.60
WTR YR 1979	TOTAL	38535.3	MEAN	106	MAX	4050	MIN	1.3	CFSM	2.04	IN	27.62

PASCAGOULA RIVER BASIN

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02476600 OKATIBBEE CREEK AT ARUNDEL, MS

LOCATION.--Lat 32°17'55", long 88°45'15", in SE¼SW¼ sec.3, T.5 N., R.15 E., Choctaw Meridian, Lauderdale County, Hydrologic Unit 03170001, on right bank, 100 ft (30 m) downstream from Hognose Creek, 400 ft (120 m) upstream from bridge on county road, 0.6 mi (1.0 km) southeast of Arundel, and at mi 16.3 (26.2 km).

DRAINAGE AREA.--342 mi² (886 km²).

PERIOD OF RECORD.--October 1968 to current year. Daily mean gage heights published since October 1971.

GAGE.--Water-stage recorder. Datum of gage is 259.04 ft (78.955 m) National Geodetic Vertical Datum of 1929 (Corps of Engineers bench mark). Prior to Apr. 17, 1975, supplementary water-stage recorder at bridge 400 ft (120 m) downstream at same datum.

REMARKS.--Records fair. Flow from 154 mi² (399 km²) above the station, regulated by Okatibbee Lake, 21.3 mi (34.3 km) upstream.

COOPERATION.--Five discharge measurements were furnished by Corps of Engineers.

AVERAGE DISCHARGE.--11 years, 552 ft³/s (15.63 m³/s), 21.92 in/yr (557 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 20,500 ft³/s (581 m³/s) Apr. 13, 1979, gage height, 21.51 ft (6.556 m); minimum daily, 20 ft³/s (0.57 m³/s) Oct. 5, 26, 1968.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in 1961 reached a stage of 22.2 ft (6.77 m) at county road bridge 400 ft (120 m) downstream (from information by Corps of Engineers).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 20,500 ft³/s (580 m³/s) Apr. 13, gage height, 21.51 ft (6.556 m); minimum, 22 ft³/s (0.62 m³/s) Nov. 4, gage height 2.02 ft (0.616 m).

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	101	52	48	118	1270	1760	673	1530	275	137	583	128
2	97	38	34	154	1210	1640	770	1510	237	135	646	135
3	79	25	29	208	1230	3220	2170	1510	316	134	779	186
4	56	24	304	245	1510	13500	3500	1600	325	133	386	149
5	54	25	219	233	1490	5350	3030	1500	251	132	253	135
6	56	25	91	272	1440	3080	1650	1340	291	210	223	125
7	54	40	57	601	1810	2580	1290	1460	237	331	213	121
8	53	27	102	744	1490	2330	1570	1490	209	409	203	118
9	51	25	522	595	1280	2160	2720	1470	193	338	169	114
10	53	26	186	689	1340	2040	1640	1450	184	558	148	114
11	54	26	220	677	1370	2030	1090	1430	178	821	150	111
12	54	26	334	671	1370	1940	1610	1360	173	904	282	111
13	55	25	334	669	1350	1860	9360	1820	166	880	167	1630
14	56	25	331	661	1320	1810	8040	1860	160	1060	148	2880
15	55	25	186	646	1290	1750	3410	1590	155	770	140	855
16	54	26	81	404	1280	1690	2640	1500	151	585	137	332
17	54	26	69	224	1250	1650	2240	1440	150	545	135	278
18	54	27	59	200	1670	1620	2040	1420	146	524	133	407
19	53	25	56	231	2100	1600	1930	1310	144	502	130	539
20	54	25	54	1580	1070	1570	1860	1110	141	554	130	486
21	54	25	95	2700	970	1550	1800	1040	138	659	132	1830
22	53	24	78	1940	1040	1450	1760	808	138	581	131	1430
23	52	24	65	1100	1120	1320	1750	601	180	530	133	665
24	52	24	112	1660	2570	1320	1780	515	237	659	135	736
25	52	23	99	1390	3450	1460	1850	341	302	828	161	710
26	52	23	76	951	2530	1530	1780	267	171	853	197	681
27	51	55	65	1160	1930	1540	1700	235	152	855	140	663
28	51	37	58	1190	1780	1520	1630	219	146	725	267	652
29	50	108	53	1110	---	1500	1590	331	142	663	194	389
30	50	95	67	1130	---	1480	1560	626	139	626	148	239
31	50	---	119	1280	---	1300	---	323	---	601	133	---
TOTAL	1764	1001	4203	25433	43530	71150	70433	35006	5827	17242	6926	16949
MEAN	56.9	33.4	136	820	1555	2295	2348	1129	194	556	223	565
MAX	101	108	522	2700	3450	13500	9360	1860	325	1060	779	2880
MIN	50	23	29	118	970	1300	673	219	138	132	130	111
CFSM	.17	.10	.40	2.40	4.55	6.71	6.87	3.30	.57	1.63	.65	1.65
IN.	.19	.11	.46	2.77	4.73	7.74	7.66	3.81	.63	1.88	.75	1.84
CAL YR 1978	TOTAL	132735	MEAN 364	MAX 3180	MIN 23	CFSM 1.06	IN 14.44					
WTR YR 1979	TOTAL	299464	MEAN 820	MAX 13500	MIN 23	CFSM 2.40	IN 32.57					

02476600 OKATIBBEE CREEK AT ARUNDEL, MS--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.15	2.54	2.46	3.33	9.46	11.12	6.93	10.36	4.82	3.57	6.35	3.43
2	3.14	2.31	2.25	3.68	9.22	10.73	7.30	10.29	4.52	3.54	6.69	3.50
3	2.94	2.08	2.16	4.12	9.28	13.09	12.36	10.41	5.12	3.52	7.36	3.95
4	2.63	2.05	4.69	4.43	10.29	20.24	15.77	10.59	5.21	3.51	5.32	3.63
5	2.61	2.07	4.18	4.34	10.21	17.41	14.65	10.24	4.63	3.49	4.49	3.50
6	2.63	2.07	3.03	4.62	10.03	14.84	10.76	9.68	4.95	4.07	4.26	3.40
7	2.60	2.35	2.61	6.51	11.30	13.54	9.49	10.11	4.53	5.05	4.18	3.36
8	2.57	2.12	2.94	7.26	10.21	12.85	10.42	10.22	4.29	5.51	4.10	3.33
9	2.54	2.08	6.11	6.54	9.49	12.34	13.92	10.16	4.14	5.08	3.80	3.29
10	2.56	2.09	3.95	7.02	9.69	11.98	10.54	10.08	4.05	6.03	3.61	3.29
11	2.57	2.09	4.19	6.96	9.82	11.96	8.75	10.01	4.00	7.05	3.64	3.26
12	2.57	2.09	5.05	6.93	9.79	11.66	10.53	9.76	3.96	7.16	4.65	3.26
13	2.58	2.07	5.05	6.92	9.72	11.45	19.23	11.30	3.89	6.98	3.80	9.76
14	2.60	2.08	5.03	6.88	9.61	11.29	18.59	11.42	3.82	7.89	3.62	14.52
15	2.58	2.08	3.91	6.81	9.53	11.09	15.58	10.55	3.78	6.68	3.55	7.66
16	2.57	2.09	2.92	5.44	9.47	10.91	13.71	10.25	3.74	5.82	3.52	5.18
17	2.56	2.10	2.77	4.27	9.35	10.78	12.59	10.07	3.72	5.64	3.50	4.84
18	2.56	2.11	2.64	4.08	10.78	10.68	12.01	9.97	3.68	5.56	3.48	5.87
19	2.55	2.07	2.60	4.29	12.17	10.59	11.67	9.62	3.67	5.48	3.45	6.66
20	2.56	2.08	2.56	10.05	8.73	10.50	11.42	8.90	3.64	5.77	3.45	6.46
21	2.56	2.07	3.06	13.85	8.41	10.43	11.25	8.63	3.61	6.36	3.47	11.24
22	2.55	2.06	2.88	11.66	8.78	10.08	11.12	7.68	3.60	6.00	3.46	9.89
23	2.54	2.06	2.71	8.79	9.01	9.64	11.10	6.64	3.97	5.77	3.48	7.26
24	2.53	2.05	3.22	10.78	13.52	9.62	11.20	6.53	4.56	6.46	3.50	7.55
25	2.53	2.04	3.12	9.83	15.72	10.14	11.41	5.28	5.05	7.27	3.69	7.43
26	2.53	2.04	2.86	8.19	13.39	10.36	11.19	4.74	3.95	7.43	4.02	7.50
27	2.52	2.58	2.71	9.02	11.66	10.39	10.92	4.48	3.76	7.47	3.55	7.21
28	2.52	2.29	2.62	9.15	11.19	10.34	10.70	4.35	3.69	6.92	4.52	7.15
29	2.51	3.01	2.55	8.84	---	10.26	10.57	5.07	3.65	6.65	4.02	5.75
30	2.50	3.05	2.73	8.94	---	10.18	10.45	6.86	3.60	6.50	3.62	4.58
31	2.51	---	3.34	9.49	---	9.51	---	5.17	---	6.41	3.48	---
MEAN	2.61	2.20	3.32	7.19	10.35	11.61	11.87	8.69	4.12	5.83	4.12	5.91
MAX	3.15	3.05	6.11	13.85	15.72	20.24	19.23	11.42	5.21	7.89	7.36	14.32
MIN	2.50	2.04	2.16	3.33	6.41	9.51	6.93	4.35	3.60	3.49	3.45	3.26
CAL YR 1978	MEAN	4.58	MAX	15.10	MIN	2.04						
WTR YR 1979	MEAN	6.46	MAX	20.24	MIN	2.04						

PASCAGOULA RIVER BASIN

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02477000 CHICKASAWHAY RIVER AT ENTERPRISE, MS

LOCATION.--Lat 32°10'30", long 88°49'15", in SE¼NW¼ sec.24, T.4 N., R.14 E., Choctaw Meridian, Clarke County, Hydrologic Unit 03170002, on right bank at downstream side of bridge on State Highway 513 in Enterprise, 0.5 mi (0.8 km) downstream from confluence of Chunky River and Okatibbee Creek, and at mile 158.2 (254.5 km).

DRAINAGE AREA.--913 mi² (2,365 km²).

PERIOD OF RECORD.--August 1938 to current year. Daily mean gage heights published since January 1972. Gage-height records collected at same site since 1904 are contained in reports of National Weather Service.

REVISED RECORDS.--WSP 1334: 1953. WRD Miss. 1966: 1965.

GAGE.--Water-stage recorder. Datum of gage is 207.62 ft (63.283 m) National Geodetic Vertical Datum of 1929. Prior to Jan. 6, 1939, National Weather Service nonrecording gage. Prior to Oct. 1, 1966, at datum 5.00 ft (1.524 m) higher.

REMARKS.--Records good.

AVERAGE DISCHARGE.--41 years, 1,235 ft³/s (34.98 m³/s), 18.37 in/yr (467 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 61,700 ft³/s (1,750 m³/s) Feb. 23, 1961, gage height, 42.94 ft (13.088 m), present datum; minimum, 18 ft³/s (0.51 m³/s) Sept. 25-30, 1954, Oct. 22-25, 1963; minimum gage height, 3.95 ft (1.204 m) present datum, Oct. 13-20, 23, 24, 1952, Aug. 30, 1957.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in April 1900 reached a stage of 42.2 ft (12.86 m) present datum, from floodmark (from reports of National Weather Service).

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 10,000 ft³/s (283 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)	Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
Jan. 23	0130	10500 297	26.17 7.977	Mar. 5	0700	49700 1410	41.88 12.765
Feb. 26	1230	12600 357	28.07 8.553	Apr. 14	1800	*49800 1410	41.90 12.771

Minimum discharge, 62 ft³/s (1.76 m³/s) Nov. 4, 5; minimum observed gage height, 4.19 ft (1.277 m) Nov. 6.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	138	84	309	683	2740	4180	1390	1660	1060	290	831	473
2	134	86	226	1220	2300	3880	1540	1610	915	277	896	417
3	132	73	172	1130	2230	9460	5280	1540	1260	265	1240	426
4	104	63	415	775	3180	23500	8350	1730	1530	257	1340	450
5	92	63	766	581	3260	45300	9430	3130	992	248	973	415
6	92	61	476	565	3040	24900	8700	3040	967	247	574	353
7	87	77	296	1270	4080	10600	5610	2430	1030	468	487	313
8	86	111	307	3040	4420	5570	3840	2300	797	1720	455	284
9	86	52	971	2980	3760	4510	5120	1730	592	1440	478	263
10	81	96	1340	2220	2880	3820	5480	1830	503	2140	446	250
11	106	89	858	1400	2310	3430	4340	1790	554	3980	403	238
12	94	81	650	1160	2150	3240	3350	1750	771	4060	520	230
13	87	82	540	1080	2030	2950	10600	2210	607	3190	489	2580
14	84	80	494	1050	1930	2770	40800	2250	459	3020	407	5320
15	86	78	417	981	1860	2640	32400	2140	398	2440	352	4910
16	89	82	263	787	1800	2520	13900	1850	369	1390	317	5060
17	80	79	238	492	1710	2420	6330	1710	348	1000	297	1430
18	83	91	219	471	3270	2360	4090	1630	334	849	284	1010
19	86	89	208	523	5000	2310	3700	1570	319	762	270	1070
20	83	110	202	3490	4080	2250	3100	1390	304	750	260	1090
21	82	104	234	8050	3210	2210	2800	1260	293	986	257	3790
22	87	96	282	9740	2480	2170	2660	1130	290	1210	274	5150
23	84	53	291	10100	2670	2410	2590	883	313	1510	275	4890
24	87	53	280	8130	7760	2810	2720	1680	441	1550	299	4050
25	85	54	349	5840	10200	2530	2900	1840	753	1340	297	1800
26	84	53	349	4670	12300	2310	2920	1140	572	1660	365	1340
27	80	115	285	4640	9720	2200	2720	705	413	1790	400	1220
28	83	138	241	4150	5350	2140	2520	582	353	1480	1320	1150
29	84	222	219	3240	---	2090	2310	549	326	1310	1430	980
30	80	343	230	2500	---	2040	1890	1740	308	1080	1000	661
31	80	---	313	2690	---	1980	---	1430	---	905	501	---
TOTAL	2837	3056	12040	89648	112120	187500	203780	52269	18171	43614	17737	89613
MEAN	91.5	102	401	2892	4004	6048	6793	1686	606	1407	572	1654
MAX	138	343	1340	10100	12300	45300	40800	3130	1530	4060	1430	5320
MIN	81	61	172	471	1710	1980	1390	549	290	247	257	230
CFSD	.11	.11	.04	3.17	4.39	6.62	7.44	1.85	.66	1.54	.63	1.81
TC	.12	.12	.51	3.65	4.57	7.69	8.30	2.13	.74	1.78	.72	2.02
EARLY 1978	TOTAL	511396	MEAN	853	MAX	7740	MIN	61	CFSD	.93	TC	12.69
LATE 1979	TOTAL	752785	MEAN	2172	MAX	45300	MIN	61	CFSD	2.38	TC	32.30

PASCAGOULA RIVER BASIN

02477000 CHICKASAWHAY RIVER AT ENTERPRISE, MS--Continued

WAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.83	---	5.94	7.53	13.18	16.79	9.62	10.91	9.23	6.29	8.53	7.19
2	4.81	---	5.45	4.19	11.97	16.09	10.01	10.78	8.80	6.22	8.72	6.90
3	4.80	---	5.09	8.93	11.77	23.94	19.15	10.60	9.85	6.15	9.80	6.97
4	4.51	---	6.38	7.86	14.34	34.42	23.58	11.10	10.58	6.10	10.06	7.09
5	---	---	7.83	7.17	14.53	41.16	24.93	14.40	9.02	6.05	8.95	6.43
6	---	---	6.73	7.11	13.95	35.14	23.98	14.18	8.96	6.04	7.58	6.63
7	---	---	5.86	4.25	17.48	25.97	19.79	12.72	9.16	7.14	7.20	6.42
8	---	---	5.87	13.96	17.37	19.81	15.98	12.42	8.42	11.07	7.04	6.26
9	---	---	8.48	13.82	15.76	17.56	18.95	11.10	7.68	10.34	7.11	6.10
10	---	---	9.56	11.73	13.54	15.93	19.73	11.34	7.32	12.08	6.99	6.06
11	---	---	8.13	9.65	11.99	14.98	17.17	11.23	7.51	16.30	6.79	5.40
12	---	---	7.43	4.03	11.54	14.48	14.74	11.14	8.35	16.47	7.38	5.94
13	---	---	7.01	8.82	11.23	13.74	25.51	12.20	7.73	14.54	7.18	12.75
14	---	---	6.82	8.71	10.98	13.25	39.94	12.30	7.13	14.13	6.83	19.08
15	---	---	6.47	8.52	10.81	12.90	37.92	12.05	6.85	12.73	6.55	18.24
16	---	---	5.67	7.48	10.64	12.57	28.85	11.39	6.71	10.20	6.39	14.21
17	---	---	5.53	6.81	10.42	12.31	20.95	11.05	6.60	9.06	6.28	10.33
18	---	---	5.41	6.72	14.44	12.14	17.53	10.85	6.53	8.59	6.22	9.11
19	---	---	5.30	6.44	18.69	11.98	15.70	10.68	6.45	8.30	6.15	9.29
20	---	4.69	5.30	14.72	16.54	11.82	14.32	10.22	6.37	8.25	6.09	9.36
21	---	4.63	5.50	23.25	14.40	11.70	13.60	9.86	6.31	9.02	6.08	15.79
22	---	4.55	5.79	25.30	12.47	11.60	13.25	9.47	6.28	9.68	6.18	18.73
23	---	4.52	5.84	25.74	12.94	12.28	13.04	8.70	6.41	10.52	6.20	18.21
24	---	4.52	5.78	23.35	22.70	13.37	13.40	10.96	7.04	10.63	6.33	16.43
25	---	4.52	6.14	26.40	25.88	12.61	13.85	11.46	8.24	10.08	6.33	11.28
26	---	4.53	6.14	17.93	27.80	11.97	13.90	9.48	7.59	10.91	6.68	10.06
27	---	4.73	5.40	17.87	25.19	11.68	13.40	8.10	6.91	11.23	6.85	9.73
28	---	4.88	5.55	16.72	19.30	11.51	12.92	7.64	6.63	10.45	9.95	9.54
29	---	5.39	5.41	14.48	---	11.38	12.45	7.51	6.49	10.00	10.30	8.98
30	---	6.12	5.88	12.52	---	11.26	11.49	11.12	6.39	9.29	9.03	7.94
31	---	---	5.95	13.03	---	11.09	---	10.31	---	8.77	7.31	---
TOTAL	---	---	193.62	394.94	431.87	507.43	549.68	337.27	227.52	306.63	229.08	307.62
MEAN	---	---	6.25	12.74	15.42	16.37	18.32	10.88	7.58	9.89	7.39	10.25
MAX	---	---	9.50	25.74	27.80	41.16	39.94	14.40	10.58	16.47	10.30	19.08
MIN	---	---	5.09	6.72	10.42	11.09	9.62	7.51	6.28	6.04	6.08	5.94

PASCAGOULA RIVER BASIN

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02477350 CHICKASAWHAY RIVER AT SHUBUTA, MS

LOCATION.--Lat 31°50'55", long 88°41'24", in SE¼ sec.9, T.10 N., R.7 W., St. Stephens Meridian, Clarke County, Hydrologic Unit 03170002, at bridge on U.S. Highway 45, 1 mi (1.6 km) southeast of Shubuta and at mile 113.4 (182.5 km).

DRAINAGE AREA.--1,460 mi² (3,780 km²), from National Weather Service.

PERIOD OF RECORD.--January 1972 to current year (gage heights only); 1905 to 1961 annual maximum observed gage heights and discharge. Gage height records collected in the vicinity October 1904 to December 1971 (seasonal gage heights only January 1906 to December 1923) are contained in reports of National Weather Service.

GAGE.--Nonrecording gage. Datum of gage is 147.30 ft (44.897 m) National Geodetic Vertical Datum of 1929. Prior to Mar. 13, 1940, at site 3,500 ft (1,070 m) upstream at datum 3.87 ft (1.180 m) higher.

REMARKS.--Records furnished by National Weather Service.

EXTREMES FOR PERIOD OF RECORD.--1905 to 1961: Maximum discharge, 86,000 ft³/s (2,440 m³/s) Dec. 11, 1919 (gage height, 44.3 ft or 13.50 m, former site and datum, 47.2 ft or 14.39 m at present site and datum). 1904 to current year: Maximum gage height, 47.2 ft (14.39 m) Dec. 11, 1919; minimum since January 1972, 3.10 ft (0.945 m) Sept. 17, 18, 1972.

EXTREMES FOR CURRENT YEAR.--Maximum observed, 41.74 ft (12.722 m) Mar. 7; minimum observed, 2.63 ft (0.802 m) Oct. 13.

REVISION.--The maximum observed gage height for water year 1978 has been revised to 22.04 ft (6.718 m) May 10, superseding figure previously published.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
INSTANTANEOUS OBSERVATIONS AT 0700

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.98	2.64	5.32	4.87	---	25.46	---	---	9.57	4.07	6.43	5.97
2	2.96	2.65	5.02	5.90	---	24.15	8.33	---	9.83	3.95	6.17	4.62
3	2.96	2.65	4.09	6.26	---	26.84	16.73	---	10.21	3.87	5.93	4.76
4	2.97	2.83	3.88	6.90	---	35.63	27.55	9.16	8.68	3.77	5.89	4.87
5	2.95	3.15	3.60	6.67	---	35.16	28.63	11.02	8.21	3.72	6.32	4.61
6	2.94	3.11	6.51	6.92	---	36.30	25.82	---	8.71	3.66	6.82	4.33
7	2.74	3.14	5.60	7.17	19.10	41.74	---	---	8.84	4.02	6.12	4.18
8	2.68	---	4.75	8.04	---	40.51	---	---	8.88	7.64	5.22	4.02
9	2.67	---	5.25	11.01	18.02	36.62	23.37	---	7.62	9.73	4.56	3.98
10	2.66	---	6.81	12.64	---	---	---	---	6.28	9.21	4.48	3.94
11	2.66	---	8.79	9.85	---	---	---	9.62	5.51	10.54	4.33	3.71
12	2.65	---	7.45	8.15	---	20.14	---	---	4.97	14.68	4.51	3.58
13	2.63	---	5.92	---	---	---	15.35	---	4.63	14.84	4.72	18.67
14	2.65	---	5.41	---	---	---	18.27	6.67	4.71	13.35	5.98	21.12
15	2.66	---	5.00	---	---	---	22.44	---	4.98	12.42	4.43	19.66
16	2.64	---	4.60	---	---	11.97	30.59	---	4.72	11.24	4.27	17.14
17	2.66	---	4.32	---	---	---	37.31	---	4.50	9.76	3.98	15.57
18	2.66	---	4.07	---	---	---	35.82	8.80	4.39	7.26	3.86	13.87
19	2.65	---	4.00	---	---	---	32.15	---	4.36	6.34	3.80	7.49
20	2.65	---	3.85	---	---	---	27.22	---	4.34	5.87	3.72	4.63
21	2.65	---	3.65	---	---	---	---	7.91	4.31	6.79	3.70	10.54
22	2.65	---	3.95	---	---	---	---	---	4.00	8.12	3.70	17.44
23	2.65	---	4.03	---	---	11.24	12.05	---	4.00	7.98	3.72	17.07
24	2.66	---	4.19	23.31	21.20	---	12.42	---	4.42	7.94	3.83	16.73
25	2.66	---	4.28	---	25.02	---	---	---	7.20	9.23	3.95	16.37
26	2.65	---	4.40	24.44	24.23	11.64	---	---	7.41	9.54	4.09	11.42
27	2.64	---	4.22	---	---	---	13.50	---	4.97	10.62	4.07	8.55
28	2.65	3.28	4.14	---	25.46	---	---	---	4.63	9.67	4.38	6.89
29	2.65	3.45	4.04	20.50	---	---	---	---	4.32	8.90	4.71	6.87
30	2.64	4.23	4.29	---	---	9.10	11.01	5.51	4.29	8.14	5.34	6.85
31	---	---	4.08	---	---	---	---	7.42	---	7.56	6.75	---
2 F 1979	---	---	4.82	---	---	---	---	---	6.12	8.21	4.83	9.67
3 F 1979	---	---	8.79	---	---	---	---	---	10.21	14.84	6.82	21.12
4 F 1979	---	---	3.60	---	---	---	---	---	4.00	3.68	3.70	3.58

PASCAGOULA RIVER BASIN

02477492 CHICKASAWHAY RIVER AT WOODWARDS, MS

LOCATION.--Lat 31°41'43", long 88°40'12", in NW¼ sec.2, T.8 N., R.7 W., St. Stephens Meridian, Wayne County, Hydrologic Unit 03170002, at downstream side of bridge on county road, 0.4 mi (0.6 km) west of Woodward, and 2.1 mi (3.4 km) northwest of intersection of U.S. Highways 45 and 84 in Waynesboro, and at mile 94.6 (152.2 km).

DRAINAGE AREA.--1660 mi² (4299 km²), approximately.

PERIOD OF RECORD.--Water years 1978 to current year.

REMARKS.--Stream discharge determined from 8:00 a.m. gage height on day of sample collection.

COOPERATION.--8:00 a.m. gage heights furnished by National Weather Service.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	STREAM- FLOW, INSTANT- ANFLOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE, WATFR (DEG C)	COLOR (PLAT- INUM COBALT UNITS)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)
OCT											
11...	1300	EP0	135	6.8	18.5	30	5.0	8.5	K26	.16	.00
NOV											
22...	0800	116	183	7.3	15.0	40	5.0	9.8	K49	.27	.01
DEC											
13...	1330	1430	130	6.5	10.0	65	40	8.9	450	.28	.01
JAN											
10...	1400	3080	85	6.8	8.0	80	78	10.6	980	.18	.04
FEB											
13...	1300	3140	90	6.8	9.0	40	40	8.3	K1600	.18	.01
MAR											
28...	1100	2710	80	6.5	15.0	60	35	9.5	K110	.11	.02
APR											
24...	1200	3580	81	6.7	18.0	80	40	8.4	K900	.14	.01
MAY											
08...	1300	3760	73	6.9	19.5	120	40	7.9	1100	.20	.02
JUN											
13...	1330	980	125	7.1	24.0	60	15	7.8	120	.36	.01
JUL											
12...	1600	4220	80	6.0	25.0	100	55	6.9	900	.17	.03
AUG											
10...	1230	682	117	7.5	29.0	60	20	6.8	300	.36	.01
SEP											
27...	1300	2910	83	6.9	22.0	60	30	6.1	K19	.14	.02

DATE	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, ORTHOPH- OSPHATE TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)	SEDI- MENT, SUS- PENDED (MG/L)	SEDI- MENT DIS- CHARGE, SUS- PENDED (T/DAY)
OCT											
11...	.16	.01	.37	.38	.54	2.4	.080	.06	4.3	16	5.4
NOV											
22...	.28	.03	.35	.38	.66	2.9	.040	.05	5.8	26	8.1
DEC											
13...	.29	.08	.55	.63	.92	4.1	.120	.04	6.9	83	320
JAN											
10...	.22	.11	.26	.37	.59	2.6	.190	.04	10	172	1430
FEB											
13...	.19	.08	.24	.32	.51	2.3	.070	.02	5.0	54	458
MAR											
28...	.13	.02	.40	.42	.55	2.4	.060	.01	5.7	104	761
APR											
24...	.15	.05	.28	.33	.48	2.1	.060	.02	8.1	142	1370
MAY											
08...	.22	.05	.82	.87	1.1	4.8	.090	.03	6.2	274	2780
JUN											
13...	.37	.02	.35	.37	.74	3.3	.130	.07	5.7	59	156
JUL											
12...	.20	.05	.82	.87	1.1	4.7	.140	.04	9.0	143	1630
AUG											
10...	.37	.02	.23	.25	.62	2.7	.080	.04	6.1	28	52
SEP											
27...	.16	.04	.63	.67	.83	3.7	.070	.01	7.9	62	487

PASCAGOULA RIVER BASIN

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02477492 CHICKASAWHAY RIVER AT WOODWARDS, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	HARD- NESS (MG/L AS CACO3)	HARD- NESS, NONCAR- BONATE (MG/L AS CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM AD- SORP- TION RATIO
OCT 11...	36	0	11	2.0	12	40	.9

DATE	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	BICAR- BONATE (MG/L AS HCO3)	CAR- BONATE (MG/L AS CO3)	ALKA- LINITY (MG/L AS CACO3)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)
OCT 11...	2.2	43	0	35	11	8.4	16

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	PCB, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDD, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- AZINON, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- ELDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ETHION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR EPOXIDE TOT. IN BOT- TOM MA- TERIAL (UG/KG)
OCT 11...	0	.0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0

DATE	LINDANE TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	MALA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	METH- CXY- CHLOR, TOT. IN BOT- TOM MA- TERIAL (UG/KG)	METHYL PARA- THION, TOT. IN BOT- TOM MA- TERIAL (UG/KG)	METHYL TRI- THION, TOT. IN BOT- TOM MA- TERIAL (UG/KG)	PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	TOXA- PHENE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	TRI- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	2,4-D, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	2,4,5-T TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	SILVEX, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
OCT 11...	.0	.0	.0	.0	.0	.0	0	.0	0	0	.0

PASCAGOULA RIVER BASIN

02477500 CHICKASAWHAY RIVER NEAR WAYNESBORO, MS

LOCATION.--Lat 31°40'46", long 88°41'00", in NW¼ sec.10, T.8 N., R.7 W., St. Stephens Meridian, Wayne County, Hydrologic Unit 03170002, on right bank 18 ft (5.5 m) downstream from bridge on U.S. Highway 84, 2 mi (3 km) west of Waynesboro, and at mile 93.2 (150 km).

DRAINAGE AREA.--1,660 mi² (4,300 km²), approximately.

PERIOD OF RECORD.--September 1938 to September 1950; January 1972 to current year (gage heights only). Gage-height records collected at same site January 1947 to December 1971 are contained in reports of National Weather Service.

GAGE.--Nonrecording gage and telemark gage. Datum of gage is 119.91 ft (36.549 m) Mississippi State Highway Department datum. September 1938 to May 4, 1939, wire-weight gage and May 5, 1939, to September 1950, water-stage recorders, at present site and datum.

REMARKS.--Records furnished by National Weather Service.

AVERAGE DISCHARGE.--12 years (1938-50), 2,575 ft³/s (72.9 m³/s), 21.06 in/yr (535 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--1938-1950: Maximum discharge, 26,000 ft³/s (736 m³/s) Jan. 24, 1947 (gage height, 39.00 ft or 11.887 m); minimum, 149 ft³/s (4.22 m³/s) Aug. 28, 1943 (gage height, 2.48 ft or 0.756 m). 1947 to current year: Maximum gage height, 47.90 ft (14.600 m) Feb. 26, 1961 (discharge, 58,300 ft³/s or 1,651 m³/s); minimum since January 1972, 0.80 ft (0.244 m) Oct. 15, 16, 17, 1976.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of April 1900 reached a stage of 51.5 ft (15.70 m) at site 1.3 mi (2.1 km) upstream, at datum 2.95 ft (0.899 m) higher and about 50 ft (15.2 m) at present site and datum (discharge about 73,000 ft³/s or 2,070 m³/s).

EXTREMES FOR CURRENT YEAR.--Maximum observed, 42.07 ft (12.822 m) Mar. 8, minimum observed, 1.83 ft (0.558 m) Oct. 21.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR (OCTOBER 1978 TO SEPTEMBER 1979)
INSTANTANEOUS OBSERVATIONS AT 0700

LAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.41	1.85	2.91	3.79	15.66	25.11	10.59	11.42	10.33	4.48	7.89	6.10
2	2.41	1.85	3.85	6.11	14.37	25.15	10.07	10.94	10.50	4.31	7.17	6.94
3	2.38	1.85	4.15	8.19	13.26	23.52	17.32	10.63	8.88	4.24	6.93	8.83
4	2.34	1.85	4.62	8.46	13.07	32.29	30.03	10.47	8.74	4.07	6.85	8.60
5	2.32	1.91	3.49	7.72	14.27	37.12	30.79	11.19	9.82	4.00	7.56	7.18
6	2.27	2.00	4.41	6.66	15.48	36.00	28.76	13.59	10.11	3.88	8.13	6.82
7	2.16	2.21	5.22	5.92	18.54	36.65	26.16	14.46	9.96	4.95	7.07	6.46
8	2.16	2.27	5.41	6.05	19.74	42.07	24.94	13.74	9.76	4.65	6.05	6.15
9	1.98	2.31	5.17	8.94	19.68	40.75	20.74	12.19	9.28	8.59	5.58	5.84
10	1.93	2.35	5.28	12.09	18.52	36.93	23.08	11.11	7.69	10.73	5.27	5.45
11	1.89	2.38	8.45	11.93	17.25	32.61	20.04	10.56	7.23	10.61	5.03	5.33
12	1.87	2.39	8.32	10.08	14.95	27.18	14.06	10.34	6.54	10.84	4.95	5.16
13	1.88	2.39	7.75	8.33	12.25	22.70	17.77	10.07	6.30	15.34	5.02	---
14	1.93	2.37	5.89	7.52	11.28	15.31	16.63	10.00	6.35	14.58	5.21	---
15	1.94	2.37	5.32	7.16	10.87	10.13	19.61	11.57	6.00	13.37	5.33	23.33
16	1.91	2.38	4.96	6.94	10.57	13.37	24.40	11.48	5.50	12.70	5.15	20.23
17	1.87	2.35	4.71	6.71	10.30	12.80	30.88	10.31	5.14	11.09	4.77	18.38
18	1.86	2.31	4.30	6.25	10.11	12.36	35.83	9.76	4.91	9.04	4.42	15.32
19	1.85	2.27	4.02	5.59	16.45	12.05	34.89	9.32	4.73	7.78	4.18	10.50
20	1.84	2.26	3.79	5.27	16.71	11.78	31.70	9.08	4.58	7.14	4.02	9.55
21	1.83	2.25	3.57	15.99	18.91	11.57	26.60	8.84	4.45	6.99	3.91	11.03
22	1.84	2.25	3.50	19.49	18.91	11.36	17.31	8.41	4.34	7.25	3.83	17.57
23	1.84	2.27	3.52	20.11	18.14	12.49	13.02	8.09	4.27	8.64	3.90	19.71
24	1.85	2.27	3.63	20.79	18.51	13.43	13.33	7.79	4.23	8.49	5.47	18.71
25	1.87	2.27	3.74	23.01	23.98	13.58	14.35	7.29	7.70	9.93	5.62	18.35
26	1.87	2.27	3.79	23.70	24.86	13.12	14.57	9.85	7.58	11.07	6.14	16.92
27	1.87	2.22	3.88	24.30	24.15	11.86	14.45	9.28	6.87	11.00	6.09	11.70
28	1.88	2.29	3.97	23.90	24.35	11.21	14.13	7.34	5.64	11.24	6.12	10.41
29	1.88	2.39	3.99	22.70	---	10.87	13.07	6.38	4.94	10.68	6.41	9.88
30	1.87	2.55	3.87	20.02	---	10.65	12.13	6.08	4.67	8.14	8.45	9.50
31	1.86	---	3.77	17.18	---	10.52	---	7.37	---	8.66	9.28	---
MEAN	1.99	2.23	4.62	12.29	16.69	20.73	21.01	9.97	6.90	8.79	5.86	---
MAX	2.41	2.55	8.45	24.30	24.86	42.07	35.83	14.46	10.50	15.34	9.28	---
MIN	1.83	1.85	2.91	3.79	10.11	10.52	10.07	6.08	4.23	3.86	3.83	---

PASCAGOULA RIVER BASIN

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02477990 BUCKATUNNA CREEK NEAR DENHAM, MS

LOCATION.--Lat 31°41'38", long 88°31'10", in NE¼ sec.6, T.8 N., R.5 W., St. Stephens Meridian, Wayne County, Hydrologic Unit 03170002, on right bank on downstream side of bridge on county road, 2.7 mi (4.3 km) north of Denham, and 8.7 mi (14.0 km) east of Waynesboro.

DRAINAGE AREA.--490 mi² (1,270 km²), approximately.

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

GAGE.--Water-stage recorder. Datum of gage is 141.15 ft (43.023 m) National Geodetic Vertical Datum of 1929. Prior to water year 1975, at datum 3.94 ft (1.201 m) lower.

REMARKS.--Records good.

AVERAGE DISCHARGE.--7 years, 895 ft³/s (25.35 m³/s), 24.80 in/yr (630 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 12,200 ft³/s (346 m³/s) Mar. 6, 1979, gage height, 34.90 ft (10.638 m), minimum, 7.8 ft³/s (0.22 m³/s) Sept. 21-22, 1972, gage height, 3.92 ft (1.195 m).

EXTREMES FOR CURRENT YEAR.--Peaks above base of 4,000 ft³/s (113 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)	Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
Feb. 24	2100	4770 135	21.85 6.660	Apr. 4	1530	11400 323	33.28 10.144
Mar. 6	2330	*12200 346	34.90 10.638	Sept. 14	0430	4370 124	20.67 6.300

Minimum discharge, 14 ft³/s (0.40 m³/s) Oct. 18, 19, 31, Nov. 1-3, 4, 6, gage height, 3.98 ft (1.213 m).

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	23	14	62	125	1760	2930	552	562	473	135	408	87
2	22	14	88	755	1360	2650	611	506	1110	116	327	82
3	22	14	119	678	1230	2890	5500	464	1400	127	284	124
4	22	14	116	635	1570	7520	10500	453	834	95	224	96
5	22	14	122	476	1520	7310	9080	621	526	85	189	88
6	22	14	93	331	2190	11300	7570	796	578	90	224	180
7	20	15	140	368	3150	11700	6300	808	825	152	194	160
8	19	16	170	390	2810	9290	5380	690	652	188	160	124
9	18	18	149	451	2300	6470	4880	558	473	1050	144	103
10	17	18	122	516	1900	4630	4110	478	352	1100	146	90
11	16	18	388	397	1690	3290	3240	435	295	976	128	81
12	16	18	496	296	1330	1940	2380	430	208	1460	157	75
13	16	25	316	250	899	1420	2020	510	172	1290	136	2820
14	16	24	183	228	755	1220	1850	597	149	1010	120	4150
15	15	22	136	214	676	1050	1640	722	133	909	130	3340
16	17	22	124	202	611	921	1730	587	124	683	132	3100
17	14	25	117	183	560	839	2090	437	117	546	122	3050
18	14	30	108	164	1250	777	2520	345	114	512	112	3030
19	14	26	101	152	2060	729	2440	291	101	417	106	3080
20	14	23	101	1100	1800	686	1370	248	93	439	98	2410
21	15	22	103	2620	1960	645	921	221	87	413	95	1280
22	15	22	101	2120	1870	618	815	212	84	676	93	1620
23	15	28	96	1860	2070	1850	762	214	117	813	95	1660
24	15	29	98	2440	4300	1740	890	212	135	906	81	1710
25	15	27	111	2370	4570	1290	1220	188	298	1510	79	1710
26	15	25	112	2430	3750	1160	1190	208	305	2090	88	1750
27	15	34	111	3310	3390	984	1100	233	367	1920	119	1510
28	14	49	112	3080	3110	743	1020	192	329	1620	112	808
29	14	40	116	2520	---	633	842	164	221	1190	104	623
30	14	52	111	2090	---	576	674	186	172	813	104	538
31	14	---	108	1940	---	548	---	192	---	540	93	---
TOTAL	520	712	4430	34691	56241	90349	85197	12760	10844	23873	4604	39459
MEAN	16.8	23.7	143	1119	2009	2914	2840	412	361	770	149	1315
MAX	23	52	496	3310	4370	11700	10500	808	1400	2090	808	4130
MIN	14	14	62	125	560	548	552	164	84	85	79	75
CFSM	.03	.05	.29	2.28	4.10	5.95	5.80	.84	.74	1.57	.30	2.68
IN.	.04	.05	.34	2.63	4.27	6.86	6.47	.97	.82	1.81	.35	3.00
CAL YR 1978 TOTAL	169195	MEAN 464	MAX 3530	MIN 14	CFSM .95	IN 12.84						
WTR YR 1979 TOTAL	363680	MEAN 996	MAX 11700	MIN 14	CFSM 2.03	IN 27.61						

PASCAGOULA RIVER BASIN

02478500 CHICKASAWHAY RIVER AT LEAKESVILLE, MS

LOCATION.--Lat 31°08'54", long 88°33'52", in SW¼ sec.12, T.2 N., R.6 W., St. Stephens Meridian, Greene County, Hydrologic Unit 03170003, on left bank at downstream side of bridge on State Highway 63, 0.5 mi (0.8 km) southeast of Leaksville, 2 mi (3 km) upstream from Foulk ditch, and 29.1 mi (46.8 km) upstream from confluence with Leaf River.

DRAINAGE AREA.--2,680 mi² (6,940 km²), approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--September 1938 to current year.

REVISED RECORDS.--WSP 1504: 1938-39.

GAGE.--Water-stage recorder. Datum of gage is 51.13 ft (15.584 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to Oct. 19, 1939, nonrecording gage at same site and datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--41 years, 3,839 ft³/s (108.7 m³/s), 19.45 in/yr (494 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 73,600 ft³/s (2,080 m³/s) Feb. 28, 1961, gage height, 33.52 ft (10.217 m); minimum, 160 ft³/s (4.53 m³/s) Oct. 30, 31, 1963, gage height, 6.74 ft (2.054 m).

EXTREMES OUTSIDE PERIOD OF RECORD.--A flood in April 1900 reached a stage of 38 ft (11½ m), and a flood in July 1916 reached a stage of 34.12 ft (10.400 m), discharge, 68,000 ft³/s (1,950 m³/s), from information by Corps of Engineers.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 46,500 ft³/s (1,320 m³/s) Mar. 10, gage height, 30.67 ft (9.348 m); minimum, 305 ft³/s (8.64 m³/s) Nov. 5, gage height, 8.04 ft (2.451 m).

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	514	314	997	1030	11600	16200	4390	5300	3450	1210	2620	1780
2	500	311	1030	3030	9120	17500	4380	4620	3430	1130	2180	1520
3	491	314	1070	3950	7500	20400	8670	4250	4060	1060	2290	1540
4	473	311	1130	3480	7910	32000	24400	4030	3990	1020	2240	2030
5	461	308	1410	3020	8730	35100	35800	4350	3630	984	2110	1920
6	452	311	1450	2500	9960	36500	39600	4970	4150	935	2130	1450
7	440	365	1430	2840	13200	36500	35800	5820	4240	1360	2130	1240
8	422	422	1510	3200	15000	38000	31200	6200	3710	1790	1770	1170
9	401	422	1490	2800	15000	42600	27500	5520	3330	1610	1470	1080
10	389	431	1540	3640	13700	45800	24800	4580	2920	2790	1310	979
11	359	437	1870	4360	11700	44800	23000	4070	2420	4120	1230	904
12	335	446	2400	3980	9610	39300	20500	3710	2480	5850	1390	852
13	341	437	2350	3060	7290	32900	17700	3640	2300	6890	1560	6470
14	341	422	1840	2490	5350	26300	15000	3580	1900	6850	1440	15400
15	341	410	1480	2220	4570	18300	12800	3660	1820	6270	1360	17300
16	341	410	1290	2060	4180	11200	12400	4190	1670	5580	1280	17300
17	341	440	1200	1950	3880	8390	13700	3910	1510	4820	1180	15400
18	341	446	1110	1840	4080	7360	16000	3420	1390	3780	1080	12300
19	341	428	997	1670	6880	6670	19200	3100	1310	3690	1010	9340
20	338	419	907	2100	9640	6170	23000	2920	1250	4330	957	6490
21	338	410	868	8170	11300	5790	25100	2790	1200	3300	962	5640
22	338	407	844	10800	12100	5520	24100	2640	1180	2710	984	6840
23	335	401	824	11500	11900	7200	19300	2570	1080	2770	1020	8660
24	329	407	836	12200	14100	10800	11400	2580	1070	3030	1200	9300
25	326	407	885	13000	17500	10400	8420	2480	1130	4000	1170	8920
26	326	404	925	13700	19100	8460	8240	2330	1650	5410	1330	8400
27	329	458	916	14900	19500	7220	8210	2740	2100	6490	1340	7400
28	326	560	916	16100	19100	6200	7840	2660	1820	5960	1250	5100
29	323	656	925	16600	---	5320	7130	2180	1560	5080	1250	3670
30	320	772	903	16200	---	4810	6150	1900	1350	4080	1260	3050
31	317	---	864	14500	---	4530	---	2270	---	3230	1720	---
TOTAL	11569	12686	38207	202890	303500	600240	535730	112980	69100	112129	46223	183445
MEAN	373	423	1232	6545	10840	19360	17860	3645	2303	3617	1491	6115
MAX	514	772	2400	16600	19500	45800	39600	6200	4240	6890	2620	17300
MIN	317	308	824	1030	3880	4530	4380	1900	1070	935	957	852
CFSM	.14	.16	.46	2.44	4.05	7.22	6.66	1.36	.86	1.35	.56	2.28
IN.	.16	.18	.53	2.82	4.21	8.33	7.44	1.57	.96	1.56	.64	2.55

CAL YR 1978 TOTAL 1054136 MEAN 2888 MAX 16800 MIN 308 CFSM 1.08 IN 14.63
WTR YR 1979 TOTAL 2228699 MEAN 6106 MAX 45800 MIN 308 CFSM 2.28 IN 30.94

PASCAGOULA RIVER BASIN

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02478500 CHICKASAWHAY RIVER AT LEAKESVILLE, MS--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1944-47, 1952, 1958-75, 1978 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE, WATER (DEG C)	COLOR (PLAT- INUM COBALT UNITS)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)
OCT											
11...	1030	371	130	6.7	21.0	30	6.0	--	K11	.10	.00
NOV											
21...	1630	410	120	7.2	19.0	50	6.0	9.3	K6	.11	.01
DEC											
13...	1130	2360	123	6.4	11.0	60	40	9.8	K380	.20	.02
JAN											
11...	1330	4410	100	6.5	7.5	60	75	11.5	2100	.18	.02
FEB											
13...	1500	6770	75	6.6	9.0	50	35	9.7	K75	.12	.01
MAR											
28...	1330	6130	80	6.4	16.0	50	30	9.4	100	.10	.01
APR											
24...	1500	10200	71	6.6	19.0	100	50	7.1	220	.09	.02
MAY											
08...	1500	6200	78	6.6	21.0	90	40	7.8	340	.17	.01
JUN											
13...	1030	2280	79	6.6	25.0	80	35	7.3	780	.19	.01
JUL											
12...	1400	6130	78	5.7	25.0	70	40	7.3	460	.13	.02
AUG											
10...	1015	1320	87	6.8	30.0	65	20	5.8	980	.23	.01
SEP											
27...	1100	7440	65	6.6	22.0	130	30	6.8	230	.05	.01

DATE	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, ORTHOPH- OSPHATE TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)	SEDI- MENT, SUS- PENDED (MG/L)	SEDI- MENT DIS- CHARGE, SUS- PENDED (T/DAY)
OCT											
11...	.10	.02	.29	.31	.41	1.8	.030	.01	4.6	26	26
NOV											
21...	.12	.10	.53	.63	.75	3.3	.030	.02	4.5	21	23
DEC											
13...	.22	.12	.49	.61	.83	3.7	.130	.03	6.9	82	523
JAN											
11...	.20	.10	.16	.26	.46	2.0	.150	.03	8.6	148	1760
FEB											
13...	.13	.03	.80	.83	.96	4.3	.050	.01	5.6	55	1010
MAR											
28...	.11	.01	.39	.40	.51	2.3	.040	.01	8.2	84	1390
APR											
28...	.11	.05	.26	.31	.42	1.9	.050	.01	7.2	154	4240
MAY											
08...	.18	.03	.67	.70	.88	3.9	.040	.02	6.5	113	1890
JUN											
13...	.20	.02	.44	.46	.66	2.9	.060	.01	5.8	46	283
JUL											
12...	.15	.02	.48	.50	.65	2.9	.080	.02	9.6	102	1690
AUG											
10...	.24	.01	.19	.20	.44	1.9	.050	.01	5.7	31	110
SEP											
27...	.06	.03	.70	.73	.79	3.5	.060	.00	11	96	1930

PASCAGOULA RIVER BASIN

02478500 CHICKASAWHAY RIVER AT LEAKESVILLE, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	HARD- NESS (MG/L AS CaCO3)	HARD- NESS, NONCAR- BONATE (MG/L AS CaCO3)	CALCIUM DTS- SOLVED (MG/L AS Ca)	MAGNE- SIUM, DTS- SOLVED (MG/L AS Mg)	SODIUM, DTS- SOLVED (MG/L AS Na)	SODIUM AD- SORP- TION RATIO
OCT 11...	30	4	8.7	1.9	13	47

DATE	POTAS- SIUM, DTS- SOLVED (MG/L AS K)	BICAR- BONATE (MG/L AS HCO3)	CAR- BONATE (MG/L AS CO3)	ALKA- LINITY (MG/L AS CaCO3)	CARBON DIOXIDE DTS- SOLVED (MG/L AS CO2)	SULFATE DTS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DTS- SOLVED (MG/L AS Cl)
OCT 11...	1.6	31	0	25	9.9	4.9	20

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	PCH, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDD, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- AZINON, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- ELDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ETHION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)
OCT 11...	0	.0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0

DATE	LINDANE TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	MALA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	METH- OXY- CHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARA- THION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRI- THION, TOT. IN BOTTOM MATL. (UG/KG)	PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	TOXA- PHENE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	TRI- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	2,4-D, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	2,4,5-T TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	SILVEX, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
OCT 11...	.0	.0	.0	.0	.0	.0	0	.0	0	0	.0

PASCAGOULA RIVER BASIN

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02479000 PASCAGOULA RIVER AT MERRILL, MS

LOCATION.--Lat 30°58'40", long 88°43'35", in SW¼ sec.18, T.1 S., R.7 W., St. Stephens Meridian, George County, Hydrologic Unit 03170006, near right bank on downstream side of bridge on highway between Merrill and Avent, 0.5 mi (0.8 km) downstream from confluence of Leaf and Chickasawhay Rivers, 0.5 mi (0.8 km) west of Merrill, and at mile 80.8 (130 km).

DRAINAGE AREA.--6,600 mi² (17,100 km²), approximately.

PERIOD OF RECORD.--October 1930 to current year. Monthly discharge only for October and November 1930, published in WSP 1304. Daily mean gage heights published since January 1972. Gage-height records collected in same vicinity since 1904 are contained in reports of National Weather Service.

GAGE.--Water-stage recorder. Datum of gage is 26.25 ft (8.001 m) National Geodetic Vertical Datum of 1929. Prior to Dec. 6, 1934, nonrecording gage at same site and datum.

REMARKS.--Records good. Records of chemical analyses for the current year at site 13.8 mi (22.2 km) downstream (station 02479020).

AVERAGE DISCHARGE.--49 years, 9,812 ft³/s (277.9 m³/s), 20.19 in/yr (513 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 178,000 ft³/s (5,040 m³/s) Feb. 27, 1961, gage height, 30.66 ft (9.345 m); minimum, 696 ft³/s (19.7 m³/s) Nov. 3, 1936; minimum gage height, 1.92 ft (0.585 m) Oct. 21-26, 1963.

EXTREMES OUTSIDE PERIOD OF RECORD.--A flood in April 1900 reached a stage of 32.5 ft (9.91 m), and the flood of July 9, 1916, reached a stage of 31.0 ft (9.45 m), from information by National Weather Service.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 93,300 ft³/s (2,640 m³/s) Apr. 6, gage height, 25.57 ft (7.794 m); minimum, 1,060 ft³/s (30.0 m³/s) Nov. 3, 4, 5, 6, 7, gage height, 2.51 ft (0.765 m).

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1760	1090	3620	3500	41800	57300	10100	21500	10500	3210	8210	4480
2	1670	1070	3770	9850	35600	56100	9900	17200	10600	3000	6570	4230
3	1610	1060	3770	12500	29100	58600	14900	13300	10800	2850	7080	4060
4	1540	1060	3750	10700	25400	73500	39900	11000	10800	2780	7950	4360
5	1470	1060	4730	9330	26000	81600	75500	10900	10100	2650	7220	5140
6	1410	1060	4930	8120	28800	81100	90200	12000	10900	2520	6040	5020
7	1370	1080	5040	8750	34500	85000	90000	13600	11200	2550	5720	4360
8	1330	1180	4860	10300	40100	88700	79300	15200	12100	4420	5310	3870
9	1300	1280	4580	9610	43000	90000	70100	15400	12300	5500	4450	3490
10	1270	1320	5040	9650	43900	90300	62600	13200	11100	6090	3870	3120
11	1250	1380	5740	10400	42200	88000	53600	10800	9360	8360	3580	2840
12	1240	1360	6320	10400	37500	80600	44300	9580	7460	12800	3800	2650
13	1230	1320	6450	8750	30000	69300	37500	9240	6490	15000	4530	16500
14	1210	1280	5760	6890	21700	55500	32100	10600	5540	15100	4580	32900
15	1190	1260	4690	5900	15300	44500	26900	11700	5030	15100	4340	36300
16	1180	1240	4010	5350	12300	35100	23800	10300	4580	15000	3940	35700
17	1160	1260	3710	4960	11000	25500	23400	9480	4110	15500	3590	33400
18	1150	1350	3540	4670	11000	17900	24500	8370	3740	12800	3300	29800
19	1140	1370	3310	4450	17300	14500	23500	7340	3480	10700	3050	24600
20	1150	1350	3100	5380	21800	13100	23000	6610	3290	13900	2860	18900
21	1140	1360	2970	18800	25600	12300	24800	6150	3100	13000	2780	15700
22	1140	1330	2910	27400	28700	11800	27500	5830	2960	11600	2930	19100
23	1140	1280	2840	31500	29900	15800	28600	5780	2890	11200	4620	21300
24	1140	1260	2870	35400	33900	20200	31800	5940	2900	10200	5120	22600
25	1140	1250	2960	38800	42700	20900	33900	5830	3120	13300	5840	22700
26	1130	1250	3000	41300	49000	19900	33000	5550	3220	16600	6330	22100
27	1120	1410	3010	43600	53600	17600	33100	5730	3920	19600	6800	19000
28	1110	2050	3000	46000	56400	15000	32200	6120	4150	19700	6230	15100
29	1110	2590	2900	46700	---	12700	28600	5440	3850	18200	5210	11400
30	1090	3030	2860	46500	---	11200	24600	4800	3550	13600	4940	8910
31	1090	---	2890	45100	---	10400	---	6020	---	10400	4450	---
TOTAL	38980	41240	122930	580560	888100	1374000	1153200	300510	197140	327230	155240	453630
MEAN	1257	1375	3965	18730	31720	44320	38440	9694	6571	10560	5008	15120
MAX	1760	3030	6450	46700	56400	90300	90200	21500	12300	19700	8210	36300
MIN	1090	1060	2840	3500	11000	10400	9900	4800	2890	2520	2780	2650
CFSM	.19	.21	.60	2.84	4.81	6.72	5.82	1.47	1.00	1.60	.76	2.29
IN.	.22	.23	.69	3.27	5.01	7.74	6.50	1.69	1.11	1.84	.87	2.56

CAL YR 1978 TOTAL 2840430 MEAN 7782 MAX 40200 MIN 1060 CFSM 1.18 IN 16.01

WTR YR 1979 TOTAL 5632760 MEAN 15430 MAX 90300 MIN 1060 CFSM 2.34 IN 31.75

PASCAGOULA RIVER BASIN

02479000 PASCAGOULA RIVER AT MERRILL, MS--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.41	2.55	4.86	4.73	20.66	22.73	9.70	15.25	10.33	5.31	8.86	6.21
2	3.30	2.53	4.99	9.06	19.40	22.62	9.61	13.39	10.42	5.11	7.78	6.01
3	3.23	2.52	4.99	10.70	17.76	22.85	12.13	11.47	10.53	4.96	8.13	5.87
4	3.14	2.51	4.98	9.66	16.65	24.13	19.99	10.29	10.49	4.89	8.69	6.11
5	3.06	2.52	5.78	8.85	16.83	24.76	24.27	10.25	10.12	4.77	8.21	6.72
6	2.99	2.52	5.93	8.10	17.67	24.72	25.36	10.86	10.58	4.63	7.40	6.62
7	2.93	2.54	6.01	8.48	19.15	25.00	25.35	11.71	10.74	4.66	7.16	6.10
8	2.88	2.68	5.87	9.46	20.32	25.26	24.59	12.52	11.17	6.30	6.86	5.71
9	2.84	2.82	5.65	9.02	20.91	25.35	23.87	12.61	11.32	7.14	6.19	5.38
10	2.80	2.87	6.01	9.04	21.07	25.37	23.22	11.53	10.67	7.56	5.70	5.05
11	2.78	2.95	6.53	9.52	20.75	25.21	22.36	10.30	9.71	9.05	5.46	4.78
12	2.76	2.92	6.94	9.53	19.81	24.67	21.10	9.62	8.58	11.46	5.65	4.60
13	2.75	2.87	7.03	8.54	18.00	23.79	19.80	9.45	7.93	12.54	6.25	12.66
14	2.72	2.82	6.54	7.38	15.28	22.55	18.57	10.25	7.25	12.58	6.29	19.17
15	2.69	2.79	5.74	6.71	12.49	21.13	17.11	10.86	6.87	12.61	6.10	19.96
16	2.68	2.76	5.19	6.34	10.97	19.26	16.11	10.12	6.52	12.55	5.77	19.83
17	2.66	2.79	4.93	6.08	10.22	16.61	15.97	9.65	6.13	12.75	5.47	19.34
18	2.64	2.91	4.78	5.87	10.24	13.72	16.35	9.03	5.83	11.44	5.21	18.33
19	2.63	2.93	4.58	5.73	13.41	12.09	15.99	8.39	5.60	10.38	4.98	16.74
20	2.64	2.91	4.39	6.40	15.38	11.38	15.81	7.92	5.43	12.00	4.80	14.51
21	2.63	2.92	4.26	13.93	16.69	10.93	16.45	7.62	5.25	11.56	4.72	13.04
22	2.63	2.88	4.20	17.23	17.63	10.65	17.30	7.41	5.13	10.81	4.87	14.63
23	2.62	2.82	4.13	18.41	17.96	12.70	17.60	7.40	5.05	10.62	6.30	15.57
24	2.62	2.79	4.16	19.36	19.00	14.76	18.50	7.53	5.06	10.09	6.71	16.06
25	2.62	2.77	4.25	20.07	20.81	15.04	19.07	7.45	5.26	11.70	7.24	16.10
26	2.61	2.77	4.28	20.57	21.84	14.60	18.83	7.25	5.35	13.26	7.59	15.89
27	2.60	2.98	4.29	21.01	22.37	13.55	18.86	7.38	5.95	14.58	7.91	14.56
28	2.59	3.73	4.28	21.40	22.65	12.34	18.61	7.66	6.14	14.63	7.51	12.65
29	2.58	4.10	4.19	21.51	---	11.14	17.60	7.17	5.88	13.97	6.78	10.63
30	2.56	4.33	4.15	21.47	---	10.33	16.37	6.68	5.62	11.80	6.57	9.12
31	2.56	---	4.18	21.25	---	9.88	---	7.56	---	10.16	6.19	---
MEAN	2.78	2.89	5.10	12.11	17.71	18.36	18.55	9.57	7.70	9.87	6.56	11.60
MAX	3.41	4.33	7.03	21.51	22.65	25.37	25.36	15.25	11.32	14.63	8.86	19.96
MIN	2.56	2.51	4.13	4.73	10.22	9.88	9.61	6.68	5.05	4.63	4.72	4.60
CAL YR 1978	MEAN	7.30	MAX	20.35	MIN	2.51						
WTH YR 1979	MEAN	10.17	MAX	25.37	MIN	2.51						

PASCAGOULA RIVER BASIN

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02479020 PASCAGOULA RIVER NEAR BENNDALE, MS
(National stream-quality accounting network station)

LOCATION.--Lat 30°52'42", long 88°46'20", on line between secs.15 and 22, T.2 S., R.8 W.,
St. Stephens Meridian, George County, Hydrologic Unit 03170006, on downstream side of
bridge on State Highway 26, 2.1 mi (3.4 km) east of Benndale, and at mile 67.0 (107.8 km).

DRAINAGE AREA.--6,690 mi² (17,300 km²), approximately.

PERIOD OF RECORD.--Water years 1958-60, 1962, 1964-65, 1970 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: August 1958 to September 1960, January 1976 to current year.

WATER TEMPERATURE: August to September 1958, March 1959 to September 1960, January 1976 to current year.

INSTRUMENTATION.--Specific conductance/temperature recorder since January 1976.

REMARKS.--Specific conductance listed as 50 micromhos represent 50 micromhos or less due to instrument
limitations. Interruptions in the record were due to malfunctions of the instrument. Stream discharge
determined 13.8 mi (22.1 km) upstream (station 02479000). In water years 1958-59, 1962-63, and 1966-75,
equivalent data was collected 13.8 mi (22.1 km) upstream (station 02479000). Samples are collected by
a local observer.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily, 581 micromhos Aug. 3, 1960; minimum daily, 30 micromhos June 1,
1959.

WATER TEMPERATURE: Maximum daily, 33.0°C July 1, 15, 21, 1960; minimum daily 3.5°C Nov. 30, Dec. 1,
1959.

EXTREMES OUTSIDE PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 600 micromhos June 24, 1970; minimum, 40 micromhos Jan. 19, 1975.

WATER TEMPERATURE: Maximum, 32.5°C Jul. 2-8, 24, 25, 1977; minimum, 4.0°C Jan. 15, 16, 22, 23, 1978.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE, WATER (DEG C)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCUCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD- NESS (MG/L AS CACO ₃)	HARD- NESS, NONCAR- BONATE (MG/L CACO ₃)
OCT											
06...	1735	1400	111	7.1	21.5	4.0	7.5	180	410	18	0
NOV											
10...	1500	1330	75	6.9	16.0	4.0	8.6	190	390	9	0
DEC											
16...	1500	3910	84	6.6	4.5	20	9.8	840	1160	19	8
JAN											
07...	1600	9660	75	6.9	10.5	20	9.6	240	430	17	9
FEB											
03...	1130	28700	41	5.9	8.0	4.0	9.6	200	310	13	9
MAR											
11...	1530	87100	42	6.9	15.0	40	8.4	350	730	7	0
APR											
08...	1200	79100	35	6.9	16.0	15	8.2	220	530	6	0
MAY											
05...	1700	11400	65	6.9	14.5	10	8.0	140	400	18	2
JUN											
09...	1530	12200	60	6.8	26.0	35	6.8	866	250	15	3
JUL											
14...	1515	15100	60	6.9	25.0	30	6.6	881	310	14	7
AUG											
03...	1500	7370	65	6.8	27.0	20	7.6	894	340	17	6
SEP											
06...	1500	4900	75	7.2	27.5	--	6.8	881	370	--	--

PASCAGOULA RIVER BASIN

02479020 PASCAGOULA RIVER NEAR BENNDALE, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

[illegible][illegible]

PASCAGOULA RIVER BASIN

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02479020 PASCAGOULA RIVER NEAR BENNDAL, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	NITRO- GEN, AM- MONIA + ORGANIC DIS. (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)	PHYTO- PLANK- TON, TOTAL (CELLS PER ML)	SEDI- MENT, SUS- PENDE (MG/L)	SEDI- MENT DIS- CHARGE, SUS- PENDE (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT 06...	.50	.56	2.5	.060	.080	--	11	53	200	81
NOV 10...	.36	.65	2.9	.040	.050	3.9	--	--	--	--
DEC 16...	1.4	1.7	7.6	.070	.020	11	--	54	570	85
JAN 07...	--	.82	3.6	.040	--	--	1200	102	2660	87
FEB 03...	.39	.59	2.6	.060	.060	6.2	--	93	7210	90
MAR 11...	1.2	.55	2.4	.050	.020	11	--	--	--	--
APR 08...	.67	.71	3.1	.030	.010	--	1600	--	--	--
MAY 05...	.33	.62	2.7	.060	.030	--	--	--	--	--
JUN 09...	.71	.74	3.3	.070	.030	9.2	81000	--	--	--
JUL 14...	.82	1.2	5.1	.100	.030	--	4000	190	7750	87
AUG 03...	.50	.76	3.4	.070	.020	11	4500	--	--	--
SEP 06...	--	--	--	--	--	--	--	28	370	--

PASCAGOULA RIVER BASIN

02479020 PASCAGOULA RIVER NEAR BENNDALE, MS--Continued
 WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	ARSENIC TOTAL (UG/L AS AS)	ARSENIC DIS- SOLVED (UG/L AS AS)	BARIUM, TOTAL RECOV- ERABLE (UG/L AS BA)	BARIUM, SUS- PENDED RECOV- ERABLE (UG/L AS BA)	BARIUM, DIS- SOLVED (UG/L AS BA)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CADMIUM SUS- PENDED RECOV- ERABLE (UG/L AS CD)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	CHRO- MIUM, SUS- PENDED RECOV- ERABLE (UG/L AS CR)
OCT 06...	1	1	0	0	0	2	0	7	<10	<8
JAN 07...	1	1	0	0	0	--	--	--	<10	<10
APR 08...	1	1	0	0	0	--	--	--	10	0
JUL 14...	1	1	0	0	--	--	--	--	<10	<0

DATE	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	COPPER, SUS- PENDED RECOV- ERABLE (UG/L AS CU)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, SUS- PENDED RECOV- ERABLE (UG/L AS FE)	IRON, DIS- SOLVED (UG/L AS FE)
OCT 06...	2	0	0	0	6	1	5
JAN 07...	0	1	0	1	3	0	4
APR 08...	10	1	0	1	2	0	4
JUL 14...	<10	2	0	4	15	3	12

DATE	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	LEAD, SUS- PENDED 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- PENDED RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY SUS- PENDED RECOV- ERABLE (UG/L AS HG)	MERCURY DIS- SOLVED (UG/L AS HG)	SELE- NIUM, TOTAL RECOV- ERABLE (UG/L AS SE)
OCT 06...	4	0	5	70	10	60	<.5	.0	<.5	0
JAN 07...	--	--	--	120	60	60	<.5	.0	<.5	0
APR 08...	--	--	--	50	10	40	.5	.0	.5	0
JUL 14...	--	--	--	200	190	7	<.5	<.0	<.5	0

DATE	SELE- NIUM, SUS- PENDED TOTAL (UG/L AS SE)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	SILVER, TOTAL RECOV- ERABLE (UG/L AS AG)	SILVER, SUS- PENDED RECOV- ERABLE (UG/L AS AG)	SILVER, DIS- SOLVED (UG/L AS AG)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	ZINC, SUS- PENDED RECOV- ERABLE (UG/L AS ZN)	ZINC, DIS- SOLVED (UG/L AS ZN)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C)	CARBON, ORGANIC SUS- PENDED (MG/L AS C)
OCT 06...	0	0	1	0	1	40	0	40	--	--
JAN 07...	0	0	0	0	0	20	0	30	9.2	1.8
APR 08...	0	0	0	0	0	40	0	50	--	--
JUL 14...	0	0	0	0	0	50	30	20	--	--

PASCAGOULA RIVER BASIN

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02479020 PASCAGOULA RIVER NEAR BENNDAL, MS--Continued
 PHYTOPLANKTON ANALYSES, OCTOBER 1978 TO AUGUST 1979

DATE TIME	OCT 6,78 1735	JAN 7,79 1600	APR 8,79 1200	JUN 9,79 1530	JUL 14,79 1515	AUG 3,79 1500				
TOTAL CELLS/ML	11	1200	1600	81000	4000	4500				
DIVERSITY: DIVISION	1.3	0.9	1.2	0.9	1.2	1.1				
..CLASS	1.3	0.9	1.2	0.9	1.2	1.1				
..ORDER	1.3	0.9	1.7	1.7	1.6	1.7				
...FAMILY	1.8	1.0	2.6	1.9	2.3	2.1				
....GENUS	1.8	1.8	0.0	2.2	2.7	2.9				
ORGANISM	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT
CHLOROPHYTA (GREEN ALGAE)										
..CHLOROPHYCEAE										
...CHLOROCOCCALES										
....CHARACIACEAE	--	-	--	-	14	1	--	-	--	-
....SCHROEDERIA	--	-	--	-	--	-	--	-	--	-
....COELASTRACEAE	--	-	--	-	--	-	210	5	--	-
....COELASTRUM	--	-	--	-	--	-	--	-	--	-
....MICRACTINIACEAE	--	-	--	-	--	-	--	-	--	-
....GOLENKINIA	--	-	--	-	--	-	--	-	--	-
....MICRACTINIUM	--	-	--	-	160	10	--	-	--	-
....OOCYSTACEAE										
....ANKISTRODESMUS	2#	17	--	-	100	6	1500	2	120	3
....DICTYOSPHAERIUM	--	-	--	-	330#	20	500	1	790#	19
....KIRCHNERIELLA	--	-	--	-	--	-	*	0	*	0
....OOCYSTIS	--	-	--	-	--	-	--	-	52	1
....SELENASTRUM	--	-	--	-	--	-	*	0	100	3
....TETRAEDRON	--	-	--	-	--	-	*	0	--	-
....WESTELLA	--	-	--	-	--	-	--	-	100	3
....SCENEDESMACEAE										
....CRUCIGENIA	--	-	--	-	--	-	1200	1	--	-
....SCENEDESMUS	--	-	160	13	320#	19	7000	9	540	13
....TETRASTRUM	--	-	--	-	--	-	*	0	--	-
..VOLVOCALES										
...CHLAMYDOMONADACEAE	--	-	--	-	58	4	--	-	--	-
...CHLAMYDOMONAS	--	-	*	0	--	-	900	1	26	1
...VOLVOCAEAE	--	-	--	-	--	-	3200	4	--	-
....EUDORINA	--	-	--	-	--	-	--	-	--	-
..ZYGNEMATALES										
...DESMIDIACEAE										
....ARTHRODESMUS	--	-	--	-	14	1	--	-	--	-
CHRYSTOPHYTA										
..BACILLARIOPHYCEAE										
...CENTRALES										
....COSCIINUODISCACEAE										
....CYCLOTELLA	--	-	10	1	--	-	900	1	--	-
....MELOSIRA	--	-	10	1	--	-	800	1	26	1
...PENNALES										
....NAVICULACEAE										
....NAVICULA	5#	50	25	2	--	-	--	-	--	-
....NITZSCHIIACEAE										
....NITZSCHIA	--	-	15	1	29	2	1300	2	52	1
....SIIRIRELLACEAE										
....SIIRIRELLA	--	-	--	-	--	-	--	-	26	1
....TABELLARIACEAE										
....TABELLARIA	2#	17	--	-	--	-	--	-	--	-
..XANTHOPHYCEAE										
...HETEROCOCCEAE										
....CENTRITRACTACEAE										
....CENTRITRACTUS	--	-	--	-	--	-	--	-	--	-
CRYPTOPHYTA (CRYPTOMONADS)										
..CRYPTOPHYCEAE										
...CRYPTOMONADALES										
....CRYPTOMONADACEAE										
....CRYPTOMONAS	--	-	--	-	--	-	*	0	*	0
CYANOPHYTA (BLUE-GREEN ALGAE)										
..CYANOPHYCEAE										
...CHROCOCCOCCALES										
....CHROCOCCOCCACEAE										
....AGHENELLUM	--	-	--	-	--	-	13000#	16	--	-
....ANACYSTIS	--	-	--	-	460#	28	1800	2	400	10
...HORMOGONALES										
....OSCILLATORIACEAE										
....ANTHROSPIRA	--	-	500#	41	--	-	--	-	--	-
....OSCILLATORIA	--	-	500#	41	120	7	48000#	59	1500#	38
....RIVULARIACEAE										
....RIVULARIA	--	-	--	-	--	-	--	-	--	-
....RAPHIDIOPSIS									100	2

NOTE: # - DOMINANT ORGANISM; EQUAL TO OR GREATER THAN 15%

* - OBSERVED ORGANISM, MAY NOT HAVE BEEN COUNTED; LESS THAN 1/2%

PASCAGOULA RIVER BASIN

02479020 PASCAGOULA RIVER NEAR BENNDALE, MS--Continued
 PHYTOPLANKTON ANALYSES, OCTOBER 1978 TO AUGUST 1979

DATE TIME	OCT 6,78 1735		JAN 7,79 1600		APR 8,79 1200		JUN 9,79 1530		JUL 14,79 1515		AUG 3,79 1500	
ORGANISM	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT
EUGLENOPHYTA (EUGLENCIDS)												
..EUGLENOPHYCEAE												
...EUGLENALES												
....EUGLENACEAE												
.....EUGLENA	2#	17	*	0	--	-	--	-	26	1	--	-
.....TRACHELUMONAS	--	-	--	-	43	3	--	-	--	-	--	-
PYRRHOPHYTA (FIRE ALGAE)												
..DINOPHYCEAE												
...PERIDINIALES												
....GLENODINIACEAE												
.....GLENODINIUM	--	-	--	-	--	-	--	-	--	-	*	0

NOTE: # - DOMINANT ORGANISM; EQUAL TO OR GREATER THAN 15%
 * - OBSERVED ORGANISM, MAY NOT HAVE BEEN COUNTED; LESS THAN 1/2%

PASCAGOULA RIVER BASIN

02479020 PASCAGOULA RIVER NEAR BENNDAL, MS--Continued
 SPECIFIC CONDUCTANCE (MICROMHSCM AT 25 DEG. C), WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE				JULY				AUGUST		
1	59	50	57	110	95	104						
2	---	---	---	94	87	90						
3	---	---	---	86	82	84						
4	---	---	---	81	79	80						
5	53	50	52	81	80	81						
6	---	---	---	82	80	81						
7	---	---	---	83	79	81						
8	---	---	---	80	72	76						
9	---	---	---	71	53	65						
10	60	53	56	---	---	---						
11	63	60	61	74	51	60						
12	64	63	63	57	52	55						
13	66	65	66	---	---	---						
14	67	63	65	---	---	---						
15	66	60	62	---	---	---						
16	73	66	69	---	---	---						
17	77	73	75	---	---	---						
18	78	76	77	---	---	---						
19	77	75	76	---	---	---						
20	77	77	77	---	---	---						
21	78	76	76	---	---	---						
22	77	76	77	---	---	---						
23	79	75	77	---	---	---						
24	78	75	76	---	---	---						
25	77	73	75	---	---	---						
26	73	67	70	---	---	---						
27	77	67	72	---	---	---						
28	85	77	80	---	---	---						
29	107	85	90	---	---	---						
30	111	93	100	---	---	---						
31	---	---	---	---	---	---						

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER				NOVEMBER				DECEMBER		
1	22.5	21.5	22.5	21.0	20.0	21.0						
2	22.0	21.0	22.0	21.0	20.0	20.5						
3	22.0	20.5	21.5	20.5	20.0	20.0						
4	21.5	21.0	21.5	20.5	19.0	19.5						
5	22.0	20.5	21.5	19.5	18.0	19.5						
6	22.5	22.0	22.0	19.0	18.0	18.5						
7	22.0	21.5	22.0	19.5	18.0	18.5						
8	21.5	20.5	21.5	19.0	17.5	18.0						
9	21.5	20.0	21.0	17.0	16.0	16.5						
10	21.0	19.5	20.5	16.5	16.0	16.0						
11	21.5	20.0	21.0	---	---	---						
12	22.0	21.0	21.5	---	---	---						
13	22.5	21.0	21.5	---	---	---						
14	22.0	21.0	21.5	---	---	---						
15	21.5	20.5	21.0	---	---	---						
16	21.0	19.5	20.5	---	---	---						
17	20.5	19.5	20.0	---	---	---						
18	20.0	18.5	19.0	---	---	---						
19	19.5	18.5	19.0	---	---	---						
20	19.5	18.5	19.0	---	---	---						
21	19.5	18.5	19.0	---	---	---						
22	20.0	19.0	19.5	---	---	---						
23	20.5	19.5	20.0	---	---	---						
24	21.0	19.0	20.5	---	---	---						
25	21.0	19.5	20.5	---	---	---						
26	21.5	18.5	20.5	---	---	---						
27	21.5	19.5	21.0	---	---	---						
28	21.5	20.5	21.0	---	---	---						
29	21.0	18.5	20.5	---	---	---						
30	21.0	19.5	20.5	---	---	---						
31	21.0	20.0	21.0	---	---	---						

PASCAGOULA RIVER BASIN

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02479020 PASCAGOULA RIVER NEAR BENNDAL, MS--Continued
 TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1							---	---	---	12.5	12.0	12.5
2							---	---	---	13.0	12.5	12.5
3							---	---	---	14.0	13.0	13.5
4							---	---	---	15.0	14.0	14.5
5							---	---	---	14.5	14.5	14.5
6							---	---	---	---	---	---
7							---	---	---	---	---	---
8							16.5	15.5	16.0	---	---	---
9							16.5	15.5	16.0	---	---	---
10							16.0	15.0	15.5	---	---	---
11							15.5	14.5	14.5	---	---	---
12							17.0	14.5	16.0	---	---	---
13							18.0	16.5	17.5	---	---	---
14							17.5	17.0	17.0	---	---	---
15							17.0	16.5	17.0	---	---	---
16							17.0	16.5	16.5	---	---	---
17							17.0	15.0	16.5	---	---	---
18							16.5	15.0	15.5	---	---	---
19							15.5	15.0	15.5	---	---	---
20							15.5	14.5	14.5	---	---	---
21							14.5	13.5	14.0	---	---	---
22							14.5	13.0	13.5	---	---	---
23							15.5	14.0	15.0	---	---	---
24							15.5	14.5	15.0	---	---	---
25							15.5	14.5	14.5	---	---	---
26							14.5	12.5	14.0	---	---	---
27							14.0	13.0	14.0	---	---	---
28							14.0	13.0	13.5	---	---	---
29							13.5	12.5	13.0	---	---	---
30							13.0	12.0	12.5	---	---	---
31							---	---	---	---	---	---
	JUNE			JULY			AUGUST			SEPTEMBER		
1	---	---	---	28.0	25.5	26.5	---	---	---	27.5	27.0	27.5
2	---	---	---	28.0	26.5	27.0	---	---	---	27.5	26.5	27.0
3	---	---	---	28.5	26.5	27.5	---	---	---	26.5	26.0	26.5
4	---	---	---	29.0	27.0	28.0	27.5	27.0	27.5	27.0	26.0	26.5
5	---	---	---	30.0	28.0	27.5	28.0	27.0	27.5	26.5	25.5	26.5
6	---	---	---	30.0	28.5	28.5	28.5	27.5	28.0	27.5	26.5	26.5
7	---	---	---	29.0	27.0	28.0	28.5	27.0	28.0	---	---	---
8	---	---	---	29.5	27.0	28.0	28.5	28.0	28.0	---	---	---
9	---	---	---	27.5	26.5	27.0	28.0	27.5	28.0	---	---	---
10	26.0	24.5	25.5	26.5	25.5	26.0	28.5	27.5	28.0	---	---	---
11	26.0	24.0	25.0	27.0	24.5	27.0	29.5	27.5	28.0	---	---	---
12	24.5	23.5	24.0	24.5	23.0	24.5	28.0	26.0	27.5	---	---	---
13	24.0	22.5	24.5	26.0	22.0	25.0	27.0	26.0	26.5	---	---	---
14	24.0	21.0	23.0	25.5	24.0	25.0	26.5	25.5	26.5	---	---	---
15	24.0	22.5	23.5	---	---	---	27.0	26.0	26.5	---	---	---
16	24.5	22.0	23.5	---	---	---	27.0	25.5	26.5	---	---	---
17	25.0	23.0	25.5	---	---	---	27.0	26.0	27.0	---	---	---
18	25.5	23.5	25.0	---	---	---	27.0	26.5	27.0	---	---	---
19	26.0	24.5	25.5	---	---	---	27.5	26.0	27.0	---	---	---
20	26.5	22.0	25.5	---	---	---	27.0	26.5	27.0	---	---	---
21	26.5	25.0	26.0	---	---	---	27.5	26.0	27.0	---	---	---
22	27.0	25.0	26.0	---	---	---	27.0	25.5	26.5	---	---	---
23	27.5	25.5	26.0	---	---	---	27.0	24.5	26.0	---	---	---
24	27.0	25.5	26.0	---	---	---	25.5	23.5	24.5	---	---	---
25	27.0	25.0	26.5	---	---	---	27.0	21.5	25.5	---	---	---
26	26.5	25.5	26.0	---	---	---	25.5	24.5	25.0	---	---	---
27	26.5	25.0	26.0	---	---	---	25.0	24.5	24.5	---	---	---
28	26.5	25.5	26.0	---	---	---	25.5	24.0	25.0	---	---	---
29	26.0	25.0	25.5	---	---	---	27.0	24.0	25.5	---	---	---
30	27.0	24.5	26.0	---	---	---	28.0	25.0	26.5	---	---	---
31	---	---	---	---	---	---	27.5	26.0	27.0	---	---	---

PASCAGOULA RIVER BASIN

02479130 BLACK CREEK NEAR BROOKLYN, MS

LOCATION.--Lat 31°03'06", long 89°12'16", in NW¼NE¼ sec.16, T.1 N., R.12 W., St. Stephens Meridian, Forrest County, Hydrologic Unit 0317007, at bridge on U.S. Highway 49, 1.1 mi (1.8 km) southwest of Brooklyn, and 4.5 mi (7.2 km) upstream from Chaney Creek.

DRAINAGE AREA.--361 mi² (935 km²).

PERIOD OF RECORD.--Occasional low-flow measurements, water years 1954-57, 1959, 1964-66. October 1970 to current year.

REVISED RECORDS.--WRD Miss. 1971: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 128.14 ft (39.057 m) Mississippi State Highway Department datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--9 years, 730 ft³/s (20.67 m³/s), 27.46 in/yr (697 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 20,500 ft³/s (581 m³/s) Apr. 14, 1974, gage height, 25.32 ft (7.718 m) from floodmark; minimum, 75 ft³/s (2.12 m³/s), Nov. 6, 1978; minimum gage height, 3.62 ft (1.103 m) Aug. 27, 1976.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Feb. 18, 1961, reached a stage of 25.70 ft (7.833 m), discharge, 21,500 ft³/s (609 m³/s).

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

Date	Time	Discharge (ft ³ /s)	(m ³ /s)	Gage height (ft)	(m)	Date	Time	Discharge (ft ³ /s)	(m ³ /s)	Gage height (ft)	(m)
Jan. 21	1130	4990	141	15.46	4.712	Apr. 4	1630	*18300	518	24.60	7.498
Feb. 7	0530	4080	116	13.82	4.212	Apr. 24	1000	4240	120	14.12	4.304
Feb. 24	1730	5810	165	16.85	5.136	Sept. 15	Unknown	5170	146	15.77	4.807
Mar. 4	0430	6010	170	17.17	5.233						

a From floodmark.

Minimum discharge, 75 ft³/s (2.12 m³/s) Nov. 6, gage height, 3.82 ft (1.164 m).

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	154	80	669	802	1090	1270	436	542	641	145	487	400
2	146	78	439	1180	872	1040	459	478	609	145	501	310
3	134	78	370	779	901	2790	4560	450	510	121	1060	360
4	118	80	493	619	1590	5690	15300	625	396	101	582	440
5	110	78	796	501	1720	3970	14000	1030	349	93	456	400
6	105	78	591	442	2960	2660	6770	848	307	84	528	330
7	97	146	478	886	3840	1910	2720	712	329	467	417	350
8	92	233	456	908	2800	1340	1740	644	493	809	388	290
9	93	197	487	692	1980	1060	1410	582	495	841	329	250
10	100	167	516	569	1450	1020	1140	481	417	612	283	230
11	100	143	445	501	1140	1950	970	425	357	841	307	210
12	101	128	385	445	922	1330	851	447	286	1460	837	250
13	100	118	352	436	779	1030	869	634	297	1340	572	800
14	95	113	302	398	705	886	851	545	278	2690	434	2500
15	86	111	286	352	653	768	682	519	203	1550	339	5000
16	113	110	300	327	609	686	579	522	171	988	267	2500
17	135	121	439	314	560	647	510	478	158	718	231	1000
18	137	127	339	322	1320	631	459	334	148	940	201	550
19	139	127	307	359	1630	600	420	281	139	1490	177	420
20	139	132	327	2340	1330	569	398	256	130	1040	177	428
21	137	130	334	4830	1970	533	391	240	123	715	191	1630
22	137	125	342	3380	1360	522	401	218	123	890	220	915
23	120	120	322	2580	1570	1140	1940	295	121	1020	332	772
24	89	120	354	3410	5040	1070	4090	445	118	959	481	705
25	86	120	415	2460	4530	844	3750	436	137	1680	1670	631
26	84	123	357	1670	3780	647	3010	354	175	2490	1640	495
27	86	359	322	2110	2870	533	1840	286	141	2590	1540	447
28	84	782	302	1860	1710	473	1140	238	127	2450	900	417
29	80	609	288	1410	---	442	796	235	116	1650	700	380
30	77	862	324	1150	---	420	631	533	132	1040	560	347
31	78	---	415	1390	---	415	---	689	---	728	540	---
TOTAL	3352	5795	12552	39422	51681	38886	73153	14802	8026	32727	17347	23757
MEAN	108	193	405	1272	1846	1254	2438	477	268	1056	560	792
MAX	154	862	796	4830	5040	5690	15300	1030	641	2690	1670	5000
MIN	77	78	286	314	560	415	391	218	116	84	177	210
CF5M	.30	.54	1.12	3.52	5.11	3.47	6.75	1.32	.74	2.93	1.55	2.19
IN.	.35	.60	1.29	4.06	5.33	4.01	7.54	1.53	.83	3.37	1.79	2.45

CAL YR 1978 TOTAL 199158 MEAN 546 MAX 6410 MIN 77 CF5M 1.51 IN 20.52
WTR YR 1979 TOTAL 321500 MEAN 881 MAX 15300 MIN 77 CF5M 2.44 IN 33.13

PASCAGOULA RIVER BASIN

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02479155 CYPRESS CREEK NEAR JANICE, MS
(Hydrologic bench-mark station)

LOCATION.--Lat 31°01'30", long 89°01'00", in NW¼NE¼ sec.29, T.1 N., R.10 W., St. Stephens Meridian, Perry County, Hydrologic Unit 03170007, on right bank at downstream side of bridge on State Highway 29, 1.2 mi (1.9 km) east of Janice, and 5.5 mi (8.8 km) upstream from mouth.

DRAINAGE AREA.--52.2 mi² (135 km²).

WATER-DISCHARGE RECORDS

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

GAGE.--Water-stage recorder. Altitude of gage is 110 ft or 34 m (from topographic map).

REMARKS.--Records good.

AVERAGE DISCHARGE.--13 years, 97.2 ft³/s (2.75 m³/s), 25.29 in/yr (642 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 12,500 ft³/s (354 m³/s) Apr. 4, 1979, gage height, 28.67 ft (8.739 m); minimum, 4.5 ft³/s (0.13 m³/s) Sept. 2, 3, 1968.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of June 1, 1959, reached a stage of 32.06 ft (9.772 m), discharge, 22,800 ft³/s (646 m³/s).

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 1,200 ft³/s (34 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)	Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
Jan. 2	0800	1600 45.3	15.28 4.657	Apr. 24	0500	2300 65.1	18.57 5.660
Feb. 24	1400	2040 57.8	17.51 5.337	Sept. 13	1830	3220 91.2	20.83 6.349
Mar. 4	0700	4160 118	22.44 6.840	Sept. 21	1830	1590 45.0	15.25 4.648
Apr. 4	0900	*12500 354	28.67 8.739				

Minimum discharge, 8.7 ft³/s (0.25 m³/s) Oct. 21-24, gage height, 5.60 ft (1.707 m).

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16	9.3	40	491	132	128	133	95	74	16	28	23
2	14	9.3	30	1180	95	116	217	87	88	19	39	21
3	11	9.0	33	271	137	1110	2060	83	53	20	331	23
4	11	9.0	80	135	342	2920	7750	105	40	17	152	25
5	10	9.0	139	101	317	485	854	223	32	15	65	22
6	10	9.0	66	86	716	253	325	123	76	14	46	33
7	9.7	14	40	278	440	199	236	90	47	14	31	44
8	9.3	17	34	239	325	171	203	92	30	66	27	43
9	9.3	14	122	115	178	149	186	88	25	87	25	25
10	9.3	13	106	89	135	164	152	66	24	47	23	20
11	9.3	12	54	74	115	393	137	59	26	214	28	17
12	9.7	12	38	76	101	224	129	76	24	305	215	16
13	9.7	10	31	84	92	152	277	77	21	113	116	2390
14	9.3	10	27	72	84	133	242	76	20	192	43	1030
15	9.0	10	26	56	77	116	124	56	20	153	29	206
16	9.0	11	31	49	71	107	95	45	19	82	23	114
17	9.0	20	104	45	65	106	82	39	19	137	20	89
18	9.0	29	58	50	342	101	74	56	19	77	18	78
19	9.0	20	39	60	368	95	71	43	18	69	17	69
20	9.0	16	33	272	193	89	66	39	17	66	16	68
21	8.7	16	36	638	392	86	64	33	17	89	16	1320
22	8.7	16	36	172	214	109	65	33	18	69	18	539
23	8.7	15	31	189	377	852	445	70	18	65	14	153
24	8.7	13	38	530	1750	297	1810	80	19	182	21	95
25	9.1	12	47	205	712	146	502	45	22	614	104	78
26	9.1	15	36	148	256	116	241	30	25	510	251	71
27	9.0	49	29	392	173	102	171	30	20	144	126	65
28	9.3	141	26	214	104	93	136	28	17	104	102	60
29	9.0	58	24	122	---	86	115	28	15	84	58	52
30	8.7	80	29	113	---	82	106	45	16	50	80	44
31	9.0	---	52	218	---	105	---	57	---	36	31	---
TOTAL	299.0	707.6	1515	6760	8843	9326	17108	2077	859	3720	2118	6883
MEAN	9.66	23.6	48.9	218	316	301	570	67.0	28.6	120	68.3	229
MAX	16	141	130	1180	1750	2920	7750	223	76	614	331	2390
MIN	8.7	9.0	24	45	65	83	64	28	15	14	16	16
CF 5%	15	45	94	418	605	577	1049	128	55	230	131	439
CF 1%	21	50	108	442	630	665	1219	148	61	265	151	491
CF 10%	10	20	40	100	150	100	150	100	20	40	20	100
CF 50%	10	20	40	100	150	100	150	100	20	40	20	100
CF 90%	10	20	40	100	150	100	150	100	20	40	20	100
CF 95%	10	20	40	100	150	100	150	100	20	40	20	100
CF 99%	10	20	40	100	150	100	150	100	20	40	20	100
CF 99.5%	10	20	40	100	150	100	150	100	20	40	20	100
CF 99.9%	10	20	40	100	150	100	150	100	20	40	20	100
CF 99.95%	10	20	40	100	150	100	150	100	20	40	20	100
CF 99.99%	10	20	40	100	150	100	150	100	20	40	20	100
CF 99.995%	10	20	40	100	150	100	150	100	20	40	20	100
CF 99.999%	10	20	40	100	150	100	150	100	20	40	20	100
CF 99.9995%	10	20	40	100	150	100	150	100	20	40	20	100
CF 99.9999%	10	20	40	100	150	100	150	100	20	40	20	100
CF 99.99995%	10	20	40	100	150	100	150	100	20	40	20	100
CF 99.99999%	10	20	40	100	150	100	150	100	20	40	20	100
CF 99.999995%	10	20	40	100	150	100	150	100	20	40	20	100
CF 99.999999%	10	20	40	100	150	100	150	100	20	40	20	100
CF 99.9999995%	10	20	40	100	150	100	150	100	20	40	20	100
CF 99.9999999%	10	20	40	100	150	100	150	100	20	40	20	100
CF 99.99999995%	10	20	40	100	150	100	150	100	20	40	20	100
CF 99.99999999%	10	20	40	100	150	100	150	100	20	40	20	100
CF 99.999999995%	10	20	40	100	150	100	150	100	20	40	20	100
CF 99.999999999%	10	20	40	100	150	100	150	100	20	40	20	100
CF 99.9999999995%	10	20	40	100	150	100	150	100	20	40	20	100
CF 99.9999999999%	10	20	40	100	150	100	150	100	20	40	20	100
CF 99.99999999995%	10	20	40	100	150	100	150	100	20	40	20	100
CF 99.99999999999%	10	20	40	100	150	100	150	100	20	40	20	100
CF 99.999999999995%	10	20	40	100	150	100	150	100	20	40	20	100
CF 99.999999999999%	10	20	40	100	150	100	150	100	20	40	20	100
CF 99.9999999999995%	10	20	40	100	150	100	150	100	20	40	20	100
CF 99.9999999999999%	10	20	40	100	150	100	150	100	20	40	20	100
CF 99.99999999999995%	10	20	40	100	150	100	150	100	20	40	20	100
CF 99.99999999999999%	10	20	40	100	150	100	150	100	20	40	20	100
CF 99.999999999999995%	10	20	40	100	150	100	150	100	20	40	20	100
CF 99.999999999999999%	10	20	40	100	150	100	150	100	20	40	20	100
CF 99.9999999999999995%	10	20	40	100	150	100	150	100	20	40	20	100
CF 99.9999999999999999%	10	20	40	100	150	100	150	100	20	40	20	100
CF 99.99999999999999995%	10	20	40	100	150	100	150	100	20	40	20	100
CF 99.99999999999999999%	10	20	40	100	150	100	150	100	20	40	20	100
CF 99.999999999999999995%	10	20	40	100	150	100	150	100	20	40	20	100
CF 99.999999999999999999%	10	20	40	100	150	100	150	100	20	40	20	100
CF 99.9999999999999999995%	10	20	40	100	150	100	150	100	20	40	20	100
CF 99.9999999999999999999%	10	20	40	100	150	100	150	100	20	40	20	100
CF 99.99999999999999999995%	10	20	40	100	150	100	150	100	20	40	20	100
CF 99.99999999999999999999%	10	20	40	100	150	100	150	100	20	40	20	100
CF 99.999999999999999999995%	10	20	40	100	150	100	150	100	20	40	20	100
CF 99.999999999999999999999%	10	20	40	100	150	100	150	100	20	40	20	100
CF 99.9999999999999999999995%	10	20	40	100	150	100	150	100	20	40	20	100
CF 99.9999999999999999999999%	10	20	40	100	150	100	150	100	20	40	20	100
CF 99.99999999999999999999995%	10	20	40	100	150	100	150	100	20	40	20	100
CF 99.99999999999999999999999%	10	20	40	100	150	100	150	100	20	40	20	100
CF 99.999999999999999999999995%	10	20	40	100	150	100	150	100	20	40	20	100
CF 99.999999999999999999999999%	10	20	40	100	150	100	150	100	20	40	20	100
CF 99.9999999999999999999999995%	10	20	40	100	150	100	150	100	20	40	20	100
CF 99.9999999999999999999999999%	10	20	40	100	150	100	150	100	20	40	20	100
CF 99.99999999999999999999999995%	10	20	40	100	150	100	150	100	20	40	20	100
CF 99.99999999999999999999999999%	10	20	40	100	150	100	150	100	20	40	20	100
CF 99.999999999999999999999999995%	10	20</										

PASCAGOULA RIVER BASIN

02479155 CYPRESS CREEK NEAR JANICE, MS--Continued
(Hydrologic bench-mark station)

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1967 to current year.

REMARKS.--Samples are collected by a local observer.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE, WATER (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	COLI- FORM, TOTAL, IMMED. (COLS. PER 100 ML)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCCI KF AGAR (COLS. PER 100 ML)	HARD- NESS (MG/L AS CACO3)
OCT 04...	1700	11	28	6.5	16.5	8.2	220	160	340	4
DEC 16...	1700	26	44	6.5	9.5	8.8	290	K38	160	5
FEB 03...	1000	86	31	5.3	7.5	11.1	460	K58	210	4
APR 08...	1100	199	25	5.7	14.0	8.6	250	44	190	3
JUN 09...	1330	29	26	6.5	26.0	7.4	230	K34	160	3
AUG 03...	1400	336	28	6.3	23.0	7.8	240	K30	K110	0

DATE	HARD- NESS, NONCAR- BONATE (MG/L AS CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LINITY (MG/L AS CACO3)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)
OCT 04...	0	.7	.5	1.7	45	.4	.5	5	1.6	3.1
DEC 16...	0	.9	.6	2.7	52	.5	.6	5	2.6	3.9
FEB 03...	0	.7	.5	1.8	48	.4	.4	4	3.2	3.2
APR 08...	0	.7	.4	2.7	61	.6	.3	4	2.0	2.4
JUN 09...	0	.5	.4	1.7	53	.4	.3	6	2.8	3.4
AUG 03...	0	--	--	--	--	--	--	2	3.6	2.5

DATE	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SiO2)	SOLIDS, FINESTONE 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 TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	SEDIM- ENT, SUS- PENDED (MG/L)	SFOI- MENT DIS- CHARGE, SUS- PENDED (T/DAY)
OCT 04...	.0	11	36	22	.05	1.07	.05	.010	42	1.2
DEC 16...	.0	12	34	26	.05	2.39	.07	.000	24	1.7
FEB 03...	.0	8.9	36	21	.05	8.36	.12	.010	20	4.6
APR 08...	.0	6.9	28	18	.04	15.0	.03	.010	53	28
JUN 09...	.0	10	28	23	.04	2.19	.07	.010	13	1.0
AUG 03...	.0	--	46	--	.06	41.7	.06	.020	--	--

PASCAGOULA RIVER BASIN

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02479155 CYPRESS CREEK NEAR JANICE, MS--Continued
 WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	ARSENIC TOTAL (UG/L) AS AS)	BARIUM, TOTAL REC'D= ENABLE (UG/L) AS BA)	CADMIUM TOTAL REC'D= ENABLE (UG/L) AS CD)	CHROMIUM, TOTAL REC'D= ENABLE (UG/L) AS CR)	COPPER, TOTAL REC'D= ENABLE (UG/L) AS CU)	IRON, TOTAL REC'D= ENABLE (UG/L) AS FE)	LEAD, TOTAL REC'D= ENABLE (UG/L) AS PH)
OCT 04...	0	0	0	<10	2	340	2
APR 08...	1	0	--	10	2	340	--

DATE	MANGANESE, TOTAL REC'D= ENABLE (UG/L) AS MN)	MERCURY TOTAL REC'D= ENABLE (UG/L) AS HG)	SILVER, TOTAL REC'D= ENABLE (UG/L) AS AG)	ZINC, TOTAL REC'D= ENABLE (UG/L) AS ZN)	CYANIDE TOTAL (MG/L) AS CN)	
OCT 04...	20	<.5	0	1	30	.00
APR 08...	60	.5	0	0	40	.00

PASCAGOULA RIVER BASIN

02479160 BLACK CREEK NEAR WIGGINS, MS

LOCATION.--Lat 30°51'12", long 88°54'49", in SW¼ sec.20, T.2 S., R.9 W., St. Stephens Meridian, Stone County, Hydrologic Unit 03170007, on left bank on downstream side of bridge on State Highway 26, 1.7 mi (2.7 km) downstream from Flat Branch, 8.6 mi (13.8 km) upstream from Sweetwater Creek, and 13.4 mi (21.6 km) east of Wiggins.

DRAINAGE AREA.--730 mi² (1,890 km²), approximately.

PERIOD OF RECORD.--Occasional discharge measurements, water years 1956-57, 1959-60. October 1971 to current year.

GAGE.--Water-stage recorder. Datum of gage is 48.94 ft (14.917 m) (revised) National Geodetic Vertical Datum of 1929.

REMARKS.--Records good. No gage-height record Dec. 1 to Jan. 9.

AVERAGE DISCHARGE.--8 years, 1,522 ft³/s (43.10 m³/s), 28.31 in/yr (719 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 31,500 ft³/s (892 m³/s) Apr. 5, 1979, gage height, 26.63 ft (8.117 m); minimum, 153 ft³/s (4.33 m³/s) Nov. 3, 4-6, 7, 1978, minimum gage height, 3.80 ft (1.158 m) Oct. 19, 20, 1972.

EXTREMES OUTSIDE PERIOD OF RECORD.--A flood (believed to be that of July 1916) reached a stage of 30.5 ft or 9.30 m, from Mississippi State Highway Department plans. The flood of June 3, 1959, reached a stage of 25.88 ft (7.888 m), and the flood of Feb. 19, 1961, 25.83 ft (7.873 m) from floodmarks; discharge, about 26,000 ft³/s (736 m³/s), based on peak data at sites upstream and downstream.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 7,000 ft³/s (198 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s)	Discharge (m ³ /s)	Gage height (ft)	Gage height (m)	Date	Time	Discharge (ft ³ /s)	Discharge (m ³ /s)	Gage height (ft)	Gage height (m)
Feb. 8	1430	7610	216	19.88	6.059	Apr. 5	1030	*31500	892	26.63	8.117
Feb. 26	0700	10100	286	21.77	6.636	Apr. 25	1830	8430	239	21.07	6.422
Mar. 5	1600	14100	399	23.08	7.035	Sept. 15	0430	9240	262	21.43	6.532

Minimum discharge, 153 ft³/s (4.33 m³/s) Nov. 3, 4-6, 7, gage height, 4.23 ft (1.289 m).

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	311	154	1500	1300	2510	3490	1200	1520	1310	311	1100	742
2	276	154	1200	2000	1840	2500	1190	1340	1280	315	894	621
3	250	154	700	2600	1590	4450	3610	1220	1160	322	2530	721
4	232	153	620	1500	2870	8230	11800	1210	854	318	2950	907
5	218	153	1000	1150	3450	13400	29100	2220	693	278	1330	848
6	203	153	1200	1000	4710	11500	22000	2160	702	260	1190	642
7	191	166	900	1200	6700	7450	15400	1650	624	252	1020	746
8	181	256	760	1500	7510	4530	9620	1810	592	630	809	633
9	171	332	760	1600	6530	2950	5410	1890	687	1100	739	527
10	170	294	800	1270	3880	2420	3210	1350	675	1010	651	472
11	177	263	740	1050	2540	3390	2530	1100	684	1090	612	440
12	179	237	640	937	2050	4270	2260	1200	687	2330	1190	416
13	177	220	560	931	1720	2900	2270	1280	541	2450	1810	5580
14	177	209	520	874	1530	2260	2750	1350	507	2990	1080	8230
15	170	203	480	764	1400	1950	2120	1130	477	3640	819	8920
16	162	201	520	687	1290	1700	1690	1010	422	2250	654	6740
17	170	207	680	648	1190	1570	1470	961	391	1680	563	3220
18	193	299	580	648	1760	1500	1330	851	371	1240	507	1980
19	203	269	500	702	3990	1430	1230	730	351	1510	469	1490
20	209	237	520	1050	3310	1350	1160	684	334	1900	440	1230
21	218	228	540	4450	3580	1270	1110	642	320	1510	513	3390
22	222	222	540	6140	4070	1230	1080	615	315	1510	552	5820
23	228	213	520	5980	3370	2980	1520	718	311	1800	521	4380
24	211	209	560	5480	6430	3390	5990	911	383	2200	672	2170
25	171	207	620	5890	8410	2130	8140	884	332	3750	2220	1640
26	168	209	580	4440	9850	1630	8040	761	334	5550	3770	1420
27	166	325	530	3330	7990	1350	6410	657	361	5960	3230	1240
28	164	1080	500	3830	6050	1190	3720	586	325	4720	2520	1140
29	162	1200	450	2910	---	1100	2300	543	306	3550	1440	1050
30	156	954	510	2170	---	1050	1790	624	304	2220	1110	958
31	154	---	700	2510	---	1040	---	1180	---	1490	1020	---
TOTAL	6040	9161	21230	70541	112120	101600	161450	34787	16633	60136	38925	68313
MEAN	195	305	685	2276	4004	3277	5382	1122	554	1940	1256	2277
MAX	311	1200	1500	6140	9850	13400	29100	2220	1310	5960	3770	8920
MIN	154	153	450	648	1190	1040	1080	543	304	252	440	416
CFSM	.27	.42	.94	3.12	5.49	4.49	7.37	1.54	.76	2.66	1.72	3.12
IN.	.31	.47	1.08	3.59	5.71	5.18	8.23	1.77	.85	3.06	1.98	3.48
CAL YR 1978	TOTAL	413258	MEAN	1132	MAX	9280	MIN	153	CFSM	1.55	IN	21.06
WTR YR 1979	TOTAL	700936	MEAN	1920	MAX	29100	MIN	153	CFSM	2.63	IN	35.72

02479300 RED CREEK AT VESTRY, MS

LOCATION.--Lat 30°44'10", long 88°46'50", in SW¼SW¼ sec.34, T.3 S., R.8 W., St. Stephens Meridian, George County, Hydrologic Unit 03170007, near center of channel on downstream side of bridge on county highway, 0.5 mi (0.8 km) north of Vestry, and 1.1 mi (1.8 km) upstream from Little Red Creek.

DRAINAGE AREA.--416 mi² (1,077 km²).

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

GAGE.--Water-stage recorder. Datum of gage is 20.10 ft (6.126 m) National Geodetic Vertical Datum of 1929.

REMARKS.--Records fair.

AVERAGE DISCHARGE.--21 years, 856 ft³/s (24.24 m³/s), 27.94 in/yr (710 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 21,500 ft³/s (609 m³/s) Dec. 12, 1961; maximum gage height, 18.78 ft (5.724 m) Apr. 28, 1964; minimum discharge, 88 ft³/s (2.49 m³/s) Oct. 22, 1963, gage height, 3.22 ft (0.981 m).

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 4,000 ft³/s (113 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)	Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)				
Feb. 26	0800	7680	217	15.07	4.593	Sept. 15	2200	7220	204	15.88	4.840
Mar. 6	0200	*7930	225	15.16	4.621						

Minimum daily discharge, 147 ft³/s (4.16 m³/s) Nov. 5.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1	436	156	625	792	905	2140	640	835	791	204	750	746	
2	331	153	462	1970	890	1530	720	748	706	209	663	748	
3	274	150	387	2560	800	2530	2500	687	551	211	879	708	
4	242	149	659	2270	810	5160	3000	663	613	266	756	659	
5	221	147	1330	1340	1200	6960	2500	881	484	256	628	637	
6	206	160	1220	869	2000	7440	2000	1040	532	234	702	590	
7	193	150	820	1580	2500	4190	1900	931	438	252	578	521	
8	183	206	608	2900	3500	2590	1300	801	349	302	454	510	
9	177	228	544	3190	3000	1500	1120	704	315	373	404	517	
10	173	250	935	1890	2500	1210	1080	617	313	529	388	435	
11	171	218	803	1150	1500	1450	1080	562	315	777	404	349	
12	170	193	568	879	1200	1790	965	600	308	1400	1260	339	
13	171	179	458	789	1100	1560	948	780	288	1410	1070	4380	
14	177	170	599	724	1000	1290	1040	640	262	1380	833	6220	
15	170	165	360	640	950	1060	980	620	247	2020	604	6970	
16	165	162	337	578	900	890	821	610	236	2330	514	6530	
17	162	160	326	536	850	809	702	560	231	2330	425	4670	
18	200	173	349	515	1000	765	630	500	225	1500	375	2630	
19	212	242	436	538	2000	732	588	450	214	904	343	1420	
20	210	216	408	724	2100	700	562	410	210	1100	522	1150	
21	209	151	374	1410	2200	756	543	350	206	1320	309	1300	
22	208	177	372	1520	2230	831	544	600	203	1090	425	1000	
23	195	168	570	1010	2810	1510	692	890	203	1170	900	1300	
24	190	165	359	2270	5990	1880	1950	877	204	1940	906	1100	
25	185	162	398	2700	6570	1430	3040	706	198	2550	648	1000	
26	180	167	424	2320	7420	963	3660	560	192	2980	875	900	
27	174	222	396	1710	6050	754	3290	466	190	3600	1570	840	
28	170	477	350	1390	3900	661	2650	411	185	3700	1440	770	
29	167	685	320	1130	---	615	1510	378	185	2680	1370	730	
30	160	735	303	925	---	586	1000	373	198	1790	1220	690	
31	158	---	323	910	---	580	---	441	---	1070	944	---	
TOTAL	6240	6820	16023	44129	67875	56862	43954	19691	9597	41877	23159	60763	
MEAN	201	227	517	1424	2224	1834	1465	635	320	1351	747	1692	
MAX	436	735	1530	3190	7420	7440	3660	1040	791	3700	1570	6970	
MIN	158	107	303	515	800	580	543	350	185	204	309	350	
CFSE	4.88	4.55	1.24	3.42	5.83	4.41	3.52	1.53	.77	3.25	1.80	4.07	
10.	.56	.61	1.43	3.95	6.07	5.08	3.93	1.78	.86	3.74	2.07	4.50	
DAY	1978	TOTAL	365032	MEAN	836	MAX	7930	MIN	147	CFSE	2.01	10	27.28
1979	TOTAL	366991	MEAN	1060	MAX	7440	MIN	147	CFSE	2.55	10	34.61	

PASCAGOULA RIVER BASIN

02479560 ESCATAWPA RIVER NEAR AGRICOLA, MS

LOCATION.--Lat 30°48'32", long 88°27'41", in SW¼ 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 (10.8 km) west of Wilmer, AL, 2.5 mi (4.0 km) west of Alabama-Mississippi State line, 3.7 mi (6.0 km) east of Agricola, MS, and 4.8 mi (7.7 km) below old gage at Escatawpa River near Wilmer, AL.

DRAINAGE AREA.--556 mi² (1,440 km²).

PERIOD OF RECORD.--August 1973 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 50 ft (15 m).

REMARKS.--Water-discharge record good.

AVERAGE DISCHARGE.--6 years (water years 1974-79), 1,330 ft³/s (37.67 m³/s), 32.48 in/yr (825 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 18,400 ft³/s (521 m³/s) Mar. 5, 1979, gage height, 19.67 ft (5.995 m); minimum, 137 ft³/s (3.88 m³/s) Nov. 5, 1978.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of March 1929 reached an elevation of 72.0 ft (21.95 m) ±1.0 ft (0.30 m), 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 discharge above base of 5,000 ft³/s (142 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)	Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
Feb. 8	1100	5390 153	14.95 4.557	Mar. 24	0500	5870 166	15.29 4.660
Feb. 24	2400	9720 275	17.20 5.243	Apr. 7	0400	13800 391	18.54 5.651
Mar. 5	0300	*18400 521	19.67 5.995	Sept. 15	0200	8630 244	16.78 5.115

Minimum discharge, 137 ft³/s (3.88 m³/s) Nov. 5.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	310	143	573	508	1970	3380	939	662	494	274	606	735
2	262	142	428	2390	1620	2320	922	604	626	264	518	611
3	229	141	338	3340	1330	3560	1690	686	608	247	552	640
4	209	140	544	2440	1980	15000	5340	562	954	230	575	936
5	196	138	1660	1440	2390	17600	10900	831	893	214	536	968
6	184	138	1630	1200	3200	17400	12900	842	1580	209	544	842
7	174	142	965	1870	4770	14500	13100	743	2200	227	449	753
8	168	148	643	3320	5360	9510	9510	643	2020	274	388	500
9	165	154	544	3280	5060	5770	6310	571	1630	388	345	405
10	164	156	573	2150	4230	2860	3190	524	1170	795	310	356
11	162	155	532	1410	3290	2830	2230	486	930	1310	306	310
12	162	153	498	1180	2160	3020	1740	524	650	2560	1530	286
13	161	149	462	1120	1570	2840	1640	795	456	2500	1030	4760
14	158	147	430	997	1290	2500	2260	717	358	2550	591	8180
15	152	148	390	790	1100	2070	2410	578	312	2260	430	8320
16	150	152	347	638	965	1690	1740	510	288	1970	384	6630
17	149	154	354	558	859	1460	1320	447	272	2490	397	4160
18	148	165	392	516	1010	1300	1160	414	259	1950	390	3160
19	149	200	394	502	1650	1160	1070	422	247	1610	324	2490
20	148	207	349	624	1720	1050	959	443	234	1990	277	1850
21	147	185	334	2010	2130	1000	836	422	224	1950	276	2420
22	146	170	378	2170	2370	1060	761	382	219	1690	567	3240
23	146	162	360	1940	3230	4060	769	1050	216	1880	930	2490
24	146	160	371	3210	8270	5500	1300	1160	409	2250	795	1710
25	147	158	447	3590	9360	3320	1560	986	564	2870	898	1370
26	146	154	422	3180	8090	2100	1380	712	980	2530	839	1210
27	147	247	371	2580	6930	1730	1140	508	684	1860	740	1110
28	148	480	324	3090	5410	1630	951	426	420	1400	954	1030
29	143	464	298	3000	---	1440	834	380	312	1210	817	936
30	141	715	283	2270	---	1190	740	384	278	974	652	848
31	143	---	288	2040	---	1010	---	390	---	756	636	---
TOTAL	5200	5967	15922	59353	93314	135860	91601	18804	20487	43682	18586	63256
MEAN	168	199	514	1915	3333	4383	3053	607	683	1409	600	2109
MAX	310	715	1660	3590	9360	17600	13100	1160	2200	2870	1530	8320
MIN	141	138	283	502	859	1000	740	380	216	209	276	286
CFSM	.30	.36	.92	3.44	6.00	7.88	5.49	1.09	1.23	2.53	1.08	3.79
IN.	.35	.40	1.07	3.97	6.24	9.09	6.13	1.26	1.37	2.92	1.24	4.23

CAL YR 1978 TOTAL 416831 MEAN 1142 MAX 10700 MIN 138 CFSM 2.05 IN 27.89
WTR YR 1979 TOTAL 572032 MEAN 1567 MAX 17600 MIN 138 CFSM 2.82 IN 38.27

02480250 BLUFF CREEK NEAR VANCELEAVE, MS

LOCATION.--Lat 30°32'52", long 88°42'56", in SE¼ sec.6, T.6 S., R.7 W., St. Stephens Meridian, Jackson County, Hydrologic Unit 03170006, on right bank of stream, 0.1 mi (0.2 km) upstream from home of Grace Retreat, 2.1 mi (3.4 km) northwest of Vanceleave.

DRAINAGE AREA.--52 mi² (135 km²).

PERIOD OF RECORD.--Occasional discharge measurements. Water years 1953, 1955, 1958-61, 1963. June 1974 to current year (discontinued).

GAGE.--Water-stage recorder. Datum of gage is 1.97 ft (0.600 m) National Geodetic Vertical Datum of 1929. July 1948 to 1961, nonrecording gage at same site and different datum.

REMARKS.--Records fair.

AVERAGE DISCHARGE.--5 years, 151 ft³/s (4.276 m³/s), 39.43 in/yr (1,002 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 8,310 ft³/s (235 m³/s) Sept. 13, 1979, gage height, 21.47 ft (6.544 m); minimum discharge, 13 ft³/s (0.37 m³/s) June 11, 12, 1977, gage height, 4.12 ft (1.260 m).

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 1,300 ft³/s (36.8 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)	Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
Feb. 24	0900	6350 180	20.74 6.322	July 24	2015	1380 39.1	12.61 3.844
Mar. 4	1930	1720 48.7	14.09 4.295	Sept. 13	1800	*8310 235	21.47 6.544
Apr. 4	Unknown	7420 210	21.16 6.450				

a From floodmark.

Minimum daily discharge, 14 ft³/s (0.40 m³/s) Oct. 31 to Nov. 8.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	35	14	84	213	121	186	65	61	200	21	80	50
2	33	14	61	780	229	161	65	56	130	36	99	52
3	31	14	51	453	330	863	100	53	100	39	185	78
4	36	14	137	193	990	1610	5000	55	92	35	136	53
5	29	14	627	134	809	741	4500	79	250	27	92	41
6	28	14	280	106	333	351	2000	85	200	23	81	55
7	26	14	115	396	207	244	900	63	100	21	69	87
8	25	14	82	671	160	203	450	50	68	63	58	108
9	24	15	76	262	137	179	250	47	85	208	48	51
10	23	16	83	155	117	158	120	42	80	480	88	57
11	22	20	75	122	104	162	81	41	40	597	88	31
12	21	18	63	107	111	170	71	38	37	673	43	52
13	21	17	55	101	107	161	65	40	33	238	41	4870
14	20	16	48	92	93	148	68	61	30	140	38	2170
15	20	16	43	80	87	124	59	61	29	136	34	480
16	19	15	40	71	129	94	49	53	28	111	30	257
17	19	15	39	65	164	82	42	48	26	136	27	203
18	18	15	37	59	300	77	37	43	24	127	26	196
19	18	16	35	57	500	74	35	40	21	149	24	221
20	18	21	33	98	420	70	33	36	20	682	27	157
21	17	20	32	350	361	66	32	32	21	471	23	448
22	17	19	33	231	281	62	33	31	20	248	31	537
23	16	18	34	137	878	300	130	70	22	445	34	269
24	16	17	43	300	4720	600	669	250	23	1220	31	164
25	16	18	50	290	1290	350	613	220	21	1020	34	127
26	15	20	52	110	475	190	263	120	19	463	135	110
27	15	20	53	97	297	140	136	80	18	255	172	105
28	15	18	44	84	225	94	63	45	17	179	110	100
29	15	73	43	105	---	80	75	28	18	153	78	93
30	15	101	38	157	---	72	66	26	17	116	57	85
31	14	---	38	105	---	67	---	60	---	93	49	---
TOTAL	651	754	2529	6184	13975	7883	16100	2018	1710	8605	1943	11291
MEAN	21.0	25.1	81.6	200	459	254	537	65.1	57.0	278	64.3	376
MAX	35	101	627	780	4720	1610	5000	250	250	1220	185	4870
MIN	14	14	32	57	87	62	32	26	17	21	23	31
CFSD	40	49	157	345	960	489	103	1257	110	535	124	123
CF	27	59	181	442	1000	564	1152	144	122	616	143	808
DAY 1978	TOTAL	46959	MEAN	137	MAX	4150	MIN	14	CFSD	264	10	35.77
DAY 1979	TOTAL	73644	MEAN	202	MAX	5000	MIN	14	CFSD	389	18	52.72

BILOXI RIVER BASIN

02481000 BILOXI RIVER AT WORTHAM, MS

LOCATION.--Lat 30°33'30", long 89°07'20", in SE¼SE¼ sec.31, T.5 S., R.11 W., St. Stephens Meridian, Harrison County, Hydrologic Unit 03170009, on downstream side of right main pier of upstream bridge of dual bridges on U.S. Highway 49, 0.8 mi (1.3 km) east of Wortham, 1 mi (1.6 km) downstream from Illinois Central Railroad bridge, 1 mi (1.6 km) upstream from Saucier Creek, and 4.2 mi (6.8 km) north of Lyman.

DRAINAGE AREA.--96.1 mi² (248.9 km²).

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

REVISED RECORDS.--WRD Miss. 1972: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 19.18 ft (5.846 m) Mississippi State Highway Department datum. Prior to Oct. 1, 1977, at datum 2.00 ft higher.

REMARKS.--Records good except those above 1,500 ft³/s (42.5 m³/s) which are poor.

AVERAGE DISCHARGE.--27 years, 187 ft³/s (5.296 m³/s), 26.43 in/yr (671 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 8,420 ft³/s (238 m³/s) Apr. 27, 1964; maximum gage height, 23.08 ft present datum, Sept. 18, 1957; minimum discharge, 1.1 ft³/s (0.031 m³/s) Oct. 21, 1963.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in 1948 reached a stage of 25.3 ft (7.711 m) present datum, from information by Mississippi State Highway Department. Floods in 1916 and 1928 reached approximately the same stage and were at least 8.5 ft (2.59 m) higher than that of Sept. 18, 1957, at a point about 1 mi (1.6 km) upstream, from information by local residents.

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

Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)	Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
Jan. 7	1545	2720	77.0	Apr. 23	1915	2830	80.1
Feb. 6	2000	2930	83.0	July 11	1615	2430	68.8
Feb. 24	1015	3610	103	Sept. 13	1345	*3980	113
Mar. 4	0630	2820	79.9	Sept. 21	1145	2470	70.0
Apr. 4	Unknown	2370	67.1				
			all.52				3.511

a From floodmark.

Minimum discharge, 5.0 ft³/s (0.14 m³/s) Nov. 8, gage height, 1.91 ft (0.582 m).

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

DAY	UCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	60	5.6	111	371	348	302	100	133	87	9.0	90	86
2	45	5.6	65	1330	222	254	100	112	78	11	75	83
3	35	5.7	46	875	209	1380	130	98	67	10	71	131
4	25	5.6	335	405	548	2400	840	118	104	13	296	150
5	20	5.3	607	221	639	1560	1200	300	114	18	190	95
6	17	5.3	367	173	1990	716	490	224	59	17	90	308
7	14	5.3	160	1810	2210	416	330	131	54	25	61	362
8	12	5.2	120	1620	1310	322	250	93	40	306	45	133
9	11	5.6	164	765	632	260	200	75	28	426	36	82
10	10	6.8	298	338	388	228	161	64	23	342	38	58
11	9.4	9.1	191	254	300	515	138	56	20	1400	38	45
12	8.8	8.3	111	229	246	446	131	69	17	954	35	40
13	8.4	7.5	83	223	208	260	202	98	15	601	67	2860
14	8.0	7.1	68	183	200	202	214	76	13	468	56	1960
15	7.6	6.9	57	143	182	169	147	62	11	310	152	1050
16	7.2	6.7	51	123	157	145	106	45	11	342	53	354
17	6.9	6.9	50	114	136	140	82	35	10	222	33	280
18	6.7	6.9	62	108	535	133	70	30	9.7	145	25	198
19	6.4	23	56	104	645	124	64	35	9.0	278	21	186
20	6.3	28	46	246	436	114	61	75	8.7	716	21	246
21	6.2	18	51	437	802	408	56	40	8.4	797	24	1980
22	6.1	13	60	254	568	532	61	30	8.4	294	38	1150
23	6.1	11	57	381	1240	840	1650	109	8.4	650	141	570
24	5.9	9.7	65	1060	5110	586	2210	180	20	1530	148	256
25	5.8	8.7	109	601	1950	286	1620	104	14	1370	131	180
26	5.8	9.0	87	320	1020	194	678	54	10	1610	188	154
27	5.8	42	59	264	502	159	364	35	9.0	1170	246	138
28	5.7	135	46	224	368	140	238	28	8.0	394	524	126
29	5.6	119	39	173	---	130	178	25	8.4	222	196	109
30	5.6	137	35	166	---	120	152	25	10	154	123	92
31	5.6	---	46	465	---	110	---	53	---	116	135	---
TOTAL	388.9	668.8	3702	13980	21101	13391	12223	2612	883.0	14920.0	3387	13462
MEAN	12.5	22.3	119	451	754	432	807	84.3	29.4	481	109	449
MAX	60	137	607	1810	5110	2400	2210	300	114	1610	524	2860
MIN	5.6	5.2	35	104	136	110	56	25	8.0	9.0	21	40
CFSM	.13	.23	1.24	4.69	7.85	4.50	4.24	.88	.31	5.01	1.13	4.67
IN.	.15	.26	1.43	5.41	8.17	5.18	4.73	1.01	.34	5.78	1.31	5.21

CAL YR 1978 TOTAL 69893.7 MEAN 191 MAX 4600 MIN 5.2 CFSM 1.99 IN 27.06
WTR YR 1979 TOTAL 100718.7 MEAN 276 MAX 3110 MIN 5.2 CFSM 2.87 IN 38.99

WOLF RIVER BASIN

129

02481510 WOLF RIVER NEAR LONDON, MS

LOCATION.--Lat 30°29'00", long 89°16'28", in NE¼ sec.34, T.6 S., R.13 W., St. Stephens Meridian, Harrison County, Hydrologic Unit 03170009, on left bank at downstream side of bridge on county highway, 0.3 mi (0.5 km) downstream from Sandy Creek, 1.3 mi (2.1 km) upstream from Pole Branch, and 11 mi (17.7 km) northwest of Landon.

DRAINAGE AREA.--308 mi² (798 km²).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--August 1971 to current year. Occasional discharge measurements, water years 1964-66.

GAGE.--Water-stage recorder. Datum of gage is 21.34 ft (6.504 m) National Geodetic Vertical Datum of 1929.

REMARKS.--Records good.

AVERAGE DISCHARGE.--8 years, 710 ft³/s (20.11 m³/s), 31.30 in/yr (795 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge about 13,200 ft³/s (374 m³/s) Mar. 24 or 25, 1973, gage height, 16.5 ft (5.03 m) from reconstructed graph; minimum, 44 ft³/s (1.25 m³/s) Oct. 18-22, 1972; minimum gage height, 1.32 ft (0.402 m) July 21, 1973.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Apr. 27, 1964, reached a stage of 21.06 ft (6.419 m). The flood of 1920 reached a stage about 5 ft (1.5 m) higher than that of April 1964, from information by local resident.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 4,000 ft³/s (113 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)	Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
Jan. 7	--	4680 133	9.22 2.810	Apr. 6	0430	*10500 297	15.10 4.602
Feb. 6	2200	6610 187	11.37 3.466	Apr. 24	2200	5460 155	10.12 3.085
Feb. 24	1200	6620 187	11.38 3.469	July 26	0900	9350 265	14.07 4.289
Mar. 4	1730	7850 222	12.63 3.850	Sept. 14	0130	4820 137	9.38 2.859

a From floodmark.

Minimum daily discharge, 62 ft³/s (1.76 m³/s) June 28.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	338	73	402	500	1180	1040	447	507	625	73	538	243
2	227	71	271	2000	793	882	443	440	530	76	434	230
3	175	71	236	1100	684	1810	1160	396	489	74	362	289
4	145	70	741	800	1290	7470	5350	405	538	100	374	292
5	128	68	1520	560	1760	4810	9000	778	405	100	411	250
6	112	68	913	526	4720	2260	8590	705	281	95	354	200
7	104	73	572	3500	5810	1520	2240	504	218	131	295	233
8	98	98	511	2000	3770	1110	1260	421	209	633	240	235
9	92	128	750	1200	2170	892	913	553	175	684	211	175
10	86	126	987	769	1380	769	741	390	154	322	223	139
11	82	111	584	646	1000	1370	629	322	146	1230	221	118
12	78	109	411	568	832	1400	604	308	137	1450	205	109
13	77	101	342	541	732	1020	584	443	118	976	263	2820
14	76	94	303	486	684	847	568	458	97	1950	250	3820
15	75	89	276	427	637	684	504	457	98	1990	253	1880
16	75	86	260	390	572	576	402	362	95	1450	263	1040
17	76	89	268	365	519	530	345	278	98	998	200	650
18	73	190	316	354	847	500	300	226	98	572	163	453
19	73	145	314	345	1520	482	281	235	90	667	142	411
20	73	113	281	443	1190	464	271	214	82	1030	133	500
21	73	96	276	908	2000	475	260	200	76	862	125	2800
22	73	87	260	842	1690	464	300	193	73	526	146	2560
23	73	82	240	1010	1820	1170	2400	300	79	1480	245	1360
24	74	81	270	2840	6060	1150	5080	380	148	2230	453	769
25	74	79	310	1940	5970	701	4490	345	90	5650	688	538
26	74	81	250	1260	3480	519	2630	253	73	8930	944	424
27	74	198	200	971	2010	457	1500	198	65	5220	887	377
28	74	643	170	857	1330	450	976	165	62	3620	1240	348
29	73	633	140	688	---	447	710	154	66	1950	822	322
30	73	592	130	600	---	447	584	195	76	1120	464	286
31	71	---	250	1160	---	447	---	515	---	723	300	---
TOTAL	3069	4545	12754	30596	56450	37163	53562	11410	5491	46912	11849	23871
MEAN	99.0	152	411	987	2016	1199	1785	368	183	1513	382	796
MAX	338	643	1520	3500	6060	7470	9000	778	625	8930	1240	3820
MIN	71	68	130	345	519	447	260	154	62	73	125	109
CFSM	.32	.49	1.33	3.21	6.55	3.89	5.80	1.20	.59	4.91	1.24	2.58
IN.	.37	.55	1.54	3.70	6.82	4.49	6.47	1.38	.66	5.67	1.43	2.88

CAL YR 1978 TOTAL 217197 MEAN 595 MAX 8520 MIN 68 CFSM 1.93 IN 26.23
WTR YR 1979 TOTAL 297672 MEAN 816 MAX 9000 MIN 62 CFSM 2.65 IN 35.95

WOLF RIVER BASIN

02481510 WOLF RIVER NEAR LANDON, MS--Continued
(National stream-quality accounting network station)

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1964-66, 1978 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: May 1978 to current year.

WATER TEMPERATURE: May 1978 to current year.

INSTRUMENTATION.--Specific conductance/temperature recorder since May 1978.

REMARKS.--Prior to Oct. 6, 1978, specific conductance listed as 30 micromhos represent 30 micromhos or less due to instrument limitations. Interruptions in the record were due to malfunctions of the instrument.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: Maximum, 35.0°C July 4, 1978; minimum, 17.0°C May 5, 1978.

EXTREMES OUTSIDE PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 53 micromhos Sept. 13, 1978; minimum, 20 micromhos Jan. 6, 1966.

WATER TEMPERATURE: Maximum, 25.5°C Oct. 14, 1965; minimum, 9.0°C Dec. 1, 1965.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE, WATER (DEG C)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (CULS./ 100 ML)	STREP- TOCOCCI FFCAL, KF AGAR (COLS. PER 100 ML)	HARD- NESS (MG/L AS CAC03)	HARD- NESS, NONCAR- BONATE (MG/L CAC03)
OCT											
06...	1530	112	33	6.9	25.0	3.0	7.5	150	K53	7	2
NOV											
09...	1130	128	30	6.6	15.5	2.0	9.3	100	K63	5	2
DEC											
06...	1200	897	34	5.5	14.0	15	9.7	940	610	8	6
JAN											
05...	1330	621	32	5.3	10.0	7.0	10.1	K67	K190	7	1
FEB											
14...	1400	679	27	5.4	12.0	6.0	9.8	K69	--	7	4
MAR											
08...	1100	1120	25	5.4	13.0	15	9.8	K150	K70	4	0
APR											
11...	1400	621	27	6.0	20.0	10	7.1	K80	100	5	3
MAY											
04...	1030	374	26	5.8	21.5	5.0	8.5	K36	180	5	1
JUN											
07...	1100	216	31	5.4	27.0	5.0	6.7	K48	K24	6	2
JUL											
06...	1300	95	32	6.3	32.0	5.0	6.1	220	--	6	0
AUG											
09...	1200	209	32	6.1	30.0	6.0	6.3	K140	K180	6	2
SEP											
07...	1400	230	23	6.4	27.5	8.0	6.9	--	--	6	1

DATE	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKAL- INITY AS CAC03	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)
OCT									
06...	1.6	.8	3.0	.43	.5	1.2	5	2.2	4.7
NOV									
09...	1.1	.6	2.0	.40	.4	1.0	3	2.0	4.3
DEC									
06...	1.4	1.0	2.8	.40	.4	1.1	2	4.3	4.4
JAN									
05...	1.5	.8	2.6	.42	.4	.6	6	4.4	4.7
FEB									
14...	1.5	.7	2.5	.42	.4	.8	3	2.9	3.6
MAR									
08...	.9	.5	1.9	.44	.4	.8	7	2.5	3.2
APR									
11...	1.0	.5	2.1	.46	.4	.7	2	1.0	3.0
MAY									
04...	1.0	.6	2.2	.46	.4	.6	4	1.8	4.0
JUN									
07...	1.2	.7	2.3	.43	.4	.7	4	2.2	3.7
JUL									
06...	1.3	.7	2.6	.44	.5	.8	6	2.5	4.8
AUG									
09...	1.4	.7	2.4	.41	.4	.8	4	6.2	4.3
SEP									
07...	1.3	.6	2.2	.42	.4	.6	5	2.4	3.9

WOLF RIVER BASIN

131

02481510 WOLF RIVER NEAR LANDON, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	SILICA, DIS- SOLVED (MG/L AS SiF2)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FI)	SOLIDS, DIS- SOLVED (TONS PER DAY)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, NH4 + URG. SUSP. TOTAL (MG/L AS N)
OCT 06...	13	45	30	.06	13.6	.00	.38	.18	.21	.00
NOV 09...	12	40	25	.05	13.8	.00	.01	.22	.23	.09
DEC 06...	9.8	47	26	.06	114	.07	.01	.57	.58	.17
JAN 05...	9.9	40	28	.05	67.1	.07	.00	.27	.27	.09
FEB 14...	8.8	30	23	.04	55.0	.08	.01	.26	.27	.13
MAR 08...	7.4	33	21	.04	99.8	.05	.05	.23	.28	.04
APR 11...	8.2	37	18	.05	62.0	.04	.00	.46	.46	.03
MAY 04...	9.3	38	22	.05	38.4	.07	.01	.41	.42	.17
JUN 07...	9.0	34	22	.05	19.8	.04	.01	.27	.28	.00
JUL 06...	10	39	27	.05	10.0	.02	.01	.31	.32	.09
AUG 09...	12	38	30	.05	21.4	.06	.00	.22	.22	.05
SEP 07...	10	24	24	.03	14.9	.07	.06	.23	.29	.00
DATE	NITRO- GEN, AM- MONIA + ORGANIC DIS. (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)	PHYTO- PLANK- TON, TOTAL (CELLS PER ML)	SEDI- MENT, SUS- PENDED (MG/L)	SEDI- MENT DIS- CHARGE, SUS- PENDED (T/DAY)	SED. SUSP. STEEVE DIAM. % FINER THAN .062 MM
OCT 06...	.38	.21	.93	.020	.010	--	64	12	3.6	--
NOV 09...	.14	.23	1.0	.000	.000	7.3	--	32	11	--
DEC 06...	.41	.65	2.9	.010	.000	8.3	--	50	121	--
JAN 05...	.18	.34	1.5	.000	.000	--	0	40	67	67
FEB 14...	.14	.35	1.6	.000	.020	5.6	--	20	37	52
MAR 08...	.24	.33	1.5	.020	.000	4.9	--	104	314	74
APR 11...	.43	.50	2.2	.020	.000	--	260	36	60	71
MAY 04...	.25	.49	2.2	.060	.030	4.9	--	22	22	63
JUN 07...	.28	.32	1.4	.010	.010	7.0	210	20	12	91
JUL 06...	.23	.34	1.5	.010	.000	--	300	13	3.3	93
AUG 09...	.17	.28	1.2	.010	.000	6.7	4500	88	50	89
SEP 07...	--	.36	1.6	.010	.000	6.6	200	23	14	81

WOLF RIVER BASIN

02481510 WOLF RIVER NEAR LONDON, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	ARSENIC TOTAL (UG/L AS AS)	ARSENIC DIS- SOLVED (UG/L AS AS)	BARIUM, TOTAL RECOV- ERABLE (UG/L AS HA)	BARIUM, SUS- PENDED RECOV- ERABLE (UG/L AS HA)	BARIUM, DIS- SOLVED (UG/L AS HA)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CADMIUM SUS- PENDED RECOV- ERABLE (UG/L AS CD)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHROMIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	CHROMIUM, SUS- PENDED RECOV- ERABLE (UG/L AS CR)
OCT 06...	0	0	0	0	0	5	0	5	--	--
JAN 05...	1	1	0	0	0	1	1	0	10	8
APR 11...	4	2	0	0	0	1	0	1	10	0
JUL 06...	5	2	0	0	40	2	1	1	50	40

DATE	CHROMIUM, DIS- SOLVED (UG/L AS CR)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	COPPER, SUS- PENDED RECOV- ERABLE (UG/L AS CU)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, SUS- PENDED RECOV- ERABLE (UG/L AS FE)	IRON, DIS- SOLVED (UG/L AS FE)
OCT 06...	0	4	0	1	520	390	130
JAN 05...	2	1	1	0	350	190	160
APR 11...	--	1	1	0	660	400	260
JUL 06...	10	0	0	1	700	480	220

DATE	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	LEAD, SUS- PENDED RECOV- ERABLE (UG/L AS PB)	LEAD, DIS- SOLVED (UG/L AS PB)	MANGANESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MANGANESE, SUS- PENDED RECOV- ERABLE (UG/L AS MN)	MANGANESE, DIS- SOLVED (UG/L AS MN)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY SUS- PENDED RECOV- ERABLE (UG/L AS HG)	MERCURY DIS- SOLVED (UG/L AS HG)	SILVER, TOTAL RECOV- ERABLE (UG/L AS SE)
OCT 06...	4	0	5	50	20	30	<.5	.0	<.5	0
JAN 05...	4	0	4	70	0	70	<.5	.0	<.5	0
APR 11...	7	1	6	60	10	50	<.5	.0	<.5	0
JUL 06...	1	1	0	30	10	20	<.5	.0	<.5	0

DATE	SFE- NIUM, SUS- PENDE TOTAL (UG/L AS SE)	SFE- NIUM, DIS- SOLVED (UG/L AS SE)	SILVER, TOTAL RECOV- ERABLE (UG/L AS AG)	SILVER, SUS- PENDE RECOV- ERABLE (UG/L AS AG)	SILVER, DIS- SOLVED (UG/L AS AG)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	ZINC, SUS- PENDE RECOV- ERABLE (UG/L AS ZN)	ZINC, DIS- SOLVED (UG/L AS ZN)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C)	CARBON, ORGANIC SUS- PENDE (MG/L AS C)
OCT 06...	0	0	1	0	2	10	10	0	9.4	.7
JAN 05...	0	0	0	0	0	20	10	10	6.0	1.0
APR 11...	0	0	1	1	0	10	0	20	6.7	.2
JUL 06...	0	0	0	0	0	20	20	2	11	1.3

WOLF RIVER BASIN

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02481510 WOLF RIVER NEAR LONDON, MS--Continued
PHYTOPLANKTON ANALYSES, OCTOBER 1978 TO SEPTEMBER 1979

DATE TIME	OCT 6,78 1530	JAN 5,79 1330	APR 11,79 1400	JUN 1,79 1100
TOTAL CELLS/ML	64	0	260	210
DIVERSITY: DIVISION	1.8	0.0	1.4	2.0
..CLASS	1.8	0.0	1.4	2.0
...ORDER	2.2	0.0	1.4	2.1
...FAMILY	2.8	0.0	1.4	2.2
....GENUS	3.0	0.0	1.4	2.2

ORGANISM	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT
CHLOROPHYTA (GREEN ALGAE)								
..CHLOROPHYCEAE								
...CHLOROCOCCALES								
...CHARACIACEAE								
...SCHROEDERIA	2	3	--	--	--	--	--	--
...OCCYSTACEAE	5	8	--	--	--	--	--	--
...ANKISTRUESMUS	--	--	--	--	--	--	--	--
...DICTYOSPHAERIUM	--	--	--	--	--	--	--	--
...KIRCHNERIELLA	--	--	--	--	--	--	--	--
...OCCYSTIS	--	--	--	--	120#	44	--	--
...TETRAEDRON	--	--	--	--	--	--	--	--
...TREURARIA	--	--	--	--	--	--	--	--
...WESTELLA	--	--	--	--	--	--	--	--
...SCENEDESMACEAE								
...CRUCIGENTIA	7	11	--	--	--	--	--	--
...SCENEDESMUS	7	11	--	--	--	--	26	13
...VOLVOCALES								
...CHLAMYDOMONADACEAE								
...CHLAMYDOMONAS	4	6	--	--	--	--	13	6
...ZYGNEMATALES								
...DESMIDIACEAE								
...STAUROSTRUM	--	--	--	--	--	--	--	--
CHRYSOPHYTA								
..BACILLARIOPHYCEAE								
...CENTRALES								
...COSCINODISACEAE								
...CYCLOCITELLA	4	6	--	--	--	--	--	--
...PENNALES								
...ACHNANTHACEAE								
...ACHNANTHES	--	--	--	--	--	--	--	--
...COCCONEIS	--	--	--	--	--	--	--	--
...CYMHELLACEAE								
...CYMHELLA	--	--	--	--	--	--	--	--
...EUNOTIACEAE								
...EUNOTIA	4	6	--	--	--	--	--	--
...GOMPHONEMACEAE								
...GOMPHONEMA	--	--	--	--	--	--	--	--
...NAVICULACEAE								
...NAVICULA	11#	17	--	--	--	--	13	6
...NITZSCHACEAE								
...NITZSCHIA	--	--	--	--	--	--	13	6
CRYPTOPHYTA (CRYPTOMONADS)								
..CRYPTOPHYCEAE								
...CRYPTOMONADALES								
...CRYPTOMONADACEAE								
...CRYPTOMONAS	--	--	--	--	29	11	26	13
CYANOPHYTA (BLUE-GREEN ALGAE)								
..CYANOPHYCEAE								
...CHROCOCCOCCALES								
...CHROCOCCACEAE								
...AGNELLUM	--	--	--	--	--	--	100#	50
...ANACYSTIS	--	--	--	--	120#	44	--	--
...HORMOGONIALES								
...NOSTOCACEAE								
...ANABAENA	--	--	--	--	--	--	--	--
...OSCILLATORIACEAE								
...OSCILLATORIA	1#	2#	--	--	--	--	--	--
EUGLENOPHYTA (EUGLENIDS)								
..EUGLENOPHYCEAE								
...EUGLENALES								
...EUGLENACEAE								
...EUGLENA	4	6	--	--	--	--	13	6

NOTE: # = DOMINANT ORGANISM; EQUAL TO OR GREATER THAN 15%

* = OBSERVED ORGANISM, MAY NOT HAVE BEEN COUNTED; LESS THAN 1/2%

WOLF RIVER BASIN

02481510 WOLF RIVER NEAR LONDON, MS--Continued
PHYTOPLANKTON ANALYSES, OCTOBER 1978 TO SEPTEMBER 1979

DATE TIME	JUL 6,79 1300	AUG 9,79 1200	SEP 7,79 1400
TOTAL CELLS/ML	300	4500	200
DIVERSITY: DIVISION	0.3	1.2	0.9
..CLASS	0.3	1.2	0.9
...ORDER	0.3	1.8	1.1
...FAMILY	0.7	2.5	2.9
...GENUS	0.7	3.2	3.0

ORGANISM	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT
CHLOROPHYTA (GREEN ALGAE)						
..CHLOROPHYCEAE						
...CHLOROCOCCALES						
...CHARACIACEAE						
...SCHROEDERIA	--	-	--	-	--	-
...ODCISTACEAE						
...ANKISTRODESMUS	26	9	500	11	20	10
...DICTYOSPHAERIUM	--	-	120	3	--	-
...KIRCHNERIELLA	--	-	100	2	--	-
...ODCISTIS	--	-	--	-	--	-
...TETRAEDRON	--	-	*	0	--	-
...TREUBARIA	--	-	*	0	--	-
...WESTELLA	--	-	100	2	--	-
...SCENEDESMACEAE						
...CRUCIGENIA	--	-	210	5	--	-
...SCENEDESMUS	260#	87	1100#	25	30	15
...VOLVOCALES						
...CHLAMYDOMONADACEAE						
...CHLAMYDOMONAS	--	-	65	1	--	-
..ZYGNEMATALES						
...DESMIDIACEAE						
...STAUROSTRUM	--	-	--	-	10	5
CHRYSOPHYTA						
..BACILLARIOPHYCEAE						
...CENTRALES						
...COSCINOIDISCEAE						
...CYCLOTELLA	13	4	65	1	--	-
...PENNALES						
...ACHNANTHACEAE						
...ACHNANTHES	--	-	--	-	5	2
...COCconeis	--	-	--	-	5	2
...CYMBELLACEAE						
...CYMBELLA	--	-	--	-	10	5
...EUNOTIACEAE						
...EUNOTIA	--	-	--	-	40#	20
...GOMPHONEMACEAE						
...GOMPHONEMA	--	-	--	-	10	5
...NAVICULACEAE						
...NAVICULA	--	-	--	-	50#	25
...NITZSCHACEAE						
...NITZSCHIA	--	-	100	2	20	10
CRYPTOPHYTA (CRYPTOMONADS)						
..CRYPTOPHYCEAE						
...CRYPTOMONADALES						
...CRYPTOMONADACEAE						
...CRYPTOMONAS	--	-	*	0	--	-
CYANOPHYTA (BLUE-GREEN ALGAE)						
..CYANOPHYCEAE						
...CHROCOCCALES						
...CHROCOCCACEAE						
...AGNELLUM	--	-	310	7	--	-
...APACYSTIS	--	-	460	10	--	-
...HORMOGONIALES						
...MUSCOCACEAE						
...ANAKAFNA	--	-	700#	15	--	-
...OSCILLATORIA	--	-	620	14	--	-
EUGLENOPHYTA (EUGLENIIDS)						
..EUGLENOPHYCEAE						
...EUGLENALES						
...EUGLENACEAE						
...EUGLENA	--	-	--	-	--	-

NOTE: # = DOMINANT ORGANISM; EQUAL TO OR GREATER THAN 15%

* = OBSERVED ORGANISM, MAY NOT HAVE BEEN COUNTED; LESS THAN 1/2%

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02481510 WOLF RIVER NEAR LONDON, MS--Continued
SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DAY	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	46	32	39	29	28	29	35	33	34			
2	---	---	---	29	28	29	35	33	34			
3	---	---	---	29	28	29	35	34	34			
4	---	---	---	29	28	29	34	31	32			
5	---	---	---	29	28	29	33	31	32			
6	---	---	---	29	28	29	35	32	33			
7	31	30	31	29	28	29	38	32	33			
8	32	31	31	29	28	29	---	---	---			
9	32	31	32	30	28	28	31	30	30			
10	32	31	32	29	28	29	33	29	31			
11	32	31	31	31	29	30	32	30	30			
12	32	31	31	36	31	33	32	29	30			
13	32	31	31	32	30	31	---	---	---			
14	34	30	32	31	30	30	---	---	---			
15	34	30	32	31	30	30	---	---	---			
16	33	29	32	31	30	31	---	---	---			
17	33	27	31	31	30	31	---	---	---			
18	32	31	31	34	30	32	40	30	34			
19	32	31	31	36	33	35	40	29	34			
20	32	31	31	35	33	35	38	31	34			
21	32	31	31	34	32	33	---	---	---			
22	31	30	31	33	31	32	---	---	---			
23	31	30	31	32	31	31	---	---	---			
24	31	30	31	32	31	31	---	---	---			
25	31	30	31	31	31	31	---	---	---			
26	31	30	31	31	30	31	---	---	---			
27	31	30	30	33	30	32	---	---	---			
28	31	30	30	35	31	33	---	---	---			
29	31	29	30	39	34	35	---	---	---			
30	30	29	30	35	33	34	---	---	---			
31	30	28	29	---	---	---	---	---	---			
	FEBRUARY			MARCH			APRIL			MAY		
1				---	---	---	---	---	---	27	26	27
2				---	---	---	---	---	---	27	27	27
3				---	---	---	---	---	---	28	27	28
4				---	---	---	27	22	25	28	27	28
5				---	---	---	22	19	21	28	26	27
6				---	---	---	22	19	21	---	---	---
7				---	---	---	24	22	22	28	26	27
8				25	25	25	---	---	---	28	27	28
9				26	25	25	---	---	---	32	26	28
10				26	25	25	---	---	---	29	28	28
11				25	23	24	26	26	26	29	28	29
12				25	23	24	27	26	26	30	29	29
13				25	24	25	28	26	27	29	26	27
14				25	24	25	30	27	28	28	26	27

WOLF RIVER BASIN

02481510 WOLF RIVER NEAR LANDON, MS--Continued

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	30	27	28	37	33	34	30	29	30	35	34	35
2	28	27	27	35	33	34	31	30	31	36	35	36
3	28	27	27	35	34	35	42	31	32	36	24	32
4	28	27	27	35	34	35	32	30	31	36	25	26
5	30	26	28	34	33	34	31	30	30	26	25	27
6	33	27	30	35	32	33	31	30	30	28	25	26
7	---	---	---	38	31	35	31	30	30	26	23	25
8	---	---	---	---	---	---	31	28	30	25	23	23
9	---	---	---	---	---	---	29	28	29	26	23	25
10	---	---	---	---	---	---	35	29	31	27	24	26
11	---	---	---	---	---	---	29	29	29	27	25	25
12	---	---	---	---	---	---	30	29	30	28	25	26
13	---	---	---	---	---	---	33	29	30	24	19	20
14	34	34	34	---	---	---	33	28	29	20	18	19
15	37	34	35	---	---	---	32	27	28	28	18	23
16	38	34	36	---	---	---	28	26	27	---	---	---
17	38	35	36	---	---	---	29	28	28	---	---	---
18	38	35	36	---	---	---	35	29	31	31	29	31
19	41	35	37	---	---	---	35	30	32	32	31	31
20	39	23	34	39	31	32	36	31	33	32	31	32
21	25	23	25	---	---	---	37	31	32	32	28	30
22	27	25	26	35	34	34	33	31	32	34	28	29
23	28	27	27	34	27	32	35	29	31	31	27	28
24	30	28	29	35	31	31	31	30	31	35	28	31
25	31	30	31	31	26	26	34	26	31	32	31	31
26	31	31	31	---	---	---	30	26	28	32	30	31
27	32	31	32	---	---	---	30	27	28	31	30	31
28	33	32	32	---	---	---	29	27	28	30	29	30
29	35	33	33	30	26	27	31	28	29	31	29	30
30	34	32	33	27	26	27	33	31	32	31	29	30
31	---	---	---	29	27	28	39	33	34	---	---	---

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

DAY	OCTOBER			NOVEMBER			DECEMBER		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	26.0	23.5	24.5	23.5	19.5	21.5	16.5	14.0	15.0
2	---	---	---	22.5	19.0	21.0	17.0	13.5	15.0
3	---	---	---	21.5	18.0	20.0	20.5	17.0	19.0
4	---	---	---	21.0	17.0	19.0	20.0	15.5	17.5
5	---	---	---	20.5	16.5	18.5	15.5	13.0	14.0
6	---	---	---	20.5	17.0	19.0	14.5	12.0	14.0
7	23.5	20.0	21.5	20.0	18.0	19.5	18.0	14.5	16.5
8	22.5	18.5	20.0	18.0	15.5	17.0	20.0	18.0	19.5
9	21.5	17.5	19.5	17.0	14.0	15.0	19.5	13.0	15.5
10	22.5	18.5	20.5	17.0	13.5	15.5	12.5	9.5	11.0
11	24.0	20.0	21.5	19.0	15.5	17.0	10.5	9.0	9.5
12	25.0	21.0	23.0	20.5	17.5	18.5	10.0	7.5	8.5
13	26.5	21.5	24.0	19.5	16.5	18.0	10.5	7.5	9.0
14	23.5	19.5	22.0	19.5	17.0	18.0	10.5	8.5	9.5
15	21.0	17.0	19.0	21.0	18.0	19.5	10.5	8.5	9.5
16	21.5	16.5	19.0	23.0	20.0	21.5	14.0	10.5	12.5
17	20.5	16.5	18.5	23.5	21.0	22.5	13.5	9.0	12.5
18	20.0	15.5	18.0	21.0	18.5	19.5	12.5	9.5	11.0
19	21.5	17.0	19.0	19.0	17.5	18.5	14.5	12.0	13.0
20	21.5	17.0	19.5	20.0	17.5	18.5	17.0	14.0	15.5
21	22.0	17.5	20.0	20.0	17.0	18.5	---	---	---
22	22.0	18.0	20.0	20.0	17.0	18.5	---	---	---
23	23.5	19.0	21.0	20.5	17.5	18.5	---	---	---
24	23.0	19.0	21.0	20.5	18.0	19.0	---	---	---
25	23.0	19.0	21.5	19.5	17.5	18.5	---	---	---
26	23.5	20.0	22.0	20.0	17.0	18.5	---	---	---
27	23.5	20.5	22.0	19.0	18.0	18.5	---	---	---
28	24.0	21.0	22.5	18.0	16.5	17.0	---	---	---
29	23.0	19.0	21.0	16.5	16.0	16.5	---	---	---
30	22.0	19.0	21.0	16.5	15.5	16.0	---	---	---
31	23.0	19.0	21.0	---	---	---	---	---	---

WOLF RIVER BASIN

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02481510 WOLF RIVER NEAR LONDON, MS--Continued
 TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1				---	---	---	22.5	19.5	21.0	22.0	18.0	20.0
2				---	---	---	21.5	20.5	21.0	22.0	19.5	21.0
3				---	---	---	21.0	19.0	20.0	22.5	21.0	21.5
4				---	---	---	19.5	18.0	19.0	22.5	20.0	21.5
5				---	---	---	18.5	18.0	18.0	22.0	20.0	21.0
6				---	---	---	18.0	17.0	17.5	23.0	19.0	21.0
7				---	---	---	18.0	16.0	17.0	24.5	20.5	22.5
8				15.5	14.0	15.0	18.5	17.0	17.5	24.5	21.5	23.0
9				16.0	12.5	14.0	19.5	17.5	18.5	25.5	21.5	23.5
10				15.0	13.5	14.5	19.0	18.0	18.5	26.5	22.5	24.5
11				15.0	13.0	14.0	20.0	18.5	19.5	27.5	24.0	26.0
12				15.0	12.5	13.5	20.5	19.5	20.0	26.5	24.5	25.5
13				15.5	12.5	14.0	22.0	20.0	21.0	25.0	21.5	23.0
14				17.0	14.5	15.5	23.5	20.0	21.5	24.0	19.5	22.0
15				16.0	14.0	16.0	23.5	20.0	21.5	25.0	20.5	22.5
16				15.5	14.0	15.0	23.0	19.0	21.0	25.5	21.0	23.5
17				17.0	13.5	15.0	22.5	19.0	21.0	26.0	21.5	24.0
18				17.5	14.5	16.0	20.5	19.5	20.0	25.5	22.5	24.0
19				19.5	15.5	17.5	22.0	19.0	20.5	26.0	21.0	23.5
20				21.0	17.0	19.0	21.5	19.5	20.5	26.5	22.5	24.5
21				21.0	18.0	19.5	21.5	20.0	21.0	27.0	23.0	25.0
22				20.0	18.5	19.5	21.0	20.0	20.5	25.0	23.0	24.0
23				20.5	18.0	19.0	20.0	19.5	19.5	24.5	21.5	23.0
24				19.0	16.5	18.5	20.0	19.5	19.5	26.5	22.5	24.0
25				17.5	15.0	16.0	20.5	19.5	20.0	25.0	21.5	23.0
26				17.0	13.5	15.0	21.0	19.0	20.0	24.5	20.0	22.5
27				18.0	14.5	15.5	21.5	19.5	20.0	25.5	20.5	23.0
28				19.0	14.5	17.0	21.5	18.5	20.0	26.5	22.5	24.5
29				20.0	16.5	18.0	19.5	18.0	19.0	28.0	24.5	26.0
30				20.5	18.5	19.0	20.5	17.5	19.0	25.0	23.5	25.0
31				20.5	19.0	19.5	---	---	---	25.0	23.0	24.0
JUNE			JULY			AUGUST			SEPTEMBER			
1	25.5	23.0	24.0	33.5	28.0	30.0	30.0	27.0	28.5	30.0	26.5	28.0
2	27.5	23.5	25.5	32.5	27.5	30.0	30.0	27.0	28.5	28.0	26.5	27.5
3	28.5	24.5	26.0	34.5	28.5	31.5	30.0	27.0	28.5	29.0	25.5	27.5
4	27.5	24.0	26.0	35.0	29.5	32.0	30.0	27.0	28.5	30.0	26.0	28.0
5	27.5	25.0	26.5	34.0	30.5	32.0	31.0	27.0	29.0	30.0	27.0	28.5
6	29.5	25.5	27.5	34.0	30.5	32.0	30.5	27.0	29.0	29.5	27.0	28.0
7	---	---	---	33.0	29.5	31.0	31.0	27.5	29.5	28.0	25.5	27.5
8	---	---	---	29.5	25.0	27.5	30.5	28.0	29.5	29.0	26.0	28.0
9	---	---	---	27.5	25.0	26.0	30.5	27.5	29.0	29.5	25.5	27.5
10	---	---	---	26.5	25.0	26.0	31.0	27.5	29.5	29.0	26.0	27.5
11	---	---	---	25.5	24.0	25.0	30.5	28.0	29.0	29.0	26.0	27.5
12	---	---	---	26.0	24.0	25.0	28.5	27.0	28.0	29.5	25.0	26.5
13	---	---	---	26.5	24.5	25.5	29.5	25.5	27.5	27.5	24.0	24.5
14	29.5	27.0	28.5	26.0	25.0	25.5	30.5	26.5	28.5	25.5	25.0	28.0
15	29.5	26.0	27.5	27.5	25.0	26.0	30.5	27.0	29.0	25.5	24.0	25.0
16	30.0	25.0	27.5	28.0	25.5	27.0	29.5	26.0	28.0	26.0	23.5	24.0
17	31.5	26.0	28.5	29.0	26.0	27.5	30.5	27.0	28.5	25.0	24.0	24.5
18	32.5	27.0	29.5	28.5	26.5	27.5	31.5	27.5	29.5	25.0	24.0	25.5
19	33.0	27.5	30.0	27.0	25.5	26.0	30.0	28.0	29.0	27.0	25.0	25.5
20	33.0	26.5	30.0	27.0	25.0	26.0	31.5	27.5	29.0	26.5	25.0	25.5
21	31.5	27.5	29.5	---	---	---	31.0	28.0	29.5	26.5	25.0	25.5
22	32.0	27.0	29.5	---	---	---	30.5	27.5	29.0	25.5	24.0	25.0
23	32.0	27.5	29.5	---	---	---	28.5	26.0	27.5	25.0	23.0	24.0
24	30.5	27.0	28.5	---	---	---	26.5	24.5	26.5	24.5	22.0	23.5
25	32.0	27.5	29.5	---	---	---	27.0	25.5	26.0	23.0	22.0	22.5
26	33.0	27.5	30.0	---	---	---	26.5	24.5	25.5	23.0	21.5	22.5
27	31.5	27.5	29.5	---	---	---	27.0	25.0	26.0	23.0	22.0	22.5
28	32.5	27.5	30.0	---	---	---	26.5	25.0	26.0	25.0	21.5	23.5
29	31.0	28.0	29.5	28.5	26.5	27.5	28.0	25.0	26.5	26.0	22.0	24.0
30	32.0	27.0	29.5	29.5	27.0	28.0	29.5	25.5	27.5	26.0	22.5	24.5
31	---	---	---	30.5	27.0	28.5	29.0	26.0	27.5	---	---	---

PEARL RIVER BASIN

02482000 PEARL RIVER AT EDINBURG, MS

LOCATION.--Lat 32°47'55", long 89°21'10", in SW¼SW¼ sec.13, T.11 N., R.9 E., Choctaw Meridian, Leake County, Hydrologic Unit 03180001, on right bank 20 ft (6 m) downstream from bridge on State Highway 16 at Edinburg, 1,100 ft (335 m) downstream from Hooper Mill Creek, 3 mi (5 km) upstream from Rice Creek and at mile 387.5 (623.5 km).

DRAINAGE AREA.--898 mi² (2,326 km²).

PERIOD OF RECORD.--August 1928 to current year. Daily mean gage heights published since January 1972. Gage-height records collected in same vicinity since 1908 are contained in reports of National Weather Service.

REVISED RECORDS.--WSP 1504: 1929-30, 1933.

GAGE.--Water-stage recorder. Datum of gage is 341.67 ft (104.141 m) National Geodetic Vertical Datum of 1929. Prior to July 2, 1930, nonrecording gage at site 500 ft (152 m) upstream at datum 0.12 ft (0.037 m) higher. July 2, 1930, to Sept. 20, 1938, nonrecording gage at present site and datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--51 years, 1,140 ft³/s (32.28 m³/s), 17.24 in/yr (438 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 77,900 ft³/s (2,210 m³/s) Apr. 14, 1979; gage height, 30.06 ft (9.162 m); minimum discharge, 1.7 ft³/s (0.048 m³/s) Oct. 5, 1954, gage height, 1.02 ft (0.311 m).

EXTREMES OUTSIDE PERIOD OF RECORD.--The flood in March 1902 reached a stage of 29.0 ft (8.84 m), from reports of National Weather Service.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 77,900 ft³/s (2,210 m³/s) Apr. 14, gage height, 30.06 ft (9.162 m); minimum, 8.7 ft³/s (0.25 m³/s) Oct. 31, gage height, 1.36 ft (0.415 m).

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

GAGE	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14	9.4	130	1340	5030	6350	926	870	457	76	346	645
2	14	9.6	46	1780	4450	5650	898	741	415	67	286	766
3	13	10	79	2340	3860	6670	1460	646	448	58	276	709
4	14	10	282	3070	3300	11500	2630	986	436	49	328	658
5	12	10	247	2690	2830	23100	3360	1310	396	43	463	599
6	12	11	198	2270	2640	23800	3730	1180	363	54	564	508
7	11	20	166	3800	2920	15700	3560	1040	334	127	619	417
8	10	26	174	4970	3030	9740	4090	858	295	148	655	350
9	10	29	1180	6510	3100	6860	4900	727	258	142	649	293
10	10	28	952	7080	2820	5350	5190	646	243	583	580	234
11	11	25	1130	6730	2570	4330	5060	618	327	599	437	184
12	11	23	1020	5860	2510	3510	10200	2990	377	1830	331	144
13	12	22	788	4890	2430	2780	34500	3790	353	1390	255	722
14	13	20	657	4000	2210	2260	73500	3990	271	1310	205	1060
15	14	18	572	3090	1940	1900	64200	3670	209	1050	178	1380
16	16	18	513	2210	1680	1660	40400	3340	170	890	162	1770
17	14	38	471	1650	1450	1490	19900	3080	138	725	148	1640
18	12	80	417	1380	1970	1360	10200	2680	114	562	132	2010
19	11	78	363	1500	2250	1220	6730	2130	98	432	117	2810
20	11	57	311	5280	2670	1070	5110	1620	83	391	103	3120
21	11	48	325	8840	2630	931	3960	1220	74	393	130	4000
22	12	38	317	18800	2400	820	3010	907	66	407	129	3970
23	11	33	280	21500	2910	1040	2380	763	63	437	106	4270
24	9.7	30	269	16400	4500	1190	2000	694	71	447	117	4250
25	9.3	29	285	11200	5460	1260	1770	754	191	460	198	4220
26	11	28	280	8310	6280	1110	1610	615	192	594	611	4160
27	11	38	261	7150	6730	1020	1460	485	161	653	278	3860
28	10	70	245	6340	6830	997	1300	437	128	645	373	3310
29	11	108	231	5880	---	1000	1160	422	103	597	455	2640
30	10	154	229	5540	---	1010	1010	591	88	525	542	1990
31	8.8	---	603	5400	---	984	---	505	---	435	594	---
TOTAL	359.8	1118.0	13071	187800	93400	147662	320204	44305	6922	16119	10367	56689
MEAN	11.6	37.3	422	6058	3336	4763	10670	1429	231	520	334	1890
MAX	16	154	1180	21500	6830	23800	73500	3990	457	1830	655	4270
MIN	8.8	9.4	79	1340	1450	820	898	422	63	43	103	144
CFSM	.01	.04	.47	6.75	3.72	5.30	11.9	1.59	.26	.58	.37	2.11
IN.	.01	.05	.54	7.78	3.87	6.12	13.26	1.84	.29	.67	.43	2.35

CAL YR 1978 TOTAL 305820.8 MEAN 838 MAX 8010 MIN 8.8 CFSM .93 IN 12.67
WTR YR 1979 TOTAL 898016.8 MEAN 2460 MAX 73500 MIN 8.8 CFSM 2.74 IN 37.20

02482000 PEARL RIVER AT EDINBURG, MS--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.52	1.38	3.34	10.33	19.68	21.24	9.04	8.78	6.59	3.69	5.89	7.65
2	1.52	1.39	2.95	12.27	18.85	20.49	8.91	8.15	6.33	3.57	5.48	8.27
3	1.51	1.41	2.72	13.96	17.82	21.44	11.19	7.66	6.54	3.45	5.41	7.99
4	1.52	1.41	4.73	15.92	16.70	24.10	15.04	9.20	6.46	3.33	5.77	7.72
5	1.48	1.41	4.49	14.96	15.63	26.13	16.79	10.67	6.21	3.23	6.62	7.41
6	1.46	1.43	4.04	13.84	15.10	26.21	17.58	10.16	6.00	3.36	7.21	6.89
7	1.44	1.68	3.73	17.44	15.86	25.15	17.25	9.57	5.81	4.19	7.51	6.34
8	1.42	1.84	3.78	19.59	16.14	23.50	18.26	8.71	5.54	4.39	7.70	5.92
9	1.41	1.91	9.86	21.38	16.29	21.68	19.51	8.09	5.27	4.33	7.67	5.52
10	1.42	1.87	8.90	21.89	15.60	20.09	19.91	7.66	5.17	7.24	7.30	5.09
11	1.43	1.81	9.75	21.59	14.90	18.66	19.73	7.51	5.76	7.17	6.46	4.69
12	1.44	1.76	9.21	20.72	14.74	17.12	22.66	15.67	6.09	12.59	5.79	4.34
13	1.46	1.75	8.05	19.48	14.51	15.47	27.02	17.70	5.94	10.98	5.25	7.53
14	1.51	1.69	7.32	17.95	13.87	14.01	29.76	18.08	5.37	10.68	4.86	9.61
15	1.53	1.65	6.81	15.95	13.00	12.85	29.14	17.46	4.90	9.59	4.64	10.92
16	1.58	1.64	6.44	13.63	12.08	12.00	27.48	16.79	4.57	8.87	4.50	12.41
17	1.52	2.02	6.17	11.80	11.22	11.39	25.73	16.24	4.30	8.06	4.38	11.92
18	1.47	2.73	5.80	10.82	13.06	10.88	23.68	15.21	4.08	7.20	4.23	13.20
19	1.45	2.71	5.41	11.17	13.97	10.30	21.55	13.60	3.92	6.43	4.09	15.57
20	1.44	2.39	5.01	19.65	15.19	9.68	19.76	11.85	3.76	6.18	3.95	16.33
21	1.44	2.25	5.12	22.94	15.06	9.06	18.03	10.31	3.66	6.19	4.20	18.11
22	1.46	2.08	5.06	25.63	14.44	8.53	16.08	8.94	3.56	6.28	4.19	18.05
23	1.43	1.98	4.76	25.99	15.80	9.56	14.35	8.26	3.52	6.47	3.98	18.59
24	1.40	1.92	4.68	25.30	18.91	10.19	13.19	7.91	3.60	6.53	4.09	18.56
25	1.38	1.90	4.81	24.10	20.24	10.47	12.42	8.22	4.75	6.61	4.78	18.52
26	1.43	1.87	4.76	22.76	21.17	9.84	11.82	7.49	4.76	7.38	7.43	18.41
27	1.44	2.07	4.61	21.94	21.59	9.47	11.25	6.76	4.50	7.70	5.42	17.84
28	1.42	2.60	4.47	21.22	21.69	9.36	10.64	6.47	4.21	7.65	6.07	16.74
29	1.43	3.05	4.35	20.75	---	9.37	10.05	6.38	3.97	7.39	6.58	15.09
30	1.41	3.60	4.32	20.36	---	9.40	9.44	7.36	3.82	6.99	7.09	13.15
31	1.36	---	6.96	20.18	---	9.30	---	6.88	---	6.45	7.38	---
MEAN	1.46	1.97	5.56	18.56	16.18	15.06	17.58	10.44	4.97	6.59	5.67	11.61
MAX	1.59	3.60	9.86	25.99	21.69	26.21	29.76	18.08	6.59	12.59	7.70	18.59
MIN	1.36	1.38	2.72	10.33	11.22	8.53	8.91	6.38	3.52	3.23	3.95	4.34

CAL YR 1978 MEAN 6.58 MAX 22.60 MIN 1.36
 WTR YR 1979 MEAN 9.59 MAX 29.76 MIN 1.36

PEARL RIVER BASIN

02482550 PEARL RIVER NEAR CARTHAGE, MS

LOCATION.--Lat 32°42'25", long 89°31'35", in NE¼NE¼ sec.24, T.10 N., R.7 E., Choctaw Meridian, Leake County, Hydrologic Unit 03180001, on right bank at downstream side of bridge on State Highway 35, 2.1 mi (3.4 km) south of Carthage, 4.0 mi (6.4 km) downstream from Lobutch Creek, 10.8 mi (17.4 km) upstream from Tuscolameta Creek, and at mile 366.3 (589.4 km).

DRAINAGE AREA.--1,347 mi² (3,489 km²).

PERIOD OF RECORD.--September 1962 to current year. Daily mean gage heights published since October 1971.

GAGE.--Water-stage recorder. Datum of gage is 315.24 ft (96.085 m) National Geodetic National Vertical Datum of 1929.

REMARKS.--Records good.

AVERAGE DISCHARGE.--17 years, 1,954 ft³/s (55.34 m³/s), 19.70 in/yr (500 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 102,000 ft³/s (2,890 m³/s) Apr. 14, 1979, gage height 28.74 ft (8.760 m); minimum 31 ft³/s (0.88 m³/s) Oct. 30, 1963, gage height, 2.36 ft (0.719 m).

EXTREMES OUTSIDE PERIOD OF RECORD.--The flood in March 1902 reached a stage of about 27 ft (8¼ m); flood in 1900 reached a stage of 25.6 ft (7.80 m); flood in 1932 reached a stage of 24.3 ft (7.41 m); flood of Apr. 11, 1938, reached a stage of 23.3 ft (7.10 m), all from information by Corps of Engineers. Flood of Dec. 20, 1961, reached a stage of 25.4 ft (7.74 m), discharge, 31,900 ft³/s (903 m³/s).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 102,000 ft³/s (2,890 m³/s) Apr. 14, gage height, 28.74 ft (8.760 m); minimum, 59 ft³/s (1.67 m³/s) part of each day Nov. 2-6, gage height, 2.33 ft (0.710 m).

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JUL	AUG	SEP
1	77	61	265	2060	7230	10200	1330	1620	966	190	674	974
2	74	60	224	2840	6760	9060	1320	1430	916	172	561	1010
3	72	60	207	2970	6200	11600	1980	1280	856	157	514	1050
4	75	60	353	3250	5570	15900	3460	2060	831	143	573	1130
5	75	60	404	3560	4790	19700	4080	3130	767	130	1210	971
6	71	60	389	3530	4280	29600	4610	2730	714	123	1020	823
7	67	77	351	4620	4600	27100	4900	2360	687	269	909	683
8	68	87	345	5180	4580	19700	5350	1990	612	450	428	558
9	66	96	1540	5630	4540	13600	6790	1620	537	446	425	468
10	65	64	1530	6600	4440	9730	7400	1360	479	1700	884	394
11	65	61	1290	7440	4150	7650	7230	1200	494	2050	766	326
12	66	88	1300	7480	3800	6190	15500	2880	540	3740	594	272
13	65	85	1110	6870	3490	5070	78600	4690	574	3850	476	1450
14	69	85	881	5960	3190	4160	93800	5650	509	3660	385	2510
15	70	86	753	4950	2910	3370	90900	5860	413	3160	324	2380
16	71	86	671	3950	2570	2750	64700	5620	345	2660	289	2540
17	69	97	614	2890	2240	2330	41700	4940	299	2170	263	2580
18	69	121	567	2180	2760	2060	25500	4090	261	1450	242	2430
19	67	137	518	2320	3370	1850	16400	3490	233	1080	225	2590
20	68	145	472	8740	3560	1670	10900	2820	210	871	206	3300
21	68	146	474	16700	3790	1510	7900	2170	192	925	199	5960
22	65	136	472	20800	3810	1380	6090	1690	179	1010	323	6200
23	64	122	459	27500	4180	1650	4790	1420	174	1180	367	6490
24	66	111	405	27500	6490	2040	3840	1270	201	1370	409	6450
25	64	103	428	21400	8420	2160	3240	1190	214	1390	456	6470
26	64	98	418	16200	10400	2060	2860	1170	335	1260	1470	6420
27	64	109	396	13300	11300	1830	2580	996	316	1130	1410	6100
28	69	117	371	10900	10800	1640	2300	873	272	1120	1260	5410
29	65	166	354	9190	---	1480	2050	821	239	1040	1170	4490
30	62	241	355	8170	---	1410	1830	1010	211	940	1170	3640
31	61	---	834	7630	---	1380	---	1060	---	813	1060	---
TOTAL	2095	3084	18834	272310	144220	221830	523930	74490	13579	40649	21212	86069
MEAN	67.6	103	608	8784	5151	7156	17460	2403	453	1311	684	2869
MAX	77	241	1540	27500	11300	29600	93800	5860	964	3850	1470	6490
MIN	61	59	207	2060	2240	1380	1320	821	174	123	199	272
CFSM	.05	.08	.45	6.52	3.82	5.31	13.0	1.78	.34	.97	.51	2.13
TN.	.06	.09	.52	7.52	3.98	6.13	14.47	2.06	.38	1.12	.59	2.38
CAL YR 1978	TOTAL	472555	MEAN	1295	MAX	10300	MIN	59	CFSM	.96	IN	13.05
WTR YR 1979	TOTAL	1422302	MEAN	3897	MAX	93800	MIN	59	CFSM	2.89	IN	39.28

02482550 PEARL RIVER NEAR CARTHAGE, MS--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.57	2.36	4.29	10.88	18.24	20.36	9.16	9.58	7.80	4.44	6.54	7.43
2	2.53	2.34	4.01	12.59	17.79	19.66	9.11	9.04	7.26	4.31	6.17	7.54
3	2.51	2.34	3.85	12.82	17.21	20.88	10.84	8.57	7.09	4.20	6.01	7.64
4	2.55	2.33	4.87	13.28	16.50	22.50	13.61	10.32	7.01	4.09	6.19	7.86
5	2.54	2.34	5.43	13.79	15.51	23.12	14.55	12.65	6.82	3.97	8.05	7.42
6	2.49	2.35	5.11	13.74	14.82	24.22	15.28	11.96	6.66	3.91	7.54	6.99
7	2.45	2.57	4.87	15.27	15.27	23.98	15.67	11.27	6.58	4.88	7.24	6.57
8	2.42	2.70	4.81	16.02	15.24	23.12	16.21	10.50	6.34	5.76	7.30	6.16
9	2.43	2.80	9.72	16.56	15.19	21.81	17.81	9.57	6.09	5.74	7.28	5.84
10	2.42	2.77	9.77	17.62	15.06	20.05	18.40	8.44	5.88	9.24	7.17	5.53
11	2.41	2.74	9.03	18.43	14.65	18.60	18.24	8.35	5.95	10.10	6.82	5.23
12	2.43	2.70	9.06	18.47	14.15	17.18	21.22	11.96	6.10	13.41	6.28	4.94
13	2.42	2.67	8.39	17.89	13.68	15.88	27.48	14.85	6.22	13.59	5.86	8.23
14	2.47	2.66	7.54	16.94	13.19	14.66	28.33	15.44	5.99	13.29	5.50	11.15
15	2.44	2.69	6.99	15.72	12.71	13.48	28.16	16.17	5.61	12.42	5.22	10.88
16	2.49	2.69	6.61	14.35	12.11	12.44	26.49	15.91	5.32	11.46	5.03	11.22
17	2.47	2.80	6.34	12.67	11.46	11.65	24.84	15.15	5.09	10.42	4.89	11.29
18	2.47	3.07	6.10	11.35	12.43	11.09	23.48	14.11	4.88	8.67	4.77	10.99
19	2.44	3.23	5.84	11.56	13.49	10.64	22.02	13.23	4.71	7.71	4.67	11.51
20	2.43	3.30	5.59	18.91	13.77	10.17	20.01	12.11	4.57	7.13	4.55	12.62
21	2.42	3.31	5.60	22.62	14.13	9.70	18.10	10.86	4.44	7.28	4.50	16.28
22	2.42	3.22	5.59	23.29	14.17	9.32	16.42	9.76	4.36	7.53	5.21	16.53
23	2.41	3.08	5.52	24.02	14.88	10.05	14.97	9.01	4.32	7.99	5.01	16.84
24	2.42	2.96	5.44	24.02	17.49	11.06	13.75	8.54	4.52	8.47	5.60	16.78
25	2.40	2.87	5.34	23.36	19.21	11.30	12.83	8.29	4.60	8.53	5.68	16.82
26	2.39	2.82	5.28	22.54	20.44	11.09	12.19	8.22	5.27	8.20	8.72	16.76
27	2.40	2.45	5.15	21.75	20.91	10.57	11.68	7.62	5.18	7.86	8.57	16.43
28	2.41	3.03	5.00	20.71	20.66	10.10	11.15	7.16	4.95	7.82	8.19	15.66
29	2.42	3.48	4.89	19.75	---	9.62	10.62	6.98	4.75	7.62	7.82	14.50
30	2.38	4.11	4.90	19.04	---	9.41	10.13	7.54	4.58	7.33	7.97	13.26
31	2.36	---	7.30	18.60	---	9.30	---	7.66	---	6.96	7.66	---
MEAN	2.45	2.84	6.07	17.37	15.51	15.07	17.09	10.70	5.62	7.88	6.40	10.89
MAX	2.57	4.11	9.77	24.02	20.91	24.22	28.33	16.17	7.40	13.59	8.72	16.84
MIN	2.36	2.33	3.85	10.88	11.46	9.30	9.11	6.09	4.32	3.91	4.50	4.94

OCT YR 1978 MEAN 7.18 MAX 20.41 MIN 2.33
 NOV YR 1978 MEAN 5.79 MAX 24.33 MIN 2.33

PEARL RIVER BASIN

02483000 TUSCOLAMETA CREEK AT WALNUT GROVE, MS

LOCATION.--Lat 32°35'18", long 89°27'54", in NW¼ sec.34, T.9 N., R.8 E., Choctaw Meridian, Leake County, Hydrologic Unit 03180001, on left bank at downstream side of bridge on State Highway 35, over north drainage canal, 0.4 mi (0.6 km) southwest of Walnut Grove, 0.6 mi (1.0 km) upstream from Gulf, Mobile and Ohio Railroad bridge, 7.5 mi (12.1 km) upstream from junction of north and south drainage canals, and 15.5 mi (24.9 km) upstream from mouth.

DRAINAGE AREA.--411 mi² (1,064 km²), combined drainage area for all channels.

PERIOD OF RECORD.--October 1938 to current year. Monthly discharge only for October to December 1938, published in WSP 1304. Daily mean gage heights published since October 1971.

REVISED RECORDS.--WSP 1002: 1943. WSP 1504: 1939-40, 1943-44(M).

GAGE.--Water-stage recorder. Prior to June 18, 1939, nonrecording gage and June 18, 1939, to July 13, 1953, water-stage recorder and nonrecording gage, at site 0.2 mi (0.3 km) upstream at same datum. Water-stage recorder, on south canal at bridge on State Highway 35, 1 mi (2 km) south of north canal gage. Prior to Nov. 24, 1943, nonrecording gage and Nov. 24, 1943, to Oct. 21, 1959, water-stage recorder, on south canal at site 1,800 ft (549 m) downstream, at same datum. Prior to Oct. 1, 1971, at datum 10.00 ft (3.048 m) higher. Datum of gages is 322.70 ft (98.359 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers).

REMARKS.--Records fair.

AVERAGE DISCHARGE.--41 years, 530 ft³/s (15.01 m³/s), 17.51 in/yr (445 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 34,600 ft³/s (980 m³/s) Jan. 7, 1950, gage height, 33.00 ft (10.058 m) present datum, north canal, at site 0.2 miles (0.3 km) upstream; maximum gage height, south canal, 31.53 ft (9.610 m) present datum, Jan. 7, 1950, at site 1,800 ft (549 m) downstream; minimum discharge, 2.4 ft³/s (0.068 m³/s) Oct. 2, 1954.

EXTREMES OUTSIDE PERIOD OF RECORD.--Prior to canalization, creek reached a stage of 34.5 ft (7.47 m), present datum, from floodmark, believed to be flood of April 1900.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 4,000 ft³/s (113 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)	Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
Jan. 3	1500	5240 148	25.51 7.775	Apr. 5	1000	6700 190	26.23 7.995
Jan. 8	2400	8070 229	26.63 8.117	Apr. 14	0200	23500 666	29.77 9.074
Jan. 21	1545	16000 453	28.59 8.714	Sept. 15	2100	4210 119	24.27 7.397
Feb. 25	1600	9140 259	27.04 8.242	Sept. 21	0115	4600 130	25.14 7.663
Mar. 5	0130	*24100 683	29.83 9.092	Sept. 23	1500	6020 170	26.00 7.925

Minimum daily discharge, 12 ft³/s (0.34 m³/s) Oct. 30.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	26	25	145	2210	1080	1890	134	115	126	35	54	230
2	25	18	95	3760	756	1430	372	100	103	35	48	162
3	20	13	76	4850	679	5430	3010	95	154	32	100	346
4	18	15	203	3210	1300	14700	5310	1050	233	31	336	338
5	23	13	256	891	1340	19100	6540	2640	205	33	520	186
6	24	15	170	460	1420	8090	5580	2680	263	34	282	129
7	21	19	103	4110	2900	3920	2190	1270	438	136	188	84
8	18	23	131	6340	3050	895	1290	348	310	215	93	66
9	21	28	1550	7120	2420	475	3110	182	155	216	243	55
10	14	25	1570	4460	978	393	3140	138	123	210	182	48
11	18	21	1390	1150	508	501	1910	115	688	467	84	45
12	17	20	854	455	398	470	4590	1660	479	973	80	42
13	17	19	326	365	342	355	14300	2370	182	1100	74	1640
14	15	17	165	323	304	298	20500	1780	107	878	74	3680
15	15	15	127	269	293	250	10100	497	76	572	62	4126
16	14	17	112	229	264	207	5480	185	63	301	49	3340
17	14	37	106	211	249	183	1220	125	58	146	41	818
18	13	60	99	247	1720	171	402	96	54	94	38	219
19	13	43	91	1070	2650	168	264	83	46	136	36	159
20	15	36	91	8320	2530	156	213	78	42	194	37	922
21	14	26	113	13800	1480	147	190	72	38	248	34	4410
22	13	18	163	11900	897	169	170	69	37	293	54	5020
23	15	15	138	7660	1800	963	186	214	38	427	184	5860
24	13	17	189	5910	4920	1180	256	1630	36	316	128	3980
25	10	19	321	4000	8380	632	320	2220	39	178	792	660
26	15	23	223	2820	7560	300	304	1180	47	157	1520	225
27	14	36	177	2510	4990	202	320	265	44	119	1140	156
28	13	67	138	2260	1460	163	270	135	00	125	922	158
29	13	89	115	1710	---	152	177	109	37	125	753	121
30	12	162	116	963	---	132	135	146	35	86	232	108
31	21	---	475	1060	---	126	---	171	---	67	195	---
TOTAL	522	971	9630	102143	54718	63248	91983	21818	4301	7979	8540	37311
MEAN	16.8	31.3	311	3295	2026	2040	3066	704	143	257	275	1244
MAX	26	152	1570	13800	8380	19100	20500	2680	688	1100	1520	5860
MIN	12	13	76	211	249	126	134	69	35	31	34	42
CF 50	.04	.08	.76	8.02	4.93	4.96	7.06	1.71	.35	.63	.67	3.03
CF 10	.05	.09	.87	9.25	5.13	5.72	8.33	1.97	.39	.72	.77	3.38
CAL Yr 1978	TOTAL	149680	FEAR	410	MAX	5960	STA 12	CF 50	1.00	14	13.55	
CAL Yr 1979	TOTAL	405160	FEAR	1110	MAX	20500	STA 12	CF 50	2.70	1	36.67	

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NOTE: HEIGHT (FEET ABOVE TIDE), WATER YEAR (OCTOBER 1978 TO SEPTEMBER 1979)
SEAS: VALUES

PIR YE 1979 KFAH 10.30 MAX 20.30 HIA 9.69

PEARL RIVER BASIN

02484000 YOCKANOOKANY RIVER NEAR KOSCIUSKO, MS

LOCATION.--Lat 33°01'55", long 89°34'40", in NE¼NE¼ sec.33, T.14 N., R.7 E., Choctaw Meridian, Attala County, Hydrologic Unit 03180001, on left bank at downstream side of bridge on State Highway 35, 2 mi (3 km) south of Kosciusko.

DRAINAGE AREA.--314 mi² (813 km²).

PERIOD OF RECORD.--August 1938 to current year. Prior to October 1947, published as Yokahockany River near Kosciusko.

REVISED RECORDS.--WSP 1504: 1946.

GAGE.--Water-stage recorder. Datum of gage is 374.34 ft (114.099 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to Mar. 28, 1939, nonrecording gage at same site and datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--41 years, 432 ft³/s (12.23 m³/s), 18.68 in/yr (474 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 40,700 ft³/s (1,150 m³/s) Apr. 13, 1979, gage height, 23.06 ft (7.029 m); minimum discharge, 2.3 ft³/s (0.065 m³/s) Aug. 20-24, 1943; minimum gage height, 0.10 ft (0.030 m) Sept. 3-6, 1939.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in December 1932 reached a stage of about 17 ft (5.2 m), from information by Corps of Engineers.

EXTREMES FOR CURRENT YEAR.--Peak discharge above base of 3,000 ft³/s (85 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Jan. 21	2300	14600	413	Apr. 13	1900	*40700	23.06
Feb. 27	0500	4510	128	Sept. 23	2000	3640	13.51
Mar. 5	1600	6970	197				

Minimum daily discharge, 11 ft³/s (0.31 m³/s) Oct. 12-14, 18, 19.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16	18	50	1160	583	1270	236	123	200	23	90	30
2	15	16	42	2470	423	734	383	118	111	21	64	128
3	14	16	40	1990	378	2650	1110	113	79	22	139	216
4	15	18	94	1480	415	5370	2230	294	79	20	192	123
5	16	21	106	512	363	6450	2240	869	65	17	141	72
6	15	23	66	322	432	5320	1820	772	66	26	108	46
7	14	28	49	525	1050	2640	911	402	77	126	88	35
8	13	30	63	703	1410	856	742	233	62	84	62	29
9	12	29	346	492	863	555	1560	163	49	100	49	25
10	12	28	319	279	517	462	1460	128	61	108	81	23
11	12	26	187	202	365	621	781	118	133	403	62	21
12	11	23	98	178	309	622	12900	365	95	1540	52	20
13	11	24	70	176	278	458	34300	646	52	1810	42	677
14	11	25	58	171	253	360	29800	353	39	2180	36	1300
15	12	25	53	144	240	297	13200	186	33	1480	32	1590
16	12	25	52	128	222	254	5100	127	29	255	29	1030
17	12	30	58	123	201	230	1830	93	27	122	27	378
18	11	40	57	179	613	214	552	73	26	86	26	269
19	11	39	53	468	1320	201	348	62	24	69	25	360
20	12	33	52	6100	1050	191	284	56	23	141	33	600
21	13	30	82	12200	693	186	245	52	21	344	46	2350
22	13	28	111	12700	610	219	228	49	22	303	59	3070
23	13	27	86	7360	773	1300	323	46	23	159	74	3370
24	13	28	75	3850	2590	2610	379	48	214	109	70	3110
25	16	30	68	1730	3940	2170	377	49	196	106	93	1080
26	18	30	57	788	4090	1200	377	45	79	105	151	250
27	14	34	53	1580	4330	410	297	43	52	130	126	140
28	13	39	49	2120	2820	288	216	46	38	128	91	108
29	13	43	49	1590	---	239	167	60	27	98	57	89
30	14	50	53	866	---	212	146	80	23	182	42	76
31	17	---	266	653	---	199	---	248	---	160	33	---
TOTAL	414	856	2862	63239	31131	38788	114542	6060	2025	10457	2220	20615
MEAN	13.4	28.5	92.3	2040	1112	1251	3818	195	67.5	337	71.6	687
MAX	18	50	346	12700	4330	6450	34300	869	214	2180	192	3370
MIN	11	16	40	123	201	186	146	43	21	17	25	20
CFSM	.04	.09	.29	6.50	3.54	3.98	12.2	.62	.22	1.07	.23	2.19
IN.	.05	.10	.34	7.49	3.69	4.60	13.57	.72	.24	1.24	.26	2.44
CAL YR 1978	TOTAL	118933	MEAN 326	MAX 12800	MIN 11	CFSM 1.04	IN 14.09					
WTR YR 1979	TOTAL	293209	MEAN 803	MAX 34300	MIN 11	CFSM 2.56	IN 34.74					

PEARL RIVER BASIN

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02484500 YOCKANOOKANY RIVER NEAR OFAHOMA, MS

LOCATION.--Lat 32°42'20", long 89°40'20", in NE¼NW¼ sec.22, T.10 N., R.6 E., Choctaw Meridian, Leake County, Hydrologic Unit 03180001, near center of main span on downstream side of bridge on State Highway 16, 1.5 mi (2.4 km) east of Ofahoma, 3 mi (5 km) upstream from mouth, and 8.5 mi (13.7 km) southwest of Carthage.

DRAINAGE AREA.--484 mi² (1,254 km²).

PERIOD OF RECORD.--October 1943 to current year. Daily mean gage heights published since October 1971. Prior to October 1947 published as Yokahockany River near Ofahoma.

REVISED RECORDS.--WSP 1204: 1948. WSP 1504: 1949.

GAGE.--Water-stage recorder. Datum of gage is 311.15 ft (94.839 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to Sept. 5, 1962, nonrecording gage at same site and datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--36 years, 686 ft³/s (19.43 m³/s), 19.25 in/yr (489 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 46,500 ft³/s (1,320 m³/s) Apr. 14, 1979, gage height, 23.27 ft (7.093 m); minimum, 4.9 ft³/s (0.14 m³/s) Aug. 20, Sept. 11, 1954; minimum gage height, 0.95 ft (0.290 m) Nov. 2, 1978.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 46,500 ft³/s (1,320 m³/s) Apr. 14, gage height, 23.27 ft (7.093 m); minimum, 18 ft³/s (0.51 m³/s) Nov. 2, gage height, 0.95 ft (0.290 m).

CORRECTIONS.--The date for the maximum discharge for water year 1978 should be May 11, not Apr. 6 as previously published.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	24	19	61	990	1960	4540	328	233	137	53	189	128
2	23	18	65	1120	1530	3820	325	198	230	45	198	414
3	24	19	69	1010	1180	4580	691	170	238	40	150	120
4	24	19	87	1260	1030	6360	1230	541	170	37	213	172
5	23	19	77	1710	858	6250	1470	911	131	35	244	238
6	23	20	120	1960	797	6340	1940	644	124	35	317	174
7	23	21	138	2060	1230	6900	2270	678	113	93	241	115
8	23	23	111	1840	1240	5700	2470	814	107	135	191	82
9	23	28	189	1320	1190	3800	4010	744	111	120	520	63
10	25	30	229	1210	1330	2450	2700	461	102	127	137	52
11	24	33	305	1180	1430	1640	2030	282	87	350	104	45
12	23	32	344	957	1210	1140	9200	832	87	1070	124	40
13	22	31	297	634	839	885	28000	1350	138	1030	100	438
14	23	30	188	447	574	828	34900	1150	126	867	80	1240
15	23	29	125	351	447	763	40900	1000	90	1170	68	1320
16	23	28	100	287	381	608	22700	748	73	1510	58	1560
17	22	29	85	237	344	468	10400	420	65	1720	52	1510
18	22	31	78	223	675	378	5540	244	58	1400	47	1400
19	22	32	80	426	897	328	3140	176	55	588	43	1220
20	22	41	81	4700	870	295	1940	144	50	225	40	1070
21	21	48	82	7840	1050	270	1120	125	46	204	38	3030
22	21	43	81	9820	1310	278	616	113	45	316	66	3120
23	21	39	115	12200	1550	1030	512	105	43	387	204	2700
24	21	35	145	11000	2950	1130	457	100	43	404	303	2520
25	21	32	127	7700	4670	1150	422	93	43	292	251	2520
26	21	32	109	5120	5040	1690	435	89	136	206	172	2670
27	21	34	97	4460	4590	2070	430	87	193	178	174	2400
28	20	38	81	3410	4240	1880	417	85	116	167	217	1620
29	22	46	71	2400	---	1310	371	91	80	178	177	744
30	22	57	68	2200	---	692	294	113	66	171	130	287
31	20	---	225	2230	---	409	---	118	---	136	267	---
TOTAL	692	936	4030	92302	45412	69982	186258	12859	3103	13284	5095	33012
MEAN	22.3	31.2	130	2977	1622	2257	6209	415	103	429	164	1100
MAX	25	57	344	12200	5040	6900	40900	1350	238	1720	520	3120
MIN	20	18	61	223	344	270	294	85	43	35	38	40
CFSM	.05	.06	.27	6.15	3.35	4.66	12.8	.86	.21	.89	.34	2.27
IN.	.05	.07	.31	7.09	3.49	5.36	14.32	.99	.24	1.02	.39	2.54
CAL YR 1978	TOTAL	175077	MEAN	480	MAX	11500	MIN	18	CFSM	.99	IN	13.46
WTH YR 1979	TOTAL	466970	MEAN	1279	MAX	40900	MIN	18	CFSM	2.64	IN	35.89

PEARL RIVER BASIN

02484500 YOCKANOOKANY RIVER NEAR OFAHOMA, MS--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR (OCTOBER 1978 TO SEPTEMBER 1979)
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.15	.97	1.80	7.61	11.31	15.42	4.45	4.00	2.89	1.87	3.37	2.78
2	1.14	.96	1.86	8.14	9.91	14.65	4.43	3.71	3.72	1.75	3.46	4.86
3	1.14	.98	1.91	7.72	8.62	15.34	6.44	3.45	3.79	1.67	3.02	2.70
4	1.14	.98	2.16	8.66	7.99	16.62	8.79	5.63	3.21	1.62	3.57	3.20
5	1.13	.98	2.02	10.16	7.26	16.57	9.71	7.71	2.82	1.57	3.82	3.79
6	1.12	.99	2.54	10.93	6.99	16.61	11.24	6.48	2.75	1.58	4.38	3.24
7	1.12	1.04	2.74	11.21	8.79	16.87	12.09	6.65	2.62	2.22	3.82	2.65
8	1.12	1.09	2.45	10.54	8.82	16.25	12.47	7.27	2.56	2.81	3.38	2.25
9	1.11	1.20	3.20	8.90	8.63	14.58	14.87	6.94	2.60	2.71	5.51	2.00
10	1.14	1.25	3.57	8.50	9.20	12.43	12.93	5.46	2.50	2.77	2.88	1.85
11	1.12	1.30	4.15	8.40	9.56	10.30	11.48	4.31	2.32	4.49	2.53	1.74
12	1.09	1.29	4.42	7.51	8.70	8.45	16.18	7.16	2.32	8.15	2.75	1.66
13	1.08	1.27	4.08	6.06	7.17	7.38	21.32	9.44	2.90	7.99	2.47	4.43
14	1.10	1.24	3.21	5.06	5.91	7.13	22.64	8.65	2.77	7.30	2.23	8.85
15	1.10	1.21	2.60	4.46	5.21	6.84	22.74	8.03	2.36	8.57	2.07	9.14
16	1.09	1.20	2.32	4.02	4.80	6.09	20.51	6.89	2.14	9.85	1.94	10.04
17	1.07	1.23	2.14	3.64	4.56	5.33	18.03	5.16	2.03	10.57	1.86	9.86
18	1.06	1.25	2.04	3.52	6.34	4.79	16.20	3.95	1.94	9.45	1.78	9.46
19	1.06	1.29	2.07	4.67	7.43	4.46	14.00	3.38	1.90	5.89	1.72	8.78
20	1.05	1.46	2.08	14.48	7.31	4.22	11.50	3.07	1.82	3.68	1.67	8.11
21	1.04	1.58	2.10	17.24	8.06	4.04	8.68	2.86	1.77	3.51	1.63	13.46
22	1.04	1.50	2.08	17.89	9.11	4.08	6.45	2.72	1.74	4.36	1.99	13.66
23	1.04	1.42	2.49	18.54	10.00	7.97	5.90	2.62	1.72	4.84	3.51	12.98
24	1.04	1.35	2.81	18.21	13.33	8.38	5.57	2.56	1.72	4.95	4.28	12.63
25	1.03	1.29	2.63	17.16	15.52	8.50	5.37	2.47	1.71	4.19	3.73	12.64
26	1.03	1.27	2.43	15.87	15.85	10.44	5.44	2.41	2.81	3.53	3.22	12.91
27	1.03	1.32	2.28	15.35	15.47	11.61	5.40	2.37	3.42	3.29	3.25	12.37
28	1.01	1.40	2.08	14.07	15.15	11.06	5.31	2.34	2.66	3.18	3.62	10.25
29	1.06	1.54	1.94	12.37	---	9.10	5.01	2.41	2.23	3.29	3.27	6.79
30	1.05	1.73	1.91	11.91	---	6.47	4.48	2.66	2.04	3.22	2.81	4.27
31	1.00	---	3.47	12.00	---	4.97	---	2.70	---	2.87	3.99	---
MEAN	1.08	1.25	2.57	10.48	9.18	9.90	10.99	4.69	2.46	4.44	3.02	7.11
MAX	1.15	1.73	4.42	18.54	15.85	16.87	22.74	9.44	3.79	10.57	5.51	13.66
MIN	1.00	.96	1.80	3.52	4.56	4.04	4.43	2.34	1.71	1.57	1.63	1.66
CAL YR 1978	MEAN 3.87		MAX 18.20	MIN .96								
WTR YR 1979	MEAN 5.57		MAX 22.74	MIN .96								

02486000 PEARL RIVER AT JACKSON, MS

LOCATION.--Lat 32°16'54", long 90°10'43", in NE¼NE¼ sec.15, T.5 N., R.1 E., Choctaw Meridian, Rankin County, Hydrologic Unit 03180002, on left bank at downstream side of bridge on U.S. Highway 80 at eastern city limits of Jackson, 0.4 mi (0.6 km) downstream from Illinois Central Railroad bridge, 0.4 mi (0.6 km) downstream from Town Creek, 4.2 mi (6.8 km) upstream from Richland Creek, and at mile 287.0 (461.8 km).

DRAINAGE AREA.--3,100 mi² (8,030 km²), approximately.

PERIOD OF RECORD.--June 1901 to December 1913 (prior to October 1901 and for 1913, gage heights only), August 1928 to current year. Daily mean gage heights published since October 1971. Gage-height records collected at Woodrow Wilson Bridge, 0.6 mi (1.0 km) upstream, 1904 to 1971 are contained in reports of National Weather Service.

REVISED RECORDS.--WSP 662: Drainage area. WSP 1504: 1903, 1909. WSP 1906: 1902(M).

GAGE.--Water-stage recorder. Datum of gage is 233.70 ft (71.232 m) National Geodetic Vertical Datum of 1929. Prior to Dec. 31, 1913; and Aug. 15, 1928, to Sept. 14, 1934, nonrecording gage. Prior to Oct. 1, 1975, at site at Woodrow Wilson Bridge, 0.6 mi (1.0 km) upstream, at datum 1.20 ft (0.366 m) higher. Since Oct. 1, 1962, auxiliary water-stage recorder and concrete control at Jackson waterworks pumping plant, 3.8 mi (6.1 km) upstream (channel change). Datum of supplementary gage is 239.40 ft (72.969 m) NGVD.

REMARKS.--Records fair. About 35 ft³/s (0.99 m³/s) is diverted upstream from station for municipal water supply for City of Jackson, most of which was returned to river and included in discharge records prior to the opening of the City of Jackson Waste Water Treatment Plant at Savannah Street Extension in 1975. Flow regulated since Sept. 27, 1961, by Ross R. Barnett Reservoir, 15 mi (24 km) upstream.

AVERAGE DISCHARGE.--62 years (1901-12, 1928-79), 4,018 ft³/s (113.8 m³/s), 17.60 in/yr (447 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 128,000 ft³/s (3,620 m³/s) Apr. 17, 1979, gage height, 43.28 ft (13.192 m), minimum daily discharge, 45 ft³/s (1.27 m³/s) Oct. 5, 1956, Sept. 18, 1963, regulated; minimum daily unregulated, 78 ft³/s (2.21 m³/s) Oct. 11, 1954.

EXTREMES OUTSIDE PERIOD OF RECORD.--According to information by local residents and from newspaper records, the flood of Apr. 25, 1874, reached a stage of 37 ft (11.3 m) and the flood of Dec. 5, 1880, reached a stage of 36½ ft (11¼ m), at former site and datum. The flood of Apr. 21, 1900, reached a stage of 36.7 ft (11.19 m), according to the Alabama and Vicksburg Railroad plans confirmed by local residents.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 128,000 ft³/s (3,620 m³/s) Apr. 17, gage height, 43.28 ft (13.192 m); minimum, 96 ft³/s (2.72 m³/s) Nov. 2, gage height 3.42 ft (1.042 m).

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1370	100	413	5950	20100	27200	1880	2390	1910	833	760	2970
2	1420	98	180	8240	18600	25400	1520	2780	1270	829	1080	2610
3	1270	100	224	8660	17400	24500	3630	3040	783	809	1160	2110
4	1260	100	572	8360	16600	33300	6760	5100	796	796	1340	1960
5	1200	108	630	8560	16100	34800	10700	8590	1780	786	1230	1930
6	1140	129	679	8430	15600	37100	14300	8930	4670	879	1610	1880
7	1060	163	784	10500	15300	38100	14500	8840	8810	909	1780	1120
8	1000	114	1070	11600	14600	38800	13500	8510	2170	686	2010	930
9	927	112	2450	13500	13200	39600	13800	6940	1510	712	1810	886
10	575	106	1960	15500	12300	34300	15500	4780	886	793	1560	763
11	220	112	4080	15900	11400	33200	16300	2460	886	1890	1400	603
12	145	112	4810	14600	10400	23300	26600	3170	856	4240	1540	699
13	125	114	4730	14800	8920	16700	45100	3830	700	5720	1570	2780
14	127	112	3960	12000	7030	14300	72900	6200	629	9220	987	3680
15	125	112	1160	10500	5320	11800	107000	7740	613	9850	903	5930
16	123	114	885	9180	4510	8660	120000	7580	610	9950	893	6830
17	118	127	792	7590	4110	6140	126000	5890	607	7990	886	7100
18	118	120	619	5970	3870	4030	112000	3340	660	5640	879	7040
19	114	114	225	6540	4000	3360	91400	1730	783	3700	705	6080
20	110	110	257	16100	5870	2650	62900	3180	667	3140	654	6310
21	100	109	1010	24000	7370	2070	41000	3150	679	3190	403	11400
22	100	106	1400	31600	8700	2200	29500	3050	641	3500	354	13900
23	100	120	881	31800	10600	3050	23700	2410	619	4470	677	16400
24	100	127	873	42200	16100	4040	18700	1290	613	3600	396	18100
25	103	125	865	41800	20800	5580	14500	1010	654	1880	1050	16300
26	100	150	772	42200	20800	5520	9770	1120	770	1890	1700	14100
27	100	215	578	42400	28500	4510	6520	999	551	2150	1210	14200
28	100	182	565	38400	28700	4310	1200	1200	770	2660	14200	14200
29	100	332	523	32600	---	4030	3140	1430	806	2210	2580	12200
30	100	290	290	21000	---	3410	2480	2160	876	1170	2400	8650
31	100	---	5260	24100	---	2040	---	3000	---	950	2810	---
TOTAL	13593	4268	42907	595130	371200	598720	1030110	126330	34265	96902	40997	203711
FAA	838	102	1384	19200	13260	16410	34300	4075	1102	3126	1522	6790
FAA	1370	950	4810	32900	28700	39600	126000	8930	8670	9950	2810	16100
FAA	100	68	180	5950	3870	2070	1520	899	551	686	354	603
FAA	105	105	805	619	429	529	11.1	1.32	1.37	1.01	.83	2.19
FAA	116	116	541	7.14	9.05	6.11	12.36	1.52	.81	1.16	.89	2.44
FAA	1979	TOTAL	1150865	FAA	3153	FAA	29200	FAA	1.02	TOTAL	13.81	
FAA	1979	TOTAL	3062822	FAA	8406	FAA	126000	FAA	2.71	TOTAL	36.82	

PEARL RIVER BASIN

02486000 PEARL RIVER AT JACKSON, MS--Continued

GAGE HEIGHT (FEET ABOVE DATUM), HALF YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.09	3.47	4.54	16.92	---	31.60	8.70	10.40
2	6.98	3.43	3.72	20.77	---	31.06	7.85	11.80
3	6.90	3.40	3.92	21.42	---	32.34	12.91	13.40
4	6.88	3.43	4.44	21.13	---	33.40	18.71	17.18
5	6.75	3.47	5.19	21.48	---	33.78	23.52	22.70
6	6.61	3.56	5.32	21.41	---	34.25	26.49	25.10
7	6.44	3.71	5.61	23.78	---	34.42	26.59	25.00
8	6.31	3.49	6.27	24.79	---	34.55	26.94	27.70
9	6.13	3.47	10.59	26.34	---	34.67	---	27.76
10	6.20	3.44	8.32	27.59	---	34.63	---	10.65
11	6.10	3.46	13.74	27.81	---	33.36	27.77	11.00
12	3.75	3.46	14.36	26.92	---	30.41	31.40	12.56
13	3.70	3.46	14.22	26.26	---	27.81	35.49	15.44
14	3.70	3.45	12.63	24.76	---	26.24	38.64	18.78
15	3.67	3.44	6.52	23.37	---	20.29	41.70	21.06
16	3.65	3.45	5.42	21.43	---	21.05	42.75	20.86
17	3.61	3.50	5.70	19.69	---	17.31	43.17	18.23
18	3.58	3.47	5.22	16.90	---	13.01	42.15	12.51
19	3.56	3.44	4.01	17.71	---	11.65	40.40	8.57
20	3.55	3.41	4.11	27.28	---	10.14	37.65	11.95
21	3.50	3.38	6.20	---	19.30	8.85	34.85	11.86
22	3.51	3.38	7.12	---	21.11	9.18	32.41	11.49
23	3.45	3.45	5.96	34.38	23.04	10.93	30.59	10.50
24	3.50	3.47	5.95	36.09	27.30	14.00	28.55	7.16
25	3.52	3.46	5.94	34.47	26.44	16.41	26.40	6.04
26	3.51	3.60	5.71	35.10	30.85	16.44	23.48	6.82
27	3.50	3.83	5.20	---	32.02	14.25	19.87	6.20
28	3.49	3.54	5.17	---	32.10	13.68	15.30	7.12
29	3.48	4.54	5.05	---	---	13.31	12.60	7.76
30	3.45	4.67	5.91	---	---	12.06	11.00	9.67
31	3.47	---	11.34	---	---	10.06	---	11.77
MEAN	6.50	3.56	6.41	---	---	22.23	---	13.81
MAX	7.09	4.67	14.38	---	---	34.67	---	23.10
MIN	3.47	3.38	3.72	---	---	8.85	---	6.20

O/L YR 1978 MEAN 9.17 MAX 31.81 MIN 3.38

16.18

28.27

5.07

PEARL RIVER BASIN

149

02488500 PEARL RIVER NEAR MONTICELLO, MS

LOCATION.--Lat 31°33'12", long 90°05'16", in SW¼ sec.23, T.7 N., R.21 W., St. Stephens Meridian, Lawrence County, Hydrologic Unit 03180003, near left bank on downstream side of pier of bridge on U.S. Highway 84, 1.0 mi (1.6 km) east of Monticello, 2.5 mi (4.0 km) upstream from Halls Creek, 3 mi (5 km) upstream from Silver Creek and at mile 190.8 (307.0 km).

DRAINAGE AREA.--5,040 mi² (13,050 km²), approximately.

PERIOD OF RECORD.--October 1938 to current year. Daily mean gage heights published since January 1972. Gage-height records collected in vicinity since 1924, are contained in reports of National Weather Service.

REVISED RECORDS.--WSP 1504: 1939, 1949.

GAGE.--Water-stage recorder. Datum of gage is 158.66 ft (48.360 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to Dec. 12, 1938, nonrecording gage; Dec. 12, 1938, to Jan. 10, 1949, water-stage recorder; and Jan. 11, 1949, to Oct. 16, 1952, nonrecording gage, all at same site and datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--41 years, 6,567 ft³/s (186.0 m³/s), 17.69 in/yr (449 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 122,000 ft³/s (3,460 m³/s) Apr. 20, 1979, gage height, 34.08 ft (10.388 m); minimum, 269 ft³/s (7.62 m³/s) Oct. 24, 1963.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in April 1902 reached a stage of about 33 ft (10 m), from reports of National Weather Service, discharge, about 100,000 ft³/s (2,830 m³/s), from rating curve extended above 70,000 ft³/s (1,980 m³/s).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 122,000 ft³/s (3,460 m³/s) Apr. 20, gage height, 34.08 ft (10.388 m) from graph based on readings; minimum, 391 ft³/s (11.1 m³/s) Nov. 4, gage height, 4.23 ft (1.289 m).

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1780	420	1490	8820	46300	33700	6740	8820	3990	1600	2590	3310
2	1780	421	1230	13200	43000	31800	6350	6330	4740	1670	2040	3500
3	1750	421	1020	14300	39200	33700	12200	5790	4620	1680	2110	3700
4	1760	394	1540	13500	35900	40300	20800	6340	3720	1640	2360	3390
5	1710	391	2480	12200	32800	44200	23200	9310	3150	1590	2180	3000
6	1680	418	2080	11400	31900	45200	22100	11900	3440	1600	3220	2780
7	1580	457	1530	12400	32200	46000	20000	13000	7470	1770	2650	2690
8	1500	466	1570	15600	31600	45900	18900	13300	8620	2750	2640	2480
9	1430	482	4820	17200	29800	44300	18300	13100	6900	4090	2680	1880
10	1370	494	11200	17400	27600	42500	17600	12300	4390	3580	2740	1520
11	1290	472	8280	16900	24400	41600	17300	11000	3280	4090	2590	1430
12	1110	451	6180	16400	21200	41500	17700	9240	2540	10400	2360	1350
13	783	451	6080	15900	17900	41200	19800	8160	2280	12100	2220	1220
14	598	454	5670	15500	15700	39900	20200	7450	2180	14100	2390	1570
15	508	448	5200	15100	13800	36800	32300	7640	2070	15700	2370	3720
16	475	451	3980	14400	11700	32300	44000	8740	1840	14500	1850	5740
17	454	472	2280	13200	9520	27500	60900	9490	1770	12500	1600	7640
18	454	478	1720	12300	10200	21800	91600	9570	1680	11300	1550	8160
19	448	485	1530	13200	14200	14900	114000	8130	1630	10200	1510	7290
20	442	482	1340	16600	14300	9720	121000	5290	1630	8070	1450	7630
21	435	472	1080	29300	13000	7020	114000	4290	1680	6570	1340	12000
22	435	460	1030	35400	12400	6900	101000	4770	1630	6780	1520	14900
23	435	454	1560	37700	13700	6620	49500	4630	1590	6250	1950	15500
24	439	448	1880	39800	26500	7470	77800	6470	1580	5930	1680	15900
25	439	445	1860	41200	36000	9440	66800	6500	1530	5990	1760	16300
26	439	460	1770	42700	39100	9940	57500	5000	1570	5640	2170	16000
27	442	540	1650	47000	38300	9730	49800	3940	1550	5010	2920	15000
28	445	634	1470	48300	35800	9310	41200	3280	1570	4800	2930	14100
29	445	746	1270	48100	---	8350	28900	2870	1500	3970	3190	13300
30	435	1310	1610	47700	---	7910	15400	2930	1510	3620	3790	12700
31	427	---	4590	47600	---	7430	---	5160	---	3210	3550	---
TOTAL	27730	15001	90990	751320	718020	805880	1355390	232880	87630	192700	72500	219700
MEAN	895	500	2935	24200	25600	26000	45180	7512	2921	6216	2349	7323
MAX	1780	1310	11200	48300	46300	46000	121000	14300	8620	15700	3790	16300
MIN	427	391	1020	8820	9520	6620	6350	2870	1500	1590	1340	1220
CSH	1.1	1.0	1.58	6.80	5.09	5.16	8.96	1.49	1.58	1.23	1.46	1.45
TS	2.0	1.1	6.7	5.50	5.30	5.95	10.00	1.72	1.45	1.42	1.54	1.62

CAL YR 1978 TOTAL 1900400 MEAN 5207 MAX 28800 MIN 391 CFS 1.03 IN 14.03
 YR 1979 TOTAL 8568705 MEAN 12520 MAX 121000 MIN 391 CFS 2.08 IN 33.72

PEARL RIVER BASIN

02488500 PEARL RIVER NEAR MONTICELLO, MS--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.61	6.50	6.23	15.16	27.07	25.13	11.53	---	10.35	7.33	8.73	9.61
2	6.61	6.43	5.87	16.38	26.91	24.70	11.20	12.42	11.06	7.43	7.97	9.83
3	6.56	6.33	5.57	17.10	26.23	25.13	15.66	11.96	10.90	7.45	8.07	10.05
4	6.57	6.20	6.36	16.56	25.58	26.45	20.88	12.03	10.06	7.38	8.02	9.71
5	6.51	6.25	7.02	15.62	24.90	27.12	21.90	14.73	9.03	7.31	8.97	9.20
6	6.47	6.32	6.97	15.06	24.73	27.28	21.85	16.52	9.72	7.32	9.51	8.97
7	6.45	6.28	6.28	15.70	24.80	27.42	20.58	17.16	13.32	7.58	8.81	8.86
8	6.26	6.08	6.33	16.05	20.65	27.40	20.07	17.30	10.21	8.91	8.80	8.58
9	6.15	6.53	9.66	19.15	20.21	27.10	19.75	17.23	12.87	10.43	8.85	7.75
10	6.06	6.57	10.93	19.20	23.44	26.80	19.36	16.76	10.72	9.91	8.92	7.20
11	5.94	6.50	12.73	18.90	22.01	26.69	19.16	15.96	9.57	10.27	8.73	7.05
12	5.76	6.45	11.07	18.82	21.00	26.66	19.01	14.68	8.68	15.09	8.02	6.92
13	5.26	6.05	10.96	18.24	19.53	26.62	20.45	13.86	8.31	16.61	8.23	6.71
14	4.80	6.00	10.61	18.02	18.17	26.36	22.09	13.40	8.17	17.79	8.47	7.25
15	4.61	6.02	10.16	17.73	16.82	25.76	23.75	13.47	8.01	18.72	8.04	10.08
16	4.51	6.43	8.98	17.20	---	24.81	25.53	14.30	7.69	18.06	7.69	12.00
17	4.40	6.50	7.20	16.36	13.71	23.40	28.23	14.86	7.52	16.90	7.32	13.65
18	4.00	6.52	6.52	15.68	10.18	21.30	31.18	14.92	7.05	16.10	7.25	14.09
19	4.42	6.50	6.28	16.38	17.06	17.50	33.32	15.80	7.36	15.35	7.18	13.49
20	4.40	6.53	6.02	18.70	17.16	13.85	30.02	11.50	7.37	13.79	7.09	13.80
21	4.39	6.50	5.65	23.92	16.22	12.48	33.36	10.60	7.45	12.62	6.91	16.93
22	4.36	6.46	5.58	25.47	15.79	11.67	32.15	11.08	7.37	12.78	7.20	18.65
23	4.35	6.40	6.32	25.93	16.68	11.03	30.97	10.46	7.31	12.35	7.85	19.01
24	4.39	6.42	6.73	26.36	22.80	---	29.73	12.50	7.29	12.08	7.45	19.23
25	4.36	6.41	6.70	26.61	25.59	---	28.47	12.56	7.22	12.13	7.57	19.45
26	4.35	6.06	6.59	26.86	26.22	---	27.30	11.29	7.27	11.84	8.15	19.32
27	4.00	6.70	6.03	27.58	26.06	---	26.30	10.30	7.20	11.30	9.15	18.78
28	4.41	6.52	6.20	27.80	25.55	13.55	25.14	9.58	7.28	11.11	9.16	18.32
29	4.41	5.17	5.93	27.77	---	12.84	23.09	9.09	7.17	10.33	9.47	17.90
30	4.36	5.59	6.38	27.70	---	12.47	---	9.16	7.18	9.96	10.14	17.57
31	4.35	---	9.58	27.68	---	12.10	---	9.40	---	9.49	9.88	---
MEAN	5.19	6.53	7.68	20.51	---	---	---	---	8.85	11.81	8.35	12.67
MAX	6.60	5.59	10.93	27.80	---	---	---	---	14.21	18.72	10.14	19.45
MIN	4.35	6.23	5.57	13.16	---	---	---	---	7.17	7.31	6.91	6.71

CAL YR 1978 MEAN 5.16 MAX 23.48 MIN 4.23

02488700 WHITESAND CREEK NEAR OAK VALE, MS

LOCATION.--Lat 31°28'14", long 89°58'25", in Swk sec.24, T.6 N., R.20 W., St. Stephens Meridian, Lawrence County, Hydrologic Unit 03180003, near right bank on downstream side of bridge on State Highway 43, 1.2 mi (1.9 km) upstream from Illinois Central Railroad bridge, 2.3 mi (3.7 km) north of Oak Vale, and 3.7 mi (6.0 km) upstream from mouth.

DRAINAGE AREA.--131 mi² (339 km²).

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

GAGE.--Water-stage recorder. Datum of gage is 182.20 ft (55.535 m), Mississippi State Highway Department datum.

REMARKS.--Records fair.

AVERAGE DISCHARGE.--14 years, 192 ft³/s (5.437 m³/s), 19.90 in/yr (505 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 25,400 ft³/s (719 m³/s) Apr. 13, 1974 (gage height, 18.76 ft or 5.718 m); minimum, 59 ft³/s (1.67 m³/s) Sept. 12-16, 1972.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Mar. 28, 29, 1961, reached a stage of 17.11 ft (5.215 m) from floodmark, discharge, 15,900 ft³/s (450 m³/s). Maximum stage known since at least 1879, 20½ ft (6¼ m) in April 1900, and flood in January 1925 reached a stage of 17.3 ft or 5.27 m (from information by local residents).

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 2,500 ft³/s (70.8 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)	Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)				
Jan. 21	0745	2720	77.0	8.53	2.600	Sept. 21	2245	2820	79.9	8.64	2.633
Mar. 4	2315	*3740	106	9.60	2.926						

Minimum discharge, 89 ft³/s (2.52 m³/s) Nov. 23, 24, 26, gage height, 3.88 ft (1.183 m).

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	98	94	127	308	359	184	142	240	180	155	131	109
2	96	93	111	373	258	191	157	218	172	172	127	113
3	96	91	109	221	270	1940	532	202	163	157	127	140
4	96	91	157	162	437	3150	789	324	159	144	127	140
5	96	91	197	146	473	1200	581	637	189	140	125	117
6	94	93	144	146	833	421	285	373	229	140	123	111
7	94	100	123	246	1140	301	221	270	199	181	121	115
8	93	98	215	264	711	255	194	301	174	186	117	113
9	93	94	536	179	369	223	179	273	167	223	117	109
10	93	91	246	151	276	207	169	221	162	181	115	107
11	93	91	157	140	235	223	162	204	160	226	117	105
12	90	91	135	135	212	212	157	295	155	473	119	105
13	94	91	129	131	194	191	184	452	155	285	117	207
14	93	91	125	129	184	181	229	304	155	387	115	292
15	93	91	119	125	176	169	167	197	153	258	117	142
16	93	93	119	123	167	164	146	174	153	169	115	119
17	93	93	119	119	160	160	137	162	153	169	113	113
18	93	98	117	140	255	160	133	158	153	179	111	113
19	93	93	117	179	359	157	131	153	151	223	111	111
20	93	91	117	1290	240	155	129	151	151	301	109	514
21	93	91	127	2300	223	153	133	148	148	464	105	2070
22	93	91	129	1010	210	155	181	148	151	226	119	1590
23	94	91	119	567	285	292	527	194	151	164	140	387
24	93	91	121	1040	1730	246	877	204	151	151	125	249
25	94	91	127	784	1780	174	671	191	153	235	117	212
26	94	93	119	417	618	155	352	173	151	237	129	199
27	94	113	115	1050	338	148	1080	164	148	235	119	184
28	94	135	111	1060	267	146	768	158	148	197	119	174
29	93	121	109	421	---	144	338	154	148	162	117	164
30	93	148	157	314	---	142	267	194	148	146	111	155
31	93	---	324	410	---	142	---	202	---	135	111	---
TOTAL	2905	2924	4777	14080	12759	11741	10018	7239	4830	6701	3686	8379
MEAN	93.8	97.5	154	454	456	379	334	234	161	216	119	279
MAX	98	148	536	2300	1780	3150	1080	637	229	473	140	2070
MIN	93	91	109	119	160	142	129	148	148	135	105	105
CFSM	.72	.74	1.18	3.47	3.48	2.89	2.55	1.79	1.23	1.65	.91	2.13
IN.	.83	.83	1.36	4.00	3.62	3.33	2.84	2.06	1.37	1.90	1.05	2.38
CAL YR 1978	TOTAL	57382	MEAN	157	MAX	1420	MIN	91	CFSM	1.20	IN	16.29
WTR YR 1979	TOTAL	90043	MEAN	247	MAX	3150	MIN	91	CFSM	1.89	IN	25.57

02489500 PEARL RIVER NEAR BOGALUSA, LA

LOCATION.--Lat 30°47'35", long 89°49'15", on line between secs. 17 and 18, T.3 S., R.14 E., Washington Parish, Hydrologic Unit 03180004, near right bank on downstream side of bridge on State Highway 10, 2.0 mi (3.2 km) east of Bogalusa, and 2.0 mi (3.2 km) upstream from Bogue Lusa Creek.

DRAINAGE AREA.--6,630 mi² (17,170 km²), approximately.

PERIOD OF RECORD.--October 1938 to current year.

GAGE.--Water-stage recorder. Datum of gage is 55.00 ft (16.764 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to July 29, 1954, nonrecording gage at same site and datum.

REMARKS.--Water-discharge records good.

AVERAGE DISCHARGE.--41 years, 9,547 ft³/s (270.4 m³/s), 19.56 in/yr (497 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 129,000 ft³/s (3,650 m³/s) Apr. 24, 1978, gage height, 23.23 ft (7.081 m); minimum, 1,020 ft³/s (28.9 m³/s) Oct. 29 to Nov. 1, 1963; minimum gage height, 4.84 ft (1.475 m) Oct. 30, 31, 1963.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Apr. 11, 1938, reached a stage of 21.0 ft (6.40 m).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 129,000 ft³/s (3,650 m³/s) Apr. 24, gage height, 23.23 ft (7.081 m); minimum, 1,430 ft³/s (40.5 m³/s) Nov. 5, gage height, 6.34 ft (1.932 m).

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2660	1490	2940	3540	57000	45900	9900	48700	5790	2890	6540	5010
2	2790	1480	2860	6440	57000	48100	9410	43500	5720	2840	5870	5130
3	2830	1460	2840	10100	57000	49200	13300	31700	6080	2960	5270	5200
4	2870	1460	2930	13400	56800	50300	36600	16600	6660	3000	4820	5360
5	2860	1460	2930	15200	56800	50600	42500	12600	6720	2970	4410	5480
6	2840	1480	3360	15500	57000	51900	39200	12400	5950	2890	4430	5170
7	2800	1560	3990	15200	56300	52800	36500	13400	5280	2850	4650	4830
8	2770	1660	3790	15200	54000	54000	34800	15200	5570	3040	4970	4490
9	2700	1710	3460	15600	51200	54700	33400	17000	8150	4040	4640	4290
10	2650	1700	3900	16900	49000	55200	31000	17600	9780	5060	4440	4060
11	2590	1660	7550	18500	47400	56500	28400	17400	8980	6270	4530	3670
12	2550	1650	10500	19500	45700	55800	26400	16900	7040	7420	4740	3260
13	2500	1640	10200	20200	43700	54500	24900	16400	5550	10100	5030	3300
14	2430	1600	8370	20300	40800	53500	24000	15500	4530	14000	4570	4440
15	2200	1590	7830	19600	37100	52800	24900	13600	4090	16200	4190	4500
16	1980	1590	7370	19000	31000	52400	27100	11600	3890	17600	4110	3700
17	1830	1590	7030	18600	23400	51700	30400	10700	3740	18400	4080	4700
18	1700	1600	6100	17900	18600	50600	34300	11200	3530	18300	3740	6700
19	1660	1640	4690	16900	18200	49000	38200	11900	3430	17400	3420	8930
20	1640	1640	3830	16800	18000	46100	44200	12000	3210	16100	3280	9780
21	1600	1600	3430	23000	18200	39800	60400	10900	3120	14900	3250	11000
22	1590	1600	3260	30700	19400	23800	94400	8440	3040	13800	3210	15000
23	1590	1590	3060	35600	19000	15800	122000	7240	3030	12000	3790	18100
24	1570	1590	2890	40000	23800	13400	127000	7700	3030	10600	4630	19700
25	1530	1590	2940	43500	34500	11300	115000	7590	2980	11700	4440	20100
26	1510	1630	3310	46800	40200	10500	95700	8250	2940	14500	4050	20000
27	1520	1920	3400	49900	41400	11100	77400	8490	2900	14400	4340	20400
28	1520	2700	3300	51500	42900	11700	64700	7350	2860	13800	4330	20600
29	1500	3000	3160	52800	---	11900	57300	6120	2860	11000	4570	20200
30	1490	2870	3110	54500	---	11300	52600	5830	2890	8890	4600	19200
31	1480	---	3060	56500	---	10500	---	5450	---	7430	4700	---
TOTAL	65750	51750	141340	799180	1115400	1206500	1455910	449760	143240	307350	137640	286300
MEAN	2121	1725	4561	25780	39840	39820	48530	14510	4775	9915	4440	9543
MAX	2870	3000	10500	56500	57000	56500	127000	48700	9780	18400	6540	20600
MIN	1480	1460	2840	3540	18000	10500	9410	5630	2860	2840	3210	3260
CFSM	.32	.26	.69	3.89	6.01	5.87	7.32	2.19	.72	1.50	.67	1.44
IN.	.37	.29	.79	4.48	6.26	6.77	8.17	2.52	.80	1.72	.77	1.61
CAL YR 1978 TOTAL	3043270		MEAN	8338	MAX	37100	MIN	1460	CFSM	1.26	IN	17.08
WTR YR 1979 TOTAL	6160170		MEAN	16880	MAX	127000	MIN	1460	CFSM	2.55	IN	34.56

PEARL RIVER BASIN

02490500 BOGUE CHITTO NEAR TYLERTOWN, MS

LOCATION.--Lat 31°10'37", long 90°16'48", in SE 1/4 sec. 34, T.3 N., R.9 E., Washington Meridian, Pike County, Hydrologic Unit 03180005, near right bank on downstream side of bridge on U.S. Highway 98, 0.2 mi (0.3 km) upstream from Fernwood, Columbia and Gulf Railroad bridge, 0.2 mi (0.3 km) upstream from Bars Branch, 2.2 mi (3.5 km) downstream from Topisaw Creek, and 9 mi (14 km) northwest of Tylertown.

DRAINAGE AREA.--502 mi² (1,300 km²).

PERIOD OF RECORD.--August 1944 to current year.

REVISED RECORDS.--WSP 1504: 1945 (P), 1946(M), 1947-51, 1953.

GAGE.--Water-stage recorder. Datum of gage is 227.40 ft (69.312 m) National Geodetic Vertical Datum of 1929.

REMARKS.--Records good.

AVERAGE DISCHARGE.--35 years, 794 ft³/s (22.49 m³/s), 21.48 in/yr (546 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 45,700 ft³/s (1,290 m³/s) Jan. 7, 1950, gage height, 33.50 ft (10.211 m); minimum, 175 ft³/s (4.96 m³/s) Oct. 31, 1963; minimum gage height, 6.08 ft (1.853 m), part of each day Oct. 13-22, 1972.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in February 1936 reached a stage 1.2 ft (0.37 m) higher than the flood of Jan. 7, 1950, at the railroad bridge, 0.2 mi (0.3 km) downstream.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 6,000 ft³/s (170 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)	Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
Feb. 25	2100	*12800 362	20.64 6.291	Apr. 24	1800	8770 248	17.73 5.404
Mar. 4	0300	6440 182	15.44 4.706				

Minimum discharge, 260 ft³/s (7.36 m³/s) part of each day Oct. 18-24, gage height, 6.53 ft (1.990 m).

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	306	265	453	985	1770	1060	407	625	674	303	472	315
2	298	267	393	1350	1400	865	419	564	536	303	464	354
3	292	267	360	1410	1060	4150	1080	528	476	315	464	472
4	300	267	449	830	1570	5890	3500	548	516	309	418	381
5	295	267	679	556	2480	5540	3070	930	540	300	393	357
6	285	277	607	492	4260	4140	3350	1550	488	300	375	345
7	282	292	442	564	5580	1840	1950	1330	421	400	366	369
8	277	287	488	900	4160	1140	897	693	397	638	357	381
9	275	292	790	865	3370	928	697	564	375	488	345	339
10	275	285	1220	611	1720	800	624	504	366	697	342	315
11	275	282	1420	508	1080	781	572	468	460	1340	348	306
12	272	285	965	456	890	748	523	576	393	3330	354	303
13	275	285	532	435	770	693	548	880	363	2150	339	306
14	270	285	442	414	697	635	795	532	348	2300	330	303
15	267	287	407	393	643	583	620	460	339	1190	324	297
16	265	290	390	384	593	548	496	432	336	751	321	295
17	262	306	378	375	548	524	446	411	333	552	318	300
18	262	309	372	372	688	508	421	397	330	472	315	303
19	262	312	366	372	1390	495	404	387	327	464	309	300
20	260	303	360	2880	1660	480	397	378	324	564	306	432
21	260	297	366	5110	1050	470	407	372	321	1300	303	1020
22	262	295	381	4580	780	465	1730	369	318	1050	333	930
23	260	295	372	4830	1190	545	7570	400	318	770	428	552
24	262	297	366	5150	8420	596	8220	404	315	576	484	400
25	262	297	366	3180	10800	514	5830	384	315	860	492	354
26	262	306	372	2860	8510	462	2710	366	312	1360	446	336
27	265	411	363	4010	3760	440	1370	360	312	1680	400	327
28	265	442	354	3550	1610	429	1160	354	309	1670	384	321
29	262	411	351	3120	---	421	965	360	306	1120	348	315
30	262	387	366	2060	---	416	724	532	306	701	330	309
31	265	---	428	1550	---	411	---	810	---	544	321	---
TOTAL	8442	9148	15598	55152	72449	37517	51902	17468	11474	28797	11529	11637
MEAN	272	305	503	1779	2587	1210	1730	563	382	929	372	388
MAX	306	442	1420	5150	10800	5890	8220	1550	674	3330	492	1020
MIN	260	265	351	372	548	411	397	354	306	300	303	295
CFSM	.54	.61	1.00	3.54	5.15	2.41	3.45	1.12	.76	1.85	.74	.77
IN.	.63	.68	1.16	4.09	5.37	2.78	3.85	1.29	.85	2.13	.85	.86

CAL YR 1978	TOTAL	248368	MEAN 680	MAX 12500	MIN 260	CFSM 1.36	IN 18.40
WTR YR 1979	TOTAL	331113	MEAN 907	MAX 10800	MIN 260	CFSM 1.81	IN 24.54

TENNESSEE RIVER MAIN STEM

03589500 TENNESSEE RIVER AT FLORENCE, AL

LOCATION.--Lat 34°47'13", long 87°40'12", in SW 1/4 sec.14, T.3 S., R.11 W., Lauderdale County, Hydrologic Unit 06030005, on right bank at lower end of Patton Island, 137 ft (41.8 m) upstream from Southern Railway bridge, 700 ft (213 m) upstream from O'Neal Bridge on U.S. Highway 72, 1.1 mi (1.8 km) south of Florence Post Office, 1.7 mi (2.7 km) upstream from Cypress Creek, 2.7 mi (4.3 km) downstream from Wilson Dam, and at mile 256.7 (413.0 km).

DRAINAGE AREA.--30,810 mi², approximately, (79,798 km²).

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 (122.261 m) 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 (41.8 m) 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 (427 m) upstream at same datum. Since Oct. 1, 1938, auxiliary water-stage recorder 15.2 mi (24.5 km) downstream.

REMARKS.--Water-discharge records good except those below 25,000 ft³/s (708 m³/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.--85 years, 51,870 ft³/s (1,469 m³/s), 22.82 in/yr (581 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge 530,000 ft³/s (1,500 m³/s) Mar. 17, 1973 (gage height, 30.03 ft (9.153 m); maximum gage height, 32.5 ft (9.91 m) Mar. 19, 1897; minimum daily, 105 ft³/s (2.97 m³/s) Sept. 7, 1969 (computed on basis of Wilson Dam records); minimum gage height, -0.30 ft (-0.914 m) Oct. 8, 1925, caused by filling of Wilson Lake.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in 1867 reached a stage of 31.1 ft (9.48 m), from National Weather Service records, discharge, 421,000 ft³/s (1,190 m³/s).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 237,000 ft³/s (6,710 m³/s) Mar. 6, maximum, gage height, 20.21 ft (6.157 m) Mar. 7; minimum daily, 11,200 ft³/s (317 m³/s) Nov. 7.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15000	26500	34800	117000	97600	156000	56000	51600	109000	33700	63400	67800
2	25600	11200	25300	136000	89800	155000	69800	50900	122000	38200	60100	64400
3	31700	18900	27900	124000	73600	163000	77100	51700	121000	40800	62500	73300
4	23200	15300	47200	121000	76700	189000	70000	89800	104000	36000	64300	57100
5	20400	14100	52800	121000	63400	218000	63300	71000	75800	35400	61300	56200
6	26900	14400	48600	121000	52100	233000	50400	50800	68800	37400	57000	56900
7	26100	13800	48800	135000	58800	230000	50100	43600	71900	41600	52000	55000
8	16700	15100	45700	135000	71300	222000	45400	47000	68300	43500	45800	49300
9	25900	15100	71400	128000	69500	204000	50200	46200	59700	38000	45800	44400
10	25800	14600	87900	129000	59300	191000	53900	49000	53100	38700	44400	49300
11	21000	14000	71700	125000	62000	175000	60500	49700	59200	44000	46200	51200
12	19000	13400	64800	122000	62500	155000	110000	41600	48600	57400	47900	50700
13	17600	17000	63600	118000	54200	139000	159000	42500	48500	41200	51300	72700
14	19500	17000	49500	101000	48900	131000	197000	44300	54700	41900	49600	83200
15	18200	14900	41500	93300	53700	111000	182000	48800	44200	43000	45900	66700
16	27500	15200	44400	72900	54400	106000	140000	42100	43600	51600	53400	60900
17	30400	25800	43900	71100	44200	96700	113000	44400	37300	54500	54700	65300
18	29400	25800	47800	62900	45900	76300	93400	47900	39800	50000	44200	62500
19	34000	24900	49100	64600	54300	67400	73200	39600	40900	51600	40200	48800
20	18700	31200	50100	96900	58100	58900	60500	37200	37500	50200	44600	39100
21	18400	32200	52100	142000	47600	66500	58100	36200	35200	56400	51600	53100
22	19600	37900	62200	154000	62200	67000	53900	43000	38200	47200	49400	68600
23	27000	28700	55500	155000	77500	69700	51600	49000	44800	84800	47800	53500
24	25200	19100	52400	158000	86000	72300	48200	65800	44100	89500	47200	53600
25	27800	31600	53100	159000	102000	55500	44400	82500	35900	43900	47100	51900
26	26000	33500	48900	158000	139000	65800	54300	73100	42100	94100	53100	60300
27	15600	35200	53600	151000	153000	65500	59800	64200	37600	95900	58500	50300
28	26300	32100	51200	131000	155000	63400	45100	50300	39600	91200	60700	71000
29	27200	32200	47100	113000	---	69700	43000	51900	42500	87000	57300	86500
30	19000	33600	43500	111000	---	67100	46700	50000	39300	80800	60300	124000
31	17200	---	64600	97700	---	75200	---	75500	---	77800	64100	---
TOTAL	721900	674300	1605000	3724400	2064600	3821000	2279900	1627200	1707200	1807300	1631700	1847600
MEAN	23290	22480	51770	120100	73740	123300	76000	52440	56910	58300	52640	61590
MAX	34000	37900	87900	159000	155000	233000	197000	89800	122000	95900	84300	124000
MIN	15000	11200	25300	62900	43900	55500	45000	36200	35200	33700	40200	39100
CFSM	.76	.73	1.68	3.90	2.39	4.00	2.47	1.70	1.65	1.89	1.71	2.00
IN.	.87	.81	1.94	4.50	2.49	4.61	2.75	1.96	2.06	2.18	1.97	2.23
CAL YR 1978	TOTAL	17070800	MEAN	46770	MAX	174000	MIN	11200	CFSM	1.52	IN	20.61
ATR YR 1979	TOTAL	23512100	MEAN	64420	MAX	233000	MIN	11200	CFSM	2.09	IN	28.39

03592500 BEAR CREEK AT BISHOP, AL.

LOCATION.--Lat 34°39'21", long 88°07'21", in SE¼ sec.5, T.5 S., R.15 W., Colbert County, Hydrologic Unit 06030006, on left bank 250 ft (76 m) upstream from highway bridge, 0.5 mi (0.8 km) downstream from Cedar Creek, 0.8 mi (1.3 km) southwest of Bishop, and at mile 27.3 (43.9 km).

DRAINAGE AREA.--667 mi² (1,728 km²).

PERIOD OF RECORD.--August 1926 to June 1928, February 1929 to March 1932, June 1933 to Sept. 30, 1979. Measurement discontinued.

REVISED RECORDS.--WSP 698: 1929. WSP 823: Drainage area. WSP 853: 1927, 1928(M), 1929, 1930(M), 1932(M).

GAGE.--Water-stage recorder. Datum of gage is 419.91 ft (127.989 m) National Geodetic Vertical Datum of 1929. Nonrecording gage prior to June 23, 1928, and Feb. 10, 1929, to Mar. 31, 1932, at site 35 ft (11 m) downstream, and June 7, 1933, to May 28, 1934, at bridge 20 ft (6 m) downstream at datum 5.00 ft (1.524 m) lower.

REMARKS.--Water-discharge record good. Flow partially regulated by Bear Creek Reservoir, 47.3 mi (76.1 km) upstream beginning Mar. 14, 1969.

AVERAGE DISCHARGE.--49 years (water years 1926-27, 1929-31, 1933-79), 1,128 ft³/s (31.94 m³/s), 22.97 in/yr (583 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 60,800 ft³/s (1,720 m³/s) Mar. 17, 1973, gage height, 24.12 ft (7.352 m), in gage well, 25.2 ft (7.67 m) from floodmarks 20 ft (6.1 m) upstream from gage; minimum discharge, 9.3 ft³/s (0.26 m³/s) Sept. 15-17, 1954; minimum gage height, -0.15 ft (-0.046 m) Sept. 1, 1943.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 10,100 ft³/s (286 m³/s) January 1, gage height, 15.39 ft (4.691 m), no other peak above base of 7,500 ft³/s (212 m³/s); minimum daily discharge, 67 ft³/s (1.90 m³/s).

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	163	393	375	8080	1190	2470	588	784	455	155	450	400
2	152	351	378	5780	1110	2310	2230	499	497	160	400	450
3	156	301	451	4070	964	3040	1910	530	681	160	300	500
4	123	314	1070	3660	890	3480	2030	1430	707	140	250	800
5	73	390	768	3330	764	2400	1720	1500	678	130	180	700
6	71	394	707	2520	718	3220	1320	1850	664	110	170	600
7	68	705	595	5690	1450	3170	1320	2230	588	110	200	450
8	67	737	768	3480	1390	2960	1290	2170	364	120	250	350
9	67	743	2130	4320	1440	2230	1360	2020	365	140	460	250
10	74	788	1790	4270	1230	2290	1450	1430	314	300	270	200
11	73	782	1190	3110	1000	2210	1460	1010	327	2000	307	168
12	70	777	741	2060	916	2050	2770	860	296	1000	524	155
13	89	722	499	2290	674	1970	3720	810	273	1100	326	1580
14	95	757	302	2070	616	1920	2400	780	257	900	293	3180
15	114	460	243	1850	524	1850	2820	737	245	600	375	1870
16	99	466	237	1330	502	1810	2640	688	233	450	286	1990
17	83	460	248	1130	487	1770	2490	594	224	200	170	1860
18	202	431	252	856	574	1740	2670	515	211	150	80	1940
19	138	390	239	899	677	1700	2020	488	207	150	76	1250
20	119	396	237	4670	619	1700	1960	422	196	170	80	1030
21	152	401	557	6210	1160	1740	2420	406	734	250	80	1760
22	178	385	530	4810	1320	1080	2350	462	559	1200	100	1760
23	178	414	463	4570	1170	1770	2320	420	274	2000	200	2460
24	287	401	428	3770	1190	1320	1320	432	351	1700	400	2450
25	384	385	403	3260	2500	977	1360	476	221	1400	250	2290
26	387	385	417	3460	2140	840	1630	529	193	900	450	2120
27	390	598	398	3530	2530	722	1710	401	192	1400	800	1490
28	390	475	385	2840	2490	598	1650	413	191	1000	1010	1210
29	386	431	378	2420	---	463	1580	412	185	700	800	1040
30	392	454	383	2120	---	527	1500	505	170	600	450	865
31	392	---	1430	1590	---	659	---	551	---	500	350	---
TOTAL	5612	15086	18992	104545	32235	56986	58008	26354	10852	19895	10337	37168
MEAN	181	503	613	3372	1151	1838	1934	850	362	642	333	1239
MAX	392	788	2130	8080	2530	3480	3720	2230	734	2000	1010	3180
MIN	67	301	237	856	487	463	588	401	170	110	76	155
CFSM	.27	.75	.92	5.06	1.73	2.76	2.90	1.27	.54	.96	.50	1.86
IN.	.31	.84	1.06	5.83	1.80	3.18	3.24	1.47	.61	1.11	.58	2.07
CAL YR 1978	TOTAL	315324	MEAN	864	MAX	14400	MIN	61	CFSM	1.30	IN	17.59
WTR YR 1979	TOTAL	396070	MEAN	1085	MAX	8080	MIN	67	CFSM	1.63	IN	22.09

03592718 LITTLE YELLOW CREEK EAST NEAR BURNSVILLE, MS

LOCATION.--Lat 34°50'01", long 88°17'08", in SE¼ sec.7, T.3 S., R.10 E., Chickasaw Meridian, Tishomingo County, Hydrologic Unit 06030005, at bridge 0.2 mi (0.3 km) northeast of Walkers Siding and 2.0 mi (3.2 km) east of Burnsville.

DRAINAGE AREA.--24.7 mi² (64.0 km²), Tennessee Valley Authority.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--May 1973 to current year.

REVISED RECORDS.--WDR MS-78-1. 1973 (M), 1976(M).

GAGE.--Water-stage recorder. Altitude of gage is 440 ft or 134.1 m (from topographic map).

REMARKS.--Records fair.

AVERAGE DISCHARGE.--6 years, 48.5 ft³/s (1.374 m³/s), 26.67 in/yr (677 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,310 ft³/s (93.7 m³/s) May 8, 1978, gage height, 19.19 ft (5.849 m); minimum, 2.8 ft³/s (0.079 m³/s) Aug. 25, 1977, gage height, 6.04 ft (1.841 m).

EXTREMES OUTSIDE PERIOD OF RECORD.--A discharge of 3,180 ft³/s (90.1 m³/s), gage height, 19.12 ft (5.828 m) was measured Mar. 16, 1973.

EXTREMES FOR CURRENT YEAR.--Peak discharge above base of 700 ft³/s (19.8 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s)	Discharge (m ³ /s)	Gage height (ft)	Gage height (m)	Date	Time	Discharge (ft ³ /s)	Discharge (m ³ /s)	Gage height (ft)	Gage height (m)
Jan. 1	1145	1880	53.2	18.43	5.617	Apr. 2	1145	1380	39.1	18.11	5.520
Jan. 7	0645	701	19.9	16.69	5.087	Apr. 12	0930	*2800	79.3	18.95	5.776
Jan. 20	0930	1280	36.2	18.04	5.498	Sept. 13	2130	1610	45.6	18.26	5.566

Minimum discharge, 3.7 ft³/s (0.10 m³/s) Oct. 1, 2, gage height, 7.00 ft (2.134 m).

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.5	8.5	16	1230	46	48	114	23	29	9.2	5.9	178
2	4.1	8.3	24	147	44	40	784	23	27	8.5	6.8	86
3	4.3	9.0	59	57	61	323	229	69	40	8.8	6.3	21
4	4.7	9.7	126	42	54	255	152	297	25	8.0	5.9	15
5	4.4	12	27	41	45	85	89	84	20	7.4	5.7	12
6	3.9	9.7	20	92	63	64	63	52	20	7.0	5.6	9.9
7	3.6	12	20	500	151	53	52	37	19	7.7	5.3	9.1
8	3.8	13	172	114	65	45	47	28	16	12	5.2	8.5
9	4.2	13	149	52	51	39	87	24	14	20	6.4	7.6
10	4.0	12	34	41	40	55	51	22	13	14	5.5	7.4
11	3.9	13	23	36	39	44	53	19	12	13	9.6	7.3
12	3.6	13	20	36	39	36	1540	47	11	345	11	7.3
13	5.2	13	19	39	35	33	344	34	9.7	37	7.0	552
14	6.2	13	17	34	33	32	102	23	9.5	19	6.2	484
15	4.2	16	17	26	32	27	72	20	8.7	15	5.9	40
16	4.2	67	29	28	28	25	57	17	8.4	14	5.5	21
17	4.2	33	22	34	26	25	49	16	8.3	12	5.2	18
18	4.4	15	19	35	34	24	42	15	7.8	10	5.3	18
19	4.7	10	18	55	34	23	39	17	7.4	9.0	5.4	19
20	5.1	9.5	27	883	38	31	36	18	7.3	10	5.3	24
21	5.0	11	71	712	121	40	35	16	59	14	5.3	270
22	4.8	13	26	117	71	36	38	18	22	9.0	5.4	66
23	4.8	25	22	89	85	369	55	30	13	11	5.7	31
24	4.5	15	22	110	97	93	44	28	40	8.0	6.9	22
25	5.0	12	20	61	236	58	47	19	20	12	14	18
26	5.6	15	18	54	97	44	38	16	14	11	17	16
27	7.0	29	17	57	67	57	34	21	12	8.3	17	17
28	7.7	19	17	44	55	59	29	25	11	7.5	9.5	16
29	8.6	37	17	37	---	42	27	14	11	7.0	11	15
30	10	28	35	46	---	37	25	28	11	6.5	7.6	14
31	10	---	241	53	---	254	---	75	---	5.9	6.6	---
TOTAL	160.2	513.7	1364	4902	1787	2396	4374	1180	520.1	686.8	231.0	2050.1
MEAN	5.17	17.1	44.0	158	63.8	77.3	146	38.1	17.5	22.2	7.45	67.7
MAX	10	67	241	1230	236	369	1540	297	59	345	17	552
MIN	3.6	8.3	16	26	26	23	25	15	7.3	5.9	5.2	7.3
CFSM	.21	.69	1.78	6.40	2.58	3.13	5.91	1.54	.71	.90	.50	2.74
IN.	.24	.77	2.05	7.38	2.69	3.61	6.59	1.78	.79	1.05	.35	3.06
CAL YR 1978	TOTAL	13170.6	MEAN	36.1	MAX	1720	MIN	3.6	CFSM	1.46	IN	19.84
ATH YR 1979	TOTAL	20150.9	MEAN	55.2	MAX	1540	MIN	3.6	CFSM	2.24	IN	30.35

TENNESSEE RIVER BASIN

03592718 LITTLE YELLOW CREEK EAST NEAR BURNSVILLE, MS--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 1978 to December 1978 (discontinued).

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	STREAM- FLOW, INSTANTANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHS)	PH (UNITS)	TEMPER- ATURE, WATER (DEG C)	COLOR (PLAT- INUM COBALT UNITS)	TUR- BID- IDY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEM 5 DAY (MG/L)
OCT 25...	1400	5.1	38	6.3	12.5	110	14	9.0	9	3.3
NOV 08...	1015	13	44	6.4	9.0	120	12	9.6	14	2.9
DEC 05...	1115	28	38	6.5	7.0	250	45	10.4	28	3.4

DATE	CULI- FORM, TOTAL, INSEC. (CCLS. PER 100 ML)	CULI- FORM, FECAL, 0.7 UM-MF (CCLS./ 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)	BICAR- BONATE (MG/L AS HCO3)	CAR- BONATE (MG/L AS CO3)	ALKA- LINEITY (MG/L AS CACO3)
OCT 25...	480	540	12	0	2.9	1.2	15	0	12
NOV 08...	320	510	12	0	2.8	1.2	14	0	11
DEC 05...	630	840	10	4	2.5	.9	7	0	6

DATE	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	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, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)
OCT 25...	12	2.0	2.2	42	.06	.58	.00	.00	.00
NOV 08...	8.9	2.9	2.5	48	.07	1.68	.00	.00	.00
DEC 05...	3.5	8.1	2.6	50	.07	3.78	.09	.02	.11

TENNESSEE RIVER BASIN

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03592718 LITTLE YELLOW CREEK EAST NEAR BURNSVILLE, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	CARRON, ORGANIC TOTAL (MG/L AS C)
OCT 25...	.00	.29	.29	.29	1.3	.040	.010	<.5	3.6
NOV 08...	.00	.20	.20	.20	.89	.030	.000	<.5	8.7
DEC 05...	.03	.54	.57	.68	3.0	.090	.010	<.5	8.1

DATE	ARSENIC TOTAL (UG/L AS AS)	CADMIUM RECOV- ERABLE (UG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)
OCT 25...	1	0	10	1	1900	15	240	20

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	PCB, TOTAL (UG/L)	NAPH- THA- LENES, POLY- CHLOR, TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLOR- DANE, TOTAL (UG/L)	DDO, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)	DI- AZINON, TOTAL (UG/L)	DI- ELDRIN TOTAL (UG/L)
OCT 25...	.0	.00	.00	.0	.00	.00	.00	.00	.00

DATE	ENDO- SULFAT, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTA- CHLOR, TOTAL (UG/L)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	VALA- THION, TOTAL (UG/L)	METH- OXY- CHLOR, TOTAL (UG/L)	METHYL PARA- THION, TOTAL (UG/L)
OCT 25...	.00	.00	.00	.00	.00	.00	.00	.00	.00

DATE	METHYL THI- THION, TOTAL (UG/L)	MIRFEX, TOTAL (UG/L)	PARA- THION, TOTAL (UG/L)	PER- THI- THION, TOTAL (UG/L)	TCX- APHERF, TOTAL (UG/L)	TRI- THION, TOTAL (UG/L)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
OCT 25...	.00	.00	.00	.00	0	.00	.00	.00	.00

TENNESSEE RIVER BASIN

03592825 YELLOW CREEK AT CROSS ROADS, MS

LOCATION.--Lat 34°54'53", long 88°14'44", in SE¼ sec.9, T.2 S., R.10 E., Chickasaw Meridian, Tishomingo County, Hydrologic Unit 06030005, in Yellow Creek Embayment of Pickwick Lake, near bridges on State Highway 25, 0.9 mi (1.4 km) southeast of Cross Roads, and at mile 11.0 (17.7 km). Water-quality monitor intake at mid-channel 100 ft (30.5 m) upstream from old bridge and 600 ft downstream from new bridge opened in 1979.

DRAINAGE AREA.--165 mi² (427 km²).

PERIOD OF RECORD.--Water years 1977 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: April 1978 to May 1979 (discontinued).
pH: April 1978 to May 1979 (discontinued).
WATER TEMPERATURE: April 1978 to May 1979 (discontinued).
TURBIDITY: April 1978 to May 1979 (discontinued).
DISSOLVED OXYGEN: April 1978 to May 1979 (discontinued).
SUSPENDED-SEDIMENT CONCENTRATION: April 1978 to May 1979 (discontinued).

INSTRUMENTATION.--Water-quality monitor and automatic pumping sediment sampler from April 1978 to May 1979.

REMARKS.--Occasional differences in the water quality between sites were observed. Interruptions in the record were due to interruptions in flow at the site caused by construction of the Tennessee-Tombigbee Waterway and/or malfunctions of the instrument. Stage-discharge relation not determined due to backwater from Pickwick Lake.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 67 micromhos Aug. 10, 1978; minimum, 20 micromhos May 19, Aug. 15, 1978.
pH: Maximum, 6.5 units on many days during 1978; minimum, 5.3 units Aug. 9, 1978.
WATER TEMPERATURE: Maximum, 29.5°C June 29, July 5, 1978; minimum observed 1.5°C Jan. 4, 1978.
TURBIDITY: Maximum, 800 NTU Sept. 19, 1978; minimum, 15 NTU, Apr. 21, 1978.
DISSOLVED OXYGEN: Maximum, 9.8 mg/L Apr. 21, 1978; minimum, 5.0 mg/L June 1, July 10, 1978.
SEDIMENT CONCENTRATIONS: Maximum daily mean, 2830 mg/L May 28, 1978; minimum daily mean, 11 mg/L June 26, 1978.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	SPECIFIC CONDUCTANCE (MICRO-MHOS)	pH (UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM COBALT UNITS)	TURBIDITY (NTU)	DISSOLVED OXYGEN (MG/L)	OXYGEN DEMAND, CHEMICAL (MG/L)	OXYGEN DEMAND, BIOCHEMICAL 5 DAY (MG/L)	OXYGEN DEMAND, BIOCHEMICAL 30 DAY (MG/L)	COLIFORMS, TOTAL (COLS./100 ML)	COLIFORMS, FECAL (COLS./100 ML)
NOV 04...	1230	40	5.9	17.5	400	180	8.5	15	2.5	4.8	320	410
NOV 08...	1130	50	6.3	12.0	150	41	9.8	16	2.8	--	330	220
DEC 05...	1330	43	5.9	9.5	250	75	10.4	30	2.7	--	380	8850
JAN 09...	1130	34	5.8	2.0	50	45	11.9	13	3.1	--	260	160
FEB 04...	1045	35	6.3	4.0	20	30	11.7	74	3.1	--	260	160
MAR 07...	1100	32	6.0	9.0	150	45	11.1	22	2.0	--	80	170
APR 04...	1030	34	5.7	15.0	500	90	9.2	33	1.5	--	730	270
MAY 09...	1030	42	6.2	19.5	200	55	7.8	13	.7	--	400	560
JUN 06...	1130	43	6.5	20.0	85	35	8.2	12	2.2	--	790	790
JUL 04...	1200	50	6.5	26.5	100	30	7.0	18	1.7	--	420	420
AUG 08...	1130	52	6.6	27.0	150	80	7.4	12	--	--	660	580
SEP 06...	1130	58	6.4	24.0	60	35	7.8	4	--	--	560	320

TENNESSEE RIVER BASIN

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03592825 YELLOW CREEK AT CROSS ROADS, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

	HARD- NESS (MG/L AS CaCO3)	HARD- NESS, BENICAP- BENICAP- (MG/L AS CaCO3)	CALCIUM DIS- SOLVED (MG/L AS Ca)	MAGNE- SIUM, DIS- SOLVED (MG/L AS Mg)	BICAR- BONATE (MG/L AS HCO3)	CAR- BONATE (MG/L AS CO3)	ALKA- LITY (MG/L AS CaCO3)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS Cl)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)
OCT 04...	12	0	2.8	1.1	14	0	11	28	4.7	2.3	42	.06
NOV 08...	14	0	3.8	1.2	22	0	18	18	4.2	2.0	50	.07
DEC 05...	11	5	2.9	1.0	9	0	7	18	8.9	2.3	48	.07
JAN 09...	11	4	2.6	1.0	8	0	7	20	6.3	1.7	32	.04
FEB 06...	11	2	2.7	1.1	11	0	9	8.8	5.6	1.8	40	.05
MAR 07...	9	0	2.3	.9	16	0	13	26	5.2	2.1	38	.05
APR 04...	10	5	2.7	.9	7	0	6	22	5.0	1.7	32	.04
MAY 09...	12	0	3.1	1.0	21	0	17	21	4.4	1.7	37	.05
JUN 06...	14	2	3.6	1.1	14	0	11	7.1	4.3	2.9	38	.05
JUL 04...	17	5	3.2	2.2	15	0	12	7.6	4.6	3.4	34	.05
AUG 08...	14	3	2.7	1.7	13	0	11	5.2	6.0	4.0	40	.05
SEP 06...	20	12	5.3	1.6	9	0	7	5.7	13	2.7	51	.07
	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)	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	MERCURY TOTAL RECOV- ERABLE (UG/L AS Hg)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 04...	.00	.08	.07	.08	.85	.93	1.0	4.4	.300	.010	<.5	7.2
NOV 08...	.00	.01	.01	.02	.32	.34	.35	1.6	.070	.000	<.5	8.0
DEC 05...	.13	.03	.16	.08	.56	.64	.80	3.5	.120	.030	<.5	6.6
JAN 09...	.18	.02	.20	.03	.19	.22	.42	1.9	.060	.000	<.5	2.0
FEB 06...	.17	.00	.17	.03	.09	.12	.29	1.3	.040	.000	<.5	2.8
MAR 07...	.13	.02	.15	.04	.37	.41	.56	2.5	.060	.000	<.5	5.9
APR 04...	.10	.01	.11	.01	.45	.46	.57	2.5	.100	.010	.5	5.4
MAY 09...	.07	.07	.14	.11	.19	.30	.44	1.9	.550	.040	.5	4.6
JUN 06...	.10	.01	.11	.06	.29	.35	.46	2.0	.060	.010	<.5	5.5
JUL 04...	.03	.01	.04	.04	.20	.24	.28	1.2	.060	.000	<.5	4.8
AUG 08...	.05	.02	.07	.06	.58	.64	.71	3.1	.100	.000	<.5	3.9
SEP 06...	.07	.01	.08	.11	.19	.30	.38	1.7	.080	.010	<.5	3.6
	ARSENIC TOTAL (UG/L AS AS)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS Cd)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS Cr)	COPPER, TOTAL RECOV- ERABLE (UG/L AS Cu)	IRON, TOTAL RECOV- ERABLE (UG/L AS Fe)	LEAD, TOTAL RECOV- ERABLE (UG/L AS Pb)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS Mn)	ZINC, TOTAL RECOV- ERABLE (UG/L AS Zn)	PHENOLS (UG/L)			
OCT 04...	1	1	20	7	16000	<7	410	50	0			
JAN 09...	1	0	10	3	3300	4	220	40	0			
APR 04...	1	0	10	4	6000	6	310	50	1			
JUL 04...	1	0	20	3	2400	6	190	30	0			

TENNESSEE RIVER BASIN

03592825 YELLOW CREEK AT CROSS ROADS, MS--Continued

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	PCB, TOTAL (UG/L)	NAPH- THA- LENES, POLY- CHLOR, TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLOR- DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)	DI- AZINON, TOTAL (UG/L)	DI- ELDRIN, TOTAL (UG/L)
UCT 04...	.0	.00	.00	.0	.00	.00	.00	.00	.00
JAN 09...	.0	.00	.00	.0	.00	.00	.00	.00	.00
APR 04...	.0	.00	.00	.0	.00	.00	.00	.00	.00
JUL 04...	.0	.00	.00	.0	.00	.00	.00	.00	.00

DATE	ENDO- SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTA- CHLOR, TOTAL (UG/L)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALA- THION, TOTAL (UG/L)	METH- OXY- CHLOR, TOTAL (UG/L)	METHYL PARA- THION, TOTAL (UG/L)
UCT 04...	.00	.00	.00	.00	.00	.00	.00	.00	.00
JAN 09...	.00	.00	.00	.00	.00	.00	.00	.00	.00
APR 04...	.00	.00	.00	.00	.00	.00	.00	.00	.00
JUL 04...	.00	.00	.00	.00	.00	.00	.00	.00	.00

DATE	METHYL THI- THION, TOTAL (UG/L)	MIREX, TOTAL (UG/L)	PAHA- THION, TOTAL (UG/L)	PFR- THANE TOTAL (UG/L)	TCX- APHELE, TOTAL (UG/L)	TOTAL TRI- THION (UG/L)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
UCT 04...	.00	.00	.00	.00	0	.00	.00	.00	.00
JAN 09...	.00	.00	.00	.00	0	.00	.00	.00	.00
APR 04...	.00	.00	.00	.00	0	.00	.00	.00	.00
JUL 04...	.00	.00	.00	.00	0	.00	.00	.00	.00

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	SEDIM- MENT, SUS- PENDED (MG/L)	DATE	TIME	SEDIM- MENT, SUS- PENDED (MG/L)
UCT 04...	1230	242	JAN 20...	2400	843
	11...	59		21...	1810
	26...	96		23...	1445
				25...	151
APR 09...	0945	70	FEB 22...	1315	110
	28...	38		28...	40
	29...	112	MAR 08...	1600	143
JUL 07...	0430	282		28...	1235
	13...	46	APR 02...	1330	1920
	14...	53		02...	1630
	15...	58		26...	0915
JAN 05...	1320	98	MAY 02...	1500	73
	26...	3840		21...	1105
	26...	1140			
	20...	1330			
	20...	1530			

TENNESSEE RIVER BASIN

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03592825 YELLOW CREEK AT CROSS ROADS, MS--Continued

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	41	34	37	46	40	43	76	41	47	---	---	---
2	40	34	36	48	29	41	51	42	46	---	---	---
3	41	35	37	52	45	48	---	---	---	---	---	---
4	51	35	42	54	44	49	---	---	---	---	---	---
5	52	35	48	56	54	55	---	---	---	---	---	---
6	53	43	48	57	51	55	---	---	---	39	35	36
7	56	42	48	51	48	49	42	37	39	---	---	---
8	53	49	51	52	48	50	51	31	41	---	---	---
9	53	50	51	54	49	52	---	---	---	34	32	33
10	53	49	51	58	50	54	---	---	---	35	32	33
11	58	50	55	---	---	---	---	---	---	35	33	34
12	55	49	51	---	---	---	---	---	---	35	33	34
13	92	29	51	---	---	---	---	---	---	36	35	36
14	44	35	40	56	51	54	47	41	44	40	36	38
15	44	38	40	55	52	53	48	41	44	40	37	38
16	44	38	40	55	50	52	49	41	45	40	38	39
17	44	38	40	53	45	49	52	45	49	42	37	39
18	47	40	43	63	42	50	50	44	47	43	39	41
19	60	47	51	50	43	47	---	---	---	50	41	43
20	58	49	51	52	48	50	54	43	45	39	24	27
21	56	48	51	54	49	51	---	---	---	25	24	24
22	---	---	---	69	43	51	---	---	---	29	25	27
23	---	---	---	---	---	---	---	---	---	32	29	30
24	52	48	50	---	---	---	---	---	---	---	---	---
25	51	48	49	---	---	---	---	---	---	33	32	32
26	53	47	50	---	---	---	---	---	---	33	32	32
27	---	---	---	---	---	---	---	---	---	36	32	34
28	---	---	---	---	---	---	---	---	---	38	34	36
29	48	40	44	60	41	48	---	---	---	36	34	35
30	43	40	41	48	42	45	---	---	---	---	---	---
31	45	41	43	---	---	---	---	---	---	---	---	---
FEBRUARY			MARCH			APRIL			MAY			
1	---	---	---	39	34	36	36	33	34	45	35	36
2	39	35	37	39	34	36	36	21	24	45	34	38
3	37	32	34	39	27	33	30	22	26	44	27	34
4	---	---	---	28	17	20	34	30	32	32	26	28
5	---	---	---	31	19	26	32	31	31	34	28	33
6	43	36	38	34	25	31	32	31	31	37	31	33
7	---	---	---	30	24	27	36	31	32	49	31	33
8	---	---	---	35	29	32	33	32	32	32	31	32
9	41	37	38	37	32	34	37	32	34	54	32	36
10	42	36	38	36	30	33	36	34	35	68	33	38
11	39	35	37	39	35	37	38	33	35	35	33	34
12	---	---	---	39	33	35	---	---	---	42	33	36
13	---	---	---	36	33	34	---	---	---	41	37	39
14	---	---	---	38	35	36	---	---	---	38	37	37
15	43	37	39	39	35	36	---	---	---	37	34	35
16	46	38	40	38	34	35	---	---	---	36	34	35
17	41	37	39	37	34	35	---	---	---	39	34	37
18	39	36	37	37	33	35	---	---	---	38	34	36
19	47	37	40	39	33	36	36	31	33	43	36	40
20	43	40	42	40	34	37	32	30	32	40	37	39
21	52	39	44	40	34	37	34	32	33	41	39	40
22	67	45	58	41	35	38	35	34	34	42	36	40
23	---	---	---	---	---	---	38	33	35	38	33	35
24	---	---	---	32	30	31	37	35	36	41	33	38
25	---	---	---	33	30	31	40	36	38	44	39	42
26	---	---	---	34	31	33	39	37	38	46	42	43
27	---	---	---	33	31	32	37	36	36	52	38	41
28	35	33	34	38	34	37	36	40	45	40	37	39
29	---	---	---	37	34	35	35	33	34	41	38	40
30	---	---	---	40	34	35	39	34	36	---	---	---
31	---	---	---	36	31	33	---	---	---	---	---	---

TENNESSEE RIVER BASIN

03592825 YELLOW CREEK AT CROSS ROADS, MS--Continued

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

DAY	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	6.1	5.9	6.3	6.2	6.4	6.1	---	---	---	---	6.3	6.2
2	6.1	5.9	6.2	6.0	6.5	6.1	---	---	6.3	6.1	6.4	6.3
3	6.1	5.9	6.3	6.2	6.5	6.3	---	---	6.2	6.1	6.4	5.6
4	6.1	5.8	6.4	6.1	---	---	---	---	6.4	6.2	5.7	5.5
5	6.2	5.6	6.5	6.4	---	---	---	---	6.4	6.3	5.9	5.7
6	6.3	6.0	6.5	6.2	---	---	6.0	5.8	6.3	6.2	6.2	6.0
7	6.3	5.9	6.4	6.3	6.2	5.8	---	---	---	---	6.2	6.0
8	6.3	6.1	6.4	6.2	6.2	5.9	---	---	---	---	---	---
9	6.4	6.2	6.6	6.4	---	---	5.8	5.5	6.3	6.1	6.3	6.2
10	6.4	6.3	6.7	6.5	---	---	5.9	5.8	6.2	6.1	6.3	6.1
11	6.4	6.3	6.7	5.9	---	---	6.0	5.8	6.4	6.2	6.4	6.3
12	6.5	6.2	5.8	5.7	---	---	6.0	5.8	---	---	6.4	6.3
13	6.5	5.7	5.9	5.6	---	---	6.1	6.0	---	---	6.5	6.4
14	6.2	5.8	6.1	5.9	6.3	6.1	6.1	6.0	---	---	6.5	6.4
15	6.2	6.1	6.3	6.1	6.5	6.1	6.2	6.1	6.5	6.3	6.1	5.9
16	6.2	6.1	6.4	6.3	6.3	6.2	6.3	6.1	6.6	6.4	6.0	5.9
17	6.4	5.9	6.3	6.1	6.3	6.0	6.3	6.1	6.5	6.5	6.1	5.9
18	6.4	6.2	6.2	6.1	6.4	6.2	6.3	6.2	6.5	6.4	6.1	5.9
19	6.4	6.3	6.1	6.1	6.3	6.1	6.3	6.0	6.9	6.4	6.1	5.9
20	6.4	6.3	6.2	6.1	6.5	6.3	5.9	5.3	6.5	6.4	6.0	5.9
21	6.4	6.3	6.3	6.1	---	---	---	---	---	---	6.0	5.7
22	---	---	6.4	6.2	---	---	---	---	---	---	6.0	5.8
23	---	---	---	---	---	---	---	---	---	---	---	---
24	6.5	6.3	---	---	---	---	---	---	---	---	---	---
25	6.4	6.3	---	---	---	---	---	---	---	---	5.7	5.5
26	6.5	6.2	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	6.2	6.1	5.8	5.6
29	6.3	6.0	6.4	6.2	---	---	---	---	---	---	5.9	5.7
30	6.2	6.1	6.4	6.1	---	---	---	---	---	---	6.2	5.8
31	6.3	6.1	---	---	---	---	---	---	---	---	6.0	5.3
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	5.5	5.4	6.6	6.0								
2	5.8	5.3	6.7	6.0								
3	5.5	5.4	6.5	5.5								
4	5.6	5.4	5.7	5.3								
5	5.5	5.3	5.5	5.3								
6	5.7	5.5	5.7	5.5								
7	6.0	5.7	6.3	5.6								
8	5.8	5.7	5.8	5.7								
9	5.8	5.7	6.9	5.8								
10	5.9	5.8	7.1	5.8								
11	5.9	5.5	5.9	5.9								
12	5.2	4.9	6.3	5.7								
13	5.2	4.8	5.9	5.8								
14	---	---	6.0	5.9								
15	---	---	5.9	5.8								
16	---	---	6.0	5.9								
17	---	---	5.9	5.9								
18	---	---	5.9	5.9								
19	5.8	5.7	6.0	5.9								
20	5.7	5.6	6.0	5.9								
21	5.9	5.7	6.0	6.0								
22	6.0	5.9	6.0	6.0								
23	5.9	5.9	6.0	5.6								
24	6.0	5.9	6.1	5.7								
25	6.1	5.9	6.0	5.9								
26	6.0	5.8	6.1	6.0								
27	6.0	6.0	6.1	5.8								
28	6.1	6.0	6.0	5.8								
29	6.0	6.0	6.1	5.9								
30	6.3	6.0	6.1	6.0								
31	---	---	---	---								

TENNESSEE RIVER BASIN

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03592825 YELLOW CREEK AT CROSS ROADS, MS -Continued

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	21.0	20.0	20.5	16.5	13.5	14.5	11.5	9.0	10.0	---	---	---
2	21.0	18.5	19.5	16.5	13.0	15.5	12.0	9.0	10.5	---	---	---
3	19.5	18.0	18.5	17.0	13.0	14.5	---	---	---	---	---	---
4	20.5	17.5	18.5	16.5	13.0	14.0	---	---	---	---	---	---
5	18.5	15.5	17.0	16.0	12.5	14.0	---	---	---	---	---	---
6	17.5	15.0	16.0	15.5	12.0	14.0	---	---	---	5.0	4.5	5.0
7	16.5	14.0	15.0	14.5	11.5	13.5	---	---	---	---	---	---
8	16.0	12.5	14.0	14.0	10.5	11.5	16.0	10.0	13.0	---	---	---
9	15.5	12.5	13.5	13.5	9.5	11.0	---	---	---	3.0	1.5	2.0
10	16.0	12.5	13.5	14.0	10.0	11.5	---	---	---	3.5	2.0	2.5
11	17.5	14.5	15.0	---	---	---	---	---	---	3.5	2.0	3.0
12	17.0	16.0	16.5	---	---	---	---	---	---	5.0	3.5	4.0
13	18.0	16.5	17.5	18.0	15.5	17.0	---	---	---	6.5	5.0	6.0
14	17.0	14.5	15.5	16.5	13.0	15.0	7.0	5.0	6.0	5.5	2.5	4.0
15	14.5	12.0	13.0	14.5	12.5	13.5	7.0	4.0	5.5	3.0	1.0	2.5
16	14.5	12.0	13.0	15.5	12.5	14.0	8.5	7.0	8.0	5.0	3.0	4.0
17	13.5	10.5	12.0	15.0	13.5	14.0	8.5	6.5	7.0	7.0	5.0	6.0
18	14.5	10.0	11.5	14.0	13.5	13.5	7.5	6.0	6.5	8.5	7.0	7.5
19	14.0	11.0	12.5	15.0	14.0	14.5	9.5	7.5	8.0	8.0	7.0	7.5
20	15.5	11.5	13.0	16.0	12.0	14.5	---	---	---	8.5	7.5	8.0
21	14.0	12.0	13.0	14.5	12.5	13.0	---	---	---	7.0	5.0	6.0
22	---	---	---	13.5	12.5	13.0	---	---	---	5.0	4.0	6.0
23	---	---	---	---	---	---	---	---	---	---	---	---
24	16.0	14.5	15.0	---	---	---	---	---	---	---	---	---
25	16.0	11.5	13.0	---	---	---	---	---	---	4.0	2.5	3.5
26	16.5	15.0	16.0	---	---	---	---	---	---	5.0	4.0	4.5
27	---	---	---	---	---	---	---	---	---	5.5	5.0	5.0
28	---	---	---	---	---	---	---	---	---	4.5	3.5	4.0
29	15.0	11.0	12.5	10.5	9.5	10.0	---	---	---	5.0	3.0	4.0
30	15.0	11.5	13.0	12.0	10.0	10.5	---	---	---	---	---	---
31	15.5	13.0	14.0	---	---	---	---	---	---	---	---	---
FEBRUARY			MARCH			APRIL			MAY			
1	---	---	---	10.5	9.0	9.5	17.5	16.5	17.0	18.0	16.5	17.5
2	3.5	1.5	2.5	12.0	8.0	10.0	17.5	15.5	16.5	18.0	16.5	17.0
3	5.0	3.0	4.0	16.0	10.0	13.0	16.5	14.5	15.5	19.0	17.0	18.0
4	---	---	---	13.0	10.0	11.5	16.0	14.0	15.0	19.0	17.5	18.0
5	---	---	---	10.0	8.0	9.0	15.0	12.0	13.5	17.5	16.5	17.0
6	4.5	3.5	4.0	10.5	7.5	9.0	15.5	12.5	14.0	19.0	16.5	17.5
7	---	---	---	11.0	8.5	9.5	17.5	13.0	15.0	21.5	17.0	19.0
8	---	---	---	---	---	---	15.5	15.0	15.5	21.5	18.5	20.0
9	3.5	1.5	2.5	11.5	7.5	9.5	14.5	12.5	13.5	21.5	19.5	20.5
10	4.0	1.0	2.5	10.5	8.5	10.0	15.0	11.5	13.0	24.0	19.5	21.5
11	6.0	2.0	4.0	10.0	7.0	8.5	18.0	14.0	16.5	23.5	21.0	22.5
12	---	---	---	12.5	7.5	9.5	17.0	16.0	16.5	23.5	19.0	21.0
13	---	---	---	13.5	10.0	11.5	16.5	15.5	16.0	21.0	18.0	19.5
14	---	---	---	14.5	11.5	12.5	---	---	---	21.5	18.0	19.5
15	11.0	9.0	10.0	12.0	9.5	10.5	---	---	---	22.0	18.5	20.0
16	10.5	6.5	8.5	12.0	8.0	10.0	---	---	---	21.5	20.0	20.5
17	6.0	4.0	5.0	14.5	8.5	11.5	---	---	---	21.5	19.5	20.5
18	4.0	3.0	3.5	16.5	11.5	14.0	---	---	---	22.0	20.0	20.5
19	5.5	1.5	3.5	15.5	14.0	14.5	20.0	16.5	18.5	22.0	21.0	21.5
20	5.5	3.0	4.0	15.0	13.0	14.0	20.5	17.5	19.5	22.5	21.0	21.5
21	---	---	---	17.5	14.0	16.0	20.0	18.0	19.0	22.5	21.5	22.0
22	---	---	---	16.5	15.5	16.0	---	17.5	18.0	22.0	21.0	21.5
23	---	---	---	---	---	---	19.5	17.0	18.0	21.5	20.5	21.0
24	---	---	---	14.0	10.0	12.0	19.5	18.0	18.5	21.0	19.5	20.0
25	---	---	---	10.0	7.5	8.5	---	---	---	19.5	17.5	18.5
26	---	---	---	11.0	6.5	9.0	18.0	16.0	17.0	19.0	17.0	18.0
27	---	---	---	11.0	9.5	10.0	18.0	14.5	16.5	19.0	17.0	18.0
28	9.5	7.5	9.0	15.0	10.5	12.5	18.0	15.0	16.5	21.5	17.0	19.0
29	---	---	---	17.0	14.0	15.5	17.5	14.5	16.5	22.5	20.0	21.0
30	---	---	---	18.0	15.0	16.5	18.0	15.5	17.0	---	---	---
31	---	---	---	17.0	16.0	16.5	---	---	---	---	---	---

TENNESSEE RIVER BASIN

03592825 YELLOW CREEK AT CROSS ROADS, MS--Continued

TURBIDITY (NTU), WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DAY	MAX	MIN	YEAR	MAX	MIN	YEAR	MAX	MIN	YEAR	MAX	MIN	YEAR
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	260	160	190	60	45	55	---	---	---	---	---	---
2	210	180	200	230	50	150	---	---	---	---	---	---
3	270	160	200	170	120	140	---	---	---	---	---	---
4	850	190	330	200	120	160	---	---	---	---	---	---
5	550	140	250	130	70	95	---	---	---	---	---	---
6	280	130	210	85	55	70	---	---	---	220	55	90
7	320	170	240	85	65	75	---	---	---	---	---	---
8	260	110	170	85	50	65	---	---	---	---	---	---
9	120	80	110	850	50	270	---	---	---	100	25	55
10	90	70	80	70	50	60	---	---	---	120	40	70
11	90	65	80	---	---	---	---	---	---	130	45	60
12	120	90	110	---	---	---	---	---	---	220	40	75
13	320	110	170	---	---	---	---	---	---	95	40	55
14	170	100	130	110	30	80	---	---	---	65	40	50
15	110	80	95	60	17	33	---	---	---	200	80	85
16	95	70	80	80	39	60	65	55	60	270	45	90
17	210	95	120	200	55	140	55	35	45	170	45	80
18	240	110	170	200	75	130	140	30	50	95	50	65
19	120	70	85	---	---	---	160	55	110	120	45	70
20	340	55	130	---	---	---	240	50	110	---	---	---
21	140	65	75	---	---	---	---	---	---	280	140	190
22	---	---	---	---	---	---	---	---	---	150	110	140
23	---	---	---	---	---	---	---	---	---	130	65	85
24	80	60	75	---	---	---	---	---	---	---	---	---
25	95	50	70	---	---	---	---	---	---	---	---	---
26	210	70	100	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	75	55	65	---	---	---	---	---	---	---	---	---
30	75	60	65	---	---	---	---	---	---	---	---	---
31	110	50	65	---	---	---	---	---	---	---	---	---
FEBRUARY			MARCH			APRIL			MAY			
1	---	---	---	50	30	40	150	95	120	240	35	65
2	210	40	80	60	30	40	550	95	280	250	55	110
3	170	80	100	800	15	190	210	120	160	850	20	110
4	75	50	65	260	130	180	150	90	120	100	20	55
5	110	35	60	120	60	85	90	60	75	85	20	60
6	130	35	60	110	40	60	100	50	75	90	85	85
7	---	---	---	70	35	50	50	40	45	90	50	80
8	---	---	---	95	30	45	45	35	40	60	40	45
9	100	50	65	60	30	40	140	35	95	550	45	140
10	65	40	50	150	35	60	50	35	40	400	40	110
11	55	35	40	120	35	50	850	30	75	85	40	45
12	120	35	50	50	30	35	850	210	320	850	15	75
13	110	35	45	80	30	40	220	130	180	65	60	60
14	60	25	35	45	30	35	---	---	---	70	35	60
15	45	20	25	55	25	30	---	---	---	100	35	55
16	95	20	35	45	20	25	---	---	---	110	65	80
17	55	20	25	35	20	25	---	---	---	100	65	85
18	35	20	20	70	25	50	---	---	---	160	70	90
19	200	15	50	85	35	60	100	45	70	100	70	85
20	---	---	---	100	35	65	130	70	100	90	40	60
21	---	---	---	180	60	100	130	40	70	330	35	85
22	---	---	---	120	45	60	50	35	40	85	30	55
23	---	---	---	---	---	---	50	20	30	160	50	95
24	---	---	---	160	75	120	40	15	25	600	65	130
25	---	---	---	70	40	55	85	35	70	110	60	80
26	---	---	---	110	30	50	85	35	55	90	65	80
27	---	---	---	90	40	55	45	35	35	190	65	85
28	100	30	40	120	50	75	80	30	35	80	55	60
29	---	---	---	80	50	60	35	30	35	360	45	100
30	---	---	---	100	45	55	120	30	40	---	---	---
31	---	---	---	450	50	210	---	---	---	---	---	---

03592825 YELLOW CREEK AT CROSS ROADS, MS--Continued

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	7.7	7.0	7.4	9.1	8.7	8.9	9.4	8.9	9.1	---	---	---
2	7.9	7.4	7.6	9.2	8.5	8.8	9.1	8.2	8.7	---	---	---
3	8.4	7.3	8.0	9.2	8.5	8.9	---	---	---	---	---	---
4	8.4	7.9	8.2	9.2	8.7	9.0	---	---	---	---	---	---
5	8.9	8.1	8.6	9.5	9.1	9.3	---	---	---	---	---	---
6	9.3	8.7	9.0	9.7	9.1	9.4	---	---	---	11.7	11.1	11.6
7	9.5	9.2	9.3	9.5	9.1	9.2	10.3	9.5	9.9	---	---	---
8	10.0	9.5	9.8	10.1	9.6	9.8	10.1	8.5	9.4	---	---	---
9	10.1	9.7	9.9	10.4	10.0	10.1	---	---	---	12.5	12.1	12.3
10	10.1	9.4	9.9	10.3	9.8	10.1	---	---	---	12.2	11.8	12.0
11	9.5	8.7	9.2	---	---	---	---	---	---	12.0	11.4	11.8
12	8.9	8.2	8.7	---	---	---	---	---	---	12.2	11.2	11.9
13	8.5	8.0	8.2	---	---	---	---	---	---	11.5	10.8	11.1
14	9.0	8.2	8.7	---	---	---	11.9	11.6	11.8	12.0	10.9	11.5
15	9.9	9.1	9.5	---	---	---	12.0	9.1	11.5	12.4	11.5	12.1
16	9.9	9.3	9.6	---	---	---	11.3	10.6	10.9	11.5	9.9	10.7
17	10.3	9.4	9.9	---	---	---	11.1	10.7	10.9	11.4	9.1	10.0
18	10.4	9.7	10.1	---	---	---	11.4	10.8	11.2	10.4	9.2	9.8
19	10.1	9.5	9.9	---	---	---	---	---	---	10.9	8.1	9.8
20	10.0	9.5	9.8	---	---	---	9.3	8.5	8.9	12.3	9.9	11.1
21	9.9	9.5	9.7	---	---	---	---	---	---	12.3	9.8	10.7
22	---	---	---	---	---	---	---	---	---	11.2	10.1	10.8
23	---	---	---	---	---	---	---	---	---	11.5	10.2	11.1
24	9.1	8.9	9.0	---	---	---	---	---	---	---	---	---
25	9.5	8.8	9.3	---	---	---	---	---	---	11.9	10.4	11.2
26	8.8	8.4	8.5	---	---	---	---	---	---	10.6	9.8	10.2
27	---	---	---	---	---	---	---	---	---	10.1	9.5	9.8
28	---	---	---	---	---	---	---	---	---	10.4	9.9	10.1
29	9.8	9.2	9.5	10.3	9.6	10.0	---	---	---	10.7	9.9	10.3
30	9.6	8.8	9.3	9.6	9.2	9.4	---	---	---	---	---	---
31	9.2	8.6	8.9	---	---	---	---	---	---	---	---	---
FEBRUARY			MARCH			APRIL			MAY			
1	---	---	---	11.2	10.9	10.9	9.4	9.0	9.2	6.4	6.0	6.3
2	12.1	11.6	11.9	11.3	10.5	11.0	10.0	8.7	9.4	8.7	5.8	6.9
3	11.6	9.8	10.8	10.6	8.5	9.5	9.1	8.7	8.9	8.4	7.9	8.2
4	---	---	---	10.2	9.5	9.7	9.8	8.7	9.4	---	---	---
5	---	---	---	11.6	10.2	11.2	10.6	9.9	10.3	---	---	---
6	11.6	9.5	11.0	12.0	11.5	11.8	10.5	9.5	10.0	---	---	---
7	---	---	---	11.5	11.1	11.3	9.9	9.1	9.5	---	---	---
8	---	---	---	11.6	11.2	11.4	9.2	8.9	9.0	7.8	7.1	7.5
9	12.1	11.7	11.9	12.0	11.2	11.7	9.3	8.9	9.0	7.8	7.2	7.5
10	12.0	11.1	11.6	11.5	11.1	11.3	9.8	9.0	9.4	7.9	7.0	7.5
11	11.1	9.6	10.5	12.1	11.5	11.8	9.0	7.9	8.6	7.7	6.9	7.3
12	---	---	---	12.0	11.0	11.6	8.2	6.2	7.1	6.8	6.1	6.4
13	---	---	---	11.2	10.5	10.9	7.9	7.2	7.8	6.4	5.9	6.1
14	---	---	---	10.6	10.1	10.5	---	---	---	6.4	5.7	6.0
15	10.4	10.0	10.2	11.5	10.6	11.0	---	---	---	---	---	---
16	11.0	10.0	10.5	11.7	10.6	11.2	---	---	---	---	---	---
17	11.7	11.1	11.5	11.2	10.0	10.8	---	---	---	---	---	---
18	12.1	11.7	12.0	10.2	9.0	9.8	---	---	---	7.1	6.4	6.8
19	12.5	11.5	12.0	9.5	9.0	9.2	9.4	8.4	8.9	6.5	5.9	6.2
20	11.6	10.6	11.2	9.6	9.1	9.5	9.1	8.0	8.5	---	---	---
21	---	---	---	9.2	8.3	8.8	7.9	7.5	7.7	---	---	---
22	---	---	---	8.8	8.4	8.6	8.1	7.6	7.8	---	---	---
23	---	---	---	---	---	---	7.8	7.3	7.5	---	---	---
24	---	---	---	10.4	8.3	9.3	7.4	5.7	6.4	---	---	---
25	---	---	---	11.6	10.5	11.1	---	---	---	7.5	6.9	7.3
26	---	---	---	12.0	11.1	11.6	9.0	7.5	7.6	7.1	6.8	7.0
27	---	---	---	11.2	10.8	11.0	8.1	7.4	7.8	6.9	6.4	6.6
28	11.7	11.2	11.5	11.0	10.5	10.6	7.9	7.1	7.5	6.4	5.5	6.0
29	---	---	---	10.5	10.1	10.3	7.6	7.1	7.4	---	---	---
30	---	---	---	10.2	9.8	10.0	7.2	6.6	7.0	---	---	---
31	---	---	---	9.9	9.0	9.5	---	---	---	---	---	---

TENNESSEE RIVER BASIN

03592825 YELLOW CREEK AT CROSS ROADS, MS--Continued

SOLVENT, SUSPENDED CONCENTRATION (MG/L), WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
AFAC VALUES

DAY	ICT	ECV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	214	56	252	---	4630	77	540	697	---	---	---	---
2	203	156	258	---	2400	96	1370	910	---	---	---	---
3	180	144	417	---	1840	453	559	1020	---	---	---	---
4	235	234	---	---	652	656	343	---	---	---	---	---
5	729	120	---	1460	1160	656	200	---	---	---	---	---
6	276	84	---	1180	3800	187	195	---	---	---	---	---
7	265	72	1430	---	---	198	160	---	---	---	---	---
8	190	73	---	4910	---	255	140	4480	---	---	---	---
9	100	87	---	9220	1680	127	216	4600	---	---	---	---
10	90	1650	---	7280	3320	220	184	2160	---	---	---	---
11	136	---	---	2220	4580	112	127	2530	---	---	---	---
12	130	---	---	1420	1210	97	1160	---	---	---	---	---
13	250	---	234	3190	718	135	600	---	---	---	---	---
14	185	---	235	885	5090	165	518	2770	---	---	---	---
15	75	108	608	1090	1150	125	12800	1730	---	---	---	---
16	70	2680	154	1240	3920	123	---	365	---	---	---	---
17	130	---	115	1900	1700	135	---	457	---	---	---	---
18	228	---	113	2750	880	169	---	790	---	---	---	---
19	100	---	701	2210	1100	130	5990	1920	---	---	---	---
20	233	---	509	3480	1760	132	2500	978	---	---	---	---
21	80	---	---	917	1670	414	2470	239	---	---	---	---
22	72	---	---	1100	954	195	5220	838	---	---	---	---
23	60	---	---	919	---	346	---	---	---	---	---	---
24	52	---	---	---	---	---	---	---	---	---	---	---
25	60	---	---	1600	---	---	---	1380	---	---	---	---
26	70	---	---	---	---	---	900	266	---	---	---	---
27	76	---	---	785	---	---	806	249	---	---	---	---
28	56	---	---	---	76	290	710	260	---	---	---	---
29	63	296	---	---	---	135	852	1140	---	---	---	---
30	59	195	---	---	---	190	808	213	---	---	---	---
31	73	---	---	---	---	1340	---	---	---	---	---	---

MISSISSIPPI RIVER MAIN STEM

07032000 MISSISSIPPI RIVER AT MEMPHIS, TN

LOCATION.--Lat 35°07'37", long 90°04'25", Shelby County, Hydrologic Unit 08010100, on left bank 50 ft (15 m) downstream from Harahan Bridge at Memphis, 1.3 mi (2.1 km) downstream from Beale Street gage, 3.5 mi (5.6 km) downstream from Wolf River, 62.4 mi (100.4 km) upstream from St. Francis River, and at mile 734.8 (1,182.3 km).

DRAINAGE AREA.--932,800 mi² (2,416,000 km²), approximately.

PERIOD OF RECORD.--Discharge: January 1933 to September 1978. Monthly discharge only for some periods, published in WSP 1311.

Gage heights: October 1934 to September 1951 and October 1952 to September 1978 in reports of Geological Survey. Since November 1871, at Beale Street gage, in reports of Mississippi River Commission, December 1890 to August 1932 at Beale Street gage, September 1932 to December 1934 at nonrecording gage 1,000 ft (305 m) downstream, and since December 1934 at water-stage recorder at present site, in reports of National Weather Service.

GAGE.--Water-stage recorder. Datum of gage is 183.91 ft (56.056 m) National Geodetic Vertical Datum of 1929. Prior to Apr. 16, 1934, Beale Street nonrecording gage 1.3 mi (2.1 km) upstream at present datum. Apr. 16 to Dec. 21, 1934, nonrecording gage 1,000 ft (305 m) downstream at present datum.

REMARKS.--Flow regulated by many locks, dams, and reservoirs upstream.

COOPERATION.--Records furnished by Corps of Engineers.

AVERAGE DISCHARGE.--45 years, 470,100 ft³/s (13,300 m³/s), 340,600,000 acre-ft/yr (420 km³/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge 1,980,000 ft³/s (56,100 m³/s) Feb. 8, 1937, maximum gage height, 48.69 ft (14.841 m) Feb. 10, 1937, minimum discharge, 79,200 ft³/s (2,240 m³/s) Aug. 26, 1936, minimum gage height -5.70 ft (-1.737 m) Sept. 21, 1976.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage prior to 1937, 46.55 ft (14.188 m) Apr. 9, 1913, at Beale Street gage or about 45.2 ft (13.78 m) at present site.

EXTREMES FOR WATER YEAR 1978.--Maximum discharge, 1,350,000 ft³/s (38,200 m³/s) Apr. 2; maximum gage height, 34.21 ft (10.427 m) Apr. 2, 3; minimum daily discharge, 227,000 ft³/s (6,430 m³/s) Sept. 20.

NOTE.--Records for 1979 water year will be published in a subsequent report.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	412000	501000	608000	636000	699000	282000	1310000	724000	729000	394000	382000	271000
2	810000	491000	633000	611000	737000	292000	1320000	714000	701000	488000	374000	285000
3	410000	477000	663000	586000	765000	315000	1310000	714000	664000	397000	374000	296000
4	413000	468000	710000	561000	780000	324000	1300000	719000	613000	416000	389000	312000
5	433000	461000	772000	536000	785000	327000	1290000	729000	563000	428000	399000	333000
6	466000	491000	815000	510000	781000	333000	1270000	735000	528000	438000	397000	352000
7	491000	543000	859000	487000	765000	341000	1250000	748000	505000	439000	392000	359000
8	505000	589000	895000	496000	730000	351000	1210000	723000	493000	436000	378000	348000
9	569000	614000	919000	493000	673000	367000	1160000	700000	480000	430000	365000	317000
10	567000	616000	927000	487000	598000	400000	1090000	706000	467000	435000	356000	289000
11	506000	611000	928000	488000	521000	436000	1020000	740000	457000	443000	350000	270000
12	512000	609000	915000	471000	456000	460000	936000	799000	452000	451000	351000	266000
13	528000	612000	930000	578000	410000	492000	865000	855000	451000	487000	353000	255000
14	543000	617000	932000	625000	392000	556000	800000	898000	454000	451000	351000	258000
15	548000	628000	921000	657000	367000	618000	773000	931000	456000	449000	347000	252000
16	543000	646000	964000	682000	381000	698000	758000	950000	452000	445000	349000	248000
17	532000	603000	882000	706000	358000	773000	753000	960000	435000	430000	334000	255000
18	514000	622000	856000	692000	359000	856000	755000	970000	409000	438000	330000	256000
19	486000	593000	830000	657000	358000	922000	758000	970000	381000	406000	332000	239000
20	455000	568000	811000	605000	354000	972000	758000	970000	370000	406000	322000	227000
21	427000	557000	798000	556000	350000	1020000	743000	976000	346000	472000	304000	240000
22	403000	550000	794000	513000	345000	1060000	727000	967000	344000	479000	292000	249000
23	385000	533000	802000	482000	341000	1160000	715000	957000	349000	451000	285000	300000
24	375000	568000	810000	475000	346000	1150000	708000	939000	335000	418000	277000	353000
25	370000	562000	808000	487000	329000	1160000	714000	914000	366000	387000	266000	359000
26	373000	607000	791000	490000	316000	1180000	723000	889000	376000	367000	255000	366000
27	367000	609000	774000	492000	298000	1210000	731000	850000	320000	355000	241000	360000
28	365000	599000	753000	505000	288000	1240000	734000	830000	368000	358000	232000	358000
29	367000	588000	729000	535000	---	1260000	735000	818000	394000	367000	233000	348000
30	406000	609000	699000	543000	---	1290000	727000	780000	397000	381000	248000	342000
31	494000	---	667000	649000	---	1300000	---	756000	---	386000	258000	---
TOTAL	16119000	17227000	25135000	17394000	13840000	23661000	27945000	25943000	13743000	13988000	16114000	8554000
MEAN	455500	574200	810800	581100	484300	743900	931500	856900	422000	426300	326300	298500
MAX	548000	646000	932000	706000	785000	1360000	1320000	980000	729000	472000	399000	366000
MIN	365000	461000	608000	475000	286000	282000	708000	700000	344000	355000	232000	227000
COEFF	.45	.62	.67	.60	.53	.60	.60	.60	.49	.45	.45	.32
STDEV	.56	.59	1.05	.69	.55	.92	1.11	1.03	.55	.52	.40	.36
CAL YR 1977	TOTAL	15514000	MEAN	425000	MAX	532000	COEFF	149000	COEFF	.46	STDEV	6.10
FILE YR 1978	TOTAL	21058000	MEAN	576900	MAX	1320000	COEFF	227000	COEFF	.62	STDEV	6.40

MISSISSIPPI RIVER MAIN STEM

07032000 MISSISSIPPI RIVER AT MEMPHIS, TN--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.40	13.50	16.70	16.90	18.80	3.30	33.90	20.70	20.90	9.20	10.00	3.40
2	9.20	13.10	17.50	16.20	20.10	3.50	34.10	20.30	20.10	9.00	9.70	4.10
3	9.10	12.40	18.20	15.40	21.00	4.80	34.00	20.20	19.10	9.30	9.60	4.60
4	9.20	11.70	19.20	14.70	21.50	5.20	34.00	20.20	17.60	10.30	10.20	5.40
5	9.90	11.20	20.80	13.80	21.70	5.30	33.90	20.40	15.80	11.00	10.80	6.40
6	11.40	12.20	21.80	12.80	21.70	5.40	33.60	20.70	14.40	11.40	10.70	7.30
7	12.60	13.90	22.80	11.90	21.30	5.80	33.10	21.20	13.60	11.60	10.60	7.80
8	13.20	15.40	23.70	12.00	20.40	6.30	32.60	20.50	13.10	11.60	10.00	7.50
9	13.40	16.20	24.40	11.90	18.90	6.90	31.60	19.70	12.70	11.50	9.50	6.10
10	13.40	16.40	24.60	11.60	16.70	8.30	30.40	19.70	12.10	11.70	9.00	4.60
11	13.40	16.30	24.60	11.40	14.10	9.90	29.00	20.60	11.70	11.90	8.70	3.60
12	13.50	16.20	24.20	12.30	11.70	10.90	27.10	22.20	11.40	12.40	8.80	3.00
13	14.10	16.30	24.50	14.20	9.70	11.90	25.40	23.80	11.40	12.20	9.00	2.60
14	14.70	16.50	24.60	15.80	8.50	14.20	23.80	24.90	11.40	12.20	8.90	2.90
15	14.90	16.80	24.30	17.00	7.80	16.10	22.80	25.80	11.50	12.20	8.60	2.60
16	14.80	17.40	23.80	17.80	7.40	18.50	22.40	26.40	11.40	12.20	8.20	2.30
17	14.50	17.50	23.20	18.80	7.20	20.90	22.20	26.80	10.80	11.90	7.80	2.50
18	14.00	17.00	22.50	18.60	7.20	23.20	22.20	27.10	9.70	11.80	7.70	2.80
19	13.00	16.10	21.80	17.70	7.10	25.00	22.30	27.40	8.60	12.10	7.60	2.00
20	11.70	15.30	21.30	16.20	6.90	26.30	22.20	27.60	7.40	12.70	7.20	1.10
21	10.40	15.00	20.90	14.60	6.70	27.50	21.80	27.60	6.70	13.30	6.20	1.60
22	9.20	14.80	20.80	13.10	6.30	28.40	21.30	27.50	6.50	13.40	5.40	3.10
23	8.30	14.80	21.00	12.00	6.10	29.20	20.80	27.30	6.80	12.80	5.00	4.60
24	7.80	15.30	21.20	11.40	5.90	29.90	20.50	26.90	7.00	11.60	4.60	6.20
25	7.80	16.10	21.20	12.00	5.70	30.60	20.60	26.20	7.40	10.20	4.00	7.60
26	7.70	16.70	20.90	12.20	5.20	31.10	20.80	25.50	7.90	9.30	3.30	8.00
27	7.50	16.90	20.40	12.30	4.40	31.70	21.00	24.60	8.20	8.90	2.40	7.70
28	7.20	16.60	19.90	12.70	3.70	32.20	21.10	23.90	8.60	8.70	1.80	7.50
29	7.90	16.50	19.40	13.70	---	32.80	21.00	23.30	8.90	9.10	1.60	7.20
30	10.70	16.60	18.60	15.50	---	33.40	20.80	22.60	9.20	9.80	2.40	6.80
31	13.00	---	17.80	17.30	---	33.80	---	21.80	---	10.10	2.90	---
MEAN	11.19	15.36	21.50	14.32	11.92	18.46	26.01	23.66	11.40	11.14	7.17	4.76
MAX	14.90	17.50	24.60	18.80	21.70	33.80	34.10	27.60	20.90	13.40	10.80	8.00
MIN	7.20	11.20	16.70	11.40	3.70	3.30	20.50	19.70	6.50	8.70	1.60	1.10

CAL YR 1977 MEAN 8.50 MAX 24.70 MIN -5.70
WTR YR 1978 MEAN 14.77 MAX 34.10 MIN 1.10

07268000 LITTLE TALLAHATCHIE RIVER AT ETTA, MS

LOCATION.--Lat 34°29'00", long 89°13'30", in SE&SW& sec.8, T.7 S., R.1 E., Chickasaw Meridian, Union County, Hydrologic Unit 08030201, on downstream side of right main pier of bridge on State Highway 30, 0.8 mi (1.3 km) northeast of Etta, 3.8 mi (6.1 km) upstream from Puskus Creek, 4 mi (6 km) downstream from Locks Creek, 13 mi (21 km) west of New Albany, and 55.0 mi (88.5 km) upstream from head of Panola-Quitman Floodway.

DRAINAGE AREA.--526 mi² (1,362 km²).

PERIOD OF RECORD.--September 1938 to current year. November 1936 to May 1937 (gage heights and discharge measurements only) in reports of Corps of Engineers, Vicksburg district. Prior to October 1971 published as Tallahatchie River at Etta.

REVISED RECORDS.--WSP 897: Drainage area. WSP 1211: 1948, 1949(M).

GAGE.--Water-stage recorder. Datum of gage is 273.48 ft (83.357 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Nov. 23, 1936, to May 31, 1937, nonrecording gage at same site at datum 5.33 ft (1.625 m) higher. Sept. 24, 1938, to Mar. 16, 1939, nonrecording gage; Mar. 17, 1939, to Aug. 25, 1952, water-stage recorder; and Aug. 26, 1952, to June 22, 1953, nonrecording gage; all at same site. Sept. 24, 1938, to Sept. 30, 1952, at datum 5.00 ft (1.524 m) higher.

REMARKS.--Records fair, except those for periods of doubtful or no gage height record, Dec. 6 to Jan. 18, Apr. 4-12, and Aug. 29 to Sept. 24, which are poor.

AVERAGE DISCHARGE.--41 years, 849 ft³/s (24.04 m³/s), 21.92 in/yr (557 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 79,000 ft³/s (2,240 m³/s) Mar. 22, 1955, gage height, 29.32 ft (8.937 m); minimum, 4.1 ft³/s (0.12 m³/s) Oct. 3, 16, 1938.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 16,000 ft³/s (453 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)	Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
Jan. 1	Unknown	21100 598	25.05 7.635	Apr. 2	1600	20800 589	25.02 7.626
Jan. 21	0445	33700 954	26.14 7.967	Apr. 12	Unknown	*44100 1250	26.85 8.184
Mar. 4	0200	16200 459	24.45 7.452	May 4	1845	16400 464	24.48 7.462

a From floodmark.

Minimum discharge, 12 ft³/s (0.34 m³/s) Oct. 9; minimum gage height, 8.79 ft (2.679 m) July 5, Aug. 20.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	19	28	62	11000	619	509	5200	371	648	85	112	2000
2	16	27	51	6000	599	392	14500	443	438	80	116	1200
3	15	25	136	3500	725	7360	12900	3800	1080	75	282	700
4	16	24	3130	2500	736	10100	5000	13000	509	68	150	600
5	17	26	361	1800	622	2610	2500	6920	356	63	123	400
6	16	25	170	1500	831	975	1500	2130	293	116	139	250
7	14	27	130	9000	5580	728	1000	1090	468	79	99	170
8	14	24	2500	4000	1850	596	1300	799	271	306	85	130
9	14	24	5000	2000	1000	489	1000	656	218	1700	189	100
10	14	25	1500	1500	700	1110	900	593	192	230	94	90
11	14	28	700	900	600	823	3000	509	168	161	211	80
12	15	29	400	700	500	513	30000	3610	146	5430	560	70
13	19	27	300	600	450	427	21200	1140	136	1510	139	1500
14	47	25	230	500	400	382	3460	609	126	482	102	7000
15	36	32	200	450	350	302	1540	482	118	291	85	10000
16	27	108	400	400	320	269	1110	395	112	224	75	3000
17	23	143	250	700	400	258	919	334	106	189	66	1500
18	21	131	200	773	1500	248	767	304	98	163	63	1000
19	23	56	160	882	800	236	681	304	89	106	60	800
20	24	42	130	17600	686	230	611	267	84	1030	69	700
21	23	39	600	23800	3670	349	548	246	88	972	102	4000
22	23	38	350	4720	1460	364	531	389	125	244	531	2000
23	24	49	250	2000	1630	7150	820	659	209	165	280	900
24	23	65	200	3040	1370	2870	683	649	960	283	284	511
25	21	47	170	1220	5200	817	1420	356	293	339	646	364
26	24	46	150	1030	1050	543	1220	267	153	1240	686	309
27	25	138	140	1460	619	790	770	558	123	418	171	273
28	24	85	130	1020	506	1310	540	773	110	230	189	244
29	23	59	120	782	---	583	454	922	99	347	280	214
30	24	75	1000	742	---	511	405	1230	97	196	200	192
31	28	---	7000	708	---	10200	---	2510	---	139	150	---
TOTAL	666	1517	26120	106677	32773	54044	116479	46515	7913	16927	6338	40317
MEAN	21.5	50.6	843	3441	1170	1743	3883	1500	264	540	204	1344
MAX	47	143	7000	23800	5580	10200	30000	13000	1080	5430	686	10000
MIN	14	24	51	400	320	230	405	246	84	63	60	70
CFSM	.04	.10	1.60	6.54	2.22	3.31	7.38	2.85	.50	1.04	.39	2.56
IN	.05	.11	1.85	7.54	2.32	3.82	8.24	3.29	.56	1.20	.45	2.85
CAL YR 1978	TOTAL	291661	MEAN	799	MAX	33300	MIN	14	CFSM	1.52	IN	20.63
WTR YR 1979	TOTAL	456266	MEAN	1250	MAX	30000	MIN	14	CFSM	2.38	IN	32.27

07272000 SARDIS LAKE NEAR SARDIS, MS

LOCATION.--Lat 34°23'57", long 89°47'10", in NE¼SW¼ sec.12, T.8 S., R.6 W., Chickasaw Meridian, Panola County, Hydrologic Unit 08030201, in gagehouse of dam of Little Tallahatchie River, 7.5 mi (12.1 km) southeast of Sardis, and 25.7 mi (41.4 km) upstream from head of Panola-Quitman Floodway.

DRAINAGE AREA.--1,545 mi² (4,002 km²).

PERIOD OF RECORD.--September 1939 to current year. Prior to October 1970 published as Sardis Reservoir near Sardis.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to Oct. 1, 1958, at datum 219.43 ft (66.882 m) NGVD.

REMARKS.--Reservoir is formed by hydraulic-fill earth dam, with concrete spillway and outlet tunnel on opposite ends of dam. Storage began Aug. 26, 1939; dam completed Aug. 1, 1940. Capacity, 1,569,900 acre-ft (1,940 hm³) at elevation 281.4 ft (85.77 m), crest of spillway, of which about 1,461,900 acre-ft or 1,800 hm³ is available for flood-control storage and about 108,000 acre-ft (133 hm³) of storage is maintained in conservation pool for incidental recreational purposes at elevation 236.0 ft (71.93 m), 16.6 ft (5.06 m) above sill of outlet tunnel. Water below elevation 219.4 ft (66.87 m) cannot be withdrawn through outlet tunnel. Figures given herein represent total contents.

COOPERATION.--Elevation and contents furnished by Corps of Engineers; records reviewed by Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 1,840,700 acre-ft (2,270 hm³) Apr. 28, 1973, elevation, 285.83 ft (87.121 m); minimum since initial filling of reservoir to conservation level, 47,900 acre-ft (59.1 hm³) Oct. 3, 1941, elevation, 228.93 ft (69.778 m).

EXTREMES FOR CURRENT YEAR.--Maximum contents, 1,554,100 acre-ft (1,920 hm³) May 13, elevation 281.16 ft (85.698 m); minimum, 112,300 acre-ft (138 hm³) Dec. 3, elevation, 236.39 ft (72.052 m).

Capacity table (elevation in feet, and contents, in thousands of acre-feet

235	97.6	265	787.2
240	157.1	270	988.2
245	235.8	275	1220.7
250	336.2	280	1487.5
255	462.2	282	1603.4
260	612.5		

RESERVOIR STORAGE (AL-FI), WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	390300	238700	119600	268900	721400	760500	899800	1392400	1485200	1363700	1256500	1033800
2	384400	233900	116400	307400	721800	761600	956200	1388100	1484100	1356200	1250900	1027100
3	379100	229500	113500	354600	721800	762400	1024000	1385900	1482400	1348200	1244300	1021400
4	373500	224800	110000	389000	721400	780500	1078900	1422000	1481300	1339700	1237800	1017500
5	368200	220100	117100	402100	720700	801500	1114200	1480200	1480200	1330600	1231300	1013500
6	361900	215500	128800	411500	720000	841000	1133600	1518900	1477300	1327700	1224200	1008700
7	356400	211100	132000	432200	719700	855100	1139300	1533300	1474500	1314300	1217200	1003000
8	351000	206800	155100	453200	719300	862500	1148400	1538400	1471200	1306500	1209300	996000
9	346200	202200	171600	483700	726400	867300	1156100	1541900	1467200	1299700	1201400	988200
10	341300	197900	192000	504600	730400	869300	1163800	1543100	1462700	1295000	1193600	978800
11	336400	193500	213700	514800	731800	871300	1167600	1542500	1457700	1290400	1182300	967200
12	332000	189300	226200	519200	732200	872900	1206300	1546000	1452700	1288300	1172500	957000
13	327300	185300	232500	521600	732200	874100	1200500	1553000	1443100	1300200	1165200	948600
14	323400	180800	235300	523100	732200	873700	1364200	1553600	1441500	1310100	1158000	943100
15	319400	176400	236000	526100	731500	873300	1391300	1553000	1435900	1313800	1150300	943500
16	314900	172700	237800	526600	730700	872500	1400600	1550600	1430300	1315900	1142700	962600
17	310100	170600	237800	526900	730000	876500	1405600	1547100	1424200	1316400	1134100	968500
18	305300	169200	239700	526900	728600	868500	1407200	1541900	1418200	1314300	1125500	969000
19	300000	167300	239900	527200	726800	866100	1408300	1536700	1412700	1309600	1117000	967700
20	294800	165100	240100	537700	724700	862900	1408300	1530400	1407700	1304900	1108600	965500
21	289800	162100	241700	559800	722900	859000	1407200	1523500	1403400	1300200	1099300	974100
22	285000	158800	243200	604400	721800	854700	1405000	1518400	1399500	1295600	1090500	992100
23	280400	153200	245500	647500	721400	851200	1403900	1513200	1396300	1289300	1083100	1013500
24	275600	147700	245500	669600	728200	852300	1403900	1509800	1393500	1283100	1076200	1021400
25	270700	142900	246200	686100	737900	870500	1403400	1506900	1393000	1275900	1069800	1021400
26	265500	137400	247500	696500	747700	878900	1402800	1501800	1391300	1270200	1064400	1019200
27	261100	133700	248000	704100	755700	880100	1402300	1496100	1388100	1267600	1060300	1015300
28	256500	131000	248800	709000	759800	880100	1401200	1492100	1383100	1266100	1056300	1010000
29	252100	127700	248800	715400	---	879700	1399500	1489200	1377700	1265600	1051800	1003500
30	247700	123800	248800	719300	---	878900	1396300	1487500	1371200	1264100	1046400	996000
31	243200	---	249300	720700	---	878500	---	1485800	---	1261000	1040500	---
MAX	390300	238700	249300	720700	759800	880100	1408300	1553600	1485200	1363700	1256500	1033800
MIN	243200	123800	113000	268900	719300	756500	899800	1385900	1371200	1261000	1040500	943100
†	245.25	237.19	246.14	263.19	264.28	267.54	278.31	279.96	277.81	275.74	271.09	270.06
‡	-151700	-119000	+135200	+464600	+39400	+125200	+507800	+91700	-108400	-222000	-45200	-276500
CAL YR 1978	MAX	1063000	MIN	113000	†-178600							
WTR YR 1979	MAX	1553600	MIN	113000	‡+598800							

† Elevation, in feet, at 2400, on last day of month.

‡ Change in contents, in acre-feet.

07272500 LITTLE TALLAHATCHIE RIVER AT SARDIS DAM, NEAR SARDIS, MS

LOCATION.--Lat 34°23'57", long 89°47'10", in SW¼ sec.12, T.8 S., R.6 W., Chickasaw Meridian, Panola County, Hydrologic Unit 08030201, in gage house of Sardis Dam, 7.5 mi (12.1 km) southeast of Sardis, and 25.7 mi (41.4 km) upstream from head of Panola-Quitman Floodway.

DRAINAGE AREA.--1,545 mi² (4,002 km²).

PERIOD OF RECORD.--January 1940 to current year. Prior to October 1972 published as Tallahatchie River at Sardis Dam, near Sardis.

REVISED RECORDS.--WSP 1147: 1946(M). WSP 1711: 1942(M).

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to Jan. 1, 1948, at site 300 ft (91 m) downstream at datum 194.43 ft (59.262 m) NGVD. Jan. 1, 1948, to Sept. 30, 1958, at present site and datum 219.43 ft (66.882 m) NGVD.

REMARKS.--Flow completely regulated by Sardis Lake (see station 07272000).

COOPERATION.--Records furnished by Corps of Engineers and reviewed by Geological Survey.

AVERAGE DISCHARGE.--39 years, 2,316 ft³/s (65.59 m³/s), 20.36 in/yr (517 mm/yr), unadjusted.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 11,900 ft³/s (337 m³/s) Apr. 28, 1973; minimum, no flow at times each year prior to 1959.

EXTREMES FOR WATER YEAR 1978.--Maximum discharge, 4,900 ft³/s (138 m³/s) Oct 21; elevation, 250.89 feet (76.471 m), minimum discharge, 15 ft³/s (0.42 m³/s) at times.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge 5,250 ft³/s (149 m³/s) Sept. 6-9; minimum discharge, 15 ft³/s (0.42 m³/s) at times.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	943	4290	15	4110	2590	3250	2030	736	3240	3450	3620	3870
2	37	4330	15	4080	2590	2620	2030	533	1890	3440	3610	3860
3	1690	4340	15	4120	2590	2130	2030	534	644	3440	3610	3840
4	3810	4390	15	4180	2590	2120	2030	534	644	3430	3600	3820
5	4010	4340	402	4160	2590	2120	2030	534	739	3520	3580	3800
6	4000	4330	1370	4130	2590	2120	2020	537	916	3550	3580	3780
7	3970	4400	1790	4100	2590	2120	2020	271	320	3550	3660	3770
8	2900	4430	3220	4080	2590	2120	2020	15	15	3540	3690	3750
9	2470	4380	4100	4060	2580	2120	2020	15	281	3500	3680	3730
10	2460	4390	4390	3590	2580	2110	1530	15	655	3530	3670	3710
11	2960	4370	4380	3130	2580	2110	953	15	850	3520	3670	3690
12	4010	4310	4370	3130	2570	2120	953	15	1860	3520	3660	3670
13	4400	4240	4360	3120	2570	2120	955	15	1990	3510	3660	3660
14	4660	4170	4350	3120	2560	2130	958	15	3060	3640	3640	3640
15	4840	4100	4340	3120	2560	2140	959	15	3710	3770	3630	3620
16	4800	2370	4330	2990	2550	2170	960	360	3820	3760	3620	3610
17	4770	15	4320	2370	2550	2200	960	651	3820	3750	3610	3590
18	4830	2090	4310	2370	2540	2210	961	1110	3810	3740	3640	3570
19	4860	4420	4300	2380	2540	2210	963	1750	3650	3730	3710	3550
20	4810	4420	4280	2400	2540	2210	966	1750	3520	3720	3700	3530
21	4860	2300	4270	2410	3120	2210	969	1750	3510	3710	3680	3510
22	4840	1890	4260	2410	3520	2130	972	1850	3510	3700	3670	3500
23	4820	1640	4240	2410	3510	2040	973	2320	3500	3700	3660	3470
24	4770	1490	4220	2410	3500	2040	974	2980	3500	3690	3640	3450
25	4810	1510	4200	1010	3490	2040	974	2980	3500	3510	3620	3430
26	4810	1520	4180	15	3470	2040	974	2970	3490	3010	3620	3410
27	4760	1530	4160	15	3460	2040	975	2970	3480	3010	3600	3160
28	4540	1540	4220	15	3440	2040	975	2970	3470	3000	3590	3010
29	4280	524	4280	15	---	2040	976	2960	3460	3000	2750	2490
30	4250	15	4240	676	---	2040	976	2960	3460	2990	3220	2980
31	4260	---	4210	2140	---	2040	---	2960	---	3360	3860	---
TOTAL	122230	92084	105552	42266	78950	67150	39086	39090	74314	108630	111530	106970
MEAN	3943	3069	3405	2654	2820	2166	1303	1281	2477	3495	3598	3366
MAX	4860	4430	4390	4180	3520	3250	2030	2980	3820	3770	3860	3870
MIN	37	15	15	15	2540	2040	953	15	15	2990	2750	2980
†	-2635	+802	+1714	+1051	-1282	+847	+302	+803	-361	-3051	-3121	-3354
CAL YR 1977 TOTAL	691597	MEAN	1895	MAX	4860	MIN	15	†	-71.8			
WTR YR 1978 TOTAL	1027552	MEAN	2815	MAX	4860	MIN	15	†	+354			

† Change in contents, equivalent in cubic feet per second, in Sardis Lake (see station 07272000).

YAZOO RIVER BASIN

07272500 LITTLE TALLAHATCHIE RIVER AT SARDIS DAM, NEAR SARDIS, MS--Continued

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2960	2520	2740	15	2200	2500	15	4500	4400	4950	4950	4900
2	2950	2590	2090	15	2550	2500	15	4000	4200	4950	4950	4900
3	2930	2570	1500	15	2550	1650	15	15	3600	4950	4950	4900
4	2920	2540	15	15	2550	15	15	15	3600	4950	4950	4900
5	2900	2520	15	150	2550	15	15	15	3600	4900	4950	5100
6	2770	2500	117	150	2550	15	15	15	3600	4900	4900	5250
7	2520	2480	264	15	2550	15	15	350	3600	4850	4900	5250
8	2510	2460	278	15	2600	500	15	1050	3600	4850	4900	5250
9	2500	2440	287	15	2600	1550	15	1750	3600	4850	4900	5250
10	2480	2410	299	700	2600	2200	15	2600	3600	3250	4900	5200
11	2470	2350	309	1050	2600	2200	15	3050	3550	15	4850	5200
12	2460	2360	315	1050	2600	2500	15	3600	3550	15	4850	3500
13	2450	2420	720	1050	2600	3100	15	3650	3550	15	4850	2500
14	2440	2590	1010	1050	2600	3100	15	3950	3550	15	4850	5200
15	2810	2560	1010	1400	2600	3100	15	4500	3550	15	4850	5200
16	3170	2050	1010	2100	2750	3050	650	4500	3550	2300	4800	5200
17	2510	2260	1010	2100	3000	3050	1300	4450	3200	5150	4800	5200
18	2720	2580	1010	2100	3000	3050	1950	4450	1950	5000	4750	5200
19	2700	2560	1010	2100	3000	3400	2300	4450	1950	5000	4750	3500
20	2680	2540	1010	900	3000	4150	3300	4450	1950	5000	4900	15
21	2670	2520	1020	15	3000	4150	3850	4600	1900	5000	5050	50
22	2650	3050	1020	15	2800	4150	3850	4950	1700	5000	5050	150
23	2650	3440	1020	15	2500	3450	3650	4950	2950	5000	5000	1650
24	2610	3360	1020	15	2500	3100	3550	4950	4500	5000	5000	4200
25	2600	3270	1020	15	2500	3100	3550	4950	5000	5000	4950	5250
26	2580	2740	1020	15	2500	3500	3700	4950	5000	5000	1800	5250
27	2560	2310	1020	15	2500	4200	4000	4200	5000	2500	3650	5250
28	2550	3380	1020	15	2500	4200	4000	3600	5000	1350	5000	5250
29	2550	3300	1020	400	---	4200	4000	3600	4950	3900	5000	5250
30	2510	3210	1020	1000	---	4200	4200	3600	4950	4950	4950	5250
31	2500	---	984	1500	---	3000	---	3600	---	4950	4950	---
TOTAL	82240	79960	27203	18825	73850	82910	48075	103310	108900	117575	147900	129165
MEAN	2653	2565	871	607	2638	2675	1603	3333	3630	3793	4771	4306
MAX	3170	3440	2740	2100	3000	4200	4200	4950	5000	5150	5050	5250
MIN	2440	2050	15	15	2200	15	15	15	1900	15	1800	15
+	-2467	-2000	+2199	+7556	+709	+2036	+8534	+1491	-1822	-3610	-735	-6647
CAL YR 1978 TOTAL	897089		MEAN	2458	MAX	4180	MIN	15	247			
CAL YR 1979 TOTAL	1019413		MEAN	2794	MAX	5250	MIN	15	827			

+ Change in contents, equivalent in cubic feet per second, in Sardis Lake (see station 07272000).

07274000 YOCONA RIVER NEAR OXFORD, MS

LOCATION.--Lat 34°16'23", long 89°31'11", in SE¼NW¼ sec.28, T.9 S., R.3 W., Chickasaw Meridian, Lafayette County, Hydrologic Unit 08030203, near left bank on downstream side of pier of bridge on State Highway 7, 1.5 mi (2.4 km) downstream from Burney Branch, 6 mi (10 km) south of Oxford, and at mi 42.3 (68.1 km).

DRAINAGE AREA.--262 mi² (679 km²).

PERIOD OF RECORD.--October 1951 to current year in reports of Geological Survey. May 1946 to September 1951 in reports of Corps of Engineers, Vicksburg district.

GAGE.--Water-stage recorder and supplemental nonrecording gage read once daily. Datum of gage is 267.20 ft (81.443 m) National Geodetic Vertical Datum of 1929. Prior to Jan. 1, 1972, at datum 5.00 ft (1.524 m) higher.

REMARKS.--Records fair.

AVERAGE DISCHARGE.--33 years, 388 ft³/s (10.99 m³/s), 20.11 in/yr (511 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 44,100 ft³/s (1,250 m³/s) Mar. 21, 1955, gage height, 28.72 ft (8.754 m), present datum, from rating curve extended above 22,000 ft³/s (623 m³/s); minimum, 4.4 ft³/s (0.12 m³/s) Sept. 14, 1954.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 12,500 ft³/s (354 m³/s) Apr. 12, gage height, 26.82 ft (8.175 m), only peak above base of 8,000 ft³/s (227 m³/s); minimum daily, 16 ft³/s (0.45 m³/s) Oct. 4-10.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	21	17	35	3460	188	35	2420	160	1240	44	122	53
2	12	18	33	1940	161	279	5660	807	770	41	96	100
3	17	19	570	1480	207	2890	4140	1700	678	39	82	234
4	11	18	1520	1020	216	3870	2590	5630	468	38	86	150
5	11	12	251	699	173	2070	1700	4650	316	37	89	86
6	11	19	124	1300	352	1170	1180	2220	334	37	80	67
7	11	21	115	3340	2050	770	841	1330	434	225	71	57
8	11	21	848	1560	1200	505	699	934	314	117	60	51
9	11	21	2000	1160	916	307	647	660	210	840	68	45
10	11	22	247	723	515	517	466	450	149	125	58	41
11	14	22	161	494	307	556	718	301	123	78	61	30
12	17	21	135	343	250	345	9750	1100	115	1840	67	37
13	35	21	121	244	212	279	9090	694	92	583	54	745
14	29	20	109	188	185	240	3160	367	84	793	46	2610
15	21	37	107	159	170	197	1770	239	80	421	40	3150
16	21	51	114	159	147	171	1320	185	75	202	38	1500
17	15	88	98	216	128	154	1100	150	68	156	36	847
18	15	49	90	466	156	144	931	123	61	116	35	607
19	15	32	89	515	175	139	773	110	56	104	33	456
20	18	27	94	4940	240	138	627	100	57	531	33	415
21	18	24	202	4780	1100	134	444	95	54	787	32	1520
22	18	27	132	2940	810	268	352	193	53	671	39	1690
23	18	32	120	1740	980	2920	637	381	48	417	45	1290
24	18	28	112	1520	841	1510	512	164	233	203	99	734
25	18	27	100	1120	1030	1090	737	107	144	212	102	403
26	18	40	94	894	787	632	640	87	86	263	76	248
27	18	50	89	859	686	367	397	627	68	193	138	195
28	18	47	86	642	444	307	278	597	57	141	89	165
29	19	45	97	470	---	248	216	1690	78	288	68	143
30	18	41	123	312	---	216	182	1600	50	332	68	126
31	18	---	3060	245	---	2840	---	1960	---	202	87	---
TOTAL	583	1053	11076	40948	14586	25648	53977	28991	6595	9676	2098	17784
MEAN	18.8	35.1	357	1321	521	827	1799	935	220	312	67.7	593
MAX	35	91	3060	5780	2050	3870	9750	5630	1240	1840	138	3150
MIN	11	17	33	159	128	134	182	87	48	37	32	37
CFSM	.07	.13	1.36	5.04	1.99	3.16	6.87	3.57	.84	1.19	.26	2.26
IN.	.08	.15	1.57	5.81	2.07	3.64	7.66	4.12	.94	1.37	.30	2.53
CAL YR 1978	TOTAL	122634	MEAN 336	MAX 7880	MIN 16	CFSM 1.28	IN 17.41					
WTR YR 1979	TOTAL	213015	MEAN 584	MAX 9750	MIN 16	CFSM 2.23	IN 30.24					

YAZOO RIVER BASIN

07274500 ENID LAKE NEAR ENID, MS

LOCATION.--Lat 34°09'29", long 89°54'14", in SW¼NE¼ sec.2, T.11 S., R.7 W., Chickasaw Meridian, Yalobusha County, Hydrologic Unit 08030203, in gatehouse of dam on Yocona River, 0.8 mi (1.3 km) upstream from U.S. Highway 51, 2.8 mi (4.5 km) upstream from Illinois Central Railroad bridge, 3.2 mi (5.1 km) northeast of Enid, and 13.5 mi (21.7 km) upstream from the mouth of Yocona River.

DRAINAGE AREA.--560 mi² (1,450 km²).

PERIOD OF RECORD.--July 1951 to current year. Prior to October 1970, published as Enid Reservoir near Enid.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to May 24, 1952, nonrecording gage at same site. Prior to Oct. 1, 1958, at datum 200.00 ft (60.960 m) NGVD.

REMARKS.--Reservoir is formed by rolled-filled earth dam with concrete spillway and outlet tunnel. Storage began July 16, 1951. Capacity, 660,000 acre-ft (814 hm³) at elevation 268.0 ft (81.69 m), crest of spillway, of which about 602,400 acre-ft (743 hm³) is available for flood control and about 57,600 acre-ft (71.0 hm³) of storage is maintained in conservation pool for incidental recreational purposes at elevation 230.0 ft (70.10 m), 25 ft (7.6 m) above sill of outlet tunnel. Water below elevation 205.0 ft (62.48 m) cannot be withdrawn through outlet tunnel. Figures given herein represent total contents.

COOPERATION.--Records furnished by Corps of Engineers and reviewed by Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 752,000 acre-ft (927 hm³) Apr. 28, 1973, elevation, 271.15 ft (82.647 m); minimum since initial filling of reservoir to conservation level, 480 acre-ft (0.592 hm³) Sept. 23 to Oct. 7, 1952; minimum elevation, 207.10 ft (63.124 m) Oct. 3-7, 1952.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 639,300 acre-ft (788 hm³) May 9, elevation, 267.25 ft (81.458 m); minimum, 57,500 acre-ft (70.9 hm³) Dec. 2, elevation, 229.99 ft (70.101 m).

Capacity table (elevation in feet, and contents, in thousands of acre-feet)

229	51.7	250	270.0
230	57.6	255	358.2
235	93.4	260	460.2
240	139.4	265	579.5
245	197.3	268	660.0

RESERVOIR STORAGE (AC-FT), WATER YEAR BEGINNING 1978 IN SEPTEMBER 1979
INSTANTANEOUS OBSERVATIONS AT 0600

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	202700	122700	58300	133100	308200	319900	321600	568800	610900	524400	478400	359300
2	200200	120200	57800	136700	306800	315500	410800	566000	609600	519900	474900	354800
3	198400	117700	57700	165300	305400	324200	437400	570800	608000	516300	470900	351200
4	196100	114600	72200	169300	304500	351400	448700	593800	606700	511300	466600	347500
5	193800	111400	78300	172500	303300	358400	455800	621100	603200	507300	463100	343600
6	191700	108300	79500	173800	302000	361300	460000	631000	600600	503500	460200	339100
7	189400	105200	76400	194000	308900	362000	463300	635400	597200	501400	456700	334700
8	187100	102000	79400	204300	314000	362000	465300	637900	594100	498600	453700	330000
9	185100	98800	92600	209000	314900	362200	470600	639300	590700	504400	450600	325300
10	183000	95500	96100	211800	314700	362200	474400	636400	587000	501200	446500	320900
11	180800	92400	98500	213500	314000	363000	475100	636800	583700	500000	442800	316300
12	178900	89100	98600	214200	312800	362800	504400	638200	579200	511800	439800	311900
13	176700	86400	99200	216000	311700	362200	506100	638700	575400	516600	435500	309900
14	174900	83400	99600	214700	310500	361100	506200	637600	571800	518500	431300	309100
15	173100	80700	99800	215400	308900	360500	509000	635100	568000	519900	427000	311400
16	171000	81100	100000	215600	307700	359200	572600	632100	563700	520800	422800	311700
17	169000	82200	100400	215700	306200	357800	575700	628900	559700	518700	418200	309800
18	166200	80300	100700	217600	304700	356100	578000	624800	555600	514900	413300	306400
19	162900	77000	100700	219200	303800	355000	579500	620800	554600	510600	408800	303600
20	159700	73700	101100	233900	302400	353700	579200	616800	553600	507700	404500	303300
21	156500	70400	102500	259800	303400	352600	577700	613600	551600	505100	405900	310700
22	153400	67400	103300	277400	306100	351800	576900	610900	553300	502600	395800	315100
23	150200	65900	103700	285500	307800	364100	580300	609600	552400	500200	391400	318300
24	147100	64000	104000	290900	311700	372200	580800	606900	551600	497200	388100	317900
25	143000	60100	104100	296400	316000	374100	580000	603000	549600	493500	385700	314900
26	140900	59800	104200	300000	319000	374900	579200	598500	545400	491500	382500	311200
27	138100	58500	104500	302000	319900	374700	577700	595400	541500	488900	378200	307500
28	134800	59900	104800	305000	320400	373900	575700	596900	537100	487600	374100	303100
29	131700	59700	104800	307500	---	372900	573400	606100	532900	488700	371200	299300
30	128700	59100	105200	308400	---	372200	570600	609100	528800	485900	367200	295200
31	125800	---	111100	307700	---	379400	---	610900	---	482500	363400	---
MAX	202700	122700	111100	308400	320400	379400	580800	639300	610900	524400	478400	359300
MIN	125800	58500	57700	133100	302000	319500	391600	566000	528800	482500	363400	295200
†	238.41	230.17	238.07	252.26	252.91	256.56	264.60	+266.21	+262.84	261.89	255.14	251.33
‡	-79500	-65000	+61700	+187800	+11500	+68700	+180900	+41900	-85600	-22600	-142100	-68800
CAL YR 1978	MAX 440700	MIN 57700	‡ -83600									
WTR YR 1979	MAX 639300	MIN 57700	‡ +88900									

† Elevation, in feet, at 2400, on last day of month.

‡ Change in contents, in acre-feet.

YAZOO RIVER BASIN

177

07275000 YOCONA RIVER AT ENID DAM, NEAR ENID, MS

LOCATION.--Lat 34°09'29", long 89°54'14", in SW¼NE¼ sec.2, T.11 S., R.7 W., Chickasaw Meridian, Yalobusha County, Hydrologic Unit 08030203, in gatehouse at Enid Dam, 0.8 mi (1.3 km) upstream from U.S. Highway 51, 2.8 mi (4.5 km) upstream from Illinois Central Railroad bridge, 3.2 mi (5.1 km) northeast of Enid, and 13.5 mi (21.7 km) upstream from mouth.

DRAINAGE AREA.--560 mi² (1,450 km²).

PERIOD OF RECORD.--July 1928 to current year. Prior to October 1951, published as Yocona River near Enid. Monthly discharge only for some periods, published in WSP 1311.

REVISED RECORDS.--WSP 1281: 1929, 1945. WSP 1511: 1929(M).

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929. Prior to July 14, 1939, nonrecording gage and July 14, 1939, to Aug. 19, 1940, water-stage recorder at site 150 ft (46 m) downstream from bridge on U.S. Highway 51, 0.8 mi (1.3 km) downstream. Aug. 20, 1940, to July 15, 1951, water-stage recorder at bridge on U.S. Highway 51. July 16, 1951, to May 23, 1952, nonrecording gage at present site. Prior to July 16, 1951, at datum 189.42 ft (57.735 m) NGVD July 16, 1951, to Sept. 30, 1958, at datum 200.00 ft (60.960 m) NGVD.

REMARKS.--Flow completely regulated by Enid Lake since July 16, 1951 (see station 07274500).

COOPERATION.--Records furnished by Corps of Engineers and reviewed by Geological Survey.

AVERAGE DISCHARGE.--51 years, 862 ft³/s (24.41 m³/s), 20.90 in/yr (531 mm/yr), unadjusted.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 36,300 ft³/s (1,030 m³/s) Feb. 14, 1948, gage height, 21.61 ft (6.587 m), site and datum then in use; maximum discharge since July 1951, when regulation began, 6,060 ft³/s (172 m³/s) Dec. 28, 1951; minimum, no flow at times each year July 1951 to December 1958; minimum discharge prior to construction of Enid Dam, 34 ft³/s (0.96 m³/s) Sept. 28, 1931, but may have been less during periods of estimated record October to December 1931.

EXTREMES FOR WATER YEAR 1978.--Maximum discharge, 2,530 ft³/s (71.6 m³/s) Sept. 8, elevation, 248.90 ft (75.865 m) minimum, 5.0 ft³/s (0.14 m³/s) at times.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 2,250 ft³/s (63.7 m³/s) Aug. 9-17, Sept. 5-11, Sept. 14-18, Sept. 25-29; minimum discharge, 5 ft³/s (0.14 m³/s) at times.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	505	1410	5.0	1460	1190	1390	584	196	1020	1560	5.0	1180
2	505	460	5.0	1460	1190	1100	584	5.0	661	1560	5.0	1180
3	844	563	5.0	1460	1190	745	583	5.0	446	1550	5.0	1180
4	1090	1580	5.0	986	1190	747	583	5.0	446	1550	5.0	1170
5	1080	1570	826	452	1180	747	583	5.0	593	1550	5.0	1170
6	1080	1560	1420	200	1180	747	582	5.0	837	1550	5.0	1170
7	1080	1560	1420	200	1180	748	582	5.0	352	1550	5.0	1170
8	1080	1550	1420	200	1180	747	582	5.0	5.0	1540	5.0	1100
9	1080	1540	1410	202	1180	747	581	5.0	175	1540	5.0	1160
10	1080	1540	1410	202	1180	748	581	5.0	459	1540	5.0	1160
11	1080	1530	1410	203	1180	749	582	5.0	727	1540	5.0	1160
12	1070	1520	1410	204	1170	750	583	5.0	966	1540	5.0	1150
13	1070	1510	1410	203	1170	751	583	5.0	1040	1530	5.0	1150
14	1070	1500	1410	204	1170	756	582	5.0	1190	1530	5.0	1150
15	1060	1720	1410	204	1170	764	582	5.0	1480	1780	5.0	1150
16	1060	857	1410	204	1170	766	582	5.0	1470	1950	5.0	1150
17	1220	5.0	1410	206	1170	767	581	5.0	1470	1900	808	1140
18	1530	1060	1410	208	1170	768	581	190	1470	1940	1190	431
19	1520	1760	1400	208	1160	768	580	448	127	1930	1190	336
20	1520	1760	1400	209	1160	768	580	448	194	1920	1100	1140
21	1510	1530	1400	209	1380	768	580	449	457	1920	1020	1140
22	1510	1410	1400	209	1530	677	579	450	457	1910	1020	1130
23	1500	1180	1390	756	1520	586	579	642	930	1910	835	1130
24	1500	1020	1390	1530	1520	585	578	1020	1300	1900	819	1130
25	1490	1020	1390	643	1520	585	578	1020	1300	1900	1110	1130
26	1390	1020	1390	5.0	1510	585	577	1020	1300	1890	1190	1120
27	1150	1020	1380	5.0	1510	584	577	1020	1290	1880	1190	1120
28	1260	1020	1380	5.0	1510	584	576	1020	1290	1770	1190	1120
29	1420	324	1380	5.0	---	584	576	1020	1290	1760	1190	1090
30	1420	5.0	1370	324	---	584	575	1020	1340	1760	1180	1030
31	1420	---	1370	941	---	584	---	1020	---	589	1180	---
TOTAL	37194	36194.0	37246.0	13557.0	35530	22779	17416	11063.0	26082.0	52199	16292.0	32737
MEAN	1200	1206	1201	437	1269	735	581	357	869	1684	526	1091
MAX	1530	1760	1420	1530	1530	1390	584	1020	1480	1950	1190	1180
MIN	505	5.0	5.0	5.0	1160	584	575	5.0	5.0	584	5.0	336
†	-877	+1228	+55.3	+1252	-882	+501	-208	+2371	+264	-1773	-514	-1144
CAL YR 1977 TOTAL	232603.0		MEAN 637	MAX 1760	MIN 5.0	† +30.1						
WTR YR 1978 TOTAL	338289.0		MEAN 927	MAX 1950	MIN 5.0	† +165						

† Change in contents, equivalent, in cubic feet per second, in Enid Lake (see station 07274500).

YAZOO RIVER BASIN

07275000 YOCONA RIVER AT ENID DAM, NEAR ENID, MS--Continued

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1020	1310	928	5.0	1000	1050	1100	1650	2050	2150	2100	2150
2	1020	1160	277	5.0	1250	1050	200	1650	2050	2150	2100	2150
3	1020	1250	209	5.0	1250	1100	5.0	1650	2050	2150	2100	2150
4	1020	1410	5.0	5.0	1250	1100	5.0	700	2050	2150	2100	2200
5	1020	1460	5.0	5.0	1250	1100	5.0	5.0	2050	2150	2100	2250
6	1010	1350	71	150	1250	1100	5.0	5.0	2050	2150	2100	2250
7	1010	1350	164	5.0	1250	1100	5.0	150	2000	2000	1800	2250
8	1010	1370	98	5.0	1250	1100	5.0	500	2000	2000	1600	2250
9	1010	1360	5.0	5.0	1250	1100	5.0	900	2000	1950	2250	2250
10	1000	1350	5.0	250	1250	1100	5.0	1450	2000	1300	2250	2250
11	995	1300	5.0	400	1250	1100	5.0	1450	2000	5.0	2250	2250
12	998	1370	5.0	400	1250	1100	5.0	1450	2000	5.0	2250	1500
13	995	1320	102	400	1250	1100	5.0	1450	2000	5.0	2250	1100
14	993	1310	172	400	1250	1100	5.0	1650	2000	5.0	2250	2250
15	990	1410	172	400	1250	1100	5.0	2050	2000	5.0	2250	2250
16	987	221	172	400	1250	1100	100	2050	2000	950	2250	2250
17	1170	908	173	400	1250	1100	200	2050	2000	2150	2250	2250
18	1540	1540	173	400	1250	1100	200	2050	1050	2150	2200	2250
19	1530	1530	173	400	1250	1100	450	2050	500	2150	2200	1500
20	1520	1520	173	150	1250	1100	1200	2050	500	2150	2200	5.0
21	1510	1500	173	5.0	1250	1100	1650	2050	500	2150	2200	5.0
22	1510	1180	174	5.0	1200	1100	1650	2050	500	2150	2200	150
23	1500	1010	174	5.0	1050	1100	1650	2050	1650	2150	2200	900
24	1490	1000	174	5.0	1050	1100	1650	2050	2100	2150	2200	1900
25	1480	953	174	5.0	1050	1100	1650	2100	2050	2150	2200	2250
26	1480	984	174	5.0	1050	1100	1650	2200	2200	2150	2200	2250
27	1470	781	174	5.0	1050	1100	1650	2150	2200	1050	2200	2250
28	1460	504	174	5.0	1050	1100	1650	2050	2150	700	2200	2250
29	1460	503	174	250	---	1100	1650	2050	2150	1750	2200	2250
30	1450	502	174	550	---	1100	1650	2050	2150	2100	2150	2200
31	1440	---	174	650	---	1100	---	2050	---	2100	2150	---
TOTAL	38112	34811	4500.0	5725.0	33500	34000	20015.0	49810.0	54000	50325.0	60950	56205.0
MEAN	1229	1160	145	185	1196	1097	667	1607	1800	1623	2160	1874
MAX	1540	1540	928	650	1250	1100	1650	2200	2200	2150	2250	2250
MIN	987	221	5.0	5.0	1000	1050	5.0	5.0	500	5.0	1600	5.0
+	-1293	-1092	+1003	+3054	+207	+1117	+3040	+681	-1439	-368	-2311	-1156
CAL YR 1978 TOTAL	305070.0		MEAN	836	MAX	1950	MIN	5.0	+	-115		
WTR YR 1979 TOTAL	447953.0		MEAN	1227	MAX	2250	MIN	5.0	+	+123		

+ Change in contents, equivalent in cubic feet per second, in Enid Lake (see station 07274500).

07278000 ARKABUTLA LAKE NEAR ARKABUTLA, MS

LOCATION.--Lat 34°45'26", long 90°07'27", in SW¼ sec.2, T.4 S., R.9 W., Chickasaw Meridian, De Soto County, Hydrologic Unit 08030204, in gatehouse of dam on Coldwater River, 4 mi (6 km) north of Arkabutla, and 54.3 mi (87.4 km) upstream from the mouth of Coldwater River.

DRAINAGE AREA.--1,000 mi² (2,590 km²), approximately.

PERIOD OF RECORD.--August 1941 to current year. Prior to October 1970 published as Arkabutla Reservoir near Arkabutla.

REVISED RECORDS.--WSP 1007: 1941. WSP 1241: 1947.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to July 1, 1942, nonrecording gage at same site. Prior to Oct. 1, 1958, at datum 191.18 ft (58.272 m) NGVD.

REMARKS.--Reservoir is formed by rolled-filled earth dam with concrete spillway and outlet tunnel. Storage began Aug. 14, 1941. Dam completed Aug. 31, 1945. Capacity, 525,300 acre-ft (648 hm³) at elevation 238.3 ft (72.63 m), crest of spillway, of which about 493,800 acre-ft (609 hm³) is available for flood-control storage and about 31,500 acre-ft (39.8 hm³) of storage is maintained in conservation pool for incidental recreational purposes at elevation 209.3 ft (63.79 m), 18 ft (5.5 m) above sill of outlet gates. Water below elevation 191.3 ft (58.31 m) cannot be withdrawn through outlet tunnel. Figures given herein represent total contents.

COOPERATION.--Records furnished by Corps of Engineers and reviewed by Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 702,800 acre-ft (867 hm³) Apr. 25, 1973 (elevation, 243.08 ft or 74.091 m); minimum, since initial filling of reservoir to conservation level, 30 acre-ft (37,000 m³) at times during 1942-45; minimum elevation, 192.83 ft (58.775 m) Aug. 25, 1943.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 586,400 acre-ft (723 hm³) May 7, elevation 240.04 ft (73.164 m); minimum, 45,000 acre-ft (55.5 hm³) Nov. 15, elevation, 211.64 ft (64.508 m).

Capacity table (elevation in feet, and contents, in thousands of acre-feet)

210	35.3	225	195.9
215	69.8	230	295.0
218	98.9	235	423.1
220	122.3	240	584.9
222	149.0	245	783.6

RESERVOIR STORAGE (ACRE-FT), WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	77400	55300	47800	163100	316100	265500	278600	453200	508100	413700	325500	250200
2	76200	54400	46500	216100	309500	262400	299600	445400	502600	407800	320100	251000
3	75600	53600	45400	232400	302100	261700	359400	447200	518900	401700	331500	249200
4	75100	52800	40700	241000	294800	321600	378300	509400	523300	395800	331300	248800
5	74700	52000	135100	248000	288300	346200	395800	569300	520300	389600	332500	240100
6	73900	51200	108900	245800	281200	356300	400000	581300	516200	384700	328100	235100
7	73500	50600	154700	249600	271300	361500	401100	586400	512000	379100	322800	229700
8	72700	49900	171400	258600	275700	362200	400600	586400	506400	373500	316800	223500
9	72200	49100	212600	257400	271200	361200	400900	584200	500600	380400	311600	217600
10	71600	48400	235200	256800	266300	359400	400900	579900	494800	382600	306500	212100
11	71000	47600	201800	248600	261300	362800	400900	574200	488700	383100	303100	206400
12	70500	46900	205800	243800	255500	360400	434500	577000	482700	389600	300100	200600
13	69900	47000	250000	238900	250000	355300	477000	577100	476700	398100	295100	194900
14	69400	46800	247800	235600	204200	348600	484000	570700	470800	399200	289400	194900
15	69400	46500	235200	228600	238700	362900	425100	568700	464500	399700	283700	188400
16	68900	46100	237700	221700	231800	355200	426800	558800	458200	400600	277900	182600
17	68400	45800	231600	214800	222800	327900	424800	552500	454800	396100	272300	176900
18	67800	45500	226100	211300	216600	320900	420000	547000	451700	389800	266300	171300
19	66700	45100	219200	206400	209700	313300	424900	541200	448700	383900	260700	165800
20	65800	40400	212800	221300	203600	307000	478000	534400	440500	377800	255300	165900
21	64900	49300	208100	270800	192500	300500	469600	528700	402800	372200	249800	172200
22	64000	48300	203600	296600	196000	296100	462500	534400	438300	366600	245400	181800
23	63100	48500	197100	306800	196900	296600	457700	533200	431900	361500	240800	185700
24	62200	48200	190500	321800	216600	304700	422900	539500	436900	356100	249200	184100
25	61200	47800	184100	335900	238300	301400	423500	535400	439800	351500	253700	179800
26	60500	47300	177700	338600	263300	297800	428400	530700	438000	347400	254700	175500
27	59600	46300	170800	337900	267800	292500	423000	525000	435100	344600	255500	170700
28	58700	45600	163700	335900	267600	289600	418500	523300	430400	344100	255700	164800
29	57800	44710	157200	335700	---	280000	418000	521600	425700	342300	258800	158300
30	56900	44200	146000	328900	---	278600	410800	518200	419400	336700	260100	152300
31	56100	---	145200	321800	---	272900	---	512900	---	331100	255900	---
6X	77400	55300	250000	338600	316100	362800	426800	588400	523300	413700	332800	251000
61X	56100	45000	45400	163100	196400	261700	278600	445400	419400	331100	245400	152300
+	213.18	212.09	222.34	230.98	228.66	229.15	236.07	237.81	234.73	231.33	227.99	221.96
±	-22000	-7600	+106100	+163700	-52000	+10500	+178600	+54900	-94300	-89200	-74400	-103400

(2) 1978 6X 354300 61X 29800 ± +107500
(3) 1979 6X 584400 61X 45000 ± +70900

+ Elevation, in feet, at 2400, at end of month.

± Change, in contents, in acre-feet.

07278500 COLDWATER RIVER AT ARKABUTLA DAM, NEAR ARKABUTLA, MS

LOCATION.--Lat 34°45'26", long 90°07'27", in SW¼ sec.2, T.4 S., R.9 W., Chickasaw Meridian, De Soto County, Hydrologic Unit 08030204, in gatehouse of Arkabutla Dam, 4.0 mi (6.4 km) north of Arkabutla, and 54.3 mi (87.4 km) upstream from mouth.

DRAINAGE AREA.--1,000 mi² (2,590 km²), approximately.

PERIOD OF RECORD.--May 1937 to September 1941, January 1942 to current year. Prior to October 1938 monthly discharge only, published in WSP 1311. Prior to October 1941 published as "at Pratts Bridge near Arkabutla."

REVISED RECORDS.--WSP 1241: 1946. WSP 1441: 1938(M).

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to Oct. 1, 1939, nonrecording gage and Oct. 1, 1939, to Sept. 30, 1941, water-stage recorder at site 1.7 mi (2.7 km) downstream at datum 187.54 ft (57.162 m) NGVD. Jan. 1 to June 30, 1942, nonrecording gage 135 ft (41 m) downstream from outlet tunnel of Arkabutla Dam and July 1, 1942, to Dec. 31, 1947, water-stage recorder at site 370 ft (113 m) downstream from outlet tunnel, both at datum 171.28 ft (52.206 m) NGVD. Jan. 1, 1948, to Sept. 30, 1958, at present datum 191.18 ft (58.272 m) NGVD.

REMARKS.--Flow completely regulated by Arkabutla Lake since January 1942 (see station 07278000).

COOPERATION.--Records furnished by Corps of Engineers and reviewed by Geological Survey.

AVERAGE DISCHARGE.--41 years, 1,328 ft³/s (37.61 m³/s), 18.03 in/yr (458 mm/yr), unadjusted.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge observed, 30,200 ft³/s (855 m³/s) Jan. 22, 1938 (gage height, 12.9 ft or 3.93 m, site and datum then in use); no flow at times each year 1942 to 1958; minimum daily discharge, prior to the effect of construction of Arkabutla Lake, 120 ft³/s (3.40 m³/s) Oct. 15, 1938.

EXTREMES OUTSIDE PERIOD OF RECORD.--A stage of 21.3 ft or 6.49 m (from floodmarks) occurred in January 1935 at original site and datum.

EXTREMES FOR WATER YEAR 1978.--Maximum daily discharge, 4,580 ft³/s (130 m³/s) Dec. 12; minimum, 5.0 ft³/s (0.14 m³/s) at times.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 4,200 ft³/s (119 m³/s) Apr. 23, 24; minimum, 5.0 ft³/s (0.14 m³/s) at times.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	604	1350	5.0	2810	2020	2050	1400	550	2550	1560	1740	724
2	606	1060	5.0	2890	2010	1710	1360	552	1160	1560	1730	722
3	607	945	5.0	2410	2000	1600	1330	555	551	1560	1720	721
4	607	924	5.0	654	1990	1600	1290	559	551	1550	1720	720
5	606	903	1480	172	1990	1590	1260	562	723	1550	1710	718
6	606	884	2560	96	2150	1570	1220	572	1010	1540	1710	715
7	605	867	2220	98	2480	1540	1180	196	1020	1540	1700	714
8	606	763	4020	110	2470	1510	1150	5.0	551	1540	1700	712
9	607	783	4480	115	2460	1480	1120	5.0	239	1540	1690	710
10	608	762	4380	354	2450	1460	865	5.0	378	1530	1680	708
11	835	746	4520	763	2430	1450	546	5.0	496	1530	1670	706
12	1040	726	4580	802	2420	1440	549	5.0	815	1530	1660	704
13	1040	709	4470	824	2390	1430	549	5.0	1210	1520	1623	704
14	1030	1100	4420	833	2360	1450	549	5.0	1480	1690	763	702
15	1030	1240	4540	834	2330	1580	549	176	1480	1830	1650	702
16	1030	916	4520	855	2290	1670	547	828	1480	1820	1640	702
17	1020	724	4410	1030	2240	1760	547	1050	1470	1820	1620	701
18	1020	1120	4470	1190	2190	1720	547	1490	1470	1810	1610	700
19	1010	1370	4420	1340	2140	1710	547	2100	1470	1800	1590	698
20	1010	1350	4000	1380	2080	1680	548	2100	1470	1800	1580	696
21	1000	968	3410	1380	2440	1660	548	2100	1470	1790	1570	694
22	1000	902	3580	1380	2670	1730	547	2430	1470	1790	1550	693
23	990	1010	3460	1950	2590	1770	547	3100	1470	1780	1550	690
24	990	1060	3460	1880	2510	1710	547	3090	1470	1780	1530	688
25	980	1080	3460	552	2440	1690	547	3080	1470	1770	1510	687
26	980	1090	3500	5.0	2360	1650	548	3060	1460	1760	1500	684
27	970	1090	3480	197	2300	1610	549	3060	1540	1760	1480	682
28	960	1090	3100	520	2240	1570	549	3040	1570	1760	1180	680
29	950	762	2960	522	---	1530	549	3030	1570	1750	728	597
30	947	5.0	2920	1340	---	1490	548	3020	1560	1740	728	434
31	1170	---	2940	2020	---	1450	---	3010	---	1740	726	---
TOTAL	27064	28299.0	99780.0	31306.0	64440	49800	23132	43345.0	36624	52040	45558	20708
MEAN	873	943	3219	1010	2301	1606	771	1398	1221	1679	1470	690
MAX	1170	1370	4580	2890	2670	2050	1400	3100	2550	1830	1740	724
MIN	604	5.0	5.0	5.0	1990	1430	546	5.0	239	1520	623	434
†	-498	+1297	-1713	+2783	-2020	-255	-314	+3593	-345	-1477	-1221	-471

CAL YR 1977 TOTAL 349482.0 MEAN 957 MAX 4580 MIN 5.0 † +9.1
WTR YR 1978 TOTAL 522096.0 MEAN 1430 MAX 4580 MIN 5.0 † -38.3

† Change in contents, equivalent in cubic feet per second, in Arkabutla Lake (see station 07278000).

07278500 COLDWATER RIVER AT ARKABUTLA DAM, NEAR ARKABUTLA, MS--Continued

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	433	507	661	900	3750	3600	3900	4100	2900	3050	3050	3000
2	431	505	1000	5.0	4050	3550	1200	4100	2950	3050	1950	3000
3	430	502	423	5.0	4050	2100	5.0	4150	3050	3050	1350	3000
4	430	499	5.0	5.0	4000	5.0	450	1550	3050	3000	3050	3000
5	428	495	5.0	1500	4000	5.0	1100	1300	3050	3000	3050	3000
6	427	492	392	3450	3950	350	1100	1800	3050	3000	3050	2950
7	427	489	1040	3500	3950	1050	1100	1950	3050	3000	3050	3000
8	426	486	708	3550	3950	1400	1100	1900	3050	3000	3000	3000
9	426	482	5.0	3500	3900	2400	1100	2750	3000	950	3000	3000
10	425	479	5.0	3500	3900	3100	1100	2600	3000	5.0	3000	3000
11	423	476	5.0	3450	3900	3100	1100	3050	3000	5.0	3000	3000
12	423	472	5.0	3350	3850	3450	5.0	3700	3000	5.0	3000	2050
13	422	466	1330	3300	3850	4100	5.0	3650	3000	5.0	3000	1450
14	422	462	3000	3450	3800	4050	5.0	3500	3000	5.0	2950	3000
15	421	458	3170	3600	3850	4050	450	3300	3000	5.0	2950	2900
16	421	138	3290	3750	3900	4050	1400	3100	2500	1300	2950	2850
17	459	540	3220	3700	3890	4050	2350	2750	1450	3000	2950	2850
18	539	924	3370	3700	3700	4000	3000	3100	1450	3000	2900	3050
19	537	906	3400	3800	3600	3950	3400	3150	1450	3000	2900	2100
20	535	889	3320	1250	3750	3950	4150	2950	1400	3000	2900	5.0
21	533	876	3260	5.0	3900	3950	4100	3100	1950	3000	2900	50
22	530	699	3440	5.0	3950	4000	4150	3050	3100	3000	950	150
23	528	576	3480	5.0	3100	4050	4200	3200	3100	2950	5.0	1150
24	525	571	3390	5.0	3200	4050	4200	3100	1100	2950	5.0	2450
25	523	563	3310	550	3550	4050	4150	3000	500	2950	5.0	2850
26	521	560	3480	1410	3700	3950	4150	2900	1550	2950	5.0	2850
27	519	572	3510	2050	3700	3950	4150	2900	2100	1450	5.0	2200
28	517	578	3420	2050	3650	3850	4150	2900	3100	900	5.0	3050
29	514	577	3550	2650	---	3800	4100	2900	3050	2400	5.0	2950
30	512	571	3570	3550	---	3750	4100	2900	3050	3050	1250	2850
31	510	---	3020	3550	---	3800	---	2900	---	3050	3000	---
TOTAL	14617	16810	65784.0	69095.0	106340	99510.0	69470.0	91300	76000	67080.0	65185.0	73755.0
MEAN	472	540	2122	2229	3798	3210	2316	2945	2533	2164	2103	2459
MAX	539	924	3570	3800	4050	4100	4200	4150	3100	3050	3050	3050
MIN	421	138	5.0	5.0	3100	5.0	5.0	1300	500	5.0	5.0	5.0
†	-358	-128	+1726	+2662	-936	+171	+3001	+893	-1585	-1451	-1210	-1738
CAL YR 1978 TOTAL	464164.0											
MEAN	1272											
MAX	3570											
MIN	5.0											
†	+148											
CAL YR 1979 TOTAL	814946.0											
MEAN	2233											
MAX	4200											
MIN	5.0											
†	+97.9											

† Change in contents, equivalent in cubic feet per second, in Arkabutla Lake (see station 07278000).

07280000 TALLAHATCHIE RIVER NEAR LAMBERT, MS

LOCATION.--Lat 34°10'50", long 90°12'55", in NE1SW1/4 sec.29, T.27 N., R.1 E., Choctaw Meridian, Quitman County, Hydrologic Unit 08030202, near center of span on downstream side of highway bridge, 0.2 mi (0.3 km) downstream from confluence of Old Little Tallahatchie River and Coldwater River, 3.5 mi (5.6 km) southeast of Lambert, and 26.2 mi (42.2 km) upstream from the Panola-Quitman Floodway.

DRAINAGE AREA.--1,980 mi² (5,130 km²), approximately (does not include 2,600 mi² or 6,730 km²) of upper Little Tallahatchie (formerly Tallahatchie) and Yocona Rivers, the entire flow of which is diverted 24.5 mi (39.4 km) upstream through Panola-Quitman Floodway.

PERIOD OF RECORD.--October 1935 to current year. Prior to October 1938, monthly discharge only, published in WSP 1311.

REVISED RECORDS.--WSP 1281: 1939.

GAGE.--Water-stage recorder. Datum of gage is 123.83 ft (37.743 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to Sept. 5, 1946, nonrecording gage at same site and datum. Since Sept. 11, 1946, auxiliary water-stage recorder 5.8 mi (9.3 km) downstream from base gage at datum 2.66 ft (0.811 m) higher. Dec. 9, 1938, to Sept. 10, 1946, auxiliary nonrecording gage at same site and datum.

REMARKS.--Flow partly regulated by Arkabutla Lake on Coldwater River (see station 07278000). Entire flow of Little Tallahatchie River and Yocona River diverted around the station through the Panola-Quitman Floodway.

COOPERATION.--Results of 27 discharge measurements during 1978 water year and 25 discharge measurements during 1979 water year and records of daily discharge furnished by Corps of Engineers; records reviewed by Geological Survey.

AVERAGE DISCHARGE.--44 years, 2,721 ft³/s (77.06 m³/s), 18.66 in/yr (474 mm/yr), unadjusted.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge observed, 32,800 ft³/s (929 m³/s) Jan. 30, 1937 (gage height, 35.54 ft or 10.833 m); minimum, 59 ft³/s (1.67 m³/s) Oct. 27-29, 1942; minimum gage height, 5.85 ft (1.783 m) Oct. 16-21, 1938.

EXTREMES OUTSIDE PERIOD OF RECORD.--A stage of 36.8 ft (11.22 m), from floodmarks, occurred in January 1932 (probably affected by levee breaks above).

EXTREMES FOR WATER YEAR 1978.--Maximum discharge, 9,500 ft³/s (269 m³/s) May 10, gage height, 30.16 ft (9.193 m); minimum daily, 549 ft³/s (15.6 m³/s) Nov. 11.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 10,100 ft³/s (286 m³/s) Apr. 5, gage height, 31.0 ft (9.45 m); minimum daily, 223 ft³/s (6.32 m³/s) Sept. 24.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2210	1230	8080	3480	7070	2920	1900	1820	3720	1900	2030	1310
2	2021	1340	8220	3330	6030	2870	1850	3170	4450	1870	2110	1200
3	1790	1390	8060	3220	4520	3050	1790	2770	5370	1880	2120	1180
4	1440	1080	7450	3190	4440	3700	1710	3210	4380	1940	2050	1030
5	958	902	6460	2440	4070	3510	1680	3360	3290	2010	2030	990
6	783	950	5500	1520	3740	3100	1590	2830	2350	1930	2040	957
7	820	1020	5190	1370	3400	2700	1540	3260	1820	1890	1960	948
8	865	969	4650	1220	3450	2520	1460	7850	3300	1950	1960	926
9	1560	890	4750	2700	3200	2330	1430	8850	3450	2100	1930	993
10	1500	551	4830	3410	3150	2310	1360	9410	2820	2020	1970	782
11	1150	549	4940	3190	3110	2240	1480	9280	2530	2070	2020	816
12	840	570	4860	2880	3030	2210	2460	9010	2000	2020	2100	832
13	890	738	4920	2440	3200	2230	1320	9290	1940	1980	2100	849
14	1050	815	5780	2020	3460	4510	1030	9260	1750	1910	2330	948
15	1130	810	6200	1730	3530	6030	990	8850	1890	1880	2090	1030
16	1160	1010	6160	1650	3440	5880	838	8250	2290	2060	1960	1350
17	1170	2170	6270	2950	3150	5260	805	7420	2620	2150	2070	1480
18	1180	3700	5990	4900	2900	4640	844	6170	2830	2060	1870	1130
19	1320	3070	5660	5700	2550	3920	1110	5370	4130	2020	1880	1040
20	1410	2540	5520	5800	2370	3360	907	4940	4620	1940	1880	906
21	1460	2640	5350	4900	3180	3080	823	4590	4650	1880	1880	816
22	1470	4110	4870	4200	4380	2700	780	4170	3470	1870	1860	820
23	1560	4720	4450	4000	3970	2630	772	3790	3160	1850	1820	788
24	1610	3850	4260	3680	3010	2590	764	3710	3080	1840	1800	780
25	1650	3250	4020	7100	3000	2460	758	3750	2730	1860	1740	780
26	1720	2460	3930	8290	2930	2370	820	3780	2410	1930	1680	776
27	1680	2010	3910	8600	2930	2260	922	3770	2180	1960	1700	776
28	1540	1780	3840	8840	2930	2200	884	3750	2060	2200	1680	776
29	1460	2410	3830	8720	---	2130	797	3810	1980	2180	1630	760
30	1350	7340	3470	8270	---	2020	738	3800	1920	2140	1370	748
31	1310	---	3290	7640	---	1950	---	3900	---	2100	1340	---
TOTAL	42056	60904	164710	133420	100340	95680	36152	167190	89190	61370	58990	28525
MEAN	1357	2030	5313	4304	3584	3086	1205	5393	2973	1980	1903	951
MAX	2210	7340	8220	8840	7070	6030	2460	9410	5370	2200	2330	1480
MIN	783	549	3290	1220	2370	1950	738	1820	1750	1840	1340	748

CAL YR 1977 TOTAL 672432 MEAN 1842 MAX 8350 MIN 257 † +9.1
WTR YR 1978 TOTAL 1038527 MEAN 2845 MAX 9410 MIN 549 † -38.3

† Change in contents, equivalent in cubic feet per second, in Arkabutla Lake (see station 07278000).

YAZOO RIVER BASIN

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07280000 TALLAHATCHIE RIVER NEAR LAMBERT, MS--Continued

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	716	689	1100	7500	7500	8860	8050	6810	8450	3270	3400	1560
2	577	682	1050	8780	7040	8780	8780	6580	8210	3340	3470	2310
3	567	599	1440	8860	6660	8700	9680	6660	8050	3340	3540	2940
4	541	553	4560	9020	6350	9680	9940	8210	7970	3340	4180	3070
5	538	566	7890	8530	6110	10100	10100	9340	7820	3340	4180	3070
6	538	566	8450	7890	5800	10000	9860	9680	7660	3400	4320	3070
7	534	566	8520	8450	6500	9860	9340	9770	7500	3680	4180	3070
8	640	562	8850	8940	7120	9510	9020	9770	7190	3820	4040	3070
9	627	560	9340	8860	7120	9100	8700	9600	6890	5500	3610	3070
10	602	557	9500	8610	6890	8700	8450	9340	6270	6270	3540	3140
11	602	553	9330	8130	6580	8450	8130	9180	5880	5050	3540	3140
12	596	550	8970	7660	6270	8050	8780	9180	5500	5500	3610	3140
13	596	547	8790	6960	5960	7580	9600	9340	5050	6190	3610	3070
14	588	544	8200	6430	5660	7190	10000	9180	4830	4610	3470	1670
15	581	547	7910	5800	5350	6810	9860	8940	4530	2550	3400	1780
16	550	566	7410	5580	5050	6430	9940	8700	4320	810	3340	2030
17	414	1260	6880	5350	4900	6110	9180	8370	4040	624	3270	2680
18	450	1450	6110	6030	4830	5800	8780	7970	3270	1780	3200	2810
19	510	1660	5790	6190	4830	5500	8290	7350	2490	2620	3140	3000
20	620	1670	5120	8130	4750	5280	7820	6890	1780	3000	3070	3070
21	680	1550	5020	9860	5500	5130	7350	6350	1400	3340	3070	2190
22	680	1370	4960	9770	6430	5050	6960	5960	1560	3400	3000	1560
23	686	1290	4930	9770	6580	6350	7040	6110	1780	3340	2870	496
24	681	924	4820	9940	7190	7660	7820	6730	2250	3340	2010	223
25	681	912	4760	9940	8210	7780	7890	6960	3900	3340	1450	1150
26	677	828	4650	9680	8700	7740	7890	6960	2810	3540	1400	1560
27	677	810	4580	9420	8780	7580	7890	6890	2430	4040	1250	2310
28	674	1530	4450	9180	8860	7350	7820	7190	2370	4750	729	2680
29	672	1220	4380	8780	---	7040	7420	7970	2700	3340	656	2940
30	670	1160	4200	8450	---	6660	7120	8860	3070	3000	656	3070
31	642	---	4330	8050	---	6890	---	8860	---	3270	656	---
TOTAL	18823	26841	186290	254540	181510	235680	257500	204700	142010	111154	89857	73339
MEAN	607	865	6009	8211	6483	7603	8583	8055	4734	3586	2899	2445
MAX	716	1670	9500	9940	8860	10100	10100	9770	8450	6270	4320	3140
MIN	414	543	1650	5350	4750	5050	6960	5960	1400	624	656	223

CAL YR 1978 TOTAL 1002811 MEAN 2707 MAX 9500 MIN 414 + +148
 CAL YR 1979 TOTAL 1827244 MEAN 5006 MAX 10100 MIN 223 + +97.9

+ Change in contents, equivalent in cubic feet per second, in Arkabutla Lake (see station 07278000).

YAZOO RIVER BASIN

07280270 TILLATOBA CREEK BELOW OAKLAND, MS

LOCATION.--Lat 33°59'40", long 89°57'12", in NE¼ sec.35, T.25 N., R.3 E., Choctaw Meridian, Tallahatchie County, Hydrologic Unit 08030202, near right bank on upstream side of bridge on county road, 3.3 mi (5.3 km) west of Tillatoba, and 4.6 mi (7.4 km) southwest of Oakland.

DRAINAGE AREA.--37.1 mi² (96.1 km²).

WATER DISCHARGE RECORDS

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

GAGE.--Water-stage recorder and nonrecording gage read twice daily. Altitude of gage is 220 ft (67 m) from topographic map.

REMARKS.--Records fair.

AVERAGE DISCHARGE.--5 years, 60.9 ft³/s (1.725 m³/s), 22.29 in/yr (566 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 5,820 ft³/s (165 m³/s) Mar. 29, 1975, gage height, 17.72 ft (5.401 m); minimum daily, 0.08 ft³/s (0.002 m³/s) Sept. 24, 1977.

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

Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)	Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
Dec. 3	2130	2270 64.3	14.09 4.295	Apr. 2	0445	*4240 120	15.33 4.673
Jan. 1	0715	2710 76.7	14.93 4.551	Apr. 11	2215	3560 101	14.37 4.380
Jan. 7	0015	2240 63.4	14.02 4.273	May 4	0200	2590 73.3	12.17 3.709
Mar. 3	1115	4060 115	16.28 4.962				

Minimum daily discharge, 0.89 ft³/s (0.025 m³/s) Oct. 8.

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

PAY	OFF	FEV	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.0	1.4	6.2	1650	16	175	267	41	33
2	1.7	1.6	5.6	294	14	57	1900	296	25
3	1.4	1.3	4.4	129	24	1950	662	294	35
4	1.2	1.5	512	68	18	417	503	1680	23
5	1.3	1.5	48	51	14	212	282	338	18
6	1.1	1.8	22	432	278	137	216	183	16
7	.03	2.5	16	949	448	100	201	124	15
8	.49	2.5	465	182	84	80	770	95	13
9	.92	2.0	129	80	44	64	687	76	12
10	.45	2.0	29	48	32	136	258	61	11
11	1.3	2.0	18	37	27	80	654	50	9.8
12	1.0	2.1	14	30	25	62	1650	65	9.0
13	1.3	2.2	12	27	20	51	604	42	8.3
14	1.6	2.7	11	21	18	42	324	31	7.7
15	1.3	4.0	10	15	18	35	223	24	7.1
16	1.1	19	11	14	14	31	180	20	6.7
17	.91	11	9.6	20	14	27	155	18	6.3
18	.97	5.3	8.8	27	18	25	118	16	6.0
19	1.1	3.5	8.1	59	21	22	87	10	5.7
20	1.1	3.0	7.6	1090	20	21	76	12	5.3
21	1.1	2.6	18	411	335	50	67	11	5.6
22	1.1	3.1	11	115	60	170	72	10	6.3
23	1.1	4.5	10	278	183	725	475	35	6.0
24	1.3	3.5	9.3	185	383	129	187	16	32
25	1.2	3.0	8.7	56	447	71	115	12	15
26	1.4	6.8	8.2	51	94	52	80	10	7.0
27	1.5	26	7.7	63	56	41	61	15	6.0
28	1.5	8.3	7.4	32	274	34	50	172	5.7
29	1.4	8.2	7.1	23	---	29	45	478	6.9
30	1.3	7.5	45	19	---	25	43	97	12
31	1.6	---	689	16	---	371	---	60	---
TOTAL	38.57	207.6	2648.3	6476	2949	5421	11017	4396	373.4
MEAN	1.24	6.92	85.4	209	105	175	367	142	12.4
MAX	2.0	6.8	689	1650	448	1950	1900	1680	35
MIN	.49	1.3	5.6	14	14	21	43	10	5.3
CFSM	.03	.19	2.30	5.63	2.83	4.72	9.89	3.83	.33
IN	.04	.21	2.66	6.49	2.96	5.44	11.05	4.41	.37

CAL YR 1978	TOTAL	14657.65	MEAN 40.2	MAX 1220	MIN .71	CFSM 1.08	IN 14.70
WTR YR 1979	TOTAL	35234.57	MEAN 96.5	MAX 1950	MIN .89	CFSM 2.60	IN 35.33

07280270 TILLATOBA CREEK BELOW OAKLAND, MS--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1975, 1977 to current year.

REMARKS.--Sediment samples are collected by a local observer.

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SEDI- MENT, SUS- PENDED (MG/L)	SEDI- MENT DIS- CHARGE, SUS- PENDED (T/DAY)
OCT				
04...	1224	1.2	26	.08
11...	1545	1.6	14	.06
18...	2022	1.2	18	.06
25...	1735	1.2	16	.05
NOV				
01...	1230	3.4	28	.26
08...	1900	2.3	20	.12
15...	0823	3.2	23	.20
22...	1542	4.0	38	.41
30...	1540	5.9	44	.70
DEC				
06...	1345	23	138	8.6
27...	0928	7.7	84	1.7
JAN				
03...	1700	136	88	32
10...	2030	44	83	9.9
17...	1454	15	69	2.8
20...	1050	1350	1730	6310
20...	1551	821	1960	4350
24...	1505	129	379	132
31...	1425	18	48	2.3
FEB				
06...	1638	329	1350	1200
07...	1528	237	614	393
14...	1537	22	42	2.5
21...	1654	183	549	271
23...	0859	151	468	191
25...	0750	450	996	1210
28...	1300	46	111	1.4
MAR				
03...	1618	4090	1250	13800
03...	1700	3550	1200	11500
03...	1746	2890	1230	9600
07...	2004	118	205	65
10...	1440	42	54	6.1
21...	1635	50	49	6.6
23...	0400	242	2450	1600
23...	1037	662	1050	1880
28...	1439	34	84	7.7
APR				
02...	0728	3820	1900	19600
02...	0810	3570	1780	17200
02...	1150	2310	1310	8170
02...	1320	1770	1600	7650
02...	1410	1480	1850	7310
03...	0045	723	1460	2890
03...	0215	928	1400	3510
04...	1020	549	451	669
08...	0730	221	914	545
08...	0810	459	1730	2140
08...	0905	920	2840	7060
08...	0917	1090	2740	8060
08...	0929	1260	2850	9700
08...	1000	1540	3090	12800
08...	1035	1680	2630	11900
08...	1055	1740	2700	12700
08...	1215	1660	1930	8650
11...	1604	205	254	141
18...	1230	117	374	118
25...	1650	106	182	52
MAY				
02...	1651	264	1340	955
23...	1612	23	249	15
30...	1641	87	298	70
JUN				
20...	1730	5.3	190	2.7
27...	1745	6.1	285	4.7
JUL				
11...	1800	28	416	31
AUG				
22...	1749	3.5	78	.74
SEP				
05...	1624	4.1	47	.52
19...	2127	3.9	77	.81

07280340 SOUTH FORK TILLATOBA CREEK NEAR CHARLESTON, MS

LOCATION.--Lat 33°58'42", long 89°58'45", in NE¼ sec.4, T.24 N., R.3 E., Choctaw Meridian, Tallahatchie County, Hydrologic Unit 08030202, on left bank, 80 ft (24 m) downstream from left end of bridge on county road, 1.9 mi (3.1 km) south of intersection of county road and Mississippi Highway 32, 4.8 mi (7.7 km) west of Tillatoba and 4.8 mi (7.7 km) east-southeast of Charleston.

DRAINAGE AREA.--53.9 mi² (140 km²).

WATER-DISCHARGE RECORD

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

GAGE.--Water-stage recorder. Altitude of gage is 215 ft (65.5 m), from topographic map.

REMARKS.--Records poor.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 8,110 ft³/s (230 m³/s) Mar. 4, 1977, gage height 19.64 ft (5.986 m) (from floodmark). Minimum daily discharge, 2.0 ft³/s (0.057 m³/s), Sept. 5, 1977.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 1,200 ft³/s (34 m³/s) and maximum (*).

Date	Time	Discharge (ft ³ /s)	Discharge (m ³ /s)	Gage height (ft)	Gage height (m)	Date	Time	Discharge (ft ³ /s)	Discharge (m ³ /s)	Gage height (ft)	Gage height (m)
Dec. 3	--	2300	65.1	a10.80	3.292	Apr. 2	--	6040	171.0	b17.05	5.197
Jan. 1	--	Unknown		Unknown		Apr. 8	1315	1490	42.2	8.29	2.527
Jan. 20	--	3210	90.9	a12.60	3.840	Apr. 12	--	4340	123.0	b14.55	4.435
Feb. 7	0130	1500	42.5	8.31	2.533	May 4	--	3850	109.0	b13.74	4.188
Feb. 25	--	2160	61.2	a10.05	3.063	May 29	0015	1570	44.5	8.49	2.588
Mar. 3	--	*6360	180.0	b17.49	5.331	July 11	2345	1970	55.8	9.55	2.911
Mar. 23	--	2670	75.6	a11.40	3.475	July 21	0015	1570	44.5	8.49	2.588

a From reconstructed graph.

b From floodmark

Minimum daily discharge, 2.6 ft³/s (0.074 m³/s) Oct. 6-7.

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

MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.4	3.0	7.3	2250	22	321	406	13	31	6.7	11	5.2				
2	4.1	3.1	6.3	184	21	84	2600	289	30	6.4	9.9	126				
3	4.1	3.0	523	33	41	2410	391	342	71	6.1	8.1	138				
4	3.4	2.9	678	11	40	464	291	2540	28	6.0	7.1	18				
5	2.8	3.1	35	20	25	110	112	406	19	5.9	6.9	8.6				
6	2.6	3.6	17	249	318	64	65	162	17	26	6.1	7.3				
7	2.6	3.8	13	1610	747	63	50	126	17	43	6.6	6.4				
8	2.5	3.6	1165	520	108	57	659	78	13	28	6.6	6.0				
9	3.2	3.6	235	74	62	44	313	39	12	58	10	5.7				
10	3.0	3.6	51	62	49	156	117	25	13	18	9.0	5.4				
11	2.7	3.6	24	48	42	87	612	18	12	250	15	5.3				
12	2.7	3.8	15	51	34	48	2090	28	9.4	70	8.8	5.2				
13	2.6	3.8	12	46	32	40	405	18	8.4	70	7.0	5.2				
14	15	4.1	9.7	29	31	33	163	14	7.8	34	6.9	5.5				
15	3.0	9.3	12	21	27	29	102	12	7.5	35	4.5	5.7				
16	3.4	44	14	16	22	26	81	10	6.9	26	7.1	5.2				
17	3.2	22	15	18	19	24	63	8.8	6.8	23	6.2	5.1				
18	3.1	12	9.3	40	43	22	53	8.1	6.5	20	6.0	17				
19	3.0	6.6	8.0	76	28	21	47	7.8	6.4	16	5.8	9.3				
20	3.0	5.3	9.7	2040	30	20	62	8.7	6.4	87	5.9	195				
21	2.9	5.1	37	576	237	19	56	8.0	23	601	6.9	420				
22	2.9	5.1	17	110	86	115	48	13	13	54	13	37				
23	2.8	6.6	12	281	235	1450	404	54	8.5	27	6.6	17				
24	2.8	6.6	12	296	542	121	157	8.9	7.2	25	105	14				
25	2.8	5.1	11	70	867	66	67	9.2	9.6	56	132	8.8				
26	2.9	48	8.8	69	113	49	36	8.4	7.5	21	13	6.9				
27	3.4	54	8.8	137	59	39	27	9.3	6.8	28	11	6.0				
28	3.2	10	11	71	236	31	21	254	7.3	65	8.2	5.5				
29	3.0	9.0	12	42	---	26	17	545	7.2	125	7.3	5.2				
30	3.0	9.2	72	34	---	23	15	49	7.7	153	5.6	5.0				
31	2.9	---	708	30	---	48	---	64	---	20	5.3	---				
TOTAL	114.2	306.5	3068.9	9098	4137	6940	9530	5276.2	426.9	2664.1	472.4	1110.5				
MEAN	3.68	10.2	99.0	293	108	224	318	170	14.2	85.9	15.2	37.0				
MAX	15	54	708	2250	867	2870	2600	2540	71	724	132	420				
MIN	2.6	2.9	6.3	11	19	19	15	7.8	6.4	5.9	5.3	5.0				
CFSM	.07	.19	1.84	5.44	2.75	4.16	5.90	3.15	.26	1.59	.28	.69				
IN	.08	.21	2.12	6.28	2.86	4.79	6.58	3.64	.29	1.84	.33	.77				
CAL YR 1978	TOTAL	23430.5	MEAN	64.2	MAX	2940	MIN	2.3	CFSM	1.19	IN	16.17				
WTR YR 1979																

YAZOO RIVER BASIN

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07280340 SOUTH FORK TILLATOBA CREEK NEAR CHARLESTON, MS--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1977 to current year.

REMARKS.--Sediment samples are collected by a local observer.

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SEDI- MENT, SUS- PENDED (MG/L)	SEDI- MENT DIS- CHARGE, SUS- PENDED (T/DAY)
OCT				
04...	1209	3.2	163	1.4
11...	1600	2.4	135	.87
18...	2038	3.2	373	3.2
25...	1756	2.7	236	1.7
NOV				
01...	1300	4.5	227	2.8
08...	1930	29	52	4.1
15...	0805	65	292	51
22...	1455	81	102	22
30...	1550	8.0	46	.99
DEC				
06...	1400	10	82	2.2
27...	0908	83	67	15
JAN				
03...	1715	53	67	9.6
10...	2100	58	81	13
17...	1510	83	60	13
20...	1041	2630	2960	21000
20...	1525	2190	3650	21600
24...	1434	159	260	112
31...	1410	51	50	6.9
31...	1425	132	372	133
FEB				
06...	1653	374	1320	1330
07...	1513	390	1030	1090
14...	1519	21	57	3.2
21...	1635	194	620	325
25...	0734	1200	2140	6930
28...	1242	49	80	11
MAR				
03...	1638	6070	4300	70500
03...	1720	6290	2990	50800
07...	1945	71	99	19
10...	1424	24	68	4.4
21...	1619	3.8	38	.39
23...	1024	2130	2450	14100
28...	1500	22	62	3.7
APR				
02...	0750	3850	3420	35600
02...	1345	2400	2250	14600
03...	0010	450	946	1150
03...	0105	484	861	1130
04...	1650	468	728	920
08...	0745	241	648	422
08...	1011	742	3260	6530
11...	1551	105	102	29
18...	1702	86	77	18
25...	1242	93	105	26
MAY				
02...	1706	735	2940	5830
16...	1629	9.3	68	1.7
23...	1624	32	211	18
30...	1656	91	200	49
JUN				
13...	1724	7.3	70	1.4
20...	1744	5.3	61	.87
27...	1800	6.2	61	1.0
JUL				
11...	1800	90	156	38
SEP				
05...	1640	9.7	73	1.9
12...	0806	6.2	42	.70
19...	2111	6.2	59	.99
26...	2059	8.0	30	.65

07281000 TALLAHATCHIE RIVER AT SWAN LAKE, MS

LOCATION.--Lat 33°51'35", long 90°16'35", on line between secs.14 and 15, T.23 N., R.1 W., Choctaw Meridian, Tallahatchie County, Hydrologic Unit 08030202, on downstream side of left pier of highway bridge, 1.0 mi (1.6 km) southeast of Swan Lake, 3.0 mi (4.8 km) downstream from Cassidy Bayou, and 18.0 mi (29.0 km) downstream from point where Panola-Quitman floodway empties into Tallahatchie River.

DRAINAGE AREA.--5,130 mi² (13,290 km²), approximately.

PERIOD OF RECORD.--November 1929 to September 1938 (except low-water periods). October 1938 to current year. Monthly discharge only for some periods, published in WSP 1311. Gage-height records collected in same vicinity since November 1904 are contained in reports of National Weather Service.

REVISED RECORDS.--WSP 1711: 1932(M).

GAGE.--Water-stage recorder. Datum of gage is 113.38 ft (34.558 m) National Geodetic Vertical Datum of 1929. Prior to Oct. 11, 1934, nonrecording gage at datum 2.00 ft (0.610 m) higher; Oct. 11, 1934, to Sept. 18, 1944, nonrecording gage at present datum; and Sept. 19, 1944, to Dec. 31, 1958, water-stage recorder at present datum; all at site 1.3 mi (2.1 km) upstream. Oct. 4, 1944, to Dec. 31, 1958, auxiliary water-stage recorder at site 2.8 mi (4.5 km) downstream from former base gage at datum 0.95 ft (0.290 m) lower. Nov. 22, 1939, to Oct. 3, 1944, auxiliary nonrecording gage at site 3.8 mi (6.1 km) downstream from former base gage at same datum.

REMARKS.--Flow partly regulated by Sardis Lake on Little Tallahatchie River (see station 07272000), Enid Lake on Yocona River (see station 07274500), and Arkabutla Lake on Coldwater River (see station 07278000).

COOPERATION.--Results of 44 discharge measurements during 1978 water year and 44 discharge measurements during 1979 water year and records of daily discharge furnished by Corps of Engineers; records reviewed by Geological Survey.

AVERAGE DISCHARGE.--41 years (1938-79), 7,534 ft³/s (213.4 m³/s), 19.94 in/yr (506 mm/yr), unadjusted.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge observed, 49,200 ft³/s (1,390 m³/s) Apr. 9, 1933; maximum gage height, 37.0 ft (11.278 m) Jan. 15, 1932, present datum (affected by break in levee); minimum daily discharge determined, 213 ft³/s (6.03 m³/s) Oct. 27, 1942; minimum gage height, 1.38 ft (0.421 m) Oct. 26-28, 1942.

EXTREMES FOR WATER YEAR 1978.--Maximum daily discharge, 15,100 ft³/s (428 m³/s) Dec. 3; minimum daily, 2,890 ft³/s (81.8 m³/s) Apr. 25.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 18,200 ft³/s (515 m³/s) Apr. 15; minimum daily 4,120 ft³/s (117 m³/s) Oct. 12.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7820	6850	14000	5890	11500	8160	4800	6160	8200	7320	7380	6590
2	7460	6560	14000	9650	11300	8250	4780	4260	8600	7280	6960	6610
3	5680	6050	15100	9420	11100	8650	4770	8900	9490	7250	6400	6590
4	4750	6310	14000	9180	10700	8710	4760	9200	9150	7250	6100	6560
5	5550	6670	14000	8860	10400	8200	4750	9110	8200	7230	5970	6070
6	6000	6400	12800	8170	10000	7680	4730	8300	6910	7200	5900	6370
7	6910	6860	11400	7300	9460	7110	4720	4200	7150	7190	5840	6320
8	6990	6830	11600	6450	9000	6730	4710	12500	8740	7300	5810	6250
9	7590	6810	11300	7700	8760	6270	4700	13900	11400	7370	6280	6140
10	6880	6730	11200	8320	8520	5930	4690	14500	10900	7330	6100	6160
11	6150	6670	11200	8380	8310	5800	5470	14700	9000	7280	6110	6200
12	5550	6600	11100	7780	8130	5610	6100	14800	7710	7270	6240	6210
13	5530	6590	11200	7430	8050	5550	4760	14700	6580	7210	6240	6260
14	6160	6530	12400	6850	8080	6860	3920	14700	5600	7220	6120	6270
15	6400	6520	12700	6050	8000	6600	3400	14400	5510	7320	6000	6310
16	6520	6970	12900	5970	7950	8750	3100	13800	6570	7620	5840	6510
17	6540	8050	13100	8950	7830	8990	3050	13000	7000	7940	5820	6430
18	6600	7520	13200	10900	7720	8790	3170	12500	7720	8070	6190	6450
19	6820	6980	13100	11700	7540	8450	3720	11900	8050	8040	6490	6200
20	7030	7350	13000	11800	7340	8000	3330	11300	9020	7960	6590	5650
21	7120	8630	12900	10900	7180	7340	3100	10900	9120	7860	6640	5830
22	7190	9830	12700	10200	7120	6650	3010	10400	9000	7800	6590	5920
23	7340	9950	12400	10000	7420	6120	2960	9720	8800	7740	6540	5870
24	7360	9680	12100	10400	7630	5720	2960	8980	8770	7690	6510	5810
25	7480	9170	11700	13100	7750	5480	2890	8690	8800	7700	6420	5770
26	7590	8500	11500	13800	7810	5260	2920	8570	8600	7420	6510	5750
27	7530	7820	11200	14200	7830	5100	2960	8470	8320	7900	6630	5760
28	7310	7210	10900	14300	7930	4960	2960	8370	7980	8050	6700	5740
29	7150	8550	10600	13800	---	4880	2960	8350	7580	7900	6800	5560
30	6950	11900	10400	12500	---	4860	2960	8320	7400	7610	7250	5310
31	6760	---	10100	12000	---	4840	---	8250	---	7490	6750	---
TOTAL	209510	227610	381900	306450	240360	212360	117110	335930	246050	234190	197760	183870
MEAN	6758	7587	12320	9885	8584	6850	3904	10840	8202	7555	6379	6129
MAX	7820	11900	15100	14300	11500	8990	6100	14800	11400	8070	7380	6610
MIN	4750	6310	10100	5970	7120	4840	2890	6160	5510	7190	5810	5310

CAL YR 1977 TOTAL 1943982 MEAN 5326 MAX 15100 MIN 965 † +528
WTR YR 1978 TOTAL 2843100 MEAN 7926 MAX 15100 MIN 2890 † -80.0

† Change in contents, equivalent in cubic feet per second, in Sardis, Enid, and Arkabutla Lakes (see stations 07272000, 07274500, and 07278000).

YAZOO RIVER BASIN

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07281000 TALLAHATCHIE RIVER AT SWAN LAKE, MS--Continued

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5130	4780	5020	4810	13700	14300	13900	14400	15600	9490	10500	8050
2	5010	4720	4800	12300	13500	14200	14900	14200	15600	9680	10400	8290
3	4890	4630	5150	13500	13200	14200	16100	14300	15900	9690	10500	8690
4	4790	4740	4290	14000	12800	15400	17000	14600	15900	9760	10400	9010
5	4750	4860	9950	14000	12700	16300	17400	15700	15900	9830	10500	9180
6	4700	4960	10100	13700	12400	16400	17500	16500	15800	9860	10600	9290
7	4680	4880	10000	14800	13000	16700	17200	16900	15600	10100	10700	9490
8	4600	4920	10400	15000	13400	16300	16900	16800	15300	10200	10800	9550
9	4220	4880	11700	15700	13600	16000	16900	16500	15100	10400	10700	9590
10	4150	4850	12400	15600	13600	15800	16700	16200	14800	11100	10700	9710
11	4130	4820	12500	15300	13300	15500	16300	15900	14500	11400	10600	9770
12	4120	4810	12200	14900	13000	15000	16900	15700	14100	12000	10600	9830
13	4210	4800	11900	14400	12700	14600	17600	15700	13600	12600	10700	9910
14	4230	4750	11500	13700	12500	14700	18100	15700	13200	12500	10600	9390
15	4190	4810	11100	13200	12100	14300	18200	15700	12800	11400	10400	8980
16	4200	4800	10600	12300	11800	14000	18000	15500	12300	9930	10400	8860
17	4570	4580	10100	11900	11400	13600	17700	15500	11800	8390	10400	9080
18	4690	4370	9650	11600	11100	13100	17200	15400	11500	8670	10200	9250
19	4790	5240	8940	11500	10900	12900	16900	15200	10900	9010	10200	9380
20	4920	5550	8250	12500	10700	12400	16300	15000	9780	9290	10100	9530
21	5010	5600	7600	13600	10800	12100	15900	14800	8590	9570	9980	9640
22	5030	5510	7230	15000	11300	12000	15500	14500	8560	9780	9950	8330
23	4960	5370	6800	15600	11700	12300	15300	14400	7830	9660	9990	6180
24	4990	5330	6400	16200	12200	13000	15400	14200	7780	9910	9930	4740
25	4970	5340	6100	16100	13000	13500	15500	14000	8770	9930	9680	5440
26	4940	5370	5860	16000	13600	13800	15300	13900	9080	10100	9400	7050
27	4940	5680	5700	15800	14000	13800	15100	13600	9190	10700	9210	7740
28	4920	5500	5650	15600	14100	13600	15000	13700	9220	11200	8410	8520
29	4870	4870	5600	15300	---	13500	14800	14600	9260	11000	8410	8670
30	4830	5130	6120	14900	---	13300	14700	15100	9020	10600	8160	8910
31	4820	---	8180	14500	---	13300	---	15000	---	10560	8010	---
TOTAL	145250	150680	265790	438710	352100	439960	490100	469600	367880	510450	311630	260950
MEAN	4685	5023	8576	14150	12580	14190	16300	15150	12260	16270	10050	8068
MAX	5130	5680	12500	16200	14100	16700	18200	16900	15900	12600	10800	9910
MIN	4120	4370	4800	9810	10700	12000	13900	13600	7780	8390	8010	4740

CHG YR 1978 TOTAL 264590 FAN 7221 MAX 14800 MIN 2890 + -214
 YR 1979 TOTAL 400970 FAN 10990 MAX 18200 MIN 4120 + +1048

+ Change in contents, equivalent in cubic feet per second, in Sardis, Enid, and Arkabutla Lakes (see stations 07272000, 07274500, and 07278000).

07282000 YALOBUSHA RIVER AT CALHOUN CITY, MS

LOCATION.--Lat 33°50'20", long 89°18'55", in SE¼SE¼ sec.23, T.23 N., R.9 E., Choctaw Meridian, Calhoun County, Hydrologic Unit 08030205, on left bank of Yalobusha River Canal at downstream side of bridge on State Highway 9, 0.8 mi (1.3 km) upstream from Topashaw Creek, 1.2 mi (1.9 km) south of Calhoun City, 1.5 mi (2.4 km) upstream from old channel, and 4.8 mi (7.7 km) upstream from Topashaw Creek Canal. Records include flow in Topashaw Creek Canal and all supplemental channels.

DRAINAGE AREA.--305 mi² (790 km²), combined drainage area of all channels.

PERIOD OF RECORD.--October 1950 to current year.

REVISED RECORDS.--WRD Miss. 1970. 1969(M). WDR MS-78-1: 1977(P).

GAGE.--Water-stage recorder, and nonrecording gage read once daily. Datum of gage is 226.06 ft (68.903 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to Jan. 1, 1972, datum of gage was 10.00 ft (3.048 m) higher. Prior to Nov. 15, 1950, nonrecording gage at site 75 ft (23 m) downstream at same datum. Water-stage recorder and nonrecording gage read once daily on Topashaw Creek Canal, 2.5 mi (4.0 km) southwest of base gage. Prior to Aug. 16, 1963, nonrecording gage and crest-stage gage on Topashaw Creek Canal.

REMARKS.--Records fair. Doubtful gage-height record July to Aug. 31 on Yalobusha River Canal. Discharge computed by combining the flow of individually rated Yalobusha River and Topashaw Creek Canal. Channel rectification of both Yalobusha River and Topashaw Creek was completed in 1967.

AVERAGE DISCHARGE.--29 years, 400 ft³/s (11.33 m³/s), 17.81 in/yr (452 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 52,100 ft³/s (1,480 m³/s) Mar. 16, 1973; maximum gage height at river gage, 25.22 ft (7.687 m) Mar. 29, 1951 (present datum); no flow at times.

EXTREMES FOR CURRENT YEAR.--Peak discharge above base of 11,000 ft³/s (312 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)	Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
Jan. 1	0900	12800 362	21.07 6.422	May 30	2145	11800 334	18.47 5.630
Jan. 20	1400	*36600 1040	23.18 7.065	July 12	0100	27000 765	21.55 6.568
Apr. 12	2330	11400 323	20.05 6.111	Sept. 13	1900	20000 566	21.93 6.684
May 4	1400	12200 346	21.13 6.440	Sept. 21	0100	13200 374	20.05 6.111

Minimum daily discharge, 2.1 ft³/s (.059 m³/s) Nov. 5.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.2	2.1	23	7180	133	502	102	61	1130	12	81	58
2	5.1	2.1	18	1970	118	328	1750	162	769	9.0	71	507
3	5.1	2.1	60	731	158	4910	1560	1420	1940	8.0	66	141
4	4.4	2.1	72F	280	147	3100	1860	9100	650	7.5	58	82
5	3.8	2.1	105	182	115	1080	847	3990	405	7.0	142	49
6	3.5	2.1	65	458	346	460	371	1290	460	6.5	83	37
7	3.2	2.5	49	5170	2440	295	243	528	825	72	62	32
8	2.8	2.8	668	1900	922	235	935	279	324	996	53	26
9	2.5	3.0	916	810	448	199	1630	186	357	4050	434	24
10	2.5	2.9	194	307	244	291	720	160	554	674	138	21
11	2.5	2.6	86	150	188	392	393	143	218	2100	83	19
12	2.5	2.5	57	121	162	264	5590	454	116	11300	139	17
13	2.8	2.7	42	132	147	206	5490	292	69	2900	80	6870
14	3.3	2.7	33	115	137	182	1600	194	51	1950	54	5880
15	4.0	2.9	26	85	126	155	637	155	36	993	48	953
16	2.7	8.2	24	72	113	137	307	125	29	591	41	193
17	2.5	28	22	61	101	126	208	106	25	340	34	126
18	2.5	25	19	188	1090	116	178	88	21	214	30	229
19	2.3	14	17	267	668	111	161	69	19	145	27	158
20	2.5	10	19	21500	434	105	142	59	18	120	26	1250
21	2.4	8.8	77	12100	758	135	129	51	17	790	60	6880
22	2.4	8.0	70	2420	592	123	118	45	35	320	363	1280
23	2.4	8.8	50	1160	662	1020	177	41	179	175	170	388
24	2.4	8.0	39	1680	2380	610	161	44	323	95	138	165
25	2.4	9.6	31	706	3570	287	319	40	65	61	230	90
26	2.3	33	24	448	1100	193	318	38	36	53	138	59
27	2.3	106	21	626	507	150	166	35	23	660	73	51
28	2.1	42	17	439	332	129	117	115	17	330	136	44
29	2.1	29	16	283	---	119	89	2230	25	184	115	41
30	2.1	28	60	167	---	108	72	3990	16	124	64	40
31	2.1	---	974	155	---	101	---	4240	---	97	45	---
TOTAL	89.6	403.6	4548	61863	18138	16209	26330	30230	8752	29384.0	3282	25710
MEAN	2.89	13.5	147	1996	648	523	878	975	292	948	106	857
MAX	5.2	106	974	21500	3570	4910	5590	9100	1940	11300	434	6880
MIN	2.1	2.1	16	61	101	101	72	35	16	6.5	26	17
CFSM	.009	.04	.48	6.54	2.13	1.72	2.88	3.20	.96	3.11	.35	2.81
IN.	.01	.05	.55	7.55	2.21	1.98	3.21	3.69	1.07	3.58	.40	3.14
CAL YR 1978 TOTAL	107303.5		MEAN 294	MAX 14200	MIN 1.7	CFSM .96	IN 13.09					
WTR YR 1979 TOTAL	224939.2		MEAN 616	MAX 21500	MIN 2.1	CFSM 2.02	IN 27.44					

07283000 SKUNA RIVER AT BRUCE, MS

LOCATION.--Lat 33°58'25", long 89°20'50", in SW¼SW¼ sec.6, T.13 S., R.1 W., Chickasaw Meridian, Calhoun County, Hydrologic Unit 08030205, near right bank on downstream side of bridge on State Highway 9, 1 mi (1.6 km) south of Bruce.

DRAINAGE AREA.--254 mi² (658 km²).

PERIOD OF RECORD.--October 1947 to current year. Prior to March 1948 monthly discharge only, published in WSP 1311.

REVISED RECORDS.--WSP 1920: 1958(P), 1959-60(M).

GAGE.--Water-stage recorder. Datum of gage is 228.75 ft (69.723 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to Jan. 1, 1972, at datum 10.00 ft (3.048 m) higher. October 1947 to Aug. 30, 1948, nonrecording gage; Aug. 31, 1948, to Mar. 23, 1955, water-stage recorder; and Mar. 24, 1955, to Sept. 12, 1958, nonrecording gage at same site.

REMARKS.--Records poor.

AVERAGE DISCHARGE.--32 years, 365 ft³/s (10.34 m³/s), 19.51 in/yr (496 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 61,400 ft³/s (1,740 m³/s) Mar. 21, 1955, gage height, 34.11 ft (10.397 m, present datum), from rating curve extended above 19,000 ft³/s (538 m³/s) on basis of incomplete current-meter measurement and computation of flow over the road and through bridge openings; minimum, 0.9 ft³/s (0.025 m³/s) Aug. 18, 1954.

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

Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)	Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
Jan. 1	Unknown	Unknown	Unknown	Apr. 12	0500	*31100 881	29.19 8.897
Jan. 7	Unknown	Unknown	Unknown	May 4	1015	14200 402	22.18 6.760
Jan. 20	1300	23600 668	26.45 8.062	July 12	0345	11300 320	20.56 6.267
Feb. 15	2100	5090 144	15.86 4.834	Sept. 14	Unknown	Unknown	Unknown
Mar. 4	--	10800 306	20.20 6.157	Sept. 21	Unknown	Unknown	Unknown

a From floodmark.

Minimum daily discharge, 5.3 ft³/s (0.15 m³/s) Oct. 9.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.8	8.1	26	11000	279	350	158	53	299	15	45	86
2	7.0	8.4	23	1100	272	240	3010	215	159	14	41	981
3	7.0	7.4	194	223	386	600	1230	889	261	14	34	213
4	6.5	7.3	408	142	432	5000	1090	2600	133	13	30	110
5	6.2	7.5	78	112	313	2000	371	1400	74	12	33	56
6	6.2	11	39	374	1000	700	190	444	72	13	36	34
7	5.8	10	33	4340	2850	206	135	270	334	51	27	25
8	5.5	8.9	692	541	660	158	401	180	93	266	28	22
9	5.3	8.4	416	180	453	129	1490	123	50	1010	64	20
10	5.3	7.8	150	123	208	169	303	100	60	80	36	18
11	5.8	8.1	73	101	140	236	534	80	46	311	142	15
12	6.0	8.9	52	90	110	151	25400	410	38	5410	105	14
13	11	8.4	45	95	95	126	4780	250	33	405	42	300
14	7.8	8.9	37	49	85	107	618	101	28	127	30	4500
15	8.8	28	33	69	1700	80	369	60	24	117	26	1000
16	6.5	77	43	68	1300	81	274	50	22	100	24	300
17	5.3	47	45	72	800	80	229	42	20	67	23	200
18	5.3	24	38	265	300	75	190	38	18	43	22	100
19	6.5	15	37	328	160	73	170	36	16	36	22	150
20	6.8	13	87	18000	100	70	150	33	14	69	21	500
21	6.4	12	174	6620	140	70	140	31	13	62	21	4000
22	6.6	42	103	827	100	81	130	30	15	41	53	1200
23	6.6	26	56	477	112	1380	200	40	19	33	141	500
24	6.1	18	40	740	200	457	120	53	88	36	64	200
25	7.2	15	31	666	2000	158	94	34	30	40	101	60
26	6.1	254	33	546	500	146	200	28	18	45	173	60
27	6.6	60	30	641	250	105	100	30	15	42	63	40
28	6.4	30	22	540	160	77	100	148	13	54	45	42
29	6.1	261	26	414	---	66	78	846	14	1180	76	30
30	7.3	46	112	352	---	56	62	1060	14	165	43	35
31	6.1	---	1400	316	---	60	---	2050	---	67	34	---
TOTAL	224.1	1023.5	5686	49996	15105	14321	42356	18110	2033	9988	1645	14907
MEAN	7.23	36.1	183	1613	534	450	1412	584	67.8	322	53.1	497
MAX	11	261	1490	18000	2800	5000	25400	8600	334	5410	173	4500
MIN	5.2	7.3	23	68	85	50	62	28	13	12	21	14
CFSD	1.04	1.10	2.22	6.35	2.12	1.29	5.56	2.30	.27	1.27	.21	1.46
15	1.04	1.16	2.3	7.32	2.21	1.45	6.20	2.65	.30	1.46	.24	2.10
DAY	1978	TOTAL	38890.1	38882.4	548	12200	518	106	13.62			
1979	TOTAL	17054.5	38882.4	548	25400	518	106	13.62				

YAZOO RIVER BASIN

07284500 GRENADA LAKE NEAR GRENADA, MS

LOCATION.--Lat 33°48'31", long 89°46'14", in NE¼NE¼ sec.4, T.22 N., R.5 E., Choctaw Meridian, Grenada County, Hydrologic Unit 08030205, at gatehouse of dam on Yalobusha River, 2.2 mi (3.5 km) upstream from Batupan Creek, 3.0 mi (5.0 km) northeast of Grenada, and 63.6 mi (102 km) upstream from mouth of Yalobusha River.

DRAINAGE AREA.--1,320 mi² (3,420 km²), approximately.

PERIOD OF RECORD.--July 1953 to current year. Prior to October 1970, published as Grenada Reservoir near Grenada.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to Dec. 19, 1953, nonrecording gage at same site. Prior to Oct. 1, 1958, at datum 160.00 ft (48.768 m) NGVD.

REMARKS.--Reservoir is formed by a rolled-fill earth dam with concrete spillway and outlet tunnel. Storage began June 30, 1953. Capacity, 1,337,400 acre-ft (1,650 hm³) at elevation 231.0 ft (70.41 m), crest of spillway, of which about 1,251,700 acre-ft (1,540 hm³) is available for flood-control storage and about 85,700 acre-ft (106 hm³) of storage is maintained in conservation pool for incidental recreational purposes at elevation 193.0 ft (58.83 m), 24 ft (7.3 m) above sill of outlet gates. Water below 169.0 ft (51.51 m) cannot be withdrawn through outlet tunnel. Figures given herein represent total contents.

COOPERATION.--Records furnished by Corps of Engineers and reviewed by Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 1,575,600 acre-ft (1,940 hm³) Apr. 28, 1973, elevation, 234.48 ft (71.470 m); minimum since initial filling of reservoir to conservation level, 69,900 acre-ft (82.5 hm³) Dec. 4, 1962, elevation, 190.95 ft (58.202 m).

EXTREMES FOR CURRENT YEAR.--Maximum contents, 1,147,700 acre-ft (1,420 hm³) May 8, elevation 227.91 ft (69.467 m); minimum, 81,700 acre-ft (101 hm³) Dec. 3, elevation, 192.58 ft (58.698 m).

Capacity table (elevation, in feet, and contents, in thousands of acre-feet)

190	59.0	215	549.3
195	106.5	220	747.3
200	171.8	225	986.6
205	264.3	230	1,273.8
210	389.1		

RESERVOIR STORAGE (AC-FT), AVERAGE CONTENTS 1978 TO SEPTEMBER 1979
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	358400	253200	88500	134600	629500	682000	714000	1015400	1119500	685500	949900	716100			
2	353700	228300	85600	627400	684100	717400	1011600	1119500	476700	943700	706900				
3	348400	223400	82700	233200	626800	691500	742100	1015000	1121800	768400	936000	706900			
4	351800	218700	89400	246300	625600	732300	750800	1022900	1122900	959100	928500	709000			
5	375500	210100	93600	253600	620000	757000	760500	1112000	1110000	950900	920500	703000			
6	372500	204500	96000	257500	620000	764000	768000	1135000	1117000	943200	913500	690700			
7	365300	204500	96000	254200	635000	764500	762100	1143000	1114300	936000	905600	686900			
8	359400	201200	96400	254000	650000	762700	761400	1147700	1111500	931000	897200	678700			
9	354800	197100	99200	323000	656000	760900	774200	1147700	1106900	937600	889300	669300			
10	353300	192800	109500	333700	658000	758300	788400	1106500	1100600	940600	882000	660000			
11	344500	188600	110100	339100	658000	756100	787600	1100800	1097800	943700	875700	652000			
12	339000	184800	114100	341200	656800	753900	809500	1103000	1089500	974000	869500	642900			
13	334200	180900	114100	342000	655600	750400	806700	1104200	1083200	1071500	861400	629900			
14	340100	176700	114200	342000	654800	706900	1002600	1102500	1077600	1029800	853000	656000			
15	325000	172000	110200	343000	652000	700700	1019600	1100200	1070400	1036300	845700	673800			
16	320100	169300	110200	334000	650800	740000	1026100	1137800	1063200	1039600	837600	677100			
17	315400	165000	114000	334000	646900	736100	1028800	1133200	1056100	1000700	828800	673000			
18	310200	161100	114700	336000	643300	731400	1029800	1128700	1048900	1030100	820000	666900			
19	303000	156200	114400	330900	642100	727200	1030400	1123500	1046900	1026100	810800	661200			
20	297100	151600	110200	355900	639800	722500	1029800	1119500	1047800	1023400	802100	660400			
21	291500	146700	113900	466400	639400	719100	1027700	1115500	1047300	1019600	793400	677500			
22	285500	142100	114200	551100	639000	716100	1028000	1112600	1048400	1014800	786700	702600			
23	279800	135900	114300	580000	639400	725000	1032500	1110300	1047500	1007900	779100	714900			
24	274300	129500	114200	590100	642500	731000	1033100	1106300	1040700	999900	772900	716100			
25	268400	123800	114200	604900	652000	732300	1033100	1102900	1037900	993000	767600	710200			
26	263200	117300	114200	612500	671400	731400	1034100	1094900	1029800	984500	761800	703000			
27	258600	113200	114200	615900	677900	727600	1032000	1088800	1020200	977200	754800	696000			
28	253100	108800	114100	621700	679100	724600	1028800	1083200	1011600	967900	746900	690200			
29	247700	100800	114100	626000	---	720800	1024500	1091600	1002600	963800	739100	680400			
30	243000	94600	114100	628300	---	717000	1019600	1097800	994600	961700	731400	671800			
31	238200	---	116700	628300	---	715300	---	1109800	---	959100	719900	---			
MAX	398600	233200	116700	628300	679100	764500	1034100	1147700	1122900	1000700	949900	716100			
MIN	238200	94600	82600	134000	620000	682000	714400	1010600	994600	930000	719900	642900			
†	203.56	193.48	196.95	217.13	218.40	219.24	225.56	227.39	225.04	224.36	219.33	218.07			
‡	-165700	-144100	+38900	+499700	+50900	+34900	+301500	+101400	-129100	-35200	-234800	-52200			

CAI YR 1978 MAX 860000 MIN 82600 ‡ -226500
YR YR 1979 MAX 1147700 MIN 82600 ‡ +266200

† Elevation, in feet, at 2400, on last day of month.

‡ Change in contents, in acre-feet.

07285000 YALOBUSHA RIVER AT GRENADA DAM, NEAR GRENADA, MS

LOCATION.--Lat 33°48'31", long 89°46'14", in NE¼NE¼ sec.4, T.22 N., R.5 E., Choctaw Meridian, Grenada County, Hydrologic Unit 08030205, in gatehouse of Grenada Dam, 2.2 mi (3.5 km) upstream from Batupan Creek, 3 mi (5 km) northeast of Grenada, and 63.6 mi (102.3 km) upstream from mouth.

DRAINAGE AREA.--1,320 mi² (3,420 km²), approximately.

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

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to Dec. 19, 1953, nonrecording gage at same site. Prior to Oct. 1, 1958, at datum 160.00 ft (48.768 m) NGVD.

REMARKS.--Flow completely regulated by Grenada Lake (see station 07284500).

COOPERATION.--Records furnished by Corps of Engineers and reviewed by Geological Survey.

AVERAGE DISCHARGE.--26 years, 1,868 ft³/s (52.90 m³/s), 19.22 in/yr (488 mm/yr), unadjusted.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 6,510 ft³/s (184 m³/s) Feb. 12, 1974; no flow at times prior to Jan. 1, 1959.

EXTREMES FOR WATER YEAR 1978.--Maximum daily discharge, 3,680 ft³/s (104 m³/s) Aug. 2; minimum daily 5 ft³/s (0.14 m³/s) at times.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 4,050 ft³/s (115 m³/s) June 26, Sept. 5, 6, 25-29; minimum daily 5 ft³/s (0.14 m³/s) at times.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1000	3540	5.0	3110	2540	2140	762	255	2130	2440	2500	2220
2	1000	3570	5.0	3060	2540	1420	762	5.0	5.0	2440	3680	2220
3	1830	3510	5.0	3280	2540	999	761	5.0	400	2430	3670	2210
4	2830	3450	5.0	3600	2530	1000	761	5.0	683	2430	3660	2210
5	3070	3400	583	3540	2530	1010	761	5.0	802	2430	3650	2200
6	2970	3460	688	3480	2520	1010	760	5.0	1000	2420	3640	2200
7	3020	3510	1180	3420	2520	1010	760	5.0	1000	2520	3620	2190
8	1560	3440	1810	2830	2510	1010	760	5.0	518	2570	3620	2190
9	5.0	3480	2740	2540	2500	1010	759	5.0	231	2560	3600	2180
10	5.0	3560	3120	2580	2500	1010	759	5.0	337	2560	3600	2180
11	1050	3480	3110	2580	2500	1020	760	5.0	455	2560	3580	2170
12	2740	3480	3090	2570	2490	1020	761	5.0	1110	2550	3580	2170
13	3200	3460	3080	2550	2480	1020	761	5.0	1940	2550	3560	1900
14	3150	3360	3080	2530	2480	1030	761	5.0	2800	2540	3550	2160
15	3090	3260	3080	2510	2480	1040	760	5.0	3090	2540	3540	2160
16	3040	3200	3080	2500	2470	1050	760	5.0	3080	1690	3540	2160
17	3280	3210	3070	2580	2460	1050	760	5.0	3080	5.0	1450	2160
18	3580	3220	3070	2700	2460	1050	759	214	3070	5.0	1100	2150
19	3520	3180	3070	2750	2450	1050	759	507	2880	5.0	1100	2140
20	3450	3130	3060	2760	2440	1050	759	507	2480	5.0	1100	2140
21	3390	704	3050	2760	2430	1050	758	507	2480	5.0	1100	2140
22	3320	5.0	3040	2740	2430	900	758	508	2480	5.0	1100	2130
23	3260	640	3030	2730	2420	763	758	508	2470	5.0	1100	2130
24	2820	758	3020	2740	2410	763	757	508	2470	5.0	1090	2120
25	5.0	5.0	3010	1150	2400	763	757	508	2470	5.0	1090	2110
26	601	5.0	2990	5.0	2400	763	756	757	2460	5.0	1090	2110
27	2680	5.0	2970	5.0	2390	763	756	1360	2460	5.0	1090	2100
28	3600	5.0	2950	5.0	2390	763	755	1360	2450	5.0	1390	2100
29	3580	5.0	2920	5.0	---	763	755	1360	2450	5.0	2240	2090
30	3500	5.0	3070	789	---	762	755	2280	2450	5.0	2230	2090
31	3430	---	3150	2180	---	762	---	3050	---	894	2230	---
TOTAL	77656.0	70077.0	74131.0	72579.0	69210	30810	22770	14269.0	55731.0	40198.0	76950	64430
MEAN	2505	2336	2341	2341	2472	994	759	460	1858	1297	2482	2148
MAX	4600	3570	3150	3600	2500	2140	762	3050	3096	2570	3680	2220
MIN	5.0	5.0	5.0	5.0	2390	762	755	5.0	5.0	5.0	1090	1900
Δ	-1722	+1771	-82.9	+1342	-1736	+2261	-341	+5404	-271	-1376	-2737	-2079

CAUSE 1977 TOTAL 538037.0 EFAN 1474 MAX 3640 MIN 5.0 Δ +316
CAUSE 1978 TOTAL 669811.0 EFAN 1832 MAX 3680 MIN 5.0 Δ +53.6

* Change in contents, equivalent in cubic feet per second, in Grenada Lake (see station 07284500).

YAZOO RIVER BASIN

07285000 YALOBUSHA RIVER AT GRENADA DAM, NEAR GRENADA, MS--Continued

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2080	2290	2520	50	1200	2500	2550	2700	3150	4000	3950	3800
2	2420	2330	1470	5.0	1100	2500	2550	3050	3150	3950	3950	3200
3	3070	2280	1160	5.0	1600	2550	2550	3100	3150	3950	3950	300
4	3020	2230	5.0	5.0	1600	2550	2550	1250	3150	3950	3950	1900
5	2590	2180	5.0	100	1600	2550	2550	5.0	3150	3950	3950	4050
6	2180	2130	49	250	1600	2550	2550	5.0	3150	3950	3950	4050
7	2440	2090	157	5.0	1600	2550	2550	5.0	3150	3950	3950	4000
8	2040	2040	157	5.0	1600	2550	2550	150	3150	3950	3900	4000
9	2420	1990	164	5.0	1600	2550	2600	900	3100	3950	3900	4000
10	2410	1940	174	350	1600	2550	2600	1450	3100	2650	3900	4000
11	2400	1900	176	550	1600	2550	2200	1450	3100	5.0	3900	3950
12	2390	1860	176	550	1600	2550	5.0	1450	3100	5.0	3900	2700
13	2380	1930	176	550	1600	2550	5.0	1450	3100	5.0	3650	1950
14	2360	2180	176	550	1600	2550	5.0	1450	3100	5.0	3400	4000
15	2350	2130	176	1350	1600	2550	5.0	1650	3100	5.0	4000	4000
16	2340	2090	176	2950	2100	2550	200	2050	3100	650	4000	4000
17	2560	2370	176	2950	3050	2550	350	2050	3100	3250	4000	4000
18	3000	2560	176	2200	3050	2550	350	2050	1850	3900	3950	4000
19	2940	2470	176	850	3050	2550	600	2050	150	3400	3950	2700
20	2480	2430	176	5.0	3050	2550	1050	2050	150	1850	3950	5.0
21	2430	2360	176	5.0	3050	2550	1050	2050	150	4000	3950	50
22	2770	2970	176	5.0	2450	2550	1050	2050	150	4000	3950	150
23	2720	3300	176	5.0	2500	2550	1050	2050	2100	4000	3950	1550
24	2660	3240	176	5.0	2500	2550	1050	2000	3100	4000	3950	3400
25	2600	3130	176	5.0	2500	2550	1050	2600	3700	4000	3900	4050
26	2550	3040	176	5.0	2500	2550	1600	3100	4050	4000	3900	4050
27	2500	3140	176	5.0	2500	2550	2450	3100	4600	4000	3900	4050
28	2450	3350	176	5.0	2500	2550	2450	3100	4000	3950	3900	4050
29	2400	3230	176	200	---	2550	2450	3100	4000	3950	3900	4050
30	2400	3120	176	500	---	2550	2450	3150	4000	3950	3850	4000
31	2290	---	181	650	---	2550	---	3150	---	3950	3800	---
TOTAL	18770	70300	95620	146750	58300	72950	47020	547650	84500	951250	121000	940050
AVG	2441	2474	308	473	2092	2547	1567	1928	2417	3064	3903	3134
MAX	3070	3350	2520	2950	3050	2550	2600	3150	4050	4000	4000	4050
MIN	2080	1860	5.0	5.0	1100	2500	5.0	5.0	150	5.0	3400	5.0
±	-2695	-2422	+633	+8127	+917	+568	+5067	+1649	-2170	-572	-3819	-877

CAL YR 1978 TOTAL 60914.0 -FPA 1670 MAX 3680 MIN 5.0 ± -313

CAL YR 1979 TOTAL 916012.0 -FPA 2236 MAX 4050 MIN 5.0 ± +368

+ Change in contents, equivalent in cubic feet per second, in Grenada Lake (see station 07284500).

07287000 YAZOO RIVER AT GREENWOOD, MS

LOCATION.--Lat 33°31'17", long 90°11'03", in NE¼SW¼ sec.10, T.19 N., R.1 E., Choctaw Meridian, Leflore County, Hydrologic Unit 08030206, on left bank 110 ft (33.5 m) downstream from bridge on U.S. Highways 49E and 82 (old) in Greenwood, 0.4 mi (0.6 km) downstream from Palusha Bayou, 3 mi (5 km) downstream from confluence of Tallahatchie and Yalobusha Rivers, and at mi 170.8 (274.8 km).

DRAINAGE AREA.--7,450 mi² (19,300 km²), approximately.

PERIOD OF RECORD.--October 1907 to December 1912, April to June 1913, and October 1927 to current year. Monthly discharge only for some periods, published in WSP 1311. January 1909 to December 1927 (discharge measurements only), January 1928 to 1964 in reports of Mississippi River Commission, and since January 1947 in reports of Corps of Engineers. Gage-height records collected at same site since 1904 are contained in reports of National Weather Service.

GAGE.--Water-stage recorder, and nonrecording gage read twice daily. Datum of gage is 92.07 ft (28.063 m) National Geodetic Vertical Datum of 1929. Prior to Oct. 1, 1940, nonrecording gages on highway bridges 110 ft (33.5 m) upstream at various datums.

REMARKS.--Flow partly regulated since Aug. 26, 1939, by Sardis Lake on Tallahatchie River (see station 07272000), Enid Lake on Yocona River (see station 07274500), Arkabutla Lake on Coldwater River (see station 07278000), and Grenada Lake on Yalobusha River (see station 07284500). Discharge computed by combining flows of Yazoo River and Fort Pemberton cutoff since Mar. 16, 1973.

COOPERATION.--Results of 95 discharge measurements during 1978 water year and 99 discharge measurements during 1979 water year and records of daily discharge furnished by Corps of Engineers. Records reviewed by Geological Survey.

AVERAGE DISCHARGE.--57 years (1907-12, 1927-79), 10,315 ft³/s (292.1 m³/s), 18.80 in/yr (478 mm/yr), unadjusted.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 72,900 ft³/s (2,060 m³/s) Jan. 19, 1932, gage height, 40.10 ft (12.222 m); minimum, 536 ft³/s (15.2 m³/s) Oct. 20, 1943; minimum gage height observed, 1.0 ft (0.305 m) Oct. 17, 1908, present datum.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in 1882 reached a stage of 41.2 ft (12.56 m), caused by overflow from Mississippi River (discharge not determined), from reports of Mississippi River Commission.

EXTREMES FOR WATER YEAR 1978.--Maximum daily discharge, 23,700 ft³/s (671 m³/s) May 13; minimum daily, 4,350 ft³/s (123 m³/s) Apr. 28.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 25,300 ft³/s (716 m³/s) Apr. 15; minimum daily 6,770 ft³/s (192 m³/s) Oct. 17

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12200	10700	21100	15800	16700	13900	6580	12100	13500	11000	8250	9060
2	11100	10500	22500	15500	16900	14100	6420	16200	13900	10700	9300	9050
3	9410	10700	22800	15100	16800	14400	6260	16800	14000	10600	10100	9050
4	8400	10700	22500	14800	16700	14400	6240	17100	13300	10600	10000	9050
5	8000	10700	21800	14700	16700	13800	6220	16900	12600	10500	9980	9050
6	8420	10800	20900	14500	16600	12900	6200	16000	11600	10400	9900	8970
7	9800	10900	20300	14200	16500	12100	6180	16900	11100	10400	9850	8890
8	10700	11000	19600	14000	15900	11600	6160	20300	14200	10400	9900	8780
9	13600	11000	19400	13800	15200	10900	6140	21700	16100	10600	10100	8690
10	13700	10900	18900	13800	14500	10200	6130	22200	16000	10700	10200	8520
11	11900	10800	18500	13600	13900	9610	6000	22800	15400	10600	10300	8580
12	10200	10700	18300	13300	13500	9170	7390	23600	14300	10600	10400	8660
13	9880	10600	18100	12900	13400	9060	7350	23700	13400	10500	10400	8820
14	10100	10500	18200	12400	13300	12100	6710	23300	12600	10400	10300	8890
15	10500	10800	18200	11700	13100	13900	5860	22500	12000	10700	10300	9120
16	10600	10400	18200	11200	12800	14300	6100	21400	11900	10700	10200	9230
17	10700	11200	17600	11300	12600	13900	5050	20900	12000	10600	10000	9170
18	10800	12400	18200	15000	12400	13300	4830	20500	12100	9740	9190	9130
19	11000	11900	18300	15300	12100	12800	4910	20100	12600	9220	8720	8900
20	11100	11500	18200	15500	11900	12100	5060	20000	13200	8990	8570	8620
21	11200	16400	18100	15400	11700	11500	5020	19700	13500	8730	8550	8400
22	11300	18200	18000	15300	11200	10700	4700	19100	13200	8580	8500	8420
23	11300	18600	17800	15000	11000	9870	4640	18200	12800	8450	8350	8420
24	11400	18800	17400	15000	11100	9140	4590	17400	12700	8400	8250	8420
25	12900	18600	17100	15900	11300	8520	4570	16600	12400	8350	8170	8420
26	12900	17600	16900	18500	11400	8090	4450	15400	12200	8330	8100	8420
27	11700	16400	16700	18700	11500	7730	4360	14700	11900	8400	8090	8540
28	11400	15500	16400	18200	12500	7460	4350	14200	11800	8550	8100	8710
29	11700	15800	16200	17700	---	7190	4370	13900	11500	8630	8130	8550
30	11700	18700	16100	16900	---	7000	4910	13800	11200	8490	8860	8360
31	11300	---	16200	16400	---	6770	---	13600	---	8170	9060	---
TOTAL	341510	392900	578500	464900	383200	342510	168550	571600	389000	300930	288120	262890
MEAN	11026	13100	18660	15000	13690	11050	5618	18440	12970	9707	9294	8763
MAX	13700	18800	22800	18700	16900	14400	7390	23700	16100	11000	10400	9230
MIN	8000	10400	16100	11200	11000	6770	4350	12100	11100	8170	8090	8360

CAL YR 1977 TOTAL 3157042 MEAN 8649 MAX 22800 MIN 552 + +844
 WTR YR 1978 TOTAL 4484610 MEAN 12290 MAX 23700 MIN 4350 + -26.4

+ Change in contents, equivalent in cubic feet per second, in Sardis, Enid, Arkabutla, and Grenada Lakes (see stations 07272000, 07274500, 07278000, 07284500).

YAZOO RIVER BASIN

07287000 YAZOO RIVER AT GREENWOOD, MS--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR COMMENCING 1978 TO SEPTEMBER 1979
STATION 07287000

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9150	7540	8850	14100	15700	18800	17900	29000	20100	14000	15300	12900
2	7950	7450	8520	16600	15400	18800	18300	24300	20100	14100	15400	13000
3	7860	7350	7450	17200	19000	15500	19000	24200	20300	14200	15300	13100
4	7940	7320	9380	17000	18700	20000	19400	20500	20000	14200	15300	12300
5	8000	7320	11300	16600	18300	20000	20000	21500	20000	14300	15300	12000
6	7950	7060	12000	16800	18200	21200	20300	21700	20200	14500	15200	12200
7	7500	7500	12000	18300	18700	21200	20100	21700	21000	15100	15200	13100
8	7940	7070	12500	15100	18000	21200	20700	21500	21000	15100	15200	13000
9	7290	7400	10300	19200	18700	21200	21000	21300	20000	15300	15200	13600
10	7130	7230	10700	19100	18500	21000	21300	21000	20000	15500	15200	13800
11	7120	7200	10500	18800	18200	21000	21400	20000	20000	16000	15300	13900
12	6930	7100	10400	18600	17900	20000	23300	20700	20200	17000	15300	14000
13	6870	7000	10300	18200	17700	20000	24600	20000	20000	18100	15200	13900
14	6870	6950	10200	18000	17300	20000	25200	20300	19600	17500	15200	13300
15	6870	7100	10000	17800	16800	20300	25300	20100	19200	16700	15000	13000
16	6790	7150	13700	17300	16500	20000	25200	19000	18000	15700	14900	13000
17	6770	7300	13300	17200	16300	19700	25000	19600	18500	15500	14900	13000
18	7050	7000	12900	17100	16300	19400	24600	19500	18000	14100	14900	13500
19	7020	7350	12300	17200	16200	19000	24300	19200	17200	14200	14700	13000
20	7650	7870	11100	26000	16100	18700	23800	19100	16000	14300	14000	13900
21	7820	8150	10900	21800	16200	18300	23500	18500	16700	14200	14300	14100
22	7880	8300	10300	22000	16300	18000	23100	18000	15900	14100	14300	13300
23	7880	8000	9650	22000	16500	18500	23000	18000	12000	14000	14200	11100
24	7870	8080	9000	22600	17100	18700	22700	18700	12000	14500	14200	8600
25	7840	8850	8090	22000	18200	18700	22000	18500	12600	14600	14100	8660
26	7820	8900	8000	22200	18700	18700	22000	18300	13100	14600	14000	9850
27	7790	9250	7560	21900	18800	18500	21800	18200	13400	14900	14200	11200
28	7700	9710	7100	21500	18800	18300	21400	18300	13600	15100	14000	12100
29	7700	9500	7020	21200	---	18200	21000	19200	13900	15200	13600	12000
30	7660	9210	6920	20800	---	18000	20800	19700	13900	15300	13400	12900
31	7620	---	8090	20200	---	17900	---	20000	---	15300	13100	---
TOTAL	233120	235110	300010	593200	497900	606100	662800	617400	527100	467400	455600	386700
MEAN	7520	7537	10970	19100	17780	19550	22090	19920	17570	15080	14700	12890
MAX	8150	9710	10700	22600	19700	21200	25300	21700	21000	18100	15300	14100
MIN	6770	6950	6920	14100	16100	17900	17900	18200	12000	14000	13100	8660
DAY	1978	TOTAL	3979900	MEAN	10900	MAX	23700	MIN	4350	+	-527	
DAY	1979	TOTAL	5616410	MEAN	15390	MAX	25300	MIN	6770	+	+1416	

* Change in contents, equivalent in cubic feet per second, in Sardis, Enid, Arkabutla, and Grenada Lakes (see stations 07272000, 07274500, 07278000, 07284500).

YAZOO RIVER BASIN

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07287120 YAZOO RIVER NEAR SHELL BLUFF, MS
(National stream-quality accounting network station)
(National pesticide water monitoring program station)

LOCATION.--Lat 33°23'48", long 90°16'19", in NW¼ sec.26, T.18 N., R.1 W., Choctaw Meridian, Leflore County, Hydrologic Unit 08030206, on downstream side of Poindexter Bridge on county road at Phillipstown, 1.8 mi (2.9 km) east of Shell Bluff, 2.5 mi (4.0 km) east of intersection of county road and State Highway 7, 4.8 mi (7.7 km) east of Morgan City, and at mile 149.8 (241.0 km).

DRAINAGE AREA.--7,650 mi² (19,810 km²), approximately.

PERIOD OF RECORD.--Water years 1975 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: October 1975 to current year.

WATER TEMPERATURE: October 1975 to current year.

INSTRUMENTATION.--Specific conductance/temperature recorder since October 1975.

REMARKS.--Prior to July 27, 1979, specific conductance listed as 50 micromhos represent 50 micromhos or less due to instrument limitations. After July 27, 1979, specific conductance listed as 30 micromhos represent 30 micromhos or less due to instrument limitations. Interruptions in the record were due to malfunctions of the instrument. Stage-discharge relation based on intermittent discharge measurements.

COOPERATION.--Discharge measurements were furnished by Corps of Engineers. Pesticide analyses were performed by U.S. Environmental Protection Agency.

EXTREMES FOR PERIOD OF RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 119 micromhos Apr. 27, 1978; minimum, 50 micromhos or less Dec. 8-16, 1977, June 10, 1978.

WATER TEMPERATURE: Maximum, 31.0°C Aug. 26, 1978; minimum, 1.5°C Jan. 20, 21, 1978.

EXTREMES OUTSIDE PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 200 micromhos Jan. 3, 1977; minimum, 44 micromhos Apr. 6, 1977.

WATER TEMPERATURES: Maximum, 31.0°C July 5-8, 15, 16, 1977; minimum, 0.0°C Jan. 18-22, 1977.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURE: Maximum, 30.0°C Aug. 8-10, 30, Sept. 1; minimum, 1.5°C Jan. 10-12, 15.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE, WATER (DEG C)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	COLI- FORM, FFCAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCCI FFCAL, KF AGAR (COLS. PER 100 ML)	HARD- NESS (MG/L AS CaCO3)	HARD- NESS, NONCAR- BONATE (MG/L CaCO3)
OCT 04...	1100	9070	78	7.2	23.0	45	7.6	K200	210	29	3
OCT 09...	1100	8940	78	6.3	16.0	30	9.2	270	K110	26	6
DEC 08...	1400	12300	71	7.3	10.5	350	8.6	K720	2400	26	5
JAN 04...	1000	17400	50	6.6	5.0	90	10.8	3000	5500	14	0
FEB 08...	1100	20400	51	6.7	3.0	250	11.4	K900	8200	16	0
MAR 08...	1000	22300	50	6.4	10.5	300	9.1	550	340	15	2
APR 05...	1300	20900	48	6.7	16.0	300	8.2	K1900	K2300	15	0
MAY 03...	1200	22100	65	6.6	18.5	100	7.5	580	420	21	2
JUN 06...	1100	21600	50	6.7	--	100	6.1	1100	1100	20	4
JUL 05...	1100	14600	59	7.2	21.0	95	7.7	--	--	20	2
AUG 08...	1200	15400	64	6.8	28.0	100	6.5	--	540	22	5
SEP 06...	1100	13100	65	7.1	28.0	45	6.3	--	360	24	7

YAZOO RIVER BASIN

07287120 YAZOO RIVER NEAR SHELL BLUFF, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LITY (MG/L AS CA(CO3)	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...	7.3	2.5	4.0	22	.3	2.0	26	9.3	4.4	.1
NOV 09...	5.1	2.3	5.5	29	.5	2.5	20	6.6	4.0	.1
DEC 08...	6.4	2.5	3.5	20	.3	3.3	21	6.7	3.1	.1
JAN 04...	3.5	1.3	2.4	23	.3	2.5	14	4.8	2.4	.1
FEB 08...	3.9	1.4	3.3	28	.4	2.5	19	5.8	2.6	.1
MAR 08...	3.8	1.4	2.3	22	.3	2.2	13	5.6	1.9	.1
APR 05...	3.8	1.4	2.5	24	.3	1.8	18	4.5	5.0	.0
MAY 03...	5.3	1.8	2.6	20	.3	2.0	19	5.2	2.6	.1
JUN 06...	5.1	1.7	2.7	21	.3	2.1	16	6.0	2.4	.1
JUL 05...	5.0	1.7	2.8	22	.3	1.9	18	5.7	2.4	.1
AUG 08...	6.0	1.8	3.1	21	.3	2.4	17	5.9	2.8	.1
SEP 06...	6.4	2.0	3.4	22	.3	2.2	17	4.9	2.7	.1
	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, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,NH4 + ORG. SUSP. TOTAL (MG/L AS N)
OCT 04...	5.1	54	50	.07	1320	.15	.03	.46	.49	.31
NOV 09...	5.0	56	45	.08	1350	.06	.05	.39	.44	.07
DEC 08...	5.4	66	44	.09	2190	.40	.21	1.2	1.4	.54
JAN 04...	5.2	44	31	.06	2070	.33	.13	.80	.93	.08
FEB 08...	6.1	48	37	.07	2640	.38	.16	.84	1.0	.59
MAR 08...	5.9	40	31	.05	2410	.31	.24	1.1	1.3	.53
APR 05...	6.1	50	36	.07	2820	.38	.11	.47	.58	.00
MAY 03...	5.7	52	37	.07	3100	.47	.06	.85	.91	.64
JUN 06...	5.9	46	36	.06	2680	.47	.11	.79	.90	.64
JUL 05...	6.4	43	37	.06	1700	.31	.00	.55	.55	.25
AUG 08...	6.1	55	38	.07	2290	.30	.06	.79	.85	.40
SEP 06...	5.9	50	38	.07	1770	.17	.03	.27	.30	.11

YAZOO RIVER BASIN

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07287120 YAZOO RIVER NEAR SHELL BLUFF, MS--Continued
WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	NITRO- GEN, AM- MONIA + ORGANIC DIS. (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)	PHYTO- PLANK- TON, TOTAL (CELLS PER ML)	SEDI- MENT, SUS- PENDED (MG/L)	SEDI- MENT DIS- CHARGE, SUS- PENDED (T/DAY)	SED. SUSP. STEEVE DIAM. % FINER THAN .062 MM
CCT 04...	.18	.64	2.8	.130	.020	--	2200	125	3060	94
NOV 09...	.37	.50	2.2	.080	.040	3.4	--	100	2410	--
DEC 08...	.86	1.8	8.0	.400	.070	8.8	--	454	15100	--
JAN 04...	.85	1.3	5.6	.420	.060	--	700	355	16700	69
FEB 08...	.41	1.4	6.1	.360	.040	7.0	--	419	23100	90
MAR 08...	.77	1.6	7.1	.380	.030	8.4	--	448	27000	91
APR 05...	.66	.96	4.3	.500	.050	--	960	1930	109000	32
MAY 03...	.27	1.4	6.1	.660	.380	7.1	--	306	18300	77
JUN 06...	.26	1.4	6.1	.410	.020	9.6	350	308	18000	92
JUL 05...	.30	.86	3.8	.230	.020	--	190	298	11700	93
AUG 08...	.45	1.2	5.1	.220	.030	6.4	130	321	13300	92
SEP 06...	.19	.47	2.1	.100	.010	4.5	13000	740	26200	69

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	AROCUR TCT, IN HOT MAT 1254 PCR SERIES (UG/KG)	PCB, TOTAL (UG/L)	PCR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	ALDRIN, TOTAL (UG/KG)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	CHLOR- DANE, TOTAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	P,P' DDD, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDE, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	DDE, TOTAL (UG/KG)
NOV 09...	10	ND	--	ND	ND	ND	ND	ND	ND	--	ND	ND
FEB 08...	--	ND	--	ND	--	ND	--	ND	--	--	ND	--
MAR 08...	--	ND	--	ND	--	ND	--	ND	--	--	ND	--
APR 05...	--	ND	ND	ND	ND	ND	ND	ND	--	1.0	ND	--
MAY 03...	--	ND	--	ND	--	ND	--	ND	--	--	ND	--
JUN 06...	--	--	--	--	--	--	--	--	--	--	--	--
AUG 08...	--	ND	--	ND	--	ND	--	ND	--	--	ND	--

DATE	P,P' DDE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDT, TOTAL (UG/L)	P,P' DDT, TOTAL (UG/L)	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	P,P' DDT, TOTAL (UG/KG)	DI- AZINON, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	DI- AZINON, TOTAL (UG/KG)	DI- ELDRI, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	DI- ELDRI, TOTAL (UG/KG)	ENDRI, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	ENDRI, TOTAL (UG/KG)
NOV 09...	--	ND	--	ND	--	ND	ND	ND	ND	ND	ND
FEB 08...	--	--	.03	--	--	ND	--	ND	--	ND	--
MAR 08...	--	ND	--	--	--	ND	--	ND	--	ND	--
APR 05...	4.9	ND	--	--	1.6	ND	ND	ND	ND	ND	ND
MAY 03...	--	ND	--	--	--	ND	--	ND	--	ND	--
JUN 06...	--	--	--	--	--	--	ND	--	--	--	--
AUG 08...	--	ND	--	--	--	ND	--	ND	--	ND	--

YAZOO RIVER BASIN

07287120 YAZOO RIVER NEAR SHELL BLUFF, MS--Continued
 PESTICIDE ANALYSES, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	ETHION, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	ETHION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR EPOXIDE TOT. IN BOT- TOM MATEL. (UG/L)	HEPTA- CHLOR EPOXIDE TOT. IN BOT- TOM MATEL. (UG/KG)	LINDANE TOTAL IN BOT- TOM MA- TERIAL (UG/L)	LINDANE TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	NALA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	NALA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	METH- OXY- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/L)
NOV 09...	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
FEB 08...	ND	--	ND	--	ND	--	ND	--	ND	--	ND
MAR 08...	ND	--	ND	--	ND	--	ND	--	ND	--	ND
APR 05...	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MAY 03...	ND	--	ND	--	ND	--	ND	--	ND	--	ND
JUN 06...	--	ND	--	--	--	--	--	--	--	ND	--
AUG 08...	ND	--	ND	--	ND	--	ND	--	ND	--	ND

DATE	METH- OXY- CHLOR, TOT. IN BOT- TOM MATEL. (UG/KG)	METHYL PARA- THION, TOT. IN BOT- TOM MATEL. (UG/L)	METHYL PARA- THION, TOT. IN BOT- TOM MATEL. (UG/KG)	METHYL TRI- THION, TOT. IN BOT- TOM MATEL. (UG/L)	METHYL TRI- THION, TOT. IN BOT- TOM MATEL. (UG/KG)	PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	TOX- APHENE, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	TOX- APHENE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	TRI- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	TRI- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
NOV 09...	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
FEB 08...	--	ND	--	ND	--	ND	--	ND	--	ND	--
MAR 08...	--	ND	--	ND	--	ND	--	ND	--	ND	--
APR 05...	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MAY 03...	--	ND	--	ND	--	ND	--	ND	--	ND	--
JUN 06...	--	--	ND	--	ND	--	ND	--	--	--	ND
AUG 08...	--	ND	--	ND	--	ND	--	ND	--	ND	--

YAZOO RIVER BASIN

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07287120 YAZOO RIVER NEAR SHELL BLUFF, MS--Continued
WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	ARSENIC TOTAL (UG/L AS AS)	ARSENIC DIS- SOLVED (UG/L AS AS)	BARIUM, TOTAL RECOV- ERABLE (UG/L AS BA)	BARIUM, SUS- PENDED RECOV- ERABLE (UG/L AS BA)	BARIUM, DIS- SOLVED (UG/L AS BA)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CADMIUM SUS- PENDED RECOV- ERABLE (UG/L AS CD)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	CHRO- MIUM, SUS- PENDED RECOV- ERABLE (UG/L AS CR)
OCT 04...	1	1	0	0	0	1	0	1	<10	<10
JAN 04...	3	1	0	0	0	12	12	0	10	9
APR 05...	3	1	200	200	0	1	0	1	20	0
JUL 05...	4	1	100	70	30	1	0	2	40	30

DATE	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	COPALT, TOTAL RECOV- ERABLE (UG/L AS CO)	COBALT, SUS- PENDED RECOV- ERABLE (UG/L AS CO)	COBALT, DIS- SOLVED (UG/L AS CO)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	COPPER, SUS- PENDED RECOV- ERABLE (UG/L AS CU)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, SUS- PENDED RECOV- ERABLE (UG/L AS FE)	IRON, DIS- SOLVED (UG/L AS FE)
OCT 04...	0	2	1	1	5	3	2	3200	3100	110
JAN 04...	1	5	5	0	5	4	1	590	470	120
APR 05...	20	5	4	1	8	5	3	16000	16000	220
JUL 05...	<10	1	1	0	8	5	3	5300	5200	110

DATE	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	LEAD, SUS- PENDED 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- PENDED RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY SUS- PENDED RECOV- ERABLE (UG/L AS HG)	MERCURY DIS- SOLVED (UG/L AS HG)	SILF- NIUM, TOTAL (UG/L AS SE)
OCT 04...	7	4	3	360	360	0	<.5	.0	<.5	0
JAN 04...	20	5	15	530	450	80	<.5	.0	<.5	0
APR 05...	15	10	5	400	370	30	<.5	.0	<.5	0
JUL 05...	16	13	3	180	160	20	<.5	.0	<.5	0

DATE	SELL- NIUM, SUS- PENDED TOTAL (UG/L AS SE)	SELL- NIUM, DIS- SOLVED (UG/L AS SE)	SILVER, TOTAL RECOV- ERABLE (UG/L AS AG)	SILVER, SUS- PENDED RECOV- ERABLE (UG/L AS AG)	SILVER, DIS- SOLVED (UG/L AS AG)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	ZINC, SUS- PENDED RECOV- ERABLE (UG/L AS ZN)	ZINC, DIS- SOLVED (UG/L AS ZN)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C)	CARBON, ORGANIC SUS- PENDED (MG/L AS C)
OCT 04...	0	0	0	0	0	20	10	10	7.2	1.2
JAN 04...	0	0	0	0	0	30	20	10	11	2.1
APR 05...	0	0	0	0	0	70	70	0	5.8	--
JUL 05...	0	0	0	0	0	50	40	10	7.8	3.4

YAZOO RIVER BASIN

07287120 YAZOO RIVER NEAR SHELL BLUFF, MS--Continued
 PHYTOPLANKTON ANALYSES, OCTOBER 1978 TO SEPTEMBER 1979

DATE TIME	OCT 4,78 1100	JAN 4,79 1000	APR 5,79 1300	JUN 6,79 1100				
TOTAL CELLS/ML	2200	700	960	350				
DIVERSITY: DIVISION	1.2	1.1	1.4	1.0				
...CLASS	1.2	1.1	1.4	1.0				
...ORDER	1.6	1.6	2.0	1.5				
...FAMILY	2.0	1.8	2.2	1.8				
...GENUS	2.5	1.9	2.5	1.8				
ORGANISM	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT
CHLOROPHYTA (GREEN ALGAE)								
...CHLOROPHYCEAE								
...CHLOROCOCCALES								
...CHAMACIACEAE								
...SCHROEDERIA	--	-	8	1	--	-	--	-
...UCCYSTACEAE								
...ANKISTRODESMUS	--	-	50	8	43	4	--	-
...CHLORILLA	--	-	--	-	--	-	--	-
...CHODATELLA	--	-	--	-	14	1	--	-
...KIPCHNERIELLA	--	-	8	1	29	3	--	-
...UCYSTIS	--	-	--	-	--	-	--	-
...SCENEDESMACEAE								
...CHUCIGENIA	85	4	--	-	--	-	--	-
...SCENEDESMUS	53	2	31	4	57	6	--	-
...TETRASTRUM	--	-	--	-	57	6	--	-
...VULVULACEFS								
...CHLAMYDOMONADACEAE								
...CHLAMYDOMONAS	--	-	8	1	--	-	--	-
...ZYGNEATALES								
...LESTIDIACEAE								
...STRASTRUM	*	0	--	-	--	-	--	-
CHRYSDOPHYTA								
...BACILLARIOPHYCEAE								
...CENTRALES								
...COSCINOIDISCAEAE								
...CYCLOTELLA	350#	16	38	5	--	-	78#	22
...MELOSIRA	410#	18	31	4	--	-	--	-
...PENNALES								
...ACHNANTHACEAE								
...COCCONIS	--	-	--	-	--	-	--	-
...FRAGILARIACEAE								
...ASTERIONELLA	--	-	--	-	--	-	78#	22
...SYNECRA	16	1	--	-	14	1	--	-
...GOMPHONEMACEAE								
...GOMPHONEMA	--	-	--	-	--	-	--	-
...NAVICULACEAE								
...NAVICULA	*	0	8	1	--	-	--	-
...PLEURUSIGMA	--	-	--	-	--	-	--	-
...NITZSCHACEAE								
...NITZSCHIA	*	0	8	1	72	7	39	11
CRYPTOPHYTA (CRYPTOMONADS)								
...CRYPTOPHYCEAE								
...CRYPTOMONADALES								
...CRYPTOMONADACEAE								
...CRYPTOMONAS	--	-	--	-	14	1	--	-
CYANOPHYTA (BLUE-GREEN ALGAE)								
...CYANOPHYCEAE								
...CHROCOCCALES								
...CHRODOCCACEAE								
...AGMENELLUM	85	4	--	-	--	-	--	-
...ANACYSTIS	*	0	46	7	170#	18	160#	44
...GOMPHOSPHAERIA	43	2	--	-	--	-	--	-
...HORMOGONALES								
...NOSTOCACEAE								
...ANABAENA	210	9	--	-	460#	48	--	-
...OSCILLATORIACEAE								
...OSCILLATORIA	960#	43	460#	66	--	-	--	-
...SCHIZOTHRIX	--	-	--	-	--	-	--	-
EUGLENOPHYTA (EUGLENOIDS)								
...EUGLENOPHYCEAE								
...EUGLENALES								
...EUGLENACEAE								
...EUGLENA	--	-	--	-	14	1	--	-
...TRACHELOMONAS	--	-	--	-	14	1	--	-

NOTE: # = DOMINANT ORGANISM; EQUAL TO OR GREATER THAN 15%
 * = OBSERVED ORGANISM, MAY NOT HAVE BEEN COUNTED; LESS THAN 1/2%

YAZOO RIVER BASIN

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07287120 YAZOO RIVER NEAR SHELL BLUFF, MS--Continued
PHYTOPLANKTON ANALYSES, OCTOBER 1978 TO SEPTEMBER 1979

DATE TIME	JUL 5,79 1100	AUG 8,79 1200	SEP 6,79 1100	
TOTAL CELLS/ML	190	130	13000	
DIVERSITY: DIVISION	1.0	0.0	0.2	
..CLASS	1.0	0.0	0.2	
..ORDER	1.5	0.0	0.2	
...FAMILY	1.5	0.0	0.2	
....GENUS	1.5	0.0	0.2	
ORGANISM	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT
CHLOROPHYTA (GREEN ALGAE)				
..CHLOROPHYCEAE				
...CHLOROCOCCALES				
...CHARACIACEAE				
...SCHROEDERIA	--	-	--	-
...DOCYSTACEAE				
...ANKISTRODESMUS	--	-	--	-
...CHLORELLA	--	-	--	-
...CHUDATELLA	--	-	--	-
...KIRCHNERIFLLA	--	-	--	-
...DOCYSTIS	--	-	--	-
...SCENEDESMACEAE				
...CHUCIGENIA	--	-	--	-
...SCENEDESMUS	77#	40	--	-
...TETRASTRUM	--	-	--	-
...VOLVOCALES				
...CHLAMYDOMONADACEAE				
...CHLAMYDOMONAS	39#	20	--	-
..ZYGEMATALES				
...DESMIDIACEAE				
...STAUROSTRUM	--	-	--	-
CHRYSOPHYTA				
..BACILLARIOPHYCEAE				
..CENTRALES				
...FUSCINODISCACEAE				
...CYCLOTELLA	--	-	--	-
...MELOSIRA	77#	40	130#100	13000# 97
..PENNALES				
...ACHNANTHACEAE				
...COCCOFIS	--	-	--	-
...FRAGILARIACEAE				
...ASTRIONELLA	--	-	--	-
...SYNEDRA	--	-	--	-
...GOMPHONENACEAE				
...GOMPHONEMA	--	-	--	-
...NAVICULACEAE				
...NAVICULA	--	-	--	-
...PLEUROSIGMA	--	-	--	-
...NITZSCHIAEAE				
...NITZSCHIA	--	-	--	-
CRYPTOPHYTA (CRYPTOMONADS)				
..CRYPTOPHYCEAE				
...CRYPTOMONADALES				
...CRYPTOMONADACEAE				
...CRYPTOMONAS	--	-	--	-
CYANOPHYTA (BLUE-GREEN ALGAE)				
..CYANOPHYCEAE				
..CHROOCOCCALES				
...CHROOCOCCACEAE				
...AGMFAELLUM	--	-	--	-
...ANACYSTIS	--	-	--	-
...GOMPHOSPHAERIA	--	-	--	-
...HORMOGONALES				
...MUSTICACEAE				
...AMPHAEIA	--	-	--	-
...OSCILLATORIACEAE				
...OSCILLATORIA	--	-	--	-
...SCHIZOTHRIX	--	-	--	-
EUGLENOPHYTA (EUGLENOIDS)				
..EUGLENOPHYCEAE				
..EUGLENALES				
...EUGLENACEAE				
...EUGLENA	--	-	--	-
...TRACHELONAS	--	-	--	-

NOTE: # = DOMINANT ORGANISM; EQUAL TO OR GREATER THAN 15%

* = PRESERVED ORGANISM, MAY NOT HAVE BEEN COUNTED; LESS THAN 1/2%

YAZOO RIVER BASIN

07287120 YAZOO RIVER NEAR SHELL BLUFF, MS--Continued
 SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	84	80	82	91	88	89	94	84	88	76	63	70
2	85	80	82	93	88	89	95	85	90	64	56	61
3	82	78	81	94	84	89	99	91	96	56	51	53
4	93	78	79	88	84	86	92	83	88	56	55	56
5	89	86	88	89	84	86	93	80	82	---	---	---
6	90	86	88	89	84	86	70	58	63	---	---	---
7	93	87	91	97	90	93	78	62	71	---	---	---
8	90	87	89	102	94	99	87	78	82	---	---	---
9	92	88	89	104	86	91	94	75	83	---	---	---
10	93	88	90	83	80	82	81	73	76	---	---	---
11	93	89	90	84	81	82	76	73	74	---	---	---
12	93	89	91	86	81	83	81	76	79	---	---	---
13	93	90	91	84	81	82	74	76	77	---	---	---
14	107	90	101	85	81	83	78	76	77	---	---	---
15	112	106	109	83	82	83	79	77	78	---	---	---
16	117	113	115	85	83	84	80	79	80	---	---	---
17	117	113	115	84	80	81	81	74	77	---	---	---
18	117	115	116	87	84	85	75	73	74	---	---	---
19	112	81	85	90	85	88	76	74	75	---	---	---
20	90	82	86	90	82	86	77	74	76	---	---	---
21	87	82	85	82	81	81	79	75	77	---	---	---
22	87	81	84	90	82	87	79	77	78	---	---	---
23	92	86	89	86	87	87	79	76	78	---	---	---
24	94	91	92	87	83	85	83	78	80	---	---	---
25	94	91	92	90	83	86	83	81	82	---	---	---
26	91	83	86	83	81	82	81	77	79	---	---	---
27	86	83	84	83	81	82	80	78	79	---	---	---
28	87	83	84	85	82	83	80	75	78	---	---	---
29	88	85	86	86	78	82	75	74	75	---	---	---
30	89	84	87	98	86	93	76	74	75	---	---	---
31	93	87	90	---	---	---	78	76	77	---	---	---
FEBRUARY			MARCH			APRIL			MAY			
1	---	---	---	---	---	---	58	55	56	64	61	62
2	---	---	---	---	---	---	56	52	53	64	61	62
3	---	---	---	---	---	---	53	50	52	74	46	73
4	---	---	---	---	---	---	53	47	49	88	64	70
5	---	---	---	---	---	---	53	47	50	64	62	63
6	---	---	---	---	---	---	56	49	52	63	59	61
7	---	---	---	---	---	---	58	52	55	66	58	62
8	---	---	---	---	---	---	60	55	58	70	62	65
9	---	---	---	54	48	51	61	58	59	74	65	69
10	---	---	---	50	49	50	61	57	59	78	70	74
11	---	---	---	53	50	51	61	58	59	79	73	75
12	---	---	---	54	50	51	59	54	56	73	71	72
13	---	---	---	51	49	50	58	54	55	75	71	73
14	---	---	---	52	49	50	56	47	52	75	69	72
15	---	---	---	52	50	50	54	47	49	76	69	72
16	---	---	---	52	49	50	55	47	50	74	69	71
17	---	---	---	51	49	51	57	50	53	76	68	72
18	---	---	---	53	49	51	58	53	55	74	69	71
19	---	---	---	53	51	52	59	55	56	74	70	72
20	---	---	---	54	51	52	59	57	58	75	70	72
21	---	---	---	54	51	52	61	58	59	74	71	72
22	---	---	---	54	52	53	60	59	59	75	71	72
23	---	---	---	54	52	53	61	59	60	74	71	73
24	---	---	---	53	50	52	63	59	60	75	72	73
25	---	---	---	53	44	47	64	59	60	76	72	73
26	---	---	---	53	49	51	60	58	59	75	72	73
27	---	---	---	53	50	51	65	60	62	72	70	71
28	---	---	---	56	52	54	64	60	62	75	71	73
29	---	---	---	55	53	54	63	61	62	76	71	74
30	---	---	---	55	53	54	66	62	63	74	71	73
31	---	---	---	54	54	55	---	---	---	77	71	74

07287120 YAZOO RIVER NEAR SHELL BLUFF, MS--Continued
 SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE			JULY			AUGUST			SEPTEMBER			
1	79	71	74	---	---	---	76	71	74	69	66	68
2	76	70	73	---	---	---	70	64	67	71	68	69
3	74	72	74	---	---	---	68	64	66	87	71	79
4	75	72	74	---	---	---	69	64	66	92	64	74
5	79	72	74	74	65	69	69	64	66	69	64	67
6	68	65	66	71	65	67	68	64	65	67	62	63
7	73	65	68	73	66	68	77	65	71	66	61	63
8	74	66	69	73	66	68	69	63	65	63	60	62
9	---	---	---	78	65	70	70	63	67	66	61	63
10	---	---	---	72	66	69	72	68	70	68	63	65
11	---	---	---	75	62	68	69	68	68	66	63	64
12	---	---	---	70	61	65	69	68	68	66	62	64
13	---	---	---	73	63	67	70	67	68	66	63	64
14	---	---	---	73	57	65	71	66	68	69	65	67
15	---	---	---	86	73	79	72	66	69	71	67	72
16	---	---	---	93	76	84	70	67	68	76	73	75
17	---	---	---	96	88	92	72	67	69	80	73	76
18	---	---	---	98	92	95	72	68	69	75	62	65
19	---	---	---	94	85	89	71	68	69	63	62	63
20	---	---	---	85	76	81	73	69	70	67	62	64
21	---	---	---	81	74	76	72	69	70	67	64	66
22	---	---	---	78	70	73	71	69	70	77	66	72
23	---	---	---	75	72	73	74	70	71	---	---	---
24	---	---	---	76	72	74	72	70	71	---	---	---
25	---	---	---	77	73	75	71	64	68	---	---	---
26	---	---	---	78	74	76	70	65	68	---	---	---
27	---	---	---	75	62	69	79	68	70	---	---	---
28	---	---	---	63	59	61	74	68	70	---	---	---
29	---	---	---	71	63	66	84	72	79	---	---	---
30	---	---	---	74	69	71	83	72	79	---	---	---
31	---	---	---	76	69	72	71	66	69	---	---	---

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

LAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	25.0	24.0	24.5	19.5	18.5	18.5	13.0	12.5	13.0	10.5	10.0	10.0
2	24.5	23.5	24.0	19.5	18.5	19.0	13.5	12.5	13.0	9.5	8.5	9.0
3	24.0	23.5	23.5	19.5	18.5	19.0	14.5	13.5	14.0	9.0	6.5	7.5
4	25.0	23.5	24.0	19.5	18.5	19.0	14.5	13.5	14.0	6.0	5.0	6.0
5	24.0	23.0	24.0	19.5	18.5	19.0	14.0	13.0	13.5	8.5	4.0	4.0
6	24.0	22.5	23.0	19.0	18.5	18.5	13.5	12.5	13.0	4.0	4.0	4.0
7	23.0	22.0	22.5	19.0	18.0	18.5	13.0	12.5	12.5	4.0	3.5	4.0
8	22.0	21.5	22.0	18.0	17.0	17.5	12.5	11.5	12.0	3.5	3.0	3.0
9	21.5	21.0	21.5	17.0	16.5	17.0	11.5	10.5	11.0	3.0	2.0	2.5
10	21.5	20.5	21.0	16.5	16.0	16.5	11.0	9.0	10.5	2.0	1.5	1.5
11	21.5	20.5	21.5	17.0	16.5	16.5	9.0	8.0	8.5	2.0	1.5	1.5
12	22.0	21.5	21.5	17.5	16.5	17.0	8.0	7.0	7.5	2.5	1.5	2.0
13	22.0	21.5	21.5	17.5	17.0	17.5	7.5	6.5	7.0	3.0	2.5	2.5
14	21.5	20.5	21.0	18.0	17.5	17.5	7.0	6.5	6.5	2.5	2.0	2.5
15	20.5	19.5	20.0	18.0	18.0	18.0	6.5	6.0	6.0	2.5	1.5	2.0
16	20.0	19.0	19.5	18.5	18.0	18.0	6.5	6.0	6.5	2.5	2.0	2.0
17	19.0	18.0	18.5	18.5	17.5	18.0	7.5	6.5	7.0	3.0	2.5	2.5
18	18.5	18.0	18.5	17.5	16.5	17.0	7.5	7.0	7.0	4.0	3.0	3.5
19	19.0	18.0	18.5	16.5	16.5	16.5	8.5	7.5	8.0	5.0	4.0	4.5
20	19.0	18.0	18.5	16.5	16.0	16.0	10.0	8.5	9.0	4.5	7.5	8.0
21	19.5	18.0	19.0	16.0	16.0	16.0	10.5	10.0	10.5	8.5	7.0	7.5
22	19.5	18.5	19.0	16.0	15.5	15.5	11.0	10.5	10.5	7.5	7.0	7.0
23	20.0	18.5	19.5	16.0	15.5	16.0	10.5	10.0	10.5	7.5	6.5	7.0
24	20.0	19.0	19.5	16.5	15.5	16.0	10.0	9.0	9.5	6.5	5.0	5.5
25	20.0	19.0	19.5	16.0	15.0	15.5	9.0	8.5	8.5	5.5	5.0	5.0
26	20.0	19.0	19.5	16.0	15.5	15.5	8.5	8.0	8.5	5.0	4.5	4.5
27	19.0	18.5	19.0	16.0	15.0	15.5	8.0	7.5	8.0	4.5	4.0	4.0
28	19.0	18.0	18.5	15.0	14.5	14.5	8.0	7.0	7.5	4.0	3.5	3.5
29	18.5	17.5	18.0	14.5	14.0	14.0	7.5	7.0	7.5	3.5	3.0	3.5
30	18.5	17.5	18.0	14.0	13.0	13.5	8.0	7.5	7.5	3.5	3.0	3.5
31	19.0	18.0	18.5	---	---	---	10.0	8.0	9.0	3.5	3.0	3.0

YAZOO RIVER BASIN

07287120 YAZOO RIVER NEAR SHELL BLUFF, MS--Continued
 TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	3.0	3.0	3.0	8.0	7.5	8.0	16.0	15.5	15.5	18.5	17.5	18.0
2	3.0	3.0	3.0	9.0	8.0	8.0	17.0	16.0	16.5	18.5	18.0	18.0
3	3.5	3.0	3.5	10.5	9.0	9.5	16.5	16.5	16.5	21.0	18.5	18.5
4	3.5	3.5	3.5	10.5	10.0	10.5	16.5	16.0	16.5	20.5	20.0	20.5
5	3.5	3.5	3.5	11.5	10.0	10.5	16.0	15.5	15.5	20.0	19.5	19.5
6	3.5	3.5	3.5	11.5	10.5	11.0	16.5	15.5	16.0	19.5	19.0	19.0
7	3.5	3.5	3.5	11.0	10.5	10.5	17.0	16.0	16.5	20.5	19.0	19.5
8	3.5	3.5	3.5	11.0	10.5	10.5	17.0	16.5	16.5	21.5	20.0	21.0
9	3.5	3.0	3.5	11.0	10.0	10.5	17.0	16.5	16.5	22.0	21.5	21.5
10	3.0	2.5	3.0	11.0	10.5	11.0	16.5	16.0	16.5	23.0	22.0	22.5
11	3.5	3.0	3.0	10.5	10.0	10.5	17.0	16.0	16.5	24.0	23.0	23.5
12	3.5	3.0	3.5	11.0	10.0	10.5	17.5	17.0	17.0	24.0	23.0	23.5
13	4.0	3.5	3.5	11.0	10.5	11.0	17.5	17.0	17.0	23.0	22.0	22.5
14	5.0	4.0	4.5	11.5	11.0	11.0	18.0	17.0	17.5	22.5	21.5	22.0
15	6.0	5.0	5.5	11.5	11.0	11.5	18.5	17.5	18.0	22.5	21.5	22.0
16	6.0	5.5	6.0	11.5	11.0	11.0	19.5	18.0	18.5	23.0	22.0	22.5
17	6.0	5.5	5.5	11.5	11.0	11.0	20.0	19.0	19.5	23.0	22.5	23.0
18	5.5	4.5	5.0	12.0	11.5	12.0	20.0	19.5	20.0	23.5	22.5	23.0
19	4.5	4.0	4.0	13.5	12.0	12.5	20.5	20.0	20.0	23.5	23.0	23.0
20	4.0	4.0	4.0	14.0	13.0	13.5	20.5	20.0	20.0	24.0	23.0	23.5
21	5.0	4.0	4.5	14.0	13.5	14.0	20.0	20.0	20.0	24.0	23.5	23.5
22	6.0	5.0	5.5	14.0	13.5	14.0	20.0	19.5	19.5	23.5	23.0	23.5
23	7.5	6.0	7.0	14.0	13.5	14.0	19.0	18.5	19.0	23.0	22.5	23.0
24	8.5	7.5	8.0	13.5	13.0	13.0	19.0	18.5	18.5	23.0	22.0	22.5
25	9.0	8.0	8.5	13.0	12.5	13.0	19.0	18.5	19.0	22.5	22.0	22.0
26	8.5	8.0	8.5	12.5	12.0	12.0	19.5	19.0	19.0	22.0	21.5	22.0
27	8.5	7.5	8.0	13.0	12.0	12.5	19.0	18.5	19.0	22.0	21.5	21.5
28	8.0	7.5	7.5	13.5	12.5	13.0	19.0	18.0	18.5	21.5	21.0	21.5
29	---	---	---	14.0	13.0	13.5	18.0	17.5	18.0	21.5	21.0	21.5
30	---	---	---	14.5	13.5	14.0	18.0	17.0	17.5	21.5	21.5	21.5
31	---	---	---	15.5	14.5	15.0	---	---	---	22.0	21.5	21.5
JUNE			JULY			AUGUST			SEPTEMBER			
1	23.0	22.0	22.0	---	---	---	29.0	28.0	28.5	30.0	28.5	29.0
2	23.5	22.5	23.0	---	---	---	28.0	27.5	28.0	29.5	28.5	29.0
3	23.5	23.0	23.5	---	---	---	28.0	27.0	27.5	29.5	28.5	29.0
4	23.5	23.0	23.5	---	---	---	28.0	27.0	27.5	29.5	28.0	29.0
5	24.0	23.0	23.5	22.5	21.5	22.0	28.5	27.5	28.0	29.5	28.5	29.0
6	25.0	24.0	24.5	22.5	21.0	21.5	29.0	28.0	28.5	29.5	28.5	29.0
7	25.5	24.5	25.0	23.5	22.0	22.5	29.5	28.0	28.5	29.5	28.5	29.0
8	26.0	25.0	25.5	22.5	22.0	22.0	30.0	28.5	29.0	29.0	28.0	28.5
9	---	---	---	24.0	22.5	23.0	30.0	28.5	29.5	28.5	27.5	28.0
10	---	---	---	24.0	23.0	23.5	30.0	29.0	29.5	28.0	27.5	27.5
11	---	---	---	24.0	23.0	23.5	29.5	28.5	29.0	28.0	27.0	27.5
12	---	---	---	23.5	22.5	23.0	28.5	28.0	28.0	28.0	27.0	27.5
13	---	---	---	25.0	24.5	24.5	28.0	27.5	27.5	27.5	27.0	27.0
14	---	---	---	25.5	24.0	25.0	28.0	27.0	27.5	27.0	26.5	26.5
15	---	---	---	27.5	26.5	27.0	28.0	27.0	27.5	26.0	25.5	26.0
16	---	---	---	29.0	27.5	28.0	28.5	27.5	28.0	25.5	25.0	25.5
17	---	---	---	29.5	28.5	29.0	28.5	27.5	28.0	25.5	25.0	25.0
18	---	---	---	29.5	28.5	29.0	28.5	27.5	28.0	25.0	25.0	25.0
19	---	---	---	29.0	28.0	28.5	29.0	28.0	28.5	25.0	24.5	25.0
20	---	---	---	28.0	27.0	27.5	29.5	28.0	28.5	24.5	24.5	24.5
21	---	---	---	28.0	27.0	27.5	29.5	28.5	29.0	24.5	23.5	24.0
22	---	---	---	28.5	27.0	28.0	29.0	28.0	28.5	23.5	23.0	23.5
23	---	---	---	28.5	27.5	28.0	28.5	27.5	28.0	23.5	22.5	23.0
24	---	---	---	28.0	27.5	28.0	28.0	27.5	28.0	23.0	22.5	22.5
25	---	---	---	28.5	27.5	28.0	28.0	27.5	28.0	---	---	---
26	---	---	---	28.5	27.5	27.5	28.5	27.5	28.0	---	---	---
27	---	---	---	28.0	27.5	28.0	28.5	27.5	28.0	---	---	---
28	---	---	---	27.5	27.0	27.5	29.0	27.5	28.5	---	---	---
29	---	---	---	28.0	27.0	27.5	29.5	28.0	28.5	---	---	---
30	---	---	---	29.0	27.5	28.0	30.0	28.5	29.0	---	---	---
31	---	---	---	29.5	28.0	28.5	29.5	28.0	29.0	---	---	---

YAZOO RIVER BASIN

207

07287500 YAZOO RIVER AT YAZOO CITY, MS
(National water quality surveillance system station)

LOCATION.--Lat 32°51'29", long 90°26'12", in SE¼ sec.30, T.12 N., R.2 W., Choctaw Meridian, Yazoo County, Hydrologic Unit 08030206, at downstream side of bridge on U.S. Highway 49 W., 1.0 mi (1.6 km) northwest of Yazoo City, and at mile 75.6 (121.6 km).

DRAINAGE AREA.--8,900 mi² (23,051 km²).

PERIOD OF RECORD.--Water years 1974 to current year.

REMARKS.--Stage-discharge relation based on intermittent discharge measurements. Samples collected 1.25 mi (2.0 km) downstream of bridge.

COOPERATION.--Discharge measurements were furnished by Corps of Engineers.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCTI- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE, WATER (DEG C)	TUR- BID- ITY (NTU)	OXYGEN, DTS- SOLVED (MG/L)	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)
OCT									
03...	1000	E8000	80	6.9	26.0	55	6.9	13	K9000
19...	1100	6700	86	6.6	18.0	75	8.5	82	--
NOV									
07...	1000	E7700	85	7.4	18.0	60	8.0	19	K38
20...	1100	E7500	82	7.0	16.0	65	8.2	7	250
DEC									
04...	1000	E9100	90	7.2	13.5	80	8.9	33	--
20...	1030	E9400	80	6.8	9.5	250	7.3	70	3000
JAN									
03...	0900	E9500	61	7.0	7.0	250	10.6	48	1400
17...	1100	E16900	60	6.8	3.0	200	11.6	56	460
22...	1030	E18300	48	7.2	9.0	390	9.6	71	640
FEB									
20...	1430	E12900	62	7.3	5.0	250	11.2	200	500
MAR									
06...	0930	E14000	59	6.5	11.0	200	9.0	36	K1400
22...	1100	12200	70	6.7	15.0	350	8.3	31	K140
APR									
06...	1200	12800	61	6.4	16.0	250	7.8	--	710
18...	1100	E17500	56	6.8	20.0	250	5.0	38	--
MAY									
02...	1430	E15200	70	6.6	19.5	100	7.2	29	K90
16...	1100	E14500	71	6.4	21.5	150	6.0	52	K90
JUN									
06...	1400	E13900	60	6.7	23.5	150	5.6	21	3700
18...	1200	E13300	70	6.8	22.0	100	6.7	31	K53
JUL									
05...	1400	E12500	75	6.7	23.0	100	7.1	--	--
19...	1000	E12500	96	6.8	23.0	150	4.9	36	--
AUG									
08...	1530	10800	70	6.8	28.5	100	6.3	15	--
20...	1400	E10800	72	6.8	28.0	55	6.5	26	--
SEP									
06...	1400	10200	73	7.2	29.0	45	5.9	25	--

YAZOO RIVER BASIN

07287500 YAZOO RIVER AT YAZOO CITY, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

	SILICA, DIS- SOLVED (MG/L AS SIC2)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)	SOLIDS, DIS- SOLVED (TONS PER DAY)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDED (MG/L)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N)
OCT									
03...	5.5	56	.08	--	169	.20	.03	.72	.75
19...	5.4	62	.08	1120	233	.26	.04	.59	.63
NOV									
07...	5.0	67	.09	--	26	.12	.14	.44	.58
20...	5.6	61	.08	--	54	.12	.07	.47	.54
DEC									
04...	6.3	63	.09	--	391	.26	.14	.86	1.0
20...	6.7	63	.09	--	231	.41	.55	.95	1.5
JAN									
03...	6.3	55	.07	--	420	.66	.21	.48	.69
17...	5.8	60	.08	--	206	.43	.00	.88	.88
22...	4.5	54	.07	--	386	.28	.01	1.5	1.5
FEB									
20...	6.3	67	.09	--	292	.39	.16	.52	.68
MAR									
06...	6.1	62	.08	--	222	.35	.15	.85	1.0
22...	6.3	66	.09	2170	365	.39	.20	.78	.98
APR									
06...	6.3	74	.10	2560	207	.41	.13	.86	.99
18...	5.5	44	.06	--	203	.44	.13	.87	1.0
MAY									
02...	6.1	54	.07	--	47	.50	.06	.92	.98
16...	6.2	50	.07	--	128	.58	.06	.80	.86
JUN									
06...	6.3	43	.06	--	318	.68	.14	.96	1.1
18...	6.1	46	.06	--	193	.36	.04	.69	.73
JUL									
05...	6.5	56	.08	--	240	.17	.00	.80	.80
19...	7.2	66	.09	--	220	.69	.05	.90	.95
AUG									
08...	6.5	72	.10	2100	199	.32	.26	.30	.56
20...	6.0	64	.09	--	80	.35	.07	.36	.43
SEP									
06...	5.7	60	.08	1650	43	.24	.05	.33	.38
						OIL AND GREASE, TOTAL RECOV. GRAVI- METRIC (MG/L)	CHLOR-A PHYTO- PLANK- TON CHROMO- FLUOROM (UG/L)	CHLOR-B PHYTO- PLANK- TON CHROMO- FLUOROM (UG/L)	
DATE	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, TOTAL (MG/L AS P)	IRON, TOTAL RECOV- FRACTION (UG/L AS FE)	CARBON, ORGANIC TOTAL (MG/L AS C)				
OCT									
03...	.95	4.2	.120	6200	4.6	0	1.96	.000	
19...	.89	3.9	.260	7100	5.5	0	2.33	.000	
NOV									
07...	.70	3.1	.180	7000	4.9	0	3.48	.000	
20...	.66	2.9	.120	6700	4.7	0	1.98	.000	
DEC									
04...	1.3	5.6	.320	7600	5.6	0	.940	.000	
20...	1.9	8.5	.590	17000	8.0	0	.000	.000	
JAN									
03...	1.4	6.0	.230	22000	13	0	.000	.000	
17...	1.3	5.8	.300	13000	11	0	.000	.000	
22...	1.8	7.9	.710	730	25	0	.000	.000	
FEB									
20...	1.1	4.7	.290	14000	8.8	0	1.66	.000	
MAR									
06...	1.4	6.0	.390	19000	12	0	.000	.000	
22...	1.4	6.1	.470	21000	10	1	.000	.000	
APR									
06...	1.4	6.2	.470	15000	11	0	.000	.000	
18...	1.4	6.4	.350	20000	10	0	1.60	.000	
MAY									
02...	1.5	6.6	.740	9600	7.7	0	.760	.000	
16...	1.4	6.4	.280	12000	9.8	22	.000	.000	
JUN									
06...	1.8	7.9	.520	16000	11	2	.000	.000	
18...	1.1	4.8	.310	8600	8.3	0	.220	.000	
JUL									
05...	.97	4.3	.280	7900	--	0	.000	.000	
19...	1.6	7.3	.360	9600	7.5	0	.000	.000	
AUG									
08...	.88	3.9	.320	8200	17	0	.000	.000	
20...	.78	3.5	.110	3500	5.6	0	1.40	.000	
SEP									
06...	.62	2.7	.160	4600	4.5	1	.000	.000	

YAZOO RIVER BASIN

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07287500 YAZOO RIVER AT YAZOO CITY, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA)	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L AS MG)	SODIUM, TOTAL RECOV- ERABLE (MG/L AS NA)	POTAS- SIUM, TOTAL RECOV- ERABLE (MG/L AS K)	BICAR- BONATE (MG/L AS HCO3)	CAR- BONATE (MG/L AS CO3)	ALKA- LITY (MG/L AS CACO3)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2)
OCT 03...	7.1	3.3	4.4	2.5	37	0	30	7.5
JAN 03...	35	11	11	2.5	21	0	17	3.4
APR 06...	5.6	4.4	3.3	4.5	32	0	26	20
JUL 05...	5.5	3.4	3.4	2.6	24	0	20	7.7

DATE	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	ARSENIC TOTAL (UG/L AS AS)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PR)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)
OCT 03...	8.5	3.8	2	3	<10	57	<.5	30
JAN 03...	6.6	3.1	3	1	20	20	<.5	50
APR 06...	6.2	3.3	4	3	10	20	.5	60
JUL 05...	6.2	2.7	4	1	40	8	<.5	50

YAZOO RIVER BASIN

07287500 YAZOO RIVER AT YAZOO CITY, MS--Continued
 PESTICIDE ANALYSES, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	PCB, TOTAL (UG/L)	NAPH- THA- LFNES, POLY- CHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLOR- DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)	DI- AZINON, TOTAL (UG/L)	DI- ELDRIN, TOTAL (UG/L)
OCT 03...	.0	.00	.00	.0	.00	.00	.00	.00	.00
JAN 03...	.0	.00	.00	.0	.04	.00	.13	.00	.02
APR 06...	.0	.00	.00	.0	.00	.00	.04	.00	.00
JUL 05...	--	--	--	--	--	--	--	--	--

DATE	ENDOS- SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTA- CHLOR, TOTAL (UG/L)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALA- THION, TOTAL (UG/L)	METH- OXY- CHLOR, TOTAL (UG/L)	METHYL PARA- THION, TOTAL (UG/L)
OCT 03...	.00	.00	.00	.00	.00	.00	.00	.00	.00
JAN 03...	.00	.01	.00	.00	.00	.00	.00	.00	.00
APR 06...	.00	.00	.00	.00	.00	.00	.00	.00	.00
JUL 05...	--	--	--	--	--	--	--	--	--

DATE	METHYL TRI- THION, TOTAL (UG/L)	MIREX, TOTAL (UG/L)	PARA- THION, TOTAL (UG/L)	PER- THANE TOTAL (UG/L)	TCX- APHENF, TOTAL (UG/L)	TOTAL TRI- THION (UG/L)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
OCT 03...	.00	.00	.00	.00	0	.00	.00	.04	.00
JAN 03...	.00	.00	.00	.00	0	.00	.01	.01	.00
APR 06...	.00	.00	.00	.00	0	.00	.02	.01	.00
JUL 05...	--	--	--	--	--	--	.00	.00	.00

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	MOIS- TURE CONTENT DRY WT. (% OF TOTAL)	C.O.D. TOTAL IN BOTTOM MA- TERIAL (MG/KG)	NITRO- GEN, NH4 + ORG. TGT IN BOT MAT (MG/KG AS N)	ARSENIC TOTAL IN ROT- TOM MA- TERIAL (UG/G AS AS)	CADMIUM RECQV. FM BOT- TOM MA- TERIAL (UG/G AS CO)	CHRO- MIUM, RECQV. FM ROT- TOM MA- TERIAL (UG/G)	LEAD, RECQV. FM BOT- TOM MA- TERIAL (UG/G AS PB)	MERCURY RECQV. FM BOT- TOM MA- TERIAL (UG/G AS HG)	ZINC, RECQV. FM BOT- TOM MA- TERIAL (UG/G AS ZN)	PHOS- PHORUS, RECQV. FM BOT- TOM MA- TERIAL (MG/KG AS P)	OIL AND GREASE, TOT. IN ROT MAT GRAVI- METRIC (MG/KG)
OCT 03...	19	3200	460	0	<10	<10	<10	.00	<10	230	0

07288500 BIG SUNFLOWER RIVER AT SUNFLOWER, MS

LOCATION.--Lat 33°32'50", long 90°32'35", in NE¼ sec.6, T.19 N., R.3 W., Choctaw Meridian, Sunflower County, Hydrologic Unit 08030207, near right bank on downstream side of highway bridge, 0.5 mi (0.8 km) northwest of Sunflower, 2.5 mi (4.0 km) downstream from Jones Bayou, and 19.0 mi (30.6 km) upstream from Quiver River.

DRAINAGE AREA.--767 mi² (1,987 km²).

PERIOD OF RECORD.--October 1935 to current year in reports of Geological Survey. Prior to October 1938 monthly discharge only published in WSP 1311. February 1918 to September 1935 (gage heights only) in reports of Corps of Engineers, Vicksburg district. Prior to Oct. 1, 1972, published as Sunflower River at Sunflower, Miss.

REVISED RECORDS.--WSP 1211: Drainage area. WRD Miss. 1970: 1969(M).

GAGE.--Water-stage recorder. Datum of gage is 92.95 ft (28.331 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to Nov. 28, 1934, nonrecording gage on upstream side of bridge at datum 93.00 ft (28.346 m) lower. Nov. 28, 1934, to June 30, 1947, nonrecording gage on upstream side of bridge at present datum.

REMARKS.--Diversion for irrigation of about 5,000 acres (20.2 km²) and withdrawal of an average of about 6 ft³/s (0.17 m³/s) for industrial use above station. At times streamflow is augmented by waste irrigation water which is pumped from wells.

COOPERATION.--Results of 29 discharge measurements during 1978 water year and 20 discharge measurements during 1979 water year and records of daily discharge furnished by Corps of Engineers; records reviewed by Geological Survey.

AVERAGE DISCHARGE.--44 years, 1,056 ft³/s (29.91 m³/s), 18.70 in/yr (475 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 15,000 ft³/s (425 m³/s) Mar. 18, 1973, gage height, 28.37 ft (8.647 m); minimum discharge, 81 ft³/s (2.29 m³/s) Aug. 16, 1954, Aug. 9, 10, 1956; minimum gage height, 0.78 ft (0.238 m) Oct. 15, 1967.

EXTREMES FOR WATER YEAR 1978.--Maximum observed discharge, 7,000 ft³/s (198 m³/s) May 10, gage height, 24.81 ft (7.562 m); minimum daily discharge, 73 ft³/s (2.07 m³/s) Nov. 1.

EXTREMES FOR CURRENT YEAR.--Maximum discharge 7,470 ft³/s (212 m³/s) Apr. 14, gage height, 25.04 ft (7.632 m); minimum discharge, 63 ft³/s (1.78 m³/s) Oct. 11.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	860	73	4440	220	3030	577	187	887	601	393	480	376
2	1020	88	5100	208	2420	639	179	2970	623	480	500	358
3	1110	180	5240	202	1910	996	174	4130	1660	498	486	313
4	1070	315	5120	190	1450	1320	171	4600	2070	465	464	265
5	915	439	4820	179	1090	1370	170	4600	2350	419	422	222
6	710	520	4340	174	863	1220	166	4360	2070	422	414	189
7	510	508	3700	168	676	976	161	4620	1980	430	408	167
8	463	453	2990	190	563	786	154	5870	3070	394	366	152
9	691	381	2360	460	485	612	150	6680	3630	376	375	142
10	915	308	1780	1040	430	484	161	6910	3730	366	411	138
11	873	238	1300	1270	393	391	217	6850	3450	355	414	133
12	730	190	962	1260	383	335	475	6550	2920	336	422	126
13	567	152	800	1100	556	312	597	6410	2350	326	446	120
14	415	123	798	885	751	502	540	6010	1830	343	503	118
15	302	104	1840	712	761	1060	422	5470	1320	739	548	130
16	214	94	2080	804	681	1570	318	4760	963	1120	532	152
17	174	90	2080	1660	567	1770	249	4080	647	1060	485	156
18	169	162	1900	2500	463	1540	346	3380	485	863	428	142
19	117	520	1600	2860	382	1430	535	2640	412	745	384	125
20	104	837	1520	2740	273	1100	604	2060	390	513	345	111
21	92	1230	1050	2410	269	798	528	1570	389	403	313	100
22	82	1750	720	2060	241	737	421	1210	482	348	292	93
23	78	1820	550	1660	228	417	324	969	715	324	281	88
24	78	1700	445	1800	218	340	250	851	778	310	273	86
25	85	1420	377	2930	217	294	198	833	747	300	265	82
26	88	1100	322	4170	212	261	166	808	632	300	260	79
27	87	782	290	4830	210	241	146	771	518	321	260	78
28	82	585	265	4860	360	320	133	724	337	376	253	81
29	81	837	245	4600	---	204	125	673	376	450	258	76
30	79	2820	240	4230	---	196	143	683	347	470	303	79
31	78	---	227	3680	---	191	---	649	---	460	360	---
TOTAL	12839	19819	59501	56092	20082	22989	8410	103568	41872	14705	11951	4477
MEAN	414	661	1919	1809	717	742	260	3341	1396	474	386	149
MAX	1110	2820	5240	4860	3030	1770	604	6910	3730	1120	548	376
MIN	78	73	227	168	210	191	125	649	337	300	253	76
CFSM	.54	.86	2.50	2.36	.94	.67	.37	4.36	1.82	.62	.50	.19
IN.	.62	.96	2.89	2.72	.97	1.11	.41	5.02	2.03	.71	.58	.22

CAL YR 1977 TOTAL 273985 MEAN 751 MAX 5800 MIN 73 CFSM .98 IN 13.29
WTR YR 1978 TOTAL 376305 MEAN 1031 MAX 6910 MIN 73 CFSM 1.34 IN 18.25

YAZOO RIVER BASIN

07288500 BIG SUNFLOWER RIVER AT SUNFLOWER, MS--Continued

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	74	72	218	3730	3340	3410	2460	3910	4140	488	1270	432
2	73	72	204	5760	2620	2990	4380	3330	4060	437	929	520
3	71	72	233	6350	2010	2990	5850	2920	4100	405	742	580
4	70	71	1200	6460	1540	4610	6480	3380	4060	384	632	605
5	70	71	2210	6300	1220	5280	6660	5040	3860	362	600	607
6	72	73	2460	6140	1160	5450	6550	5640	3820	359	603	538
7	71	75	2530	6680	2130	5310	6220	5750	3460	512	719	464
8	70	78	2760	7006	3140	4940	5950	5730	2840	770	839	403
9	70	77	3250	7000	3480	4350	5760	5210	2200	818	835	356
10	70	76	4050	6790	3250	3640	5540	4620	1690	1010	761	304
11	70	76	4280	6430	2780	2940	5320	4060	1160	1700	711	365
12	72	77	4160	5920	2300	2400	6310	3870	812	2380	749	247
13	74	80	3850	5250	1820	1860	7180	3840	634	2790	761	229
14	75	82	3430	4460	1350	1410	7450	5610	533	2960	723	223
15	70	84	2890	3670	961	1040	7390	3290	473	3040	647	217
16	73	96	2380	2900	736	780	7120	2910	437	2920	571	211
17	72	115	1900	2260	605	625	6690	2480	418	2570	510	200
18	72	130	1490	1900	468	539	6150	2030	398	2190	468	200
19	73	142	1120	1820	460	504	5440	1580	387	1800	440	211
20	73	133	867	3600	458	473	4620	1200	382	1330	424	310
21	72	122	702	5760	637	444	3710	913	462	795	412	1080
22	72	119	612	6540	1140	441	2930	738	1040	649	421	1690
23	72	117	525	6830	1740	1640	2440	761	1550	546	473	1860
24	71	115	479	6990	2560	2700	3080	866	1620	486	540	1810
25	70	108	417	6880	3440	2990	4520	1610	1380	455	596	1610
26	71	107	365	6640	3920	2870	5160	1150	1170	521	583	1280
27	72	145	326	6380	4040	2550	5320	1210	994	810	536	913
28	74	203	295	6020	3810	2150	5240	1310	833	1230	500	651
29	74	210	274	5510	---	1680	4960	1900	693	1630	491	474
30	72	211	305	4860	---	1240	4510	3160	564	1710	474	334
31	72	---	1100	4120	---	1210	---	3960	---	1570	456	---
TOTAL	2231	3209	50842	166950	57115	75546	161390	91378	50190	39629	19416	18924
MEAN	72.0	107	1640	5385	2040	2437	5380	2948	1673	1278	626	631
MAX	75	211	4280	7000	4040	5450	7450	5750	4140	3040	1270	1860
MIN	70	71	204	1820	458	444	2440	738	382	359	412	200
CFSM	.09	.14	2.14	7.02	2.66	3.18	7.01	3.84	2.18	1.67	.82	.82
IN.	.11	.16	2.47	8.10	2.77	3.66	7.83	4.43	2.43	1.92	.94	.92
CAL YR 1978	TOTAL	340428	MEAN	933	MAX	6910	MIN	70	CFSM	1.22	IN	16.51
WTR YR 1979	TOTAL	736820	MEAN	2019	MAX	7450	MIN	70	CFSM	2.63	IN	35.74

07288800 YAZOO RIVER AT REDWOOD, MS
(National stream-quality accounting network station)
(National water quality surveillance system station)

LOCATION.--Lat 32°29'14", long 90°49'02", on line between secs.1 and 4, T.17 N., R.4 E., Washington Meridian, Warren County, Hydrologic Unit 08030208, at downstream side of Illinois Central Gulf Railroad bridge, 0.6 mi (1.0 km) downstream from U.S. Highway 61, 1.0 mi (1.6 km) northwest of Redwood, and at mile 16.7 (26.9 km).

DRAINAGE AREA.--12,603 mi² (32,642 km²).

PERIOD OF RECORD.--Water years 1961-62, 1972 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: October 1978 to current year.

WATER TEMPERATURE: October 1978 to current year.

INSTRUMENTATION.--Specific conductance/temperature recorder since October 1978.

REMARKS.--Stage-discharge relation based on intermittent discharge measurements. Specific conductance listed as 30 micromhos represent 30 micromhos or less due to instrument limitations. Interruptions in the record were due to malfunctions of the instrument.

COOPERATION.--Selected pesticide analyses were performed by U.S. Environmental Protection Agency.

EXTREMES OUTSIDE PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 317 micromhos Sept. 1, 1977; minimum, 65 micromhos Jan. 16, 1973, May 16, 1978.

WATER TEMPERATURES: Maximum, 30.5°C. July 11, 1978; minimum, 2.5°C. Jan. 23, 1978.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURES: Maximum, 30.0°C. Aug. 10; minimum, 1.5°C. Jan.13-16.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE, WATER (DEG C)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVFL) (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)
OCT									
03...	1600	E12000	95	7.2	25.0	80	6.4	10	4800
19...	1300	E9200	105	6.8	19.5	70	8.2	75	--
NOV									
07...	1430	E9700	92	8.4	18.5	65	8.5	20	230
20...	1330	F7800	95	6.9	17.0	55	8.5	7	350
DEC									
04...	1100	E9200	110	7.3	14.0	50	8.7	22	K180
20...	1330	E12000	87	6.9	11.0	200	9.3	62	K1600
JAN									
03...	1200	25000	85	7.4	8.0	300	10.2	50	1300
17...	1300	23000	64	7.1	4.0	230	10.3	52	430
22...	1230	38800	69	7.3	9.0	370	8.9	73	1100
FEB									
20...	1300	E22900	74	7.8	5.5	250	11.2	16	520
MAR									
06...	1600	E22000	61	6.7	11.0	200	11.1	38	500
22...	1300	19800	68	6.8	15.0	250	9.3	20	K69
APR									
03...	1630	E22000	70	6.7	16.0	200	8.2	33	--
18...	1400	E24000	70	7.4	21.0	300	6.3	38	--
MAY									
01...	1700	E26000	78	6.6	20.0	250	5.1	25	K52
16...	1330	E40000	81	6.5	22.0	150	4.2	51	K29
JUN									
05...	1600	34200	83	6.7	23.5	150	4.9	25	K140
18...	1400	E22000	75	6.8	22.5	100	6.5	32	K44
JUL									
03...	1500	E15000	70	6.6	27.5	100	5.9	24	--
19...	1300	E20000	120	7.0	23.0	200	5.6	41	--
AUG									
07...	1530	E16800	70	6.9	29.0	85	6.0	11	--
20...	1200	E16500	90	7.1	28.0	55	6.6	32	--
SEP									
05...	1400	15100	122	7.7	29.0	25	5.6	17	--

YAZOO RIVER BASIN

07288800 YAZOO RIVER AT REDWOOD, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	SILTCA, DIS- SOLVED (MG/L AS SIC2)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)	SOLIDS, DIS- SOLVED (TONS PER DAY)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDED (MG/L)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N)
OCT									
03...	5.7	66	.09	--	200	.24	.03	.75	.78
19...	6.0	75	.10	--	141	.29	.03	.86	.49
NOV									
07...	5.3	72	.10	--	211	.12	.06	.49	.55
20...	6.1	60	.08	--	38	.19	.05	.41	.86
DEC									
04...	6.6	75	.10	--	60	.25	.09	.52	.61
20...	6.2	64	.09	--	21	.44	.16	.83	.99
JAN									
03...	6.4	78	.11	5270	342	.80	.26	1.3	1.6
17...	5.6	58	.08	3600	123	.51	.19	.77	.96
22...	4.9	62	.08	6500	560	.46	.26	1.6	1.9
FEB									
20...	6.1	62	.08	--	265	.47	.15	.72	.87
MAR									
06...	6.4	41	.06	--	120	.38	.15	1.2	1.3
22...	6.1	62	.08	3320	31	.38	.14	.64	.78
APR									
03...	6.9	60	.08	--	57	.47	.07	.60	.67
18...	5.3	56	.08	--	97	.35	.14	.86	1.0
MAY									
01...	6.3	62	.08	--	102	.42	.07	.89	.96
16...	6.2	60	.08	--	37	.52	.08	.90	.98
JUN									
05...	6.5	64	.09	5910	272	.62	.24	1.1	1.3
18...	6.1	52	.07	--	104	.40	.04	.69	.73
JUL									
03...	6.7	64	.09	--	110	.39	.00	.64	.64
19...	7.3	74	.10	--	329	.89	.04	.96	1.0
AUG									
07...	5.9	41	.06	--	121	.35	.04	.41	.45
20...	6.5	71	.10	--	55	.39	.10	.33	.43
SEP									
05...	7.4	86	.12	3510	51	.25	.03	.34	.37

DATE	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, TOTAL (MG/L AS P)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	CARBON, ORGANIC TOTAL (MG/L AS C)	OIL AND GREASE, TOTAL RECOV. GRAVI- METRIC (MG/L)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)
OCT								
03...	1.0	4.5	.240	5300	5.2	0	1.96	.000
19...	.78	3.5	.220	5300	13	0	2.68	.000
NOV								
07...	.67	3.0	.180	7900	5.8	0	4.26	.000
20...	.65	2.9	.120	5600	4.3	0	11.0	.000
DEC								
04...	.86	3.8	.150	2300	6.3	0	3.01	.000
20...	1.4	6.3	.370	12000	9.0	0	.000	.000
JAN								
03...	2.4	11	.680	31000	14	0	.000	.000
17...	1.5	6.5	.290	12000	9.4	0	.000	.000
22...	2.4	10	.620	22000	15	0	--	--
FEB								
20...	1.3	5.9	.470	15000	9.9	0	.000	.000
MAR								
06...	1.7	7.4	.450	17000	11	0	.000	.000
22...	1.2	5.1	.270	12000	9.0	1	2.33	.000
APR								
03...	1.1	5.0	.320	10000	6.9	0	.000	.000
18...	1.4	6.0	.500	21000	10	0	.000	.000
MAY								
01...	1.4	6.1	.380	12000	7.1	1	.350	.000
16...	1.5	6.6	.410	13000	11	140	2.64	.000
JUN								
05...	1.9	8.5	.490	16000	13	2	.000	.000
18...	1.1	5.0	.290	7600	7.8	0	.000	.000
JUL								
03...	1.0	4.6	.310	6900	5.1	0	1.00	.000
19...	1.9	8.4	.430	14000	7.6	0	.000	.000
AUG								
07...	.80	3.5	.200	--	11	0	.000	.000
20...	.82	3.6	.130	3400	5.4	0	2.51	.000
SEP								
05...	.62	2.7	.110	2700	3.3	0	2.32	.000

YAZOO RIVER BASIN

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07288800 YAZOO RIVER AT REDWOOD, MS--Continued
WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	STREP- TOCUCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD- NESS (MG/L AS CAC03)	HARD- NESS, NONCAR- BONATE (MG/L CAC03)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LITY (MG/L AS CAC03)	SULFATE DIS- SOLVED (MG/L AS SO4)
OCT 03...	5000	32	0	8.3	2.8	5.3	25	.4	2.1	35	10
NOV 07...	120	31	0	7.9	2.7	6.1	28	.5	2.0	31	9.2
DEC 04...	370	34	4	8.4	3.2	7.1	29	.5	2.7	30	9.8
JAN 03...	10000	35	4	9.2	3.0	4.0	18	.3	3.5	31	8.8
FEB 22...	2700	30	7	8.0	2.4	3.0	16	.2	2.7	23	5.9
MAR 06...	3700	21	1	5.3	1.9	3.4	24	.3	2.2	20	7.5
APR 03...	260	23	0	5.8	2.1	3.9	25	.4	2.2	25	6.3
MAY 01...	140	30	0	7.7	2.5	4.8	24	.4	2.8	30	4.5
JUN 05...	3200	30	2	7.9	2.5	3.3	18	.3	2.5	28	5.5
JUL 03...	--	26	8	6.7	2.2	4.1	24	.4	2.1	18	7.0
AUG 07...	290	24	0	6.2	2.1	3.6	23	.3	2.1	25	8.4
SEP 05...	330	46	4	12	4.0	5.7	20	.4	2.1	42	7.5

DATE	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SOLIDS, SUM OF CONSTITUENTS, DIS- SOLVED (MG/L)	NITRO- GEN, NH4 + ORG. SUSP. TOTAL (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC DIS. (MG/L AS N)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	PHYTO- PLANK- TON, TOTAL (CELLS PER ML)	SEDI- MENT, SUS- PENDED (MG/L)	SEDI- MENT DIS- CHARGE, SUS- PENDED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT 03...	5.3	.1	61	.59	.19	.030	630	213	--	99
NOV 07...	5.2	.1	57	.00	.63	.040	--	316	--	--
DEC 04...	6.2	.1	62	.33	.28	.030	--	287	--	--
JAN 03...	3.6	.1	58	.77	.83	.100	1400	657	44300	--
FEB 22...	2.5	.1	43	.30	1.6	.060	--	454	47600	94
MAR 06...	2.4	.1	41	.85	.45	.050	--	402	--	97
APR 03...	3.2	.0	46	.00	.67	.050	1000	196	--	93
MAY 01...	3.2	.1	50	.04	.92	.080	--	215	--	98
JUN 05...	3.1	.1	48	.62	.68	.040	720	339	31300	98
JUL 03...	4.0	--	44	.00	.67	.040	0	272	--	98
AUG 07...	3.0	.1	46	.01	.44	.040	0	168	--	--
SEP 05...	4.8	.1	70	.04	.33	.040	3400	76	3100	95

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	PCH, TOTAL (UG/L)	PCH, TOTAL IN POT- TOM MA- TERIAL (UG/KG)	NAPH- THAL- LENES, POLY- CHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN POT- TOM MA- TERIAL (UG/KG)	CHLOR- DANE, TOTAL (UG/L)	CHLOR- DANE, TOTAL IN POT- TOM MA- TERIAL (UG/KG)	DDT, TOTAL (UG/L)	DDT, TOTAL IN POT- TOM MA- TERIAL (UG/KG)	P,P' DDT, TOTAL IN POT- TOM MA- TERIAL (UG/KG)	DDE, TOTAL (UG/L)
OCT 03...	.0	--	.00	.00	--	.0	--	.00	--	--	.00
JAN 03...	.0	--	.00	.00	--	.0	--	.05	--	--	.00
MAR 06...	ND	ND	--	ND	ND	ND	ND	ND	ND	3.1	ND
APR 03...	ND	ND	.00	ND	ND	ND	ND	ND	--	19	ND
MAY 01...	--	--	--	ND	--	ND	--	ND	--	--	ND
JUN 05...	ND	ND	--	ND	ND	ND	ND	ND	--	5.2	ND
JUL 03...	.1	--	.00	.00	--	.0	--	.01	--	--	.00

YAZOO RIVER BASIN

07288800 YAZOO RIVER AT REDWOOD, MS--Continued

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	DDE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	P,P' DDE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	P,P' DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	P,P' DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	P,P' DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- AZINON, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	DI- AZINON, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- EPOXIN, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	DI- EPOXIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
CCT 03...	--	--	.00	--	--	--	.00	--	.00	--
JAN 03...	--	--	.12	--	--	--	.00	--	.03	--
MAR 06...	ND	1.9	ND	ND	--	3.5	ND	ND	ND	ND
APR 03...	--	10	ND	--	--	10	ND	ND	ND	ND
MAY 01...	--	--	ND	--	--	--	--	--	ND	--
JUN 05...	ND	--	--	--	.05	2.6	ND	ND	ND	.3
JUL 03...	--	--	.01	--	--	--	.00	--	.00	--
DATE	ENDOS- SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR, TOTAL (UG/L)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR, TOTAL EPOXIDE TOT. IN BOTTOM MATERIAL (UG/L)	HEPTA- CHLOR, TOTAL EPOXIDE TOT. IN BOTTOM MATERIAL (UG/KG)	LINDANE TOTAL (UG/L)
CCT 03...	.00	.00	--	.00	--	.00	--	.00	--	.00
JAN 03...	.00	.01	--	.00	--	.00	--	.00	--	.00
MAR 06...	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
APR 03...	.00	ND	ND	ND	ND	ND	ND	ND	ND	ND
MAY 01...	--	ND	--	--	--	ND	--	ND	--	ND
JUN 05...	--	ND	ND	ND	ND	ND	ND	ND	ND	ND
JUL 03...	.00	.00	--	.00	--	.00	--	.00	--	.00
DATE	LINDANE TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	MALA- THION, TOTAL (UG/L)	MALA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	METH- OXY- CHLOR, TOTAL (UG/L)	METH- OXY- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	METHYL PARA- THION, TOTAL (UG/L)	METHYL PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	METHYL TRI- THION, TOTAL (UG/L)	METHYL TRI- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	MIREX, TOTAL (UG/L)
CCT 03...	--	.00	--	.00	--	.00	--	.00	--	.00
JAN 03...	--	.00	--	.00	--	.00	--	.00	--	.00
MAR 06...	ND	ND	ND	ND	ND	ND	ND	ND	ND	--
APR 03...	ND	ND	ND	ND	ND	ND	ND	ND	ND	.00
MAY 01...	--	--	--	ND	--	--	--	--	--	--
JUN 05...	ND	ND	ND	ND	ND	ND	ND	ND	ND	--
JUL 03...	--	.00	--	.00	--	.00	--	.00	--	.00
DATE	PARA- THION, TOTAL (UG/L)	IN BOT- TOM MA- TERIAL (UG/KG)	PER- THANE TOTAL (UG/L)	TOX- APHENE, TOTAL (UG/L)	IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL TRI- THION (UG/L)	IN BOT- TOM MA- TERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
CCT 03...	.00	--	.00	0	--	.00	--	.00	.02	.00
JAN 03...	.00	--	.00	0	--	.00	--	.02	.07	.00
MAR 06...	ND	ND	--	ND	ND	ND	ND	--	--	--
APR 03...	ND	ND	.00	ND	ND	ND	ND	.01	.01	.00
MAY 01...	--	--	--	ND	--	--	--	--	--	--
JUN 05...	ND	ND	--	ND	28	ND	ND	--	--	--
JUL 03...	.00	--	.00	0	--	.00	--	.00	.00	.00

YAZOO RIVER BASIN

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07288800 YAZOO RIVER AT REDWOOD, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA)	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L AS MG)	SODIUM, TOTAL RECOV- ERABLE (MG/L AS NA)	POTAS- SIUM, TOTAL RECOV- ERABLE (MG/L AS K)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC DIS- SOLVED (UG/L AS AS)	BARIUM, TOTAL RECOV- ERABLE (UG/L AS BA)	BARIUM, SUS- PENDED RECOV- ERABLE (UG/L AS BA)	BARIUM, DIS- SOLVED (UG/L AS BA)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CADMIUM SUS- PENDED RECOV- ERABLE (UG/L AS CD)
OCT 03...	8.3	4.0	5.4	2.7	2	1	100	0	100	1	0
JAN 03...	13	4.4	4.2	3.2	5	1	100	100	0	4	0
APR 03...	5.2	3.3	3.4	3.3	1	0	200	200	0	6	0
JUL 03...	6.5	3.5	4.2	2.5	2	1	100	60	40	5	2

DATE	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	CHRO- MIUM, SUS- PENDED RECOV- ERABLE (UG/L AS CR)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	COBALT, TOTAL RECOV- ERABLE (UG/L AS CO)	COBALT, SUS- PENDED RECOV- ERABLE (UG/L AS CO)	COBALT, DIS- SOLVED (UG/L AS CO)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	COPPER, SUS- PENDED RECOV- ERABLE (UG/L AS CU)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, SUS- PENDED RECOV- ERABLE (UG/L AS FE)
OCT 03...	1	10	10	0	3	2	1	6	2	4	5200
JAN 03...	4	20	19	1	15	14	1	15	8	7	31000
APR 03...	6	20	10	10	2	1	1	11	0	11	9700
JUL 03...	3	40	20	<10	1	0	1	9	3	6	5400

DATE	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PP)	LEAD, SUS- PENDED RECOV- ERABLE (UG/L AS PB)	LEAD, DIS- SOLVED (UG/L AS PR)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, SUS- PENDED RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY SUS- PENDED RECOV- ERABLE (UG/L AS HG)	MERCURY DIS- SOLVED (UG/L AS HG)	SELF- NITRUM, TOTAL (UG/L AS SE)
OCT 03...	110	4	1	3	210	210	0	<.5	.0	<.5	0
JAN 03...	250	100	81	19	750	680	70	<.5	.0	<.5	0
APR 03...	350	6	0	6	150	130	20	.5	.0	.5	0
JUL 03...	550	9	59	35	170	150	20	<.5	.0	<.5	0

DATE	SELE- NIUM, SUS- PENDED TOTAL (UG/L AS SF)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	SILVER, TOTAL RECOV- ERABLE (UG/L AS AG)	SILVER, SUS- PENDED RECOV- ERABLE (UG/L AS AG)	SILVER, DIS- SOLVED (UG/L AS AG)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	ZINC, SUS- PENDED RECOV- ERABLE (UG/L AS ZN)	ZINC, DIS- SOLVED (UG/L AS ZN)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C)	CARBON, ORGANIC SUS- PENDED (MG/L AS C)
OCT 03...	0	0	0	0	0	40	30	10	4.8	1.6
JAN 03...	0	0	0	0	0	110	90	20	--	--
APR 03...	0	0	0	0	0	50	40	10	13	2.0
JUL 03...	0	0	0	0	0	40	30	20	4.3	2.8

YAZOO RIVER BASIN

07288800 YAZOO RIVER AT REDWOOD, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	C.O.D. TOTAL IN CONCENTRATION CRYSTAL (% OF TOTAL)	NITROGEN GEN, NH4 + ORG. TOT IN MA- TERIAL (MG/KG AS N)	ARSENIC TOTAL IN ROT- TON MA- TERIAL (UG/G AS AS)	CADMIUM RECOV. FM ROT- TON MA- TERIAL (UG/G AS CD)	CHROMIUM RECOV. FM ROT- TON MA- TERIAL (UG/G)	LEAD, RECOV. FM ROT- TON MA- TERIAL (UG/G AS PB)	MERCURY RECOV. FM ROT- TON MA- TERIAL (UG/G AS HG)

CCT 03...	15	1700	300	0	<10	<10	<10	.00
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DATE	ZINC, RECOV. FM ROT- TON MA- TERIAL (UG/G AS ZN)	PHOSPHORUS, TOTAL IN ROT- MA- TERIAL (MG/KG AS P)	OIL AND GREASE, TCT. IN ROT MAT GRAVIMETRIC (MG/KG)	CHLOR-A PERI- PHYTON CHROMIC FLUORIM (MG/M2)	CHLOR-B PERI- PHYTON CHROMIC FLUORIM (MG/M2)	PERI- PHYTON BIOMASS TOTAL ASH DRY WEIGHT G/SQ M	PERI- PHYTON BIOMASS TOTAL DRY WEIGHT G/SQ M

CCT 03...	<10	140	0	.000	.000	2.05	2.60
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YAZOO RIVER BASIN

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07288800 YAZOO RIVER AT REDWOOD, MS--Continued

DATE TIME	OCT 3,78 1600	JAN 3,79 1200	APR 3,79 1630	JUN 5,79 1600				
TOTAL CELLS/ML	630	1400	1000	720				
DIVERSITY: DIVISION	1.6	0.5	1.1	1.3				
..CLASS	1.6	0.5	1.1	1.3				
..ORDER	1.7	0.8	1.8	1.5				
...FAMILY	1.9	0.8	2.0	1.8				
....GENUS	2.0	0.8	2.1	2.0				
ORGANISM	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT
CHLOROPHYTA (GREEN ALGAE)								
..CHLOROPHYCEAE								
...CHLOROCOCCALES								
...CHLOROCOCCACEAE								
...CHLOROCOCCUM	--	-	--	-	--	-	--	-
...COELASTRACEAE								
...COFLASTRUM	--	-	--	-	--	-	--	-
...HYDRODICTYACEAE								
...PEDIASTRUM	--	-	--	-	--	-	--	-
...OCCYSTACEAE								
...ANKISTRODESMS	--	-	--	-	29	3	52	7
...CHLORELLA	--	-	--	-	--	-	--	-
...DICTYOSPHAERIUM	--	-	--	-	--	-	--	-
...OCCYSTIS	28	5	--	-	--	-	--	-
...SCENEDESMACEAE								
...ACTINASTRUM	--	-	--	-	--	-	--	-
...CRUCIGENIA	140#	23	--	-	--	-	--	-
...SCENEDESMUS	--	-	--	-	29	3	110#	57
...TETRASTRUM	--	-	--	-	58	6	--	-
...TETRASPORALES								
...PALMELLACEAE								
...GLAUCOCYSTIS	--	-	--	-	--	-	--	-
...VOLVOCALES								
...CHLAMYDOMONADACEAE								
...CHLAMYDOMONAS	--	-	8	1	--	-	--	-
...PLATYMONAS	--	-	--	-	--	-	--	-
...VOLVOCAEAE								
...PANDORINA	--	-	--	-	230#	23	--	-
CHRYSTOPHYTA								
..BACILLARIOPHYCEAE								
...CENTRALES								
...COSCINODISCAEAE								
...CYCLOCITELLA	7	1	--	-	--	-	--	-
...MELUSIRA	280#	45	120	8	560#	55	100	14
...SKELTONEMA	--	-	--	-	--	-	--	-
...PENNALES								
...CYNPELLACEAE								
...CYNBELL	--	-	--	-	14	1	--	-
...FRAGILARIACEAE								
...FRAGILARIA	--	-	--	-	--	-	--	-
...SYNEPRA	--	-	8	1	29	3	--	-
...GOMPHOCENTRAEAE								
...GOMPHONEMA	--	-	--	-	--	-	--	-
...NAVICULACEAE								
...NAVICULA	7	1	--	-	14	1	--	-
...PLUFORSIGMA	--	-	--	-	--	-	--	-
...NITZSCHIAEAE								
...NITZSCHIA	7	1	15	1	14	1	52	7
CYANOPHYTA (BLUE-GREEN ALGAE)								
..CYANOPHYCEAE								
...CHROOCOCCALES								
...CHROOCOCCACEAE								
...AGMENELLUM	--	-	--	-	--	-	--	-
...ANACYSTIS	--	-	61	4	--	-	--	-
...HORMOGONALES								
...NESTOCACEAE								
...ANABAENA	--	-	--	-	--	-	--	-
...ANABAEOPSTIS	--	-	--	-	--	-	--	-
...OSCILLATORIACEAE								
...OSCILLATORIA	140#	23	1200#	86	--	-	--	-
...SCHIZOTHRIX	--	-	--	-	--	-	--	-
EUGLENOPHYTA (EUGLENOIDS)								
..EUGLENOPHYCEAE								
...EUGLENALS								
...EUGLENACEAE								
...EUGLENA	--	-	--	-	--	-	52	7
...PHACUS	--	-	--	-	--	-	52	7
...TRACHELOMONAS	7	1	--	-	43	4	--	-
PHYCOPHYTA (FIRE ALGAE)								
..DINOPHYCEAE								
...PERIDINIALES								
...GLENODINIAEAE								
...GLENODINUM	--	-	--	-	--	-	--	-

YAZOO RIVER BASIN

07288800 YAZOO RIVER AT REDWOOD, MS--Continued

DATE TIME	JUL 3,79 1500	AUG 7,79 1530	SEP 5,79 1400			
TCTAL CELLS/ML	0	0	3400			
DIVERSITY: DIVISION	0.0	0.0	1.4			
..CLASS	0.0	0.0	1.4			
...ORDER	0.0	0.0	2.1			
...FAMILY	0.0	0.0	2.6			
...GENUS	0.0	0.0	3.0			
ORGANISM	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT
CHLOROPHYTA (GREEN ALGAE)						
..CHLOROPHYCEAE						
...CHLOROCOCCALES						
...CHLOROCOCCACEAE						
....CHLOROCOCCUM	--	-	--	-	24	1
...COELASTRACEAE						
....COELASTRUM	--	-	--	-	140	4
...HYDRODICTYACEAE						
....PEDIASIRUM	--	-	--	-	36	1
...DUCYSTACEAE						
....ANKISTRODESMUS	--	-	--	-	30	1
....CHLORELLA	--	-	--	-	*	0
...DICTYOSPHAERIUM	--	-	--	-	24	1
....DUCYSTIS	--	-	--	-	--	-
...SCENEDESMACEAE						
....ACTINASTRUM	--	-	--	-	48	1
....CRUCIGENIA	--	-	--	-	24	1
...SCENEDESMUS	--	-	--	-	*	0
....TETRASTRUM	--	-	--	-	--	-
..TETRASHORALES						
...PALMELLACEAE						
....GLOEOPYSIIS	--	-	--	-	83	2
...VOLVOCALES						
...CHLAMYDOMONADACEAE						
....CHLAMYDOMONAS	--	-	--	-	--	-
....PLATYMONAS	--	-	--	-	*	0
...VOLVOCACEAE						
....PANDORINA	--	-	--	-	--	-
CHRYSOPHYTA						
..PACILLARIOPHYCEAE						
...CENTRALES						
...COSCINOUSCACEAE						
....CYCLOTELLA	--	-	--	-	--	-
....MELOSIRA	--	-	--	-	770#	23
...SKELETONEMA	--	-	--	-	24	1
..PENNALES						
...CYMBELLACEAE						
....CYMBELLA	--	-	--	-	--	-
...FRAGILARIACEAE						
....FRAGILARIA	--	-	--	-	*	0
...SYNEURA	--	-	--	-	36	1
...GUMPHRENIACEAE						
....GUMPHRENIUM	--	-	--	-	*	0
...NAVICULACEAE						
....NAVICULA	--	-	--	-	18	1
...PLEUROSIGMA	--	-	--	-	*	0
...NITZSCHIACEAE						
....NITZSCHIA	--	-	--	-	30	1
CYANOPHYTA (BLUE-GREEN ALGAE)						
..CYANOPHYCEAE						
...CHNOCOCCELES						
...CHROCOCCACEAE						
....AGMENELLUM	--	-	--	-	190	6
....ANACYSTIS	--	-	--	-	1200#	35
...HORMOGONIALES						
...NOSTOCACEAE						
....ANABAENA	--	-	--	-	420	12
....ANABAENOPSIS	--	-	--	-	42	1
...OSCILLATORIACEAE						
....OSCILLATORIA	--	-	--	-	--	-
...SCHIZOTHRIX	--	-	--	-	220	6
EUGLENOPHYTA (EUGLENIDS)						
..EUGLENOPHYCEAE						
...EUGLENALES						
...EUGLENACEAE						
....EUGLENA	--	-	--	-	--	-
....PHACUS	--	-	--	-	--	-
...TRACHELUMONAS	--	-	--	-	*	0
PYRRHOPHYTA (PIRE ALGAE)						
..PYRRHOPHYCEAE						
...PERIDINIALES						
...GLENODINIACEAE						
....GLENODINIUM	--	-	--	-	*	0

YAZOO RIVER BASIN

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07288800 YAZOO RIVER AT REDWOOD, MS--Continued

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	---	---	---	95	93	94	114	106	109	162	89	110
2	---	---	---	96	94	95	106	99	102	157	93	114
3	---	---	---	96	95	96	107	96	99	105	78	88
4	---	---	---	96	95	96	121	107	111	77	68	72
5	---	---	---	97	96	96	276	105	137	68	61	63
6	---	---	---	98	96	97	117	105	108	61	60	60
7	---	---	---	99	97	98	134	109	120	70	61	64
8	---	---	---	107	99	104	115	109	111	81	68	73
9	---	---	---	104	98	101	115	86	101	69	65	67
10	---	---	---	100	96	98	118	98	109	65	62	63
11	---	---	---	99	97	98	101	98	99	61	56	58
12	---	---	---	101	98	99	102	99	100	56	53	54
13	101	98	100	103	101	102	100	83	89	55	53	54
14	103	100	102	105	101	103	82	77	79	58	56	56
15	112	103	107	103	101	102	84	78	82	58	58	58
16	109	102	104	104	102	103	94	85	91	59	58	59
17	105	102	104	104	102	103	89	86	87	63	59	61
18	104	100	102	104	102	103	86	85	85	64	63	64
19	103	100	102	104	102	102	86	85	85	95	65	76
20	103	100	101	102	99	101	86	78	82	100	79	102
21	101	99	100	102	99	100	78	77	78	102	80	93
22	101	95	98	106	101	103	77	73	74	81	64	72
23	95	93	94	108	106	107	76	73	74	63	53	56
24	95	91	93	108	98	102	78	77	78	55	51	53
25	94	91	93	104	97	99	79	78	78	57	55	56
26	94	93	93	108	104	105	81	79	80	64	52	57
27	94	92	93	105	99	103	81	80	81	111	55	69
28	93	91	92	105	99	102	82	80	81	67	58	62
29	93	91	92	106	102	104	84	82	83	58	55	55
30	94	93	93	116	99	104	85	85	85	59	55	57
31	94	93	93	---	---	---	88	84	85	61	59	60
FEBRUARY			MARCH			APRIL			MAY			
1	65	61	64	80	69	71	84	83	84	94	88	91
2	64	62	63	85	70	75	85	84	84	---	---	---
3	64	63	63	79	71	74	85	82	84	---	---	---
4	66	64	65	115	83	96	89	84	86	---	---	---
5	69	67	68	90	80	83	95	90	94	---	---	---
6	70	68	69	80	77	78	97	95	96	---	---	---
7	105	66	86	80	78	79	96	91	94	---	---	---
8	74	66	69	80	78	79	91	85	87	---	---	---
9	66	62	63	80	77	79	85	82	84	---	---	---
10	65	63	64	79	78	78	89	82	87	---	---	---
11	65	63	64	81	79	79	94	90	92	---	---	---
12	65	64	64	83	80	81	108	93	100	---	---	---
13	68	65	66	85	83	85	105	99	101	---	---	---
14	68	66	67	85	84	85	115	104	109	---	---	---
15	68	66	67	85	83	84	116	114	115	---	---	---
16	68	67	67	83	82	83	114	102	108	---	---	---
17	72	67	69	83	81	82	102	88	94	---	---	---
18	97	72	77	82	81	82	88	80	83	---	---	---
19	96	76	82	84	82	83	80	77	78	---	---	---
20	79	72	74	84	83	84	78	76	77	---	---	---
21	81	74	77	84	84	84	76	74	75	---	---	---
22	79	72	77	84	83	84	75	74	74	---	---	---
23	88	76	81	85	83	84	77	74	75	---	---	---
24	124	81	94	88	85	86	78	75	76	---	---	---
25	85	77	79	90	87	89	84	78	81	---	---	---
26	79	74	76	92	89	90	86	84	85	---	---	---
27	76	71	73	92	90	92	93	87	91	---	---	---
28	71	70	70	91	89	90	101	93	97	---	---	---
29	---	---	---	88	86	87	100	95	97	---	---	---
30	---	---	---	86	84	85	95	92	93	---	---	---
31	---	---	---	84	83	84	---	---	---	---	---	---

YAZOO RIVER BASIN

07288800 YAZOO RIVER AT REDWOOD, MS--Continued

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	---	---	---	---	---	---	118	115	117	150	136	140
2	---	---	---	---	---	---	129	118	122	140	121	131
3	---	---	---	---	---	---	253	118	140	182	118	136
4	---	---	---	---	---	---	122	111	117	143	136	139
5	---	---	---	---	---	---	112	102	106	147	142	145
6	---	---	---	---	---	---	101	93	96	147	132	137
7	---	---	---	---	---	---	93	90	92	132	120	127
8	---	---	---	---	---	---	90	87	88	117	104	107
9	---	---	---	---	---	---	90	85	87	105	98	101
10	---	---	---	---	---	---	94	88	92	100	97	98
11	---	---	---	---	---	---	99	89	92	105	99	102
12	---	---	---	246	119	155	117	98	107	113	107	111
13	---	---	---	132	110	120	132	118	127	113	109	112
14	---	---	---	109	101	104	130	125	128	111	105	109
15	---	---	---	107	95	100	132	129	131	127	110	122
16	---	---	---	201	102	131	133	126	131	132	128	131
17	---	---	---	125	120	122	127	120	125	145	133	139
18	---	---	---	126	122	124	120	116	119	152	146	149
19	85	77	78	124	111	117	116	109	113	157	153	156
20	78	77	78	111	100	106	110	108	109	173	155	160
21	80	78	79	99	95	97	113	108	111	---	---	---
22	85	79	81	98	92	94	113	108	111	163	150	155
23	204	84	113	---	---	---	283	95	133	151	134	143
24	---	---	---	---	---	---	128	119	122	134	131	132
25	---	---	---	---	---	---	153	130	144	130	122	125
26	---	---	---	---	---	---	159	156	158	138	131	133
27	---	---	---	108	97	103	162	156	158	140	134	136
28	---	---	---	119	109	114	170	162	165	148	140	145
29	---	---	---	136	119	128	170	165	167	145	134	137
30	---	---	---	136	127	132	166	151	157	138	124	132
31	---	---	---	127	116	122	151	140	146	---	---	---

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	25.5	25.5	25.5	20.0	19.5	19.5	14.0	14.0	14.0	9.5	7.5	8.5
2	25.5	25.0	25.0	19.5	19.0	19.5	14.0	14.0	14.0	8.5	7.5	8.5
3	25.5	25.0	25.0	20.0	19.0	19.5	14.5	14.0	14.5	8.5	6.0	7.0
4	25.5	25.0	25.0	20.0	19.5	19.5	14.5	14.0	14.5	7.5	7.0	7.5
5	25.0	24.5	24.5	20.0	19.5	19.5	14.5	14.0	14.0	7.0	6.0	6.5
6	24.5	24.0	24.0	20.0	19.5	19.5	14.0	14.0	14.0	6.0	5.5	6.0
7	24.0	23.0	23.5	19.5	19.0	19.5	14.5	14.0	14.0	5.5	5.0	5.0
8	23.0	22.5	22.5	19.0	18.5	18.5	15.0	14.5	14.5	5.0	4.0	4.5
9	22.5	22.0	22.0	18.5	18.0	18.5	14.5	13.0	14.0	3.5	3.0	3.5
10	22.0	21.5	22.0	18.5	18.0	18.0	13.0	11.5	12.5	3.0	2.5	3.0
11	22.0	21.5	22.0	18.5	18.0	18.5	11.5	10.5	11.0	2.5	2.0	2.5
12	22.5	21.5	22.0	18.5	18.0	18.5	10.5	10.0	10.0	2.0	2.0	2.0
13	23.5	22.0	22.5	18.5	18.0	18.5	10.0	9.5	9.5	2.0	1.5	1.5
14	23.0	22.0	22.5	18.5	18.5	18.5	9.5	8.5	9.0	1.5	1.5	1.5
15	22.0	21.5	21.5	19.0	18.5	18.5	8.5	8.0	8.0	1.5	1.5	1.5
16	21.5	21.0	21.5	19.5	18.5	19.0	8.0	8.0	8.0	2.0	1.5	1.5
17	21.0	20.5	21.0	19.5	18.5	19.0	8.0	7.5	8.0	4.5	2.0	3.0
18	20.5	20.0	20.0	18.5	18.5	18.5	7.5	7.5	7.5	5.0	4.5	5.0
19	20.0	19.5	19.5	18.5	18.0	18.0	8.0	7.5	8.0	8.5	5.0	5.5
20	20.0	19.5	19.5	18.0	18.0	18.0	8.5	8.0	8.5	10.5	7.5	9.0
21	20.0	19.5	19.5	18.0	17.5	18.0	9.0	8.5	9.0	11.5	10.5	10.5
22	20.5	19.5	20.0	17.5	17.0	17.5	9.5	9.0	9.0	11.5	11.0	11.0
23	20.5	20.0	20.0	17.5	17.0	17.5	9.5	9.5	9.5	11.5	11.0	11.0
24	20.5	20.0	20.5	17.5	17.0	17.0	9.0	8.5	9.0	11.0	10.0	10.5
25	20.5	20.0	20.5	17.0	16.5	17.0	9.0	8.5	9.0	10.0	9.5	9.5
26	20.5	20.5	20.5	17.0	16.5	16.5	9.0	9.0	9.0	9.5	9.0	9.0
27	21.0	20.5	20.5	17.0	16.5	16.5	9.0	9.0	9.0	9.0	8.5	9.0
28	20.5	20.0	20.0	16.5	15.5	16.0	9.0	9.0	9.0	8.5	8.0	8.0
29	20.0	19.5	19.5	15.5	15.5	15.5	9.0	8.0	8.5	7.5	7.5	7.5
30	19.5	19.0	19.0	15.5	15.0	15.0	9.0	9.0	9.0	7.5	7.0	7.0
31	19.5	19.0	19.5	---	---	---	9.5	9.0	9.0	7.0	6.5	6.5

YAZOO RIVER BASIN

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07288800 YAZOO RIVER AT REDWOOD, MS--Continued

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

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

MISSISSIPPI RIVER MAIN STEM

07289000 MISSISSIPPI RIVER AT VICKSBURG, MS

LOCATION.--Lat 32°18'45", long 90°54'25", in T.16 N., R.3 E., Washington Meridian, Warren County, Hydrologic Unit 08060100, over cavity of fourth pier from left bank at combined highway and railway bridge of Vicksburg Bridge Commission of Warren County, at southern city limits of Vicksburg, 1.5 mi (2.4 km) downstream from Yazoo diversion canal and at mile 430.4 (692.5 km).

DRAINAGE AREA.--1,140,500 mi² (2,953,90 km²), approximately. The 4,000 mi² (10,400 km²), approximately, in the Great Divide basin in Southern Wyoming is not included.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--Discharge: January 1928 to current year. Prior to July 1931, monthly discharge only, published in WSP 1311.

Gage heights: April 1930 to September 1977 in reports of Geological Survey. Since December 1871, referred to canal gages (above 30.0 ft or 9.14 m only, since December 1949). September 1934 to December 1964, referred to bridge gage, in reports of Mississippi River Commission. January 1937 to December 1967, referred to bridge gage; January 1968 to December 1976, referred to gage 1.1 mi (1.8 km) upstream and since January 1977 referred to gage at mile 437.0, in reports of Corps of Engineers. Since May 1873, in reports of National Weather Service.

Extremes of stage, intermittently 1828 to 1871, and since 1871; extremes of discharge for various years 1858 to 1926 and since 1926; annual mean discharges since 1871; and records of daily discharge 1928 to 1964 are available in reports of Mississippi River Commission. Since January 1947 daily discharge in reports of Corps of Engineers. Prior to October 1968, published as Mississippi River near Vicksburg.

REVISED RECORDS.--WSP 747, WRD Miss. 1975: Drainage area.

GAGE.--Water-stage recorder (bridge gage) operated by Geological Survey. Jan. 1, 1963, to Dec. 31, 1967, supplementary water-stage recorder on left bank near downstream side of bridge, Jan. 1, 1968 to Dec. 31, 1976, on left bank at site 1.1 mi (1.8 km) upstream, and since January 1977 on left bank at downstream side of Interstate 20 bridge, maintained by Corps of Engineers. Datum of gage is 46.22 ft (14.088 m) National Geodetic Vertical Datum of 1929 (Corps of Engineers bench mark) or 46.16 ft (14.070 m) above mean gulf level. Gages used by Mississippi River Commission: Dec. 10, 1871, to Sept. 30, 1929, nonrecording gage at mouth of Yazoo diversion canal, 1.5 mi (2.4 km) upstream from bridge gage; since Sept. 30, 1929, nonrecording gage at mouth of Yazoo diversion canal, 1.5 mi (2.4 km) upstream from bridge gage; since October 1929, nonrecording gage on Yazoo diversion canal, 1,600 m (490 m) upstream from mouth. Gages used by National Weather Service; May 18, 1873, to Oct. 29, 1919, nonrecording gage 0.5 mi (0.8 km) upstream from bridge gage; Oct. 30, 1919, to Nov. 30, 1922, nonrecording gage at mouth of Yazoo Canal; Dec. 1, 1922, to Aug. 31, 1934, nonrecording gage on Yazoo diversion canal; Sept. 1, 1934, to Dec. 31, 1962, nonrecording gage at bridge; Jan. 1, 1963, to Dec. 31, 1967, water-stage recorder on left bank near downstream side of bridge, Jan. 1, 1968 to Dec. 31, 1976, on left bank at site 1.1 mi (1.8 km) upstream, and since Jan. 1, 1977, on left bank at downstream side of Interstate 20 bridge.

All gages at same datum, but readings differ due to slope of water surface between them.

REMARKS.--Natural flow of stream affected by many reservoirs and navigation dams.

COOPERATION.--Supplementary gage-height record and records of daily discharge furnished by Corps of Engineers.

AVERAGE DISCHARGE.--51 years, 575,800 ft³/s (16,307 m³/s), 417,170,000 acre-ft/yr (514 km³/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,080,000 ft³/s (58,900 m³/s) Feb. 17, 1937; maximum gage height, 53.2 ft (16.22 m) Feb. 21, 1937; minimum discharge, 99,400 ft³/s (2,820 m³/s) Nov. 1, 1939; minimum gage height, -7.02 ft (-2.140 m) Feb. 3, 1940 (ice jam above).

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known since at least 1871, 58.4 ft (17.80 m), Corps of Engineers gage on Yazoo diversion canal; approximately 56.0 ft (17.07 m) May 4, 1927 (Geological Survey gage).

EXTREMES FOR WATER YEAR 1978.--Maximum daily discharge, 1,347,000 ft³/s (38,100 m³/s) Apr. 5. Maximum gage height, 39.24 ft (11.960 m) Apr. 11, at bridge gage, 39.80 ft (12.131 m) Apr. 11 at supplementary recorder; minimum daily discharge, 303,000 ft³/s (8,580 m³/s) Sept. 1; minimum gage height, 8.00 ft (2.438 m) Sept. 25 at supplementary recorder.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 1,694,000 ft³/s (48,000 m³/s) Apr. 26. Maximum gage height, 47.28 ft (14.411 m) Apr. 27, at bridge gage, 47.90 ft (14.600 m) Apr. 26-29 at supplementary recorder; minimum daily discharge, 217,000 ft³/s (6,150 m³/s) Nov. 17; minimum gage height, 2.80 ft (0.853 m) Nov. 13 at supplementary recorder.

07289000 MISSISSIPPI RIVER AT VICKSBURG, MS--Continued

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	487000	403000	729000	797000	686000	435000	1314000	818000	1015000	465000	431000	303000
2	490000	438000	733000	772000	720000	430000	1332000	815000	990000	462000	422000	310000
3	489000	484000	737000	748000	753000	426000	1345000	820000	954000	459000	417000	317000
4	489000	523000	754000	719000	807000	425000	1346000	827000	920000	452000	418000	324000
5	489000	542000	770000	687000	845000	428000	1347000	830000	877000	444000	422000	333000
6	489000	547000	784000	661000	875000	445000	1345000	832000	848000	445000	430000	340000
7	491000	547000	806000	633000	889000	468000	1339000	844000	812000	447000	440000	350000
8	497000	545000	838000	605000	897000	480000	1325000	869000	766000	468000	443000	366000
9	515000	551000	875000	572000	897000	487000	1313000	891000	717000	485000	446000	388000
10	535000	573000	906000	554000	869000	499000	1298000	909000	682000	493000	447000	402000
11	548000	599000	936000	545000	838000	513000	1280000	922000	654000	498000	445000	401000
12	562000	631000	958000	543000	793000	533000	1270000	936000	628000	501000	438000	387000
13	565000	645000	970000	538000	723000	552000	1240000	953000	610000	505000	425000	372000
14	565000	654000	980000	537000	643000	584000	1224000	961000	591000	506000	411000	366000
15	565000	682000	995000	565000	602000	614000	1192000	974000	574000	505000	408000	349000
16	566000	671000	987000	637000	569000	662000	1160000	999000	560000	497000	418000	347000
17	573000	682000	975000	676000	533000	698000	1118000	1026000	548000	499000	427000	346000
18	574000	699000	960000	727000	517000	758000	1078000	1053000	537000	480000	424000	342000
19	575000	704000	930000	780000	506000	818000	1048000	1062000	524000	481000	416000	338000
20	574000	707000	916000	807000	498000	873000	1020000	1068000	507000	482000	406000	335000
21	571000	709000	904000	812000	491000	922000	995000	1074000	487000	483000	395000	331000
22	550000	708000	893000	778000	487000	966000	970000	1080000	467000	485000	388000	323000
23	525000	700000	877000	711000	480000	1000000	949000	1083000	449000	501000	379000	313000
24	494000	690000	863000	655000	475000	1041000	921000	1085000	448000	518000	367000	307000
25	361000	682000	855000	597000	465000	1082000	901000	1083000	447000	518000	354000	310000
26	434000	675000	848000	588000	453000	1130000	879000	1080000	447000	514000	348000	326000
27	429000	676000	841000	588000	443000	1179000	859000	1078000	456000	498000	344000	355000
28	425000	685000	834000	624000	440000	1212000	841000	1070000	463000	476000	339000	376000
29	414000	693000	828000	651000	---	1247000	831000	1060000	465000	462000	329000	390000
30	407000	711000	821000	667000	---	1272000	823000	1047000	467000	457000	315000	394000
31	399000	---	811000	671000	---	1294000	---	1031000	---	441000	307000	---
TOTAL	15647000	18756000	26914000	20445000	18194000	23473000	33903000	30180000	18910000	14917000	12399000	10441000
MEAN	504700	625200	868200	659500	649800	757200	1130000	973500	630300	481200	400000	348000
MAX	575000	711000	995000	812000	897000	1294000	1347000	1085000	1015000	518000	447000	402000
MIN	361000	403000	729000	537000	440000	425000	823000	815000	447000	441000	307000	303000
AC-FT	31040000	37200000	53380000	40550000	36090000	46560000	67250000	59860000	37510000	29590000	24590000	20710000
CAL YR 1977	TOTAL	178258000	MEAN	488400	MAX	995000	MIN	178000	AC-FT	353600000		
WTR YR 1978	TOTAL	244179000	MEAN	669000	MAX	1347000	MIN	303000	AC-FT	484300000		

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16.60	12.50	24.30	26.08	22.64	12.45	37.99	29.58	35.35	16.20	14.87	8.53
2	16.70	13.70	24.50	25.26	23.64	12.16	38.39	29.52	34.78	16.19	14.95	8.90
3	16.60	15.40	24.50	24.45	24.75	11.96	38.71	29.63	34.12	16.06	15.15	9.27
4	16.50	17.00	24.80	23.62	25.85	11.92	39.07	29.79	33.49	15.96	15.22	9.61
5	16.20	17.80	25.00	22.69	26.71	12.31	39.30	29.85	32.70	15.85	15.20	10.04
6	16.10	18.00	25.40	21.94	27.38	13.01	39.54	29.87	31.78	16.02	15.20	10.38
7	16.00	18.00	26.00	21.15	27.82	13.78	39.61	30.35	30.63	16.50	15.32	10.92
8	16.20	17.50	26.80	20.33	28.08	14.19	39.72	31.32	29.17	17.08	15.48	11.74
9	17.00	18.00	27.90	19.38	28.09	14.45	39.75	32.09	27.62	17.35	15.54	12.39
10	17.90	18.80	28.50	18.86	27.81	14.84	39.75	32.58	26.27	17.54	15.50	12.82
11	18.50	19.40	29.30	18.61	26.97	15.45	39.78	32.92	25.20	17.65	15.34	12.77
12	18.90	21.00	29.80	18.55	25.72	16.33	39.62	33.30	24.21	17.71	15.04	12.15
13	19.00	21.60	30.20	18.41	23.81	17.18	39.39	33.63	23.34	17.80	14.61	11.52
14	19.00	22.00	30.50	18.32	21.62	18.29	39.07	33.79	22.41	18.02	14.25	11.26
15	19.00	22.10	30.80	18.73	20.20	19.37	38.66	34.06	21.60	18.24	14.02	10.52
16	19.00	22.20	30.80	19.74	19.08	20.67	---	34.55	20.92	18.29	14.01	10.40
17	19.20	22.40	30.90	21.11	17.83	22.30	---	35.05	20.36	18.23	14.05	10.39
18	19.30	22.70	30.80	---	16.96	24.05	36.45	35.54	19.84	17.98	14.02	10.20
19	19.40	23.10	30.50	---	16.36	25.79	35.74	35.94	19.25	17.99	13.75	9.95
20	19.40	23.50	30.10	---	15.91	27.39	35.02	36.25	18.63	18.00	13.48	9.79
21	19.20	23.50	29.60	---	15.55	28.80	34.45	36.50	17.90	18.00	13.20	9.54
22	18.50	23.60	29.20	---	15.21	30.08	33.95	36.78	17.16	18.06	12.93	9.09
23	17.70	23.40	28.70	23.43	14.89	31.19	33.51	36.92	16.50	18.32	12.52	8.51
24	16.60	23.10	28.30	22.39	14.52	32.25	32.88	37.18	15.92	18.54	12.04	8.16
25	15.40	22.80	28.00	21.86	13.95	---	32.25	37.20	15.62	18.59	11.50	8.33
26	14.40	22.60	27.70	21.62	13.50	---	31.60	37.20	15.62	18.46	10.92	9.51
27	13.90	22.50	27.50	21.62	13.06	34.80	30.98	37.14	15.89	17.85	10.53	10.64
28	13.50	22.80	27.30	21.84	12.75	35.55	30.42	36.94	16.10	17.07	10.02	11.69
29	13.10	23.00	27.10	22.00	---	36.34	30.05	36.65	16.25	16.28	9.62	12.42
30	12.90	23.60	27.00	22.10	---	36.95	29.75	36.30	16.21	15.54	9.02	12.60
31	12.60	---	26.60	22.22	---	37.49	---	35.89	---	15.07	8.70	---
MEAN	16.91	20.62	28.01	---	20.74	---	---	34.01	23.16	17.30	13.42	10.47
MAX	19.40	23.60	30.90	---	28.09	---	---	37.20	35.35	18.59	15.54	12.82
MIN	12.60	12.50	24.30	---	12.75	---	---	29.52	15.62	15.07	8.70	8.16

MISSISSIPPI RIVER MAIN STEM

07289000 MISSISSIPPI RIVER AT VICKSBURG, MS--Continued

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	392000	240000	405000	878000	967000	865000	1420000	1665000	925000	600000	525000	581000
2	387000	239000	425000	859000	967000	935000	1400000	1650000	918000	616000	560000	606000
3	378000	246000	458000	839000	969000	1000000	1397000	1630000	915000	621000	637000	627000
4	370000	258000	490000	823000	969000	1063000	1401000	1607000	917000	612000	678000	643000
5	362000	267000	524000	813000	964000	1118000	1409000	1571000	930000	581000	710000	654000
6	355000	279000	555000	808000	950000	1166000	1420000	1540000	950000	548000	736000	661000
7	337000	280000	585000	817000	919000	1219000	1440000	1516000	966000	530000	747000	664000
8	318000	268000	615000	831000	871000	1268000	1458000	1486000	969000	512000	748000	663000
9	302000	257000	685000	852000	820000	1302000	1475000	1460000	955000	499000	738000	650000
10	289000	247000	740000	880000	782000	1340000	1491000	1432000	928000	491000	713000	629000
11	279000	239000	805000	908000	727000	1371000	1509000	1403000	896000	490000	697000	610000
12	270000	232000	835000	936000	682000	1405000	1523000	1380000	869000	492000	679000	590000
13	263000	227000	867000	951000	638000	1418000	1540000	1365000	851000	499000	651000	570000
14	258000	225000	899000	967000	595000	1435000	1558000	1359000	834000	508000	635000	545000
15	251000	223000	929000	970000	551000	1453000	1572000	1342000	821000	519000	619000	528000
16	244000	220000	956000	969000	526000	1470000	1588000	1329000	811000	526000	601000	510000
17	240000	217000	983000	963000	503000	1488000	1610000	1312000	803000	527000	582000	496000
18	240000	222000	1009000	955000	489000	1501000	1617000	1299000	796000	527000	578000	480000
19	248000	232000	1018000	948000	477000	1517000	1630000	1280000	780000	526000	572000	487000
20	257000	246000	1027000	930000	466000	1531000	1642000	1259000	753000	526000	567000	507000
21	272000	260000	1037000	910000	453000	1544000	1655000	1234000	721000	526000	551000	558000
22	285000	280000	1047000	891000	453000	1558000	1669000	1209000	686000	526000	537000	610000
23	291000	295000	1057000	869000	480000	1567000	1680000	1177000	650000	527000	520000	659000
24	291000	315000	1065000	864000	515000	1569000	1688000	1150000	620000	525000	492000	691000
25	289000	335000	1070000	870000	573000	1562000	1693000	1119000	588000	524000	468000	701000
26	279000	362000	1068000	904000	640000	1543000	1694000	1089000	559000	523000	448000	699000
27	269000	333000	1065000	919000	730000	1522000	1693000	1060000	545000	528000	438000	685000
28	260000	405000	1060000	939000	792000	1505000	1690000	1033000	546000	528000	446000	670000
29	254000	410000	1047000	956000	---	1487000	1684000	1004000	554000	525000	475000	675000
30	248000	408000	1022000	960000	---	1466000	1676000	972000	578000	523000	510000	695000
31	242000	---	995000	963000	---	1440000	---	943000	---	522000	559000	---
TOTAL	9020000	8267000	26343000	27942000	19468000	42628000	46922000	40875000	23634000	16527000	18417000	18344000
MEAN	291000	275600	849800	901400	635000	1375000	1564000	1319000	787800	533100	594100	611500
MAX	392000	410000	1070000	970000	969000	1569000	1694000	1665000	969000	621000	748000	701000
MIN	240000	217000	405000	808000	453000	865000	1397000	943000	545000	490000	438000	480000
AC-FT	17890000	16400000	52250000	55420000	38610000	84550000	93070000	81080000	46880000	32780000	36530000	36390000
CAL YR 1978 TOTAL	226492000	MEAN	620500	MAX	1347000	MIN	217000	AC-FT	449200000			
WTR YR 1979 TOTAL	298387000	MEAN	817500	MAX	1694000	MIN	217000	AC-FT	591900000			

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12.63	3.82	11.88	28.60	32.60	29.00	42.80	47.50	35.10	22.50	20.40	20.60
2	12.43	3.79	12.38	28.10	32.80	30.80	42.60	47.20	34.70	22.70	21.00	21.30
3	12.09	4.28	13.23	27.80	33.10	32.50	42.60	46.90	34.40	22.70	22.30	22.10
4	11.84	4.48	14.52	27.40	33.30	34.00	42.70	46.50	34.20	22.50	23.70	23.10
5	11.40	5.63	15.92	26.90	33.30	35.20	42.80	46.40	34.20	22.10	24.80	23.50
6	10.78	5.90	17.67	26.50	32.90	36.20	42.90	46.00	34.40	21.10	25.70	24.10
7	9.95	5.87	18.98	26.80	32.50	37.10	43.00	45.80	34.70	20.00	26.20	24.30
8	8.92	5.25	---	27.50	31.80	37.80	43.00	45.50	34.70	19.50	26.50	24.40
9	8.12	4.60	---	28.20	30.80	38.40	43.20	45.10	34.40	19.20	26.50	24.10
10	7.58	4.00	---	28.60	29.20	38.90	43.40	44.70	35.00	19.20	26.20	23.70
11	7.10	3.42	25.36	29.00	27.40	39.50	43.50	44.30	34.70	18.80	25.70	23.00
12	6.43	3.07	26.65	29.40	25.30	40.10	43.90	44.00	34.00	19.00	25.00	22.00
13	6.08	2.92	27.83	29.70	23.10	40.80	44.60	43.60	33.10	19.20	24.20	21.10
14	5.70	2.88	28.78	30.10	21.20	41.30	44.90	43.20	32.00	19.50	23.40	20.20
15	5.31	3.00	29.47	30.40	19.80	41.90	45.30	43.20	31.20	19.80	22.70	19.50
16	5.03	3.05	30.24	30.50	18.40	42.40	45.60	43.10	30.80	19.80	22.00	18.80
17	4.67	3.11	30.84	30.40	17.60	42.80	45.90	42.90	30.10	19.80	21.40	18.00
18	4.68	3.33	31.31	30.30	17.10	43.10	46.30	42.60	29.90	19.90	20.90	17.40
19	4.96	3.58	31.73	30.10	16.50	43.40	46.50	42.20	29.50	19.80	20.70	17.00
20	5.38	4.46	32.00	30.70	15.60	43.60	46.70	41.70	28.90	19.70	20.70	17.40
21	5.85	4.76	32.34	31.00	15.20	43.60	46.80	41.30	28.00	19.80	20.40	19.40
22	6.39	5.32	32.49	31.00	15.10	43.60	47.00	40.70	27.00	19.80	20.00	21.20
23	6.85	6.57	32.51	30.70	15.80	43.70	47.30	40.10	25.90	19.80	19.40	23.00
24	7.18	8.16	32.63	30.50	17.30	43.90	47.50	39.60	24.60	19.80	18.40	24.20
25	7.18	9.44	32.59	30.10	19.40	43.90	47.80	39.10	23.60	19.70	17.20	24.70
26	6.88	10.50	32.34	29.90	21.80	43.70	47.90	38.70	22.60	19.80	16.30	24.60
27	6.40	11.40	31.94	30.10	24.20	43.60	47.90	38.20	22.00	19.70	15.80	24.20
28	5.88	11.88	31.30	30.60	26.70	43.50	47.90	37.50	21.80	19.40	16.10	24.00
29	5.29	11.98	30.58	31.20	---	43.30	47.90	36.70	22.00	19.10	17.00	24.30
30	4.66	11.78	29.70	31.70	---	43.10	47.70	36.00	22.20	19.30	18.30	24.70
31	4.16	---	---	32.20	---	42.90	---	35.40	---	19.80	19.50	---
MEAN	7.35	5.77	---	29.55	24.29	40.25	45.26	42.44	29.99	20.09	21.56	22.00
MAX	12.63	11.98	---	32.20	33.30	43.90	47.90	47.50	35.10	22.70	26.50	24.70
MIN	4.16	2.92	---	26.50	15.10	29.00	42.60	35.40	21.80	18.80	15.80	17.00

07289000 MISSISSIPPI RIVER AT VICKSBURG, MS--Continued
(National stream-quality accounting network station)

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1962, 1972 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: April 1975 to current year.

WATER TEMPERATURE: October 1973 to current year.

INSTRUMENTATION.--Specific conductance/temperature recorder since October 1973.

REMARKS.--Interruptions in the record were due to malfunctions of the instrument.

COOPERATION.--Discharge measurements were furnished by Corps of Engineers. Pesticide analyses were performed by U.S. Environmental Protection Agency.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily, 482 micromhos Sept. 19, 1976; minimum daily, 259 micromhos Jan. 13, 1976.

WATER TEMPERATURES: Maximum daily, 31.0°C July 14-15, 1977; minimum daily, 0.0°C Jan. 15-27, Feb. 12, 1977.

EXTREMES OUTSIDE PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 510 micromhos Nov. 18, 1974; minimum, 181 micromhos May 3, 1973.

WATER TEMPERATURES: Maximum, 32.0°C July 13, 1978; minimum, 3.0°C Jan. 12-13, 1978.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	STREAM- FLOW, INSTANT- ANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (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											
03...	1400	378000	360	7.6	25.0	85	6.4	350	2000	170	45
NOV											
07...	1300	280000	412	8.1	17.0	40	8.3	300	100	180	59
DEC											
04...	1500	490000	419	7.9	11.0	60	9.5	K280	540	170	67
JAN											
03...	1500	839000	300	7.5	5.0	250	11.4	400	1900	110	32
FEB											
07...	1230	919000	260	7.7	2.0	90	13.2	K600	300	98	36
MAR											
06...	1300	1170000	257	7.3	5.0	150	12.0	K1400	3300	93	31
APR											
03...	1230	1400000	340	7.3	11.5	85	9.2	--	900	120	26
MAY											
01...	1200	1660000	310	7.3	16.5	100	8.0	K100	240	120	30
JUN											
05...	1300	930000	350	7.6	22.5	50	6.6	K150	240	140	40
JUL											
03...	1130	621000	400	7.8	27.0	35	6.5	--	--	160	51
AUG											
07...	1200	747000	370	7.7	28.5	100	6.0	--	K900	130	34
SEP											
25...	1330	701000	370	7.8	23.0	--	7.5	--	--	--	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

[illegible]

MISSISSIPPI RIVER MAIN STEM

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07289000 MISSISSIPPI RIVER AT VICKSBURG, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	NITRO- GEN, AM- MONIA + ORGANIC DIS. (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)	PHYTO- PLANK- TON, TOTAL (CELLS PER ML)	SEDI- MENT, SUS- PENDED (MG/L)	SEDI- MENT DIS- CHARGE, SUS- PENDED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT										
03...	.41	2.5	11	.360	.100	--	730	399	407000	93
NOV										
07...	.80	1.4	6.4	.120	.080	4.7	--	150	113000	--
DEC										
04...	.39	1.6	7.0	.230	.080	2.2	--	281	372000	--
JAN										
03...	.68	2.6	12	.570	.060	--	1300	480	1090000	--
FEB										
07...	.44	1.7	7.5	.180	.030	3.7	--	302	749000	63
MAR										
06...	.38	2.1	9.3	.300	.040	7.6	--	558	1760000	65
APR										
03...	.68	2.6	12	.260	.050	--	300	374	1410000	63
MAY										
01...	.36	2.6	12	.160	.050	12	--	254	1140000	58
JUN										
05...	.44	2.0	8.8	.210	.060	6.3	3200	223	560000	82
JUL										
03...	.64	2.2	9.8	.160	.060	--	4700	190	319000	88
AUG										
07...	.22	2.0	8.8	.280	.070	8.2	1600	359	724000	88
SEP										
25...	--	--	--	--	--	--	3500	261	494000	84

MISSISSIPPI RIVER MAIN STEM

07289000 MISSISSIPPI RIVER AT VICKSBURG, MS--Continued
 WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	ARSENIC TOTAL (UG/L AS AS)	ARSENIC DIS- SOLVED (UG/L AS AS)	BARIUM, TOTAL RECOV- ERABLE (UG/L AS BA)	BARIUM, SUS- PENDE RECOV- ERABLE (UG/L AS BA)	BARIUM, DIS- SOLVED (UG/L AS HA)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CADMIUM SUS- PENDE RECOV- ERABLE (UG/L AS CD)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	CHRO- MIUM, SUS- PENDE RECOV- ERABLE (UG/L AS CR)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)
OCT 03...	3	2	200	100	100	2	2	0	20	20	0
JAN 03...	3	1	100	0	100	0	0	1	10	10	0
APR 03...	1	1	200	200	0	0	0	3	10	0	10
JUL 03...	2	1	100	30	70	4	2	2	20	10	<10

DATE	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	COPPER, SUS- PENDE RECOV- ERABLE (UG/L AS CU)	COPPER, DIS- SOLVED (UG/L AS CU)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	COPPER, SUS- PENDE RECOV- ERABLE (UG/L AS CU)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, SUS- PENDE RECOV- ERABLE (UG/L AS FE)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	LEAD, SUS- PENDE RECOV- ERABLE (UG/L AS PB)
OCT 03...	5	4	1	20	11	9	10000	10000	30	17	15
JAN 03...	17	17	0	18	13	5	6500	6300	250	60	54
APR 03...	2	1	1	14	7	7	7000	6900	90	7	0
JUL 03...	1	0	1	13	7	6	2900	2900	20	18	13

DATE	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 SUS- PENDE RECOV- ERABLE (UG/L AS HG)	MERCURY DIS- SOLVED (UG/L AS HG)	SELE- NIUM, TOTAL RECOV- ERABLE (UG/L AS SE)	SELE- NIUM, SUS- PENDE RECOV- ERABLE (UG/L AS SE)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)
OCT 03...	2	480	480	0	<.5	.0	<.5	1	0	1
JAN 03...	6	230	210	20	<.5	.0	<.5	0	0	0
APR 03...	9	190	180	6	.5	.0	.5	0	0	0
JUL 03...	5	180	180	2	<.5	.0	<.5	1	1	0

DATE	SILVER, TOTAL RECOV- ERABLE (UG/L AS AG)	SILVER, SUS- PENDE RECOV- ERABLE (UG/L AS AG)	SILVER, DIS- SOLVED (UG/L AS AG)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	ZINC, SUS- PENDE RECOV- ERABLE (UG/L AS ZN)	ZINC, DIS- SOLVED (UG/L AS ZN)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C)	CARBON, ORGANIC SUS- PENDE (MG/L AS C)	CHLOR-A PERI- PHYTON CHROMO- GRAPHIC FLUOROM (MG/M2)	CHLOR-B PERI- PHYTON CHROMO- GRAPHIC FLUOROM (MG/M2)
OCT 03...	0	0	0	100	90	10	12	4.3	.340	.000
JAN 03...	0	0	0	70	70	0	--	--	--	--
APR 03...	0	0	0	60	50	10	6.3	.7	--	--
JUL 03...	0	0	0	30	10	20	16	2.6	--	--

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

[illegible]

MISSISSIPPI RIVER MAIN STEM

07289000 MISSISSIPPI RIVER AT VICKSBURG, MS--Continued
PHYTOPLANKTON ANALYSES, OCTOBER 1978 TO SEPTEMBER 1979

DATE TIME	OCT 3,78 1400	JAN 3,79 1500	APR 3,79 1230	JUN 5,79 1200				
TOTAL CELLS/ML	730	1300	300	3200				
DIVERSITY: DIVISION	1.5	1.6	0.5	1.6				
..CLASS	1.5	1.6	0.5	1.6				
...ORDER	1.5	2.3	0.8	2.2				
...FAMILY	1.6	2.6	0.8	2.3				
...GENUS	1.8	3.1	1.6	2.7				
ORGANISM	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT
CHLOROPHYTA (GREEN ALGAE)								
..CHLOROPHYCEAE								
...CHLOROCOCCALES								
...OOCYSTACEAE								
...ANKISTRUESMUS	--	-	--	-	14	5	120	4
...DICTYOSPHAERIUM	--	-	--	-	--	-	--	-
...KIRCHNERIELLA	--	-	15	1	--	-	--	-
...OOCYSTIS	--	-	--	-	--	-	--	-
...POLYEDRIOPSIS	--	-	--	-	--	-	--	-
...TETRAEDRON	--	-	--	-	--	-	--	-
...TREUFARIA	12	2	--	-	--	-	--	-
...SCENEDESMACEAE								
...CRUCIGENIA	--	-	180	14	--	-	--	-
...SCENEDESMUS	170#	24	--	-	--	-	460	14
...TETRASTRUM	--	-	8	1	--	-	150	5
...TETRASPORALES								
...PALMELLACEAE								
...SPHAEROCYSTIS	--	-	--	-	--	-	310	10
...VOLVOCALES								
...CHLAMYDOMONADACEAE								
...CHLAMYDOMONAS	--	-	38	3	--	-	--	-
...PHACOTACEAE								
...PTEROMONAS	--	-	--	-	--	-	39	1
CHRYSTOPHYTA								
..BACILLARIOPHYCEAE								
...CENTRALES								
...COSCINODISCACEAE								
...CYCLOTELLA	110#	15	360#	27	160#	52	--	-
...MELOSIRA	62	8	220#	17	100#	33	270	8
...STEPHANODISCUS	--	-	--	-	--	-	350	11
...PENNALES								
...ACHNANTHACEAE								
...COCCONEIS	--	-	8	1	--	-	--	-
...DIATOMACEAE								
...DIATOMA	--	-	8	1	--	-	--	-
...FRAGILARIACEAE								
...ASTERIONELLA	--	-	15	1	--	-	--	-
...NAVICULACEAE								
...NAVICULA	--	-	46	3	14	5	--	-
...NITZSCHACEAE								
...NITZSCHIA	--	-	38	3	--	-	39	1
...SURIACEAE								
...SURIELLA	--	-	8	1	--	-	--	-
CYANOPHYTA (BLUE-GREEN ALGAE)								
..CYANOPHYCEAE								
...CHROOCOCCALES								
...CHROOCOCCACEAE								
...ANACYSTIS	--	-	15	1	--	-	120	4
...GOMPHOSPHAERIA	--	-	190	14	--	-	--	-
...HORMOGONALES								
...OSCILLATORACEAE								
...OSCILLATORIA	370#	51	150	11	--	-	1400#	42
EUGLENOPHYTA (EUGLENIDS)								
..EUGLENOPHYCEAE								
...EUGLENALES								
...EUGLENACEAE								
...EUGLENA	--	-	23	2	--	-	39	1
...TRACHELOMONAS	--	-	8	1	14	5	--	-

NOTE: # = DOMINANT ORGANISM; EQUAL TO OR GREATER THAN 15%
* = OBSERVED ORGANISM, MAY NOT HAVE BEEN COUNTED; LESS THAN 1/2%

MISSISSIPPI RIVER MAIN STEM

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07289000 MISSISSIPPI RIVER AT VICKSBURG, MS--Continued
PHYTOPLANKTON ANALYSES, OCTOBER 1978 TO SEPTEMBER 1979

DATE TIME	JUL 3,79 1130	AUG 7,79 1200	SEP 25,79 1330
TOTAL CELLS/ML	4700	1600	3500
DIVERSITY: DIVISION	1.5	1.0	0.4
..CLASS	1.5	1.0	0.4
..ORDER	1.6	1.0	0.4
...FAMILY	1.7	1.0	1.2
....GENUS	2.0	1.0	2.3

ORGANISM	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT
CHLOROPHYTA (GREEN ALGAE)						
..CHLOROPHYCEAE						
...CHLOROCOCCALES						
...OOCYSTACEAE						
....ANKISTRODESMUS	51	1	--	-	--	-
....DICITYOSPHAERIUM	--	-	--	-	1000#	29
....KIRCHNERIELLA	--	-	--	-	--	-
....OOCYSTIS	--	-	--	-	1300#	36
....POLYEDRIOPSIS	--	-	--	-	64	2
....TETRAEDRON	--	-	--	-	64	2
....TREUBARIA	--	-	--	-	--	-
...SCENEDESMACEAE						
....CRUCIGENIA	820#	18	--	-	520	15
....SCENEDESMUS	410	9	700#	43	260	7
....TETRASIRUM	--	-	--	-	--	-
...TETRASPORALES						
...PALMELLACEAE						
...SPHAEROCYSTIS	--	-	--	-	--	-
...VOLVOCALES						
...CHLAMYDOMONADACEAE						
....CHLAMYDOMONAS	51	1	--	-	--	-
...PHACOTACEAE						
...PTERUMONAS	--	-	--	-	--	-
CHRYSTOPHYTA						
..BACILLARIOPHYCEAE						
...CENTRALES						
...COSCINODISCACEAE						
....CYCLOTELLA	100	2	--	-	64	2
....MELOSIRA	1200#	25	930#	57	260	7
....STEPHANODISCUS	--	-	--	-	--	-
...PENNALES						
...ACHNANTHACEAE						
...COCONEIS	--	-	--	-	--	-
...DIATOMACEAE						
....DIATOMA	--	-	--	-	--	-
...FRAGILARIACEAE						
...ASTERIONELLA	--	-	--	-	--	-
...NAVICULACEAE						
...NAVICULA	--	-	--	-	--	-
...NITZSCHACEAE						
...NITZSCHIA	--	-	--	-	--	-
...SURIPELLACEAE						
...SURIPELLA	--	-	--	-	--	-
CYANOPHYTA (BLUE-GREEN ALGAE)						
..CYANOPHYCEAE						
...CHROCOCCALES						
...CHROCOCCACEAE						
....ANACYSTIS	--	-	--	-	--	-
....GOMPHOSPHERIA	--	-	--	-	--	-
...HORMOGONALES						
...OSCILLATORIACEAE						
...OSCILLATORIA	2100#	44	--	-	--	-
EUGLENOPHYTA (EUGLENIDS)						
..EUGLENOPHYCEAE						
...EUGLENALES						
...EUGLENACEAE						
....EUGLENA	--	-	--	-	--	-
....TRACHELOMONAS	--	-	--	-	--	-

NOTE: # - DOMINANT ORGANISM; EQUAL TO OR GREATER THAN 15%

* - UNSERVED ORGANISM, MAY NOT HAVE BEEN COUNTED; LESS THAN 1/2%

MISSISSIPPI RIVER MAIN STEM

07289000 MISSISSIPPI RIVER AT VICKSBURG, MS--Continued

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER				NOVEMBER			DECEMBER			JANUARY		
1	---	---	---	438	431	434	---	---	---	301	289	296
2	---	---	---	441	431	436	---	---	---	301	292	297
3	---	---	---	441	436	437	---	---	---	309	291	299
4	---	---	---	448	436	443	---	---	---	313	302	307
5	---	---	---	453	446	449	---	---	---	314	298	306
6	---	---	---	448	429	439	---	---	---	311	299	307
7	---	---	---	429	425	428	---	---	---	315	298	308
8	---	---	---	441	431	437	---	---	---	314	303	309
9	---	---	---	450	441	446	---	---	---	308	285	295
10	---	---	---	446	436	442	---	---	---	288	281	285
11	---	---	---	450	434	443	---	---	---	285	273	278
12	---	---	---	458	446	454	---	---	---	281	268	274
13	---	---	---	458	446	452	---	---	---	276	261	271
14	366	355	362	458	431	451	---	---	---	272	262	267
15	374	366	371	465	450	461	---	---	---	269	259	266
16	380	374	377	470	460	467	---	---	---	273	265	269
17	382	376	378	470	460	466	---	---	---	269	255	263
18	398	382	391	463	453	457	---	---	---	273	254	260
19	407	400	404	455	448	451	---	---	---	256	247	252
20	411	407	408	463	448	455	---	---	---	261	243	253
21	411	407	409	465	465	465	---	---	---	266	243	256
22	409	405	408	465	453	460	---	---	---	269	244	258
23	405	400	404	453	443	447	---	---	---	274	243	263
24	407	400	403	443	431	439	---	---	---	268	251	260
25	411	405	409	431	413	426	---	---	---	277	252	266
26	415	409	411	411	388	397	---	---	---	274	254	268
27	420	413	417	390	386	389	---	---	---	273	258	266
28	427	418	424	390	374	388	272	268	270	269	258	262
29	434	425	431	400	394	397	283	272	278	278	264	271
30	431	427	430	---	---	---	288	283	286	279	265	274
31	434	427	430	---	---	---	295	286	290	282	264	274
FEBRUARY				MARCH			APRIL			MAY		
1	288	275	283	349	337	344	343	337	341	---	---	---
2	296	275	286	342	336	339	350	338	344	---	---	---
3	285	268	279	342	328	336	354	346	350	---	---	---
4	287	275	282	333	308	321	345	335	341	---	---	---
5	289	272	278	314	294	302	337	323	329	---	---	---
6	274	257	267	298	280	290	324	315	320	---	---	---
7	261	251	258	287	272	276	319	313	317	---	---	---
8	265	253	258	273	267	270	315	305	313	---	---	---
9	273	250	263	275	265	271	315	310	313	---	---	---
10	282	266	276	278	269	274	316	312	314	---	---	---
11	301	283	292	286	271	278	314	309	312	---	---	---
12	310	295	302	296	279	288	313	305	309	---	---	---
13	318	308	312	300	287	293	313	299	306	---	---	---
14	327	311	320	308	294	300	344	315	330	---	---	---
15	334	324	329	306	298	302	356	335	346	---	---	---
16	336	329	333	306	295	300	365	349	356	---	---	---
17	337	333	335	305	293	298	406	343	363	---	---	---
18	335	328	333	304	293	297	394	370	379	---	---	---
19	339	330	336	299	289	294	413	373	385	---	---	---
20	339	334	337	307	292	296	446	377	395	---	---	---
21	335	326	329	305	292	298	443	378	409	---	---	---
22	340	328	335	312	294	302	439	382	418	---	---	---
23	360	339	349	311	297	306	433	366	406	---	---	---
24	348	325	339	313	307	310	426	367	387	---	---	---
25	361	339	353	319	312	316	428	370	389	---	---	---
26	366	352	360	324	317	322	378	370	375	---	---	---
27	360	349	354	327	318	323	---	---	---	---	---	---
28	354	342	349	328	322	326	---	---	---	---	---	---
29	---	---	---	336	329	332	---	---	---	---	---	---
30	---	---	---	340	333	337	---	---	---	---	---	---
31	---	---	---	343	337	340	---	---	---	361	354	358

07289000 MISSISSIPPI RIVER AT VICKSBURG, MS--Continued
 SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	365	355	360				---	---	---	---	---	---
2	366	352	360				---	---	---	---	---	---
3	363	351	359				---	---	---	---	---	---
4	378	362	371				---	---	---	---	---	---
5	384	373	380				393	377	387	---	---	---
6	384	376	380				395	377	388	---	---	---
7	385	365	380				381	369	374	---	---	---
8	391	382	386				---	---	---	---	---	---
9	384	363	378				---	---	---	---	---	---
10	376	362	370				370	360	364	---	---	---
11	376	369	372				365	360	363	---	---	---
12	371	363	368				---	---	---	---	---	---
13	373	356	365				---	---	---	---	---	---
14	373	363	367				---	---	---	---	---	---
15	366	357	362				---	---	---	---	---	---
16	369	351	360				---	---	---	---	---	---
17	384	365	372				377	367	373	---	---	---
18	400	380	389				382	374	378	---	---	---
19	428	397	412				386	380	383	---	---	---
20	436	418	429				397	386	392	---	---	---
21	438	422	431				398	394	396	---	---	---
22	424	400	413				397	397	397	---	---	---
23	404	388	395				400	395	398	---	---	---
24	391	381	387				400	395	398	---	---	---
25	410	386	397				398	394	395	---	---	---
26	416	407	411				---	---	---	---	---	---
27	419	413	417				---	---	---	403	388	395
28	---	---	---				---	---	---	388	377	382
29	---	---	---				---	---	---	394	380	387
30	---	---	---				---	---	---	380	362	370
31	---	---	---				---	---	---	---	---	---

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	---	---	---	---	---	---	---	---	---	6.5	6.5	6.5
2	---	---	---	---	---	---	---	---	---	6.5	6.0	6.0
3	---	---	---	---	---	---	---	---	---	6.0	5.5	5.5
4	---	---	---	---	---	---	---	---	---	5.5	5.0	5.5
5	---	---	---	---	---	---	---	---	---	5.5	5.0	5.0
6	---	---	---	---	---	---	---	---	---	5.0	4.5	4.5
7	---	---	---	18.0	17.5	18.0	---	---	---	4.5	4.0	4.5
8	---	---	---	17.5	17.0	17.5	---	---	---	4.0	3.5	4.0
9	---	---	---	17.0	17.0	17.0	---	---	---	4.0	3.5	3.5
10	---	---	---	17.0	17.0	17.0	---	---	---	4.0	3.5	3.5
11	---	---	---	17.0	17.0	17.0	---	---	---	3.5	3.0	3.5
12	---	---	---	17.0	17.0	17.0	---	---	---	3.5	3.0	3.0
13	---	---	---	17.0	17.0	17.0	---	---	---	3.5	3.0	3.0
14	21.5	20.5	21.0	17.0	17.0	17.0	---	---	---	3.0	2.5	3.0
15	20.5	20.0	20.5	17.0	17.0	17.0	---	---	---	2.5	2.5	2.5
16	20.0	19.5	20.0	17.5	17.0	17.0	---	---	---	2.5	2.0	2.5
17	19.5	19.0	19.5	17.5	17.0	17.5	---	---	---	3.0	2.5	2.5
18	19.5	18.5	19.0	17.0	16.5	17.0	---	---	---	3.0	3.0	3.0
19	19.0	18.5	18.5	16.5	16.0	16.5	---	---	---	4.0	3.0	3.5
20	18.5	18.5	18.5	16.0	15.5	16.0	---	---	---	4.0	4.0	4.0
21	18.5	18.5	18.5	15.5	15.0	15.5	---	---	---	4.5	4.0	4.5
22	18.5	18.5	18.5	15.0	14.5	15.0	---	---	---	4.5	4.0	4.5
23	19.0	18.5	18.5	14.5	14.5	14.5	---	---	---	4.5	4.0	4.0
24	18.5	18.5	18.5	14.5	14.5	14.5	---	---	---	4.5	3.5	4.0
25	18.5	18.5	18.5	14.5	14.0	14.0	---	---	---	4.0	3.5	3.5
26	19.0	18.5	18.5	14.0	14.0	14.0	---	---	---	3.5	3.0	3.5
27	19.0	18.5	18.5	14.0	13.5	13.5	---	---	---	3.5	3.0	3.5
28	18.5	18.5	18.5	14.0	13.0	13.5	6.5	6.5	6.5	3.5	3.0	3.0
29	18.5	18.0	18.0	13.0	12.5	13.0	6.5	6.0	6.0	3.0	2.5	2.5
30	18.5	18.0	18.0	---	---	---	6.0	6.0	6.0	3.0	2.5	2.5
31	18.5	18.0	18.0	---	---	---	6.5	6.0	6.5	3.0	2.5	2.5

07289350 BIG BLACK RIVER AT WEST, MS

LOCATION.--Lat 33°11'39", long 89°46'15", in NW¼ sec.3, T.15 N., R.5 E., Choctaw Meridian, Attala County, Hydrologic Unit 08060201, on downstream side of bridge on State Highway 19, 0.2 mi (0.3 km) east of West, 5.2 mi (8.4 km) upstream from Jordan Creek, and 7.1 mi (11.4 km) downstream from Zilpha Creek.

DRAINAGE AREA.--985 mi² (2,551 km²).

PERIOD OF RECORD.--September 1971 to current year. July 1936 to December 1946 and January 1947 to 1971 (gage heights and occasional discharge measurements) in reports of Corps of Engineers, Vicksburg district.

GAGE.--Water-stage recorder. Datum of gage is 249.74 ft (76.121 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to June 10, 1948, nonrecording gage; and June 10, 1948, to Nov. 2, 1967, recorder at site about 2,000 ft (610 m) downstream at same datum.

REMARKS.--Records fair.

AVERAGE DISCHARGE.--8 years, 1,667 ft³/s (47.21 m³/s), 22.98 in/yr (584 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 57,700 ft³/s (1,630 m³/s) Mar. 16, 1973, gage height, 25.11 ft (7.654 m); minimum, 38 ft³/s (1.08 m³/s) Oct. 27, Nov. 1, 2, gage height, 1.52 ft (0.463 m).

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Mar. 30, 1951, reached a stage of 24.09 ft (7.343 m), 47,000 ft³/s (1,330 m³/s) at site about 2,000 ft (610 m) downstream.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 10,000 ft³/s (283 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)	Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
Jan. 21	0230	29600 838	22.54 6.870	Apr. 13	1650	*48000 1360	24.27 7.397
Mar. 4	0930	11700 331	19.75 6.020	July 15	0630	10300 292	19.42 5.919

Minimum discharge, 38 ft³/s (1.08 m³/s) Oct. 27, Nov. 1, 2, gage height, 1.52 ft (0.463 m).

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	53	38	208	2400	1970	3900	845	408	3340	121	326	144
2	52	39	192	3380	1210	3240	1500	365	3130	117	244	230
3	50	44	153	3890	916	3960	2610	341	3230	110	352	540
4	49	43	775	3430	934	10600	3070	675	3310	105	644	356
5	48	41	768	3950	914	9760	3730	2070	2700	99	389	218
6	47	43	532	3740	1040	9760	4400	2080	1100	96	302	158
7	46	46	292	3150	2360	8130	4200	2100	719	537	236	129
8	45	52	216	2930	2680	5370	3670	2490	585	374	192	113
9	45	61	1170	2460	2490	3610	3390	2480	420	988	579	103
10	44	63	942	2000	2500	2850	3000	1300	341	1310	598	95
11	44	63	710	1460	2600	2310	2610	561	510	1670	412	89
12	43	57	385	764	2100	1900	13200	1230	794	3390	315	84
13	42	53	242	559	1110	1780	45200	1470	570	6380	239	144
14	42	53	188	509	768	1590	38700	1270	335	6610	195	1090
15	42	54	162	459	666	1120	24400	950	247	9910	167	1680
16	41	57	147	390	606	803	13900	543	208	7890	147	1570
17	41	65	144	350	545	650	8650	380	185	5750	132	1750
18	40	81	148	387	1160	577	5180	305	167	3940	124	2000
19	40	96	146	682	1750	543	3470	263	155	2930	115	1770
20	40	102	139	11100	1720	512	2480	237	145	1230	109	1890
21	39	87	160	27600	2050	494	1050	214	141	818	108	3390
22	40	72	242	23100	2420	515	708	198	141	701	446	7370
23	40	66	247	18000	2570	1760	1030	190	142	459	527	6760
24	41	66	215	13700	3320	2690	1380	186	143	312	755	8650
25	39	66	175	9680	4770	2740	1170	188	262	260	1150	8020
26	39	69	152	6880	4880	3180	1050	188	318	276	796	5700
27	38	152	138	5700	4880	4080	1060	169	218	340	497	3790
28	39	191	126	4620	5020	3350	876	159	168	399	319	2630
29	40	205	119	3430	---	2330	627	710	142	468	253	781
30	39	217	120	2950	---	922	478	1790	130	427	203	376
31	39	---	640	2640	---	668	---	2930	---	384	164	---
TOTAL	1327	2342	9993	166290	59949	95674	197634	28440	23996	58401	11035	61620
MEAN	42.8	78.1	322	5364	2141	3086	6588	917	800	1884	356	2054
MAX	53	217	1170	27600	5020	10600	45200	2930	3340	9910	1150	8650
MIN	38	38	119	350	545	494	478	159	130	96	108	84
CFSM	.04	.08	.33	5.45	2.17	3.13	6.69	.93	.81	1.91	.36	2.09
IN.	.05	.09	.38	6.28	2.26	3.61	7.46	1.07	.91	2.21	.42	2.33
CAL YR 1978	TOTAL	385255	MEAN	1055	MAX	22600	MIN	38	CFSM	1.07	IN	14.55
WTR YR 1979	TOTAL	716701	MEAN	1964	MAX	45200	MIN	38	CFSM	1.99	IN	27.07

BIG BLACK RIVER BASIN

07290000 BIG BLACK RIVER NEAR BOVINA, MS

LOCATION.--Lat 32°20'51", long 90°41'48", in NW¼SE¼ sec.22, T.16 N., R.5 E., Washington Meridian, Hinds County, Hydrologic Unit 08060202, on left bank at downstream side of bridge on U.S. Highway 80 (old), 300 ft (90 m) upstream from Clear Creek, 0.4 mi (0.6 km) upstream from Illinois Central Railroad bridge, 2 mi (3 km) east of Bovina, 12 mi (19 km) upstream from Fourteenmile Creek, and at mile 61.7 (99.3 km). Records include flow of Clear Creek.

DRAINAGE AREA.--2,810 mi² (7,280 km²), approximately (includes that of Clear Creek).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--February 1936 to current year. Prior to October 1938 monthly discharge only, published in WSP 1311.

REVISED RECORDS.--WRD Miss. 1968: 1966-67.

GAGE.--Water-stage recorder and supplemental nonrecording gage read twice daily. Datum of gage is 84.93 ft (25.887 m) National Geodetic Vertical Datum of 1929 or 85.00 ft (25.908 m) above mean Gulf level (levels by Corps of Engineers). Prior to Oct. 23, 1941, nonrecording gage at same site and datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--43 years, 3,625 ft³/s (102.7 m³/s); 17.52 in/yr (445 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 83,300 ft³/s (2,360 m³/s) Apr. 16, 1979, gage height, 40.56 ft (12.363 m); minimum, 65 ft³/s (1.84 m³/s) Oct. 2, 1954, gage height, 5.98 ft (1.823 m).

EXTREMES OUTSIDE PERIOD OF RECORD.--From information by local residents, floods at Askews Bridge, 6 mi (10 km) upstream, reached elevations NGVD as follows: Dec. 20, 1961, 139.2 ft (42.43 m); in 1912 and in January 1927, 139 ft (42.4 m); Apr. 1, 1951, 138.5 ft (42.21 m). A flood in May 1930, reached about the same elevation as that of Apr. 1, 1951, at Askews Bridge.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 83,300 ft³/s (2,360 m³/s) Apr. 16, gage height, 40.56 ft (12.363 m); minimum, 134 ft³/s (3.79 m³/s) Nov. 6, gage height, 6.51 ft (1.984 m).

REVISIONS.--The maximum discharge for water year 1978 has been revised to 33,700 ft³/s (954 m³/s) May 15, 1978, gage height, 38.14 ft (11.625 m), superseding figure published in the report for 1978.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	593	138	238	7510	23100	13300	4070	2850	2670	628	1070	746
2	586	138	251	9130	20500	14400	3700	1900	3230	494	1170	1100
3	521	138	424	8820	18200	17000	4000	1460	3660	415	2080	998
4	460	136	1470	8610	15800	18300	7060	3320	3700	358	2230	1150
5	403	136	930	8340	13700	17800	7870	6650	4450	328	1710	1030
6	352	136	667	7950	12400	19100	7630	7050	4930	364	1640	802
7	311	140	576	8900	11900	19600	7390	7040	4410	484	1120	766
8	275	145	898	9340	10800	21800	7100	6700	4110	1600	1100	704
9	230	145	1480	8930	9930	20500	8060	5700	3770	1660	1140	595
10	189	143	2470	8400	9280	18300	8680	4110	2570	1580	926	504
11	187	147	2410	7790	8590	15900	9050	3290	1730	2490	926	444
12	185	151	2050	6820	7920	14000	13600	7300	1170	7300	1360	403
13	183	161	1570	4950	7140	12800	21200	7580	898	8630	1120	376
14	178	172	1150	2920	5380	11900	38700	7180	766	8440	1030	358
15	176	172	882	1890	3820	11300	66500	6550	766	8200	886	412
16	174	174	686	1410	2800	10700	80900	5360	850	7860	758	1770
17	172	174	552	1180	2120	9640	80200	3500	738	7490	662	2750
18	170	181	460	1100	3090	6130	70300	2150	581	7300	588	2670
19	168	181	400	4340	4880	3080	56700	1460	498	7490	532	2370
20	168	178	358	15500	5610	2120	43900	1060	447	7790	491	4610
21	166	178	379	17700	6280	1780	32700	818	412	8300	464	10100
22	164	176	364	21200	6370	1600	26300	658	400	8710	970	9370
23	159	185	337	29200	7970	1630	22200	581	385	8160	1290	8710
24	155	198	322	37900	11700	1760	18700	525	376	7790	746	8470
25	151	203	322	37900	11800	2160	15800	460	662	7350	838	8430
26	149	208	328	37800	11800	3160	14000	434	738	4670	938	8560
27	149	220	337	37900	11900	3710	12600	382	559	2540	1030	8820
28	147	210	340	34700	12300	3720	11400	352	606	1550	1320	9050
29	145	225	328	30800	---	3640	9570	343	639	1280	1430	9110
30	138	236	437	28500	---	3750	5490	790	556	1180	1180	8830
31	138	---	1930	26000	---	3980	---	2460	---	1080	878	---
TOTAL	7342	5125	25346	473430	277080	308560	715370	100013	51277	133511	33623	114008
MEAN	237	171	818	15270	9896	9954	23850	3226	1709	4307	1085	3800
MAX	593	236	2470	37900	23100	21800	80900	7580	4930	8710	2230	10100
MIN	138	136	238	1100	2120	1600	3700	343	376	328	464	358
CFSM	.08	.06	.29	5.43	3.52	3.54	8.49	1.15	.61	1.53	.39	1.35
IN.	.10	.07	.34	6.27	3.67	4.08	9.47	1.32	.68	1.77	.45	1.51

CAL YR 1978	TOTAL	989598	MEAN	2711	MAX	28600	MIN	136	CFSM	.97	IN	13.10
WTR YR 1979	TOTAL	2244685	MEAN	6150	MAX	80900	MIN	136	CFSM	2.19	IN	29.72

07290000 BIG BLACK RIVER NEAR BOVINA, MS--Continued
(National stream-quality accounting network station)

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1959, 1962-63, 1972-73, 1975 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: July 1975 to current year.

WATER TEMPERATURE: July 1975 to current year.

REMARKS.--Water temperature is determined by a local observer; also a water sample is collected for daily specific conductance.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily, 340 micromhos Aug. 24, 1978; minimum daily, 40 micromhos Dec. 11, 1978.

WATER TEMPERATURE: Maximum daily 32.0°C July 6, 1977, July 1, 2, 9, 1978; minimum daily, 2.0°C Jan. 19-20, 1977.

EXTREMES OUTSIDE PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 336 micromhos Oct. 2, 1961; minimum, 44 micromhos Jan. 16, 1973.

WATER TEMPERATURE: Maximum, 29.5°C July 3, 1975; minimum, 6.5°C Jan. 16, 1973.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum daily, 325 micromhos Dec. 25; minimum daily, 23 micromhos Apr. 20.

WATER TEMPERATURES: Maximum daily, 29.0°C on several days in July and Aug.; minimum daily, 2.0°C Jan. 15.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE, WATER (°F C)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	CULI- FORM, FECAL, 0.7 UM-MF (CLS./ 100 ML)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PFR 100 ML)	HARD- NESS (MG/L AS CAC03)	HARD- NESS, NONCAR- BONATE (MG/L CAC03)
OCT											
02...	1500	220	153	6.9	25.0	40	6.2	K44	--	57	2
NOV											
08...	1500	145	200	7.1	17.0	15	8.6	K6	K38	60	0
DEC											
07...	1100	569	160	7.4	13.5	200	8.5	1000	2400	36	0
JAN											
05...	1200	#350	56	6.0	6.0	85	9.9	2200	3100	13	0
FEB											
07...	1630	11700	82	7.1	5.0	200	12.6	660	5500	25	5
MAR											
05...	1300	17600	58	6.6	13.0	200	9.3	590	--	18	0
APR											
02...	1400	3670	110	6.8	18.5	75	8.7	--	3600	40	0
30...	1400	4660	132	6.9	18.5	200	6.5	K44	K60	43	0
JUN											
05...	1800	4400	71	6.7	24.0	150	6.6	3200	4100	19	0
JUL											
16...	1300	7520	52	6.9	20.5	150	6.5	300	1100	13	1
AUG											
09...	1200	1140	108	7.2	29.0	100	6.6	--	9400	31	0
SEP											
05...	1600	990	173	7.6	28.5	30	6.2	--	320	31	4
DATE		CALCIUM RIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, RIS- SOLVED (MG/L AS MG)	SODIUM, RIS- SOLVED (MG/L AS NA)	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALYA- LINITY (MG/L AS)	SULFATE RIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, RIS- SOLVED (MG/L AS CL)	FLUO- RIDE, RIS- SOLVED (MG/L AS F)	
OCT											
02...	13	5.9	10	26	.6	3.1	55	9.0	12	.1	
NOV											
08...	14	6.1	16	36	.9	2.1	62	8.6	16	.1	
DEC											
07...	8.3	3.7	17	47	1.2	4.0	36	9.7	15	.1	
JAN											
05...	3.2	1.3	3.5	30	.4	3.7	14	5.8	4.1	.1	
FEB											
07...	5.9	2.5	4.8	27	.4	2.2	20	8.2	5.2	.1	
MAR											
05...	4.4	1.7	3.5	27	.4	2.4	19	7.3	3.9	--	
APR											
02...	9.5	4.0	6.2	24	.4	1.7	44	7.2	5.4	.0	
30...	10	4.4	8.1	27	.5	2.7	47	5.7	7.2	.1	
JUN											
05...	4.1	2.1	6.9	41	.7	2.4	21	6.6	4.2	.1	
JUL											
16...	3.2	1.2	3.1	30	.4	2.4	12	4.1	3.4	.1	
AUG											
09...	7.6	2.8	6.5	30	.5	2.5	32	7.8	7.5	.1	
SEP											
05...	7.9	2.8	20	55	1.6	3.4	27	6.6	28	.1	

BIG BLACK RIVER BASIN

07290000 BIG BLACK RIVER NEAR BOVINA, MS--Continued
 WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	SILICA, DIS- SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SOLUBLE CONSTITUENTS, DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)	SOLIDS, DIS- SOLVED (TONS PER DAY)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, NH4 + ORG. SUSP. TOTAL (MG/L AS N)
OCT 02...	11	100	97	.14	59.4	.16	.06	.52	.58	.00
NOV 08...	13	116	113	.16	45.4	.05	.10	.32	.42	.03
DEC 07...	9.7	105	89	.14	161	.35	.19	.91	1.1	.00
JAN 05...	5.1	46	36	.06	1040	.23	.15	1.2	1.3	.73
FEB 07...	7.8	63	49	.09	1990	.27	.09	.91	1.0	.00
MAR 05...	6.6	48	41	.07	2280	.25	.11	.99	1.1	.10
APR 02...	8.6	81	70	.11	803	.11	.04	.59	.63	.00
30...	11	88	77	.12	1110	.25	.16	.72	.88	.12
JUN 05...	7.5	51	47	.07	611	.40	.08	.68	.76	.33
JUL 16...	5.8	50	31	.07	1020	.29	.15	1.1	1.2	.68
AUG 09...	10	70	64	.10	215	.25	.09	.91	1.0	.49
SEP 05...	10	112	96	.15	299	.24	.09	.51	.60	.00
DATE	NITRO- GEN, AM- MONIA + ORGANIC DIS. (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)	PHYTO- PLANK- TON, TOTAL (CELLS PER ML)	SEDI- MENT, SUS- PENDED (MG/L)	SEDI- MENT DIS- CHARGE, SUS- PENDED (T/DAY)	SED. SUSP. STEE- RIAM. % FINER THAN .062 MM
OCT 02...	.62	.74	3.3	.170	.100	--	7700	96	57	90
NOV 08...	.39	.47	2.1	.120	.060	2.9	--	43	17	--
DEC 07...	1.1	1.5	6.4	.510	.100	8.8	--	261	401	--
JAN 05...	.57	1.5	6.8	.500	.030	--	240	210	4730	96
FEB 07...	1.2	1.3	5.6	.250	.070	7.7	--	278	8780	95
MAR 05...	1.0	1.4	6.0	.370	.070	9.5	--	191	9080	89
APR 02...	.63	.74	3.3	.240	.040	--	390	451	4470	98
30...	.76	1.1	5.0	.340	.030	7.0	--	641	8070	98
JUN 05...	.43	1.2	5.1	.450	.030	8.5	580	466	5590	98
JUL 16...	.52	1.5	6.6	.450	.030	--	700	542	11000	96
AUG 09...	.51	1.3	5.5	.250	.040	7.4	42000	184	566	93
SEP 05...	.79	.84	3.7	.180	.080	8.0	50000	68	182	98

BIG BLACK RIVER BASIN

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07290000 BIG BLACK RIVER NEAR BOVINA, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	ARSENIC TOTAL (UG/L AS AS)	ARSENIC DIS- SOLVED (UG/L AS AS)	BARIUM, TOTAL RECOV- ERABLE (UG/L AS BA)	BARIUM, SUS- PENDE RECOV- ERABLE (UG/L AS BA)	BARIUM, DIS- SOLVED (UG/L AS BA)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CADMIUM SUS- PENDE RECOV- ERABLE (UG/L AS CD)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	CHRO- MIUM, SUS- PENDE RECOV- ERABLE (UG/L AS CR)
OCT 02...	2	1	100	0	100	1	1	0	10	10
JAN 05...	2	1	0	0	0	2	2	0	20	19
APR 02...	1	1	100	100	0	0	0	0	10	0
JUL 16...	3	1	100	70	30	0	0	1	30	10

DATE	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	COBALT, TOTAL RECOV- ERABLE (UG/L AS CO)	COBALT, SUS- PENDE RECOV- ERABLE (UG/L AS CO)	COBALT, DIS- SOLVED (UG/L AS CO)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	COPPER, SUS- PENDE RECOV- ERABLE (UG/L AS CU)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, SUS- PENDE RECOV- ERABLE (UG/L AS FE)	IRON, DIS- SOLVED (UG/L AS FE)
OCT 02...	0	1	0	1	4	0	4	3400	3400	40
JAN 05...	1	5	5	0	9	0	9	18000	18000	300
APR 02...	10	2	1	1	6	0	6	6600	6200	370
JUL 16...	20	5	5	0	12	8	4	12000	12000	130

DATE	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	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 SUS- PENDE RECOV- ERABLE (UG/L AS HG)	MERCURY DIS- SOLVED (UG/L AS HG)	SELF- NIUM, TOTAL (UG/L AS SE)
OCT 02...	3	0	3	270	140	130	<.5	.0	<.5	0
JAN 05...	11	1	10	810	510	300	.6	.1	<.5	0
APR 02...	11	0	11	270	130	140	<.5	.0	<.5	0
JUL 16...	49	47	2	500	390	110	<.5	.0	<.5	0

DATE	SILVER, TOTAL RECOV- ERABLE (UG/L AS SE)	SILVER, SUS- PENDE RECOV- ERABLE (UG/L AS SE)	SILVER, DIS- SOLVED (UG/L AS SE)	SILVER, TOTAL RECOV- ERABLE (UG/L AS AG)	SILVER, SUS- PENDE RECOV- ERABLE (UG/L AS AG)	SILVER, DIS- SOLVED (UG/L AS AG)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	ZINC, SUS- PENDE RECOV- ERABLE (UG/L AS ZN)	ZINC, DIS- SOLVED (UG/L AS ZN)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C)	CARBON, ORGANIC SUS- PENDE RECOV- ERABLE (MG/L AS C)
OCT 02...	0	0	0	0	0	0	20	20	0	7.3	2.2
JAN 05...	0	0	0	0	0	0	80	60	20	17	5.2
APR 02...	0	0	0	0	0	0	40	20	20	8.4	.7
JUL 16...	0	0	0	0	0	0	40	30	10	6.3	4.1

BIG BLACK RIVER BASIN

07290000 BIG BLACK RIVER NEAR BOVINA, MS--Continued
 PHYTOPLANKTON ANALYSES, OCTOBER 1978 TO SEPTEMBER 1979

DATE TIME	OCT 3,78 1500	JAN 5,79 1200	APR 2,79 1400	JUN 5,79 1800				
TOTAL CELLS/ML	7700	240	390	580				
DIVERSITY: DIVISION	1.2	1.0	0.9	0.8				
..CLASS	1.2	1.0	0.9	0.8				
...ORDER	1.6	1.0	1.1	0.8				
...FAMILY	2.3	2.1	2.2	1.4				
...GENUS	3.1	2.1	2.3	1.4				
ORGANISM	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT
CHLOROPHYTA (GREEN ALGAE)								
..CHLOROPHYCEAE								
...CHLOROCOCCALES								
...CHARACIACEAE								
...SCHROEDERIA	--	-	--	-	--	-	--	-
...CHLOROCOCCACEAE								
...CHLOROCOCCUM	--	-	--	-	--	-	--	-
...COELASTRACEAE								
...COFLASTRUM	180	2	--	-	--	-	--	-
...MICRACETINIACEAE								
...GULENKINIA	--	-	--	-	--	-	--	-
...MICRACETINIUM	--	-	--	-	--	-	--	-
...UCCYSTACEAE								
...ANKISTRUDOSMUS	120	2	24	10	58	15	65	11
...CHLORELLA	--	-	--	-	--	-	--	-
...DICTYOSPHAERIUM	3100#	40	--	-	--	-	--	-
...KIRCHNERIELLA	*	0	--	-	--	-	--	-
...RADIOCOCCUS	230	3	--	-	--	-	--	-
...SELENASTRUM	90	1	--	-	--	-	--	-
...TREPARIAS	*	0	--	-	--	-	--	-
...VESTIELLA	140	2	--	-	--	-	--	-
...SCENEDESMACEAE								
...ACTINASTRUM	--	-	--	-	--	-	--	-
...CHUCIGENTIA	410	5	--	-	--	-	--	-
...SCENEDESMUS	660	9	97#	40	58	15	390#	67
...TETRASTRUM	90	1	--	-	--	-	--	-
..TETRASPORALES								
...PALMELLACEAE								
...SPHAEROCYSTIS	--	-	--	-	--	-	--	-
...TETRASPORACEAE								
...TETRASPORA	210	3	--	-	--	-	--	-
...VOLVOCALES								
...CHLAMYDOMONADACEAE								
...CHLAMYDOMONAS	*	0	--	-	--	-	--	-
CHRYSTOPHYTA								
..BACTILLARIOPHYCEAE								
...CENTRALES								
...COSCINODISCACEAE								
...CYCLOTELLA	180	2	--	-	14	4	--	-
...MELUSIRA	90	1	--	-	--	-	--	-
...SKELETONEMA	--	-	--	-	--	-	--	-
...PENNACEAE								
...FRAGILARIACEAE								
...ASTERIONELLA	--	-	48#	20	--	-	--	-
...SYNEURA	--	-	--	-	29	7	--	-
...PERTUSIACEAE								
...PERTUSION	--	-	--	-	14	4	--	-
...NAVICULACEAE								
...GYRUSIGMA	*	0	--	-	--	-	--	-
...NAVICULA	--	-	48#	20	14	4	65	11
...PIALLANTIA	--	-	--	-	14	4	--	-
...PLFUSIGMA	--	-	--	-	--	-	--	-
...NITZSCHACEAE								
...NITZSCHIA	*	0	24	10	190#	48	65	11
...SURIRELLACEAE								
...SURIRELLA	*	0	--	-	--	-	--	-
...XANTHOPHYCEAE								
..HETEROCOCCALES								
...CHLOROTHECIACEAE								
...CPHICCYTUM	*	0	--	-	--	-	--	-
CRYPTOPHYTA (CRYPTOMONADS)								
..CRYPTOPHYCEAE	--	-	--	-	--	-	--	-

BIG BLACK RIVER BASIN

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07290000 BIG BLACK RIVER NEAR BOVINA, MS--Continued
PHYTOPLANKTON ANALYSES, OCTOBER 1978 TO SEPTEMBER 1979

DATE TIME	OCT 3,78 1500	JAN 5,79 1200	APR 2,79 1400	JUN 5,79 1800
(ORGANISM)	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT
CYANOPHYTA (BLUE-GREEN ALGAE)				
..CYANOPHYCEAE				
...CHROOCOCCALES				
....CHROOCOCCACEAE				
.....AGMONELLUM	270	4	--	--
.....ANACYSTIS	1000	13	--	--
...HORMOGONIALES				
....NOSTOCACEAE				
.....ANABAEANA	*	0	--	--
.....ANABAENOPSIS	--	--	--	--
...USCILLATORIALES				
....USCILLATORIA	740	10	--	--
....SCHIZOTHRIX	--	--	--	--
EUGLENOPHYTA (EUGLENOIDS)				
..EUGLENOPHYCEAE				
...EUGLENALFES				
....EUGLENACEAE				
.....EUGLENA	68	1	--	--
.....PHACUS	*	0	--	--
.....TRACHELOMONAS	*	0	--	--

NOTE: * = DOMINANT ORGANISM; EQUAL TO OR GREATER THAN 15%

* = OBSERVED ORGANISM, MAY NOT HAVE BEEN COUNTED; LESS THAN 1/2%

DATE TIME	JUL 16,79 1300	AUG 9,79 1200	SEP 5,79 1600
TOTAL CELLS/ML	700	42000	50000
DIVERSITY: DIVISION	0.5	0.6	1.1
..CLASS	0.5	0.6	1.1
...ORDER	0.6	1.2	0.0
....FAMILY	1.5	1.7	0.0
.....GENUS	2.0	1.7	0.0

ORGANISM	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT
CHLOROPHYTA (GREEN ALGAE)						
..CHLOROPHYCEAE						
...CHLOROCOCCALES						
....CHARACTACEAE			*	0	--	--
....SCHROEDERIA	--	--				
....CHLOROCOCCACEAE						
....CHLOROCOCCUM	--	--	--	--	280	1
...COELASTRACEAE						
....COELASTRUM	--	--	770	2	7600#	15
...MICRACTINIALES						
....GOLENKINIA	--	--	--	--	*	0
....MICRACTINIUM	--	--	620	1	280	1
...DUCYSTACEAE						
....ANKISTRODESMUS	10	1	460	1	1300	3
....CHLORELLA	--	--	--	--	390	1
....DICTYOSPHAERIUM	--	--	--	--	4100	8
....KIRCHNERIELLA	--	--	--	--	720	1
....RADIOCOCCUS	--	--	--	--	--	--
....SELENASTRUM	--	--	*	0	*	0
....TREUBARIA	--	--	--	--	--	--
....WESTELLA	--	--	930	2	--	--
...SCENEDESMACEAE						
....ACTINASTRUM	--	--	--	--	890	2
....CRUCIGENIA	--	--	--	--	--	--
....SCENEDESMUS	--	--	1200	3	3500	7
....TETRASTRUM	--	--	310	1	*	0
...TETRASPORALES						
....PALMELLACEAE						
....SPHAEROCYSTIS	--	--	--	--	440	1
....TETRASPORACEAE						
....TETRASPORA	--	--	--	--	--	--
...VOLVOCALES						
....CHLAMYDOMONADACEAE						
....CHLAMYDOMONAS	--	--	*	0	--	--

BIG BLACK RIVER BASIN

07290000 BIG BLACK RIVER NEAR BOVINA, MS--Continued
 PHYTOPLANKTON ANALYSES, OCTOBER 1978 TO SEPTEMBER 1979

DATE TIME	JUL 16, 79 1300		AUG 9, 79 1200		SEP 5, 79 1600	
ORGANISM	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT
CHYSDOPHYTA						
..BACILLARIOPHYCEAE						
..CENTRALES						
...DUSCINODISCACEAE						
...CYCLOTELLA	5	1	*	0	280	1
...HELOSIRA	29	4	*	0	*	0
...SMFLETONEMA	--	-	--	-	*	0
..PENNACEAE						
...FRAGILARIACEAE						
...ASTERIONELLA	--	-	--	-	--	-
...SYNEORA	--	-	--	-	--	-
...MERIDIIONACEAE						
...MERIDIION	--	-	--	-	--	-
...NAVICULACEAE						
...GYROSIGMA	--	-	--	-	--	-
...NAVICULA	10	1	--	-	*	0
...PINNULARIA	--	-	--	-	--	-
...PLEUROSIGMA	10	1	--	-	*	0
...NITZSCHIA	5	1	--	-	*	0
...SUPRARELLACEAE						
...SUPRARELLA	--	-	--	-	--	-
..XANTHOPHYCEAE						
..HETEROCOCCALES						
...CHLOROTHECIACEAE						
...OPHICCYTIUM	--	-	--	-	--	-
CRYPTOPHYTA (CRYPTOMONADS)						
..CRYPTOPHYCEAE	--	-	--	-	*	0
CYANOPHYTA (BLUE-GREEN ALGAE)						
..CYANOPHYCEAE						
...CHROOCOCCALES						
...CHROOCOCCACEAE						
...AGMENELLUM	--	-	--	-	890	2
...ANACYSTIS	--	-	6000	14	17000#	34
..HORMOGONIALES						
...NOSTOCACEAE						
...ANABAENA	--	-	--	-	670	1
...ANABAENOPSIS	290#	41	2300	6	11000#	21
...OSCILLATORIA	240#	34	28000#	68	*	0
...SCHIZOTHRIX	110#	15	--	-	--	-
EUGLENOPHYTA (EUGLENIDS)						
..EUGLENOPHYCEAE						
..EUGLENALES						
...EUGLENACEAE						
...EUGLENA	--	-	*	0	*	0
...PHACUS	--	-	--	-	--	-
...TRACHELOMONAS	--	-	*	0	--	-

NOTE: # = DOMINANT ORGANISM; EQUAL TO OR GREATER THAN 15%

* = OBSERVED ORGANISM, MAY NOT HAVE BEEN COUNTED; LESS THAN 1/2%

BIG BLACK RIVER BASIN

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07290000 BIG BLACK RIVER NEAR BOVINA, MS--Continued

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	130	185	160	100	35	52	54	120	100	120	105	140
2	140	190	150	70	43	58	73	125	90	125	110	160
3	150	185	130	60	45	50	103	120	65	140	95	175
4	149	190	290	58	48	58	131	130	60	160	95	190
5	148	180	145	56	52	57	100	140	63	150	80	150
6	150	170	150	54	60	54	80	85	70	170	90	150
7	150	185	150	55	80	49	71	85	65	140	95	130
8	160	185	105	60	71	45	68	80	75	135	95	150
9	160	190	100	60	66	43	91	80	70	150	100	100
10	160	190	100	57	61	45	71	90	---	85	105	120
11	155	---	65	58	64	47	63	85	85	100	120	120
12	165	---	66	54	65	47	90	120	85	90	110	125
13	165	190	80	58	67	51	68	95	100	45	100	130
14	165	185	72	70	76	50	44	72	70	46	100	140
15	170	185	68	69	63	51	45	75	110	45	95	140
16	170	140	70	75	85	55	35	72	110	40	100	135
17	175	180	81	77	95	60	32	85	110	44	105	70
18	175	180	80	86	110	85	30	100	110	43	110	52
19	180	180	85	96	110	95	25	120	110	43	115	52
20	180	170	75	84	93	98	23	105	120	60	120	48
21	180	175	89	61	83	105	25	120	130	58	125	75
22	190	165	95	52	80	90	35	130	135	60	130	85
23	180	130	92	47	92	120	28	140	140	55	110	60
24	190	160	106	44	90	133	47	145	150	54	100	56
25	190	160	325	41	65	210	48	150	130	56	130	55
26	185	155	115	52	60	108	61	155	125	70	280	54
27	185	150	100	40	57	77	61	155	150	85	120	58
28	200	155	113	42	55	65	63	---	170	65	180	60
29	200	155	132	41	---	63	71	155	195	95	115	65
30	190	155	125	40	---	58	110	170	140	100	110	64
31	190	---	114	40	---	53	---	120	---	54	125	---

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	23.0	18.0	12.5	12.5	4.0	9.5	18.0	18.0	21.5	29.0	25.0	28.0
2	25.0	19.0	13.0	8.5	4.5	11.0	18.0	18.0	22.0	28.5	29.0	28.0
3	22.0	17.5	16.0	7.5	4.5	13.5	17.0	18.0	23.5	27.5	22.0	26.0
4	22.5	17.5	14.5	6.5	4.5	13.0	16.5	18.0	22.0	29.0	27.0	26.5
5	---	16.5	12.0	6.0	5.0	11.0	15.5	18.0	23.0	29.0	27.0	27.0
6	21.0	18.5	12.0	5.5	5.0	11.5	15.5	18.0	23.5	29.0	28.0	27.0
7	21.0	17.5	14.5	5.0	5.0	12.0	16.5	19.0	24.5	28.5	28.0	26.5
8	18.5	14.0	17.5	4.0	4.5	12.5	17.5	20.0	24.5	27.0	29.0	27.0
9	18.0	13.0	12.5	3.0	3.5	11.5	16.5	20.5	25.0	27.0	28.0	28.0
10	20.0	13.0	8.0	3.0	4.0	11.0	16.0	21.0	---	26.0	28.0	27.5
11	17.5	---	7.5	3.0	4.0	11.5	18.0	22.0	23.0	26.5	29.0	25.5
12	18.5	---	5.5	3.5	4.0	11.0	19.0	21.5	23.0	23.5	28.0	25.5
13	19.5	18.0	5.5	4.0	5.5	12.0	19.0	19.0	24.0	24.0	26.0	26.0
14	19.0	18.0	6.5	3.0	6.5	13.0	18.0	19.5	24.0	24.0	27.0	24.5
15	18.0	18.0	5.5	2.0	8.0	12.0	19.0	18.5	24.0	24.5	28.0	22.0
16	17.0	18.0	7.0	3.5	7.5	12.5	19.0	20.5	24.0	25.0	27.0	19.5
17	16.0	17.5	6.0	4.5	6.5	13.0	18.5	21.0	24.0	20.5	27.0	22.0
18	17.0	17.0	6.5	7.0	6.5	14.0	19.5	21.0	25.0	26.0	27.0	22.0
19	14.5	15.0	9.0	8.0	4.5	14.5	19.5	23.0	26.5	26.0	27.0	22.0
20	15.0	15.0	11.0	13.5	5.5	16.5	18.0	23.5	27.5	26.0	28.5	22.0
21	16.0	15.0	11.0	11.5	6.5	16.5	18.5	24.0	28.0	26.0	28.0	21.5
22	18.0	15.0	4.5	10.0	8.0	17.5	19.5	24.0	27.0	25.0	23.5	21.0
23	18.0	16.5	11.5	10.0	9.0	17.0	19.5	24.0	27.0	26.5	25.0	21.0
24	18.0	16.5	10.0	7.5	12.0	15.0	20.0	23.0	28.0	26.0	24.5	22.5
25	19.0	16.5	8.0	8.0	11.5	13.5	20.0	21.0	27.0	27.0	26.0	20.0
26	19.0	16.5	8.5	7.0	10.0	10.0	20.5	21.5	24.5	27.0	26.0	20.0
27	20.0	17.0	7.5	6.5	9.0	15.0	19.0	22.0	25.0	27.0	26.0	20.5
28	18.0	14.0	7.0	5.0	10.0	15.0	19.0	22.0	24.0	28.0	27.0	20.0
29	17.0	14.0	7.0	5.0	---	15.5	19.0	23.0	26.0	27.5	28.0	20.5
30	16.5	13.5	8.5	4.5	---	16.0	18.0	22.0	27.0	27.5	28.0	20.5
31	17.0	---	13.0	4.0	---	17.0	---	21.0	---	28.5	28.0	---

BAYOU PIERRE BASIN

07290650 BAYOU PIERRE NEAR WILLOWS, MS

LOCATION.--Lat 32°00'55", long 90°53'00", in lot 16, T.12 N., R.3 E., Washington Meridian, Claiborne County, Hydrologic Unit 08060203, near right bank at downstream side of bridge on county highway, 1.4 mi (2.3 km) upstream from South Fork Bayou Pierre, and 1.7 mi (2.7 km) southeast of Willows.

DRAINAGE AREA.--653 mi² (1,691 km²).

PERIOD OF RECORD.--Annual maximums, water years 1959-61. June 1961 to current year.

GAGE.--Water-stage recorder. Datum of gage is 82.34 ft (25.096 m) National Geodetic Vertical Datum of 1929. Sept. 9, 1958, to May 31, 1961, crest-stage gage at same site and datum.

REMARKS.--Records fair. Note.--No gage height record Mar. 10 to Apr. 12.

AVERAGE DISCHARGE.--18 years, 870 ft³/s (24.64 m³/s), 18.09 in/yr (459 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 51,000 ft³/s (1,440 m³/s) Apr. 13, 1974, gage height, 27.33 ft (8.330 m); maximum gage height, 27.42 ft (8.358 m) Oct. 5, 1964; minimum discharge, 19 ft³/s (0.54 m³/s) Oct. 6, 1969; minimum gage height, 2.17 ft (0.661 m) Nov. 4, 5, 6, 1971.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 15,000 ft³/s (425 m³/s) and maximum (*);

Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)	Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)				
Jan. 1	1900	17300	490	20.88	6.364	Feb. 24	1430	44200	1252	26.68	8.132
Jan. 7	1600	19500	552	21.99	6.703	Mar. 3	2000	19600	555	22.03	6.715
Jan. 21	0345	*46400	1314	26.87	8.190						

Minimum discharge, 45 ft³/s (1.27 m³/s) Nov. 3, 4, 6; minimum gage height 2.92 ft (0.890 m) Oct. 29, 30, Nov. 3, 4.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	72	48	506	11500	2500	1690	380	570	458	102	117	88
2	68	48	168	5430	1360	1510	400	538	743	103	105	154
3	65	46	164	2070	1430	14100	3500	499	386	77	199	110
4	65	44	1140	869	2790	11200	7600	707	294	70	294	237
5	65	45	838	626	2110	4330	3500	2010	267	66	188	195
6	65	46	338	1130	7140	2120	1500	1410	748	68	124	97
7	59	66	191	14400	10200	1340	1000	685	332	595	102	77
8	55	82	829	4970	3810	1070	860	566	195	1170	95	73
9	55	69	10300	1590	2050	901	790	461	158	558	91	70
10	54	65	2400	824	1140	1000	720	412	230	228	88	68
11	54	63	1430	631	905	1190	820	392	357	249	85	66
12	54	58	510	506	784	1000	11000	1380	146	4120	117	65
13	54	52	332	419	689	820	5000	1690	117	1250	112	64
14	53	54	257	364	622	700	2500	802	106	1590	106	110
15	51	53	206	302	570	600	1400	506	100	775	95	70
16	51	58	184	254	506	540	1000	365	97	348	88	64
17	50	59	170	235	476	520	806	280	94	218	85	60
18	49	74	150	5140	5500	500	712	235	91	164	78	120
19	49	66	146	10300	3050	480	613	210	88	170	74	90
20	49	63	140	35100	1820	450	562	192	85	314	70	450
21	48	60	180	37000	1320	500	558	179	81	1180	235	1200
22	48	55	230	8620	1470	780	2160	172	81	671	409	2500
23	52	55	218	4290	13500	1200	8510	1210	81	308	685	1300
24	51	59	180	5490	39500	800	5250	2020	92	174	252	600
25	51	61	254	2730	20600	650	6050	582	91	199	317	260
26	50	63	206	2970	5300	510	1630	294	100	195	815	200
27	49	150	168	6380	2610	410	1190	216	117	1130	386	162
28	48	184	142	2830	1700	370	1000	188	88	582	206	140
29	48	302	135	1810	---	355	725	186	77	311	166	121
30	46	689	668	3870	---	365	599	604	78	174	184	110
31	48	---	5920	6940	---	395	---	360	---	137	124	---
TOTAL	1676	2837	28700	179590	135452	52396	72335	19921	5978	17296	6092	8921
MEAN	54.1	94.6	926	5793	4838	1690	2411	643	199	558	197	297
MAX	72	689	10300	37000	39500	14100	11000	2020	748	4120	815	2500
MIN	46	44	135	235	476	355	380	172	77	66	70	60
CFSM	.08	.15	1.42	8.87	7.41	2.59	3.69	.99	.31	.86	.30	.46
IN.	.10	.16	1.63	10.23	7.72	2.98	4.12	1.13	.34	.99	.35	.51
CAL YR 1978	TOTAL	303761	MEAN	832	MAX	33600	MIN	44	CFSM	1.27	IN	17.30
WTR YR 1979	TOTAL	531194	MEAN	1455	MAX	39500	MIN	44	CFSM	2.23	IN	30.26

07291000 HOMOCHITTO RIVER AT EDDICETON, MS

LOCATION.--Lat 31°30'10", long 90°46'35", in SE¼NE¼ sec.11, T.6 N., R.4 E., Washington Meridian, Franklin County, Hydrologic Unit 08060205, on left bank at upstream side of Illinois Central Gulf Railroad bridge, 900 ft (270 m) downstream from bridge on U.S. Highway 84, 0.4 mi (0.6 km) upstream from McCall Creek, and 0.8 mi (1.3 km) east of Eddiceton.

DRAINAGE AREA.--180 mi² (470 km²), approximately.

PERIOD OF RECORD.--October 1938 to current year.

REVISED RECORDS.--WSP 1281: 1939-40, 1942-44, 1949-50.

GAGE.--Water-stage recorder. Datum of gage is 217.22 ft (66.209 m) National Geodetic Vertical Datum of 1929. Prior to May 26, 1942, nonrecording gage at site 900 ft (270 m) upstream at present datum.

REMARKS.--Records fair to June 1 and poor thereafter.

AVERAGE DISCHARGE.--41 years, 261 ft³/s (7.392 m³/s), 19.69 in/yr (500 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 55,400 ft³/s (1,570 m³/s) Apr. 13, 1974, gage height, 19.53 ft (5.95 m); minimum discharge, 26 ft³/s (0.74 m³/s) Sept. 10, 1952 (temporary regulation); minimum unregulated, 28 ft³/s (0.79 m³/s) Sept. 2, 4, 1954, Sept. 29, 1956.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 9,000 ft³/s (255 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)	Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
Jan. 20	---	*20300 575	12.54 3.822	Apr. 22	2100	16600 470	11.18 3.408

Minimum daily discharge, 47 ft³/s (1.33 m³/s) Oct. 28 - Nov. 5.

a From floodmark

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	59	47	115	4090	523	348	144	233	133	76	100	70
2	57	47	88	865	372	306	250	210	122	70	90	130
3	57	47	90	381	896	4850	1000	196	155	64	130	90
4	60	47	528	266	1150	1360	2500	257	155	62	120	150
5	56	47	169	217	1120	678	1000	311	108	60	110	140
6	54	53	105	1350	3440	489	600	206	103	58	100	80
7	53	65	90	1000	2040	416	400	172	94	70	90	70
8	53	57	489	600	758	362	300	158	94	100	80	64
9	53	53	3220	300	494	325	250	146	92	140	76	62
10	53	52	377	250	381	320	270	138	100	100	72	60
11	53	52	199	200	329	426	700	133	250	500	70	60
12	53	50	152	180	293	325	3500	155	120	200	90	58
13	50	50	130	160	271	284	1500	141	90	100	80	58
14	50	50	115	150	253	262	700	125	80	150	76	90
15	50	50	105	140	237	229	400	115	74	110	74	80
16	50	56	100	130	217	217	300	108	70	90	70	66
17	50	62	96	120	213	217	240	105	66	80	68	60
18	50	57	90	150	1670	210	260	103	64	74	66	80
19	50	53	88	1000	665	203	230	100	62	150	62	70
20	50	53	88	12000	391	192	220	98	60	200	60	500
21	49	52	144	3000	353	185	953	96	60	350	100	2000
22	49	52	117	1000	311	213	9580	96	58	250	80	1000
23	49	52	96	700	3560	401	5220	362	58	150	65	500
24	49	52	110	1300	8930	229	1010	249	58	110	133	300
25	49	52	112	600	2240	178	721	115	60	100	213	150
26	49	60	92	700	728	164	606	96	64	130	203	100
27	49	164	84	2130	494	158	1020	92	80	300	172	90
28	47	108	80	652	411	152	386	90	70	200	150	80
29	47	505	80	446	---	149	302	96	62	160	100	70
30	47	297	826	881	---	146	266	257	60	130	150	62
31	49	---	1490	1470	---	144	---	210	---	110	100	---
TOTAL	1594	2442	9665	36428	32740	14138	34828	4969	2722	4444	3150	6390
MEAN	51.4	77.2	312	1175	1169	456	1161	160	90.7	143	102	213
MAX	60	505	3220	12000	8930	4850	9580	362	250	500	213	2000
MIN	47	47	80	120	213	144	144	90	58	58	60	58
CFSM	.29	.45	1.73	6.53	6.49	2.53	6.45	.89	.50	.79	.57	1.18
IN.	.33	.50	2.00	7.53	6.77	2.92	7.20	1.03	.56	.92	.65	1.32

CAL YR 1978 TOTAL 108026 MEAN 296 MAX 16700 MIN 45 CFSM 1.64 IN 22.33
WTR YR 1979 TOTAL 153510 MEAN 421 MAX 12000 MIN 47 CFSM 2.34 IN 31.73

HOMOCHITTO RIVER BASIN

07292500 HOMOCHITTO RIVER AT ROSETTA, MS

LOCATION (REVISED).--Lat 31°19'30", long 91°06'24", in sec.12, T.4 N., R.1 E., Washington Meridian, Franklin County, Hydrologic Unit 08060205, near right bank on downstream side of Illinois Central Railroad bridge, 800 ft (240 m) upstream from State Highway 33 at Rosetta, 0.8 mi (1.3 km) downstream from Foster Creek, and 4.0 mi (6.4 km) upstream from Dry Creek.

DRAINAGE AREA.--750 mi² (1,940 km²), approximately.

WATER-DISCHARGE RECORD

PERIOD OF RECORD.--June to November 1906 (gage heights and discharge measurements only), October 1951 to current year. February 1949 to September 1951 (gage heights and discharge measurements only) in reports of Corps of Engineers, Vicksburg district.

REVISED RECORDS.--WSP 1731: 1955(M). WSP 1920: 1955.

GAGE.--Water-stage recorder; nonrecording gage read twice daily at site 800 ft downstream. Datum of gage is 94.39 ft (28.770 m) National Geodetic Vertical Datum of 1929. June 16 to Nov. 12, 1906, nonrecording gage at present site at different datum; February 1949 to November 1976, at State Highway 33 bridge 800 ft (240 m) downstream at same datum.

REMARKS.--Records poor.

AVERAGE DISCHARGE.--28 years, 1,094 ft³/s (30.98m³/s), 19.81 in/yr (503 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 150,000 ft³/s (4,250 m³/s) Apr. 13, 1974, from rating curve extended above 47,000 ft³/s (1,330 m³/s); maximum gage height, 36.03 ft (10.982 m) May 4, 1953; minimum discharge, 129 ft³/s (3.65 m³/s) Sept. 22-25, 28-30, 1956.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since February 1949, 37.80 ft (11.521 m) Mar. 31, 1949, from reports of Corps of Engineers, Vicksburg district.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 16,000 ft³/s (453 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)	Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
Dec. 9	0700	16800 476	14.97 4.563	Mar. 3	1645	24000 680	16.17 4.929
Jan. 20	--	69500 1968	20.56 6.267	Apr. 4	0630	24600 697	16.26 4.956
Feb. 6	2015	19600 555	15.48 4.718	Apr. 12	0545	45000 1274	18.68 5.694
Feb. 24	0445	*77200 2186	21.05 6.416	Apr. 22	2300	70800 2005	20.65 6.294

a From floodmark

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	291	221	631	8130	2400	1690	962	1350	894	291	481	379
2	279	221	374	4520	1600	1400	1700	1160	962	287	442	458
3	262	217	313	2010	2540	14400	8900	1020	604	247	442	1730
4	369	217	1820	1300	4950	7400	13100	1080	1170	239	431	665
5	336	214	1310	1040	4720	3850	3870	3220	790	239	415	447
6	275	221	498	1160	11400	2680	2050	1370	559	239	394	425
7	255	283	364	6570	9500	2150	1460	1020	504	279	374	404
8	247	309	610	3540	4260	1880	1180	1090	469	318	369	350
9	251	247	10800	1930	3170	1740	1090	945	436	389	359	350
10	251	239	2960	1370	2440	1650	962	869	415	313	355	340
11	255	247	1250	1130	2050	1870	1140	797	420	693	350	340
12	262	251	902	1020	1800	1630	19700	997	442	2440	442	330
13	267	251	797	911	1630	1340	7760	1170	374	790	415	330
14	255	247	672	813	1510	1230	3610	797	359	853	359	600
15	247	247	591	752	1400	1100	2040	707	345	591	597	500
16	247	247	553	693	1280	1050	1510	658	331	442	420	400
17	247	296	516	665	1150	1040	1240	624	331	350	340	350
18	251	304	464	707	4630	1020	1090	604	322	340	327	500
19	259	271	447	980	3390	1010	988	559	313	861	322	450
20	267	259	447	49600	2240	988	911	534	304	1110	318	1000
21	267	259	584	17800	1910	971	1530	516	296	1350	481	10000
22	271	251	686	5520	1680	1010	42300	504	291	1300	420	5000
23	262	247	486	3670	8730	1570	26100	797	291	637	442	2500
24	259	251	453	6470	43200	1390	6990	1380	283	522	624	1500
25	259	251	522	2610	12200	1030	4830	715	275	665	829	1000
26	259	267	453	2680	5160	945	3060	584	318	805	877	800
27	255	617	415	8000	2890	911	4580	528	287	1150	679	600
28	251	624	399	3570	2040	886	2460	504	267	1040	522	500
29	243	651	389	2190	---	869	1780	504	259	644	469	450
30	228	2400	644	2030	---	919	1510	744	255	534	442	400
31	224	---	5450	5570	---	1010	---	1150	---	486	369	---
TOTAL	8151	10827	36800	148951	145870	62629	170403	28497	13206	20444	14106	33098
MEAN	263	361	1187	4805	5210	2020	5680	919	440	659	455	1103
MAX	369	2400	10800	49600	43200	14400	42300	3220	1170	2440	877	10000
MIN	224	214	313	665	1150	869	911	504	255	239	318	330
CFSM	.35	.48	1.58	6.41	6.95	2.69	7.57	1.23	.59	.88	.61	1.47
IN.	.40	.54	1.83	7.39	7.24	3.11	8.45	1.41	.66	1.01	.70	1.64

CAL YR 1978 TOTAL 438754 MEAN 1202 MAX 36100 MIN 214 CFSM 1.60 IN 21.76
WTR YR 1979 TOTAL 692982 MEAN 1899 MAX 49600 MIN 214 CFSM 2.53 IN 34.37

HOMOCHITTO RIVER BASIN

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07292500 HOMOCHITTO RIVER AT ROSETTA, MS--Continued
(National stream-quality accounting network station)

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water year 1958-59, 1967-68, 1970-71, 1975 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: February 1975 to current year.

WATER TEMPERATURE: February 1975 to current year.

REMARKS.--Water temperature is determined by a local observer; also a water sample is collected for daily specific conductance.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily, 180 micromhos Oct. 4, 1977, Aug. 5, 1978; minimum daily, 20 micromhos June 8, 1975.

WATER TEMPERATURES: Maximum daily, 35.0°C Aug. 1, 4, 9, 1976 and on many days during summer 1978; minimum daily 4.0°C, Jan. 20, 1978.

EXTREMES OUTSIDE PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 300 micromhos July 29, 1970; minimum 45 micromhos Oct. 8, 1969, Jan. 9, 1975.

WATER TEMPERATURE: Maximum, 33.0°C, Sept. 9, 1970; minimum, 7.0°C Jan. 11, 1967.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	STREAM- FLOW, INSTAN- TANGLS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE, WATER (DEG C)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	COLI- FORM, FFCAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCCI FFCAL, KF AGAR (COLS. PER 100 ML)	HARD- NESS (MG/L AS CACO3)	HARD- NESS, NUNCAH- RUNATE (MG/L CACO3)
OCT											
05...	1330	309	88	7.3	24.5	20	7.2	220	K83	14	6
NOV											
08...	1300	309	93	7.2	17.0	8.0	7.9	120	K34	10	0
DEC											
05...	1400	997	68	6.6	15.0	150	8.4	>1200	900	11	2
JAN											
04...	1300	1300	64	6.9	6.5	35	10.7	250	250	13	3
FEB											
16...	1300	1260	70	6.5	15.0	15	8.9	560	K69	12	3
MAR											
07...	1330	2110	52	6.4	13.0	30	8.4	350	K230	10	2
APR											
10...	1130	954	64	6.8	19.0	25	8.9	640	160	13	0
MAY											
03...	1300	1020	78	6.5	23.0	20	8.2	100	100	13	5
JUN											
06...	1300	559	87	6.4	29.0	20	6.5	330	K120	14	0
JUL											
05...	1330	239	106	6.6	31.0	6.0	5.7	370	--	16	0
AUG											
08...	1400	364	98	7.1	33.5	7.0	5.1	3000	1200	15	1
SEP											
06...	1230	410	77	7.6	24.5	20	6.8	--	--	13	0

DATE	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LITY (MG/L AS CACO3)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLOU- RIDE, DIS- SOLVED (MG/L AS F)
OCT									
05...	3.2	1.4	10	59	1.2	1.3	8	2.1	17
NOV									
08...	2.5	.9	9.0	63	1.2	1.3	12	2.0	18
DEC									
05...	2.6	1.1	7.5	53	1.0	2.5	9	3.1	13
JAN									
04...	3.1	1.2	6.0	47	.7	1.7	10	4.2	11
FEB									
16...	2.9	1.1	6.2	51	.8	1.1	9	3.5	11
MAR									
07...	2.3	1.0	4.6	47	.6	1.0	8	3.3	6.9
APR									
10...	3.2	1.1	5.7	47	.7	1.2	15	2.3	9.3
MAY									
03...	3.2	1.2	7.8	54	.9	1.3	8	3.1	14
JUN									
06...	3.3	1.3	10	59	1.2	1.4	16	1.9	16
JUL									
05...	4.1	1.4	14	63	1.5	1.6	16	2.0	22
AUG									
08...	3.8	1.4	12	61	1.3	1.3	14	3.2	19
SEP									
06...	3.3	1.2	8.3	54	1.0	1.5	17	1.8	14

HOMOCHITTO RIVER BASIN

07292500 HOMOCHITTO RIVER AT ROSETTA, MS--Continued
 WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	SILICA, DIS- SOLVED (MG/L AS SiO ₂)	SOLIDS, RESIDUE AT 180 DEG. C 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, NO ₂ +NO ₃ TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORG. SUSP. TOTAL (MG/L AS N)
CCT 05...	13	66	54	.09	55.1	.07	.04	.19	.23	.01
NOV 08...	14	66	55	.09	55.1	.04	.01	.20	.21	.00
DEC 05...	8.9	66	44	.09	178	.13	.06	.94	1.0	.00
JAN 04...	12	51	45	.07	179	.09	.01	.27	.28	.00
FEB 16...	13	52	44	.07	177	.10	.02	.12	.14	.11
MAR 07...	12	44	36	.06	251	.09	.05	.63	.68	.00
APR 10...	12	56	44	.08	144	.07	.01	.27	.28	.00
MAY 03...	13	58	48	.08	160	.09	.03	.39	.42	.00
JUN 06...	13	60	57	.08	90.6	.07	.02	.15	.17	.00
JUL 05...	16	70	71	.10	45.2	.01	.01	.20	.21	.00
AUG 08...	15	66	64	.09	64.9	.01	.00	.24	.24	.24
SEP 06...	13	62	54	.08	68.6	.07	.05	.31	.36	.03
DATE	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO ₃)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)	PHYTO- PLANK- TON, TOTAL (CELLS PER ML)	SEDI- MENT, SUS- PENDED (MG/L)	SEDI- MENT DIS- CHARGE, SUS- PENDED (T/DAY)	SED. SUSP. STIEVE DIAM. % FINER THAN .062 MM
CCT 05...	.22	.30	1.3	.030	.010	--	130	76	63	--
NOV 08...	.22	.25	1.1	.010	.000	2.2	--	46	38	--
DEC 05...	1.0	1.1	5.0	.160	.040	8.8	--	159	428	--
JAN 04...	.31	.37	1.6	.050	.010	--	140	152	534	90
FEB 16...	.03	.24	1.1	.040	.060	2.7	--	35	119	91
MAR 07...	.68	.77	3.4	.030	.000	2.8	--	219	1250	72
APR 10...	.29	.35	1.6	.040	.010	--	560	134	345	45
MAY 03...	.42	.51	2.3	.500	.150	5.0	--	79	218	83
JUN 06...	.20	.24	1.1	.030	.010	3.6	6800	60	91	95
JUL 05...	.22	.22	.97	.020	.020	--	6900	57	37	67
AUG 08...	.00	.25	1.1	.020	.000	2.9	65	27	27	92
SEP 06...	.33	.43	1.9	.030	.000	21	16000	118	131	78

HOMOCHITTO RIVER BASIN

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07292500 HOMOCHITTO RIVER AT ROSETTA, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	ARSENIC TOTAL (UG/L AS AS)	ARSENIC DIS- SOLVED (UG/L AS AS)	BARIUM, TOTAL RECOV- ERABLE (UG/L AS BA)	BARIUM, SUS- PENDED RECOV- ERABLE (UG/L AS HA)	BARIUM, DIS- SOLVED (UG/L AS BA)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CADMIUM SUS- PENDED RECOV- ERABLE (UG/L AS CD)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	CHRO- MIUM, SUS- PENDED RECOV- ERABLE (UG/L AS CR)
OCT 05...	10	5	0	0	0	1	0	2	10	10
JAN 04...	1	1	0	0	0	1	1	0	10	9
APR 10...	4	2	100	100	0	30	0	40	30	10
JUL 05...	3	3	100	70	30	1	0	2	30	20

DATE	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	COPPER, SUS- PENDED RECOV- ERABLE (UG/L AS CU)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, SUS- PENDED RECOV- ERABLE (UG/L AS FE)	IRON, DIS- SOLVED (UG/L AS FE)
OCT 05...	0	1	1	0	5	1	4
JAN 04...	1	1	1	0	3	0	3
APR 10...	20	0	0	0	3	0	5
JUL 05...	10	0	0	--	5	1	4

DATE	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	LEAD, SUS- PENDED 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- PENDED RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY SUS- PENDED RECOV- ERABLE (UG/L AS HG)	MERCURY DIS- SOLVED (UG/L AS HG)	SELF- NITRUM, TOTAL (UG/L AS SE)
OCT 05...	4	0	4	110	40	70	<.5	.0	<.5	0
JAN 04...	9	0	9	80	30	50	<.5	.0	<.5	0
APR 10...	10	0	12	50	20	30	.5	.0	.5	0
JUL 05...	22	21	1	80	70	6	<.5	.0	<.5	0

DATE	SELE- NIUM, SUS- PENDED TOTAL (UG/L AS SE)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	SILVER, TOTAL RECOV- ERABLE (UG/L AS AG)	SILVER, SUS- PENDED RECOV- ERABLE (UG/L AS AG)	SILVER, DIS- SOLVED (UG/L AS AG)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	ZINC, SUS- PENDED RECOV- ERABLE (UG/L AS ZN)	ZINC, DIS- SOLVED (UG/L AS ZN)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C)	CARBON, ORGANIC SUS- PENDED (MG/L AS C)
OCT 05...	0	0	2	0	2	30	20	10	4.0	.1
JAN 04...	0	0	0	0	0	30	20	10	5.0	1.1
APR 10...	0	0	1	1	0	10	0	10	4.3	.2
JUL 05...	0	0	0	0	0	30	10	20	2.7	1.0

HOMOCHITTO RIVER BASIN

07292500 HOMOCHITTO RIVER AT ROSETTA, MS--Continued

DATE TIME	OCT 5, 78		JAN 4, 79		APR 10, 79		JUL 6, 79	
	1330		1300		1130		1300	
TOTAL CELLS/ML	130		140		560		6800	
DIVERSITY: DIVISION	0.1		1.0		1.1		1.3	
..CLASS	0.1		1.0		1.1		1.3	
..ORDER	0.1		1.1		1.1		1.6	
...FAMILY	0.1		1.4		1.3		2.1	
....GENUS	1.6		1.4		2.1		2.9	
ORGANISM	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT
CHLOROPHYTA (GREEN ALGAE)								
..CHLOROPHYCEAE								
...CHLOROCOCCEAE								
....CHLOROCOCCEAE								
....CHLOROCOCCEUM	--	-	--	-	--	-	--	-
....CELASTRACEAE								
....COFLASTRUM	--	-	--	-	--	-	520	8
....OCYSTACEAE								
....ANKISTRUDISMUS	2	1	--	-	--	-	420	6
....CHLORELLA	--	-	--	-	--	-	--	-
....CHODATELLA	--	-	--	-	--	-	--	-
....DICTYOSPHAERIUM	--	-	--	-	43	8	340	5
....KIRCHNERELLA	--	-	--	-	14	3	--	-
....CELASTRUM	--	-	--	-	--	-	60	1
....TETRAEDRON	--	-	--	-	--	-	*	0
....VESTELLA	--	-	--	-	--	-	--	-
....SCENEDESMACEAE								
....CRUCIGENTA	--	-	--	-	--	-	80	1
....SCENEDESMUS	--	-	--	-	58	10	680	10
....TETRASTRUM	--	-	--	-	--	-	--	-
..VOLVOCALES								
...CHLAMYDOMONADACEAE								
....CHLAMYDOMONAS	--	-	--	-	--	-	340	5
..ZYGEMATALES								
...DESMIDIACEAE								
....CUSMANIUM	--	-	--	-	--	-	--	-
CHRYSOPHYTA								
..BACILLARIOPHYCEAE								
...CENTRALES								
....COSCIINODISCACEAE								
....CYCLOTELLA	--	-	5	4	--	-	60	1
....MELUSIRA	--	-	--	-	--	-	100	1
..PENNALES								
...EUNOTIACEAE								
....EUNOTIA	--	-	--	-	--	-	--	-
...FRAGILARIACEAE								
....SYNEDRA	--	-	5	4	--	-	--	-
...GOMPHONEMACEAE								
....GOMPHONEMA	--	-	--	-	--	-	--	-
...NAVICULACEAE								
....NAVICULA	--	-	5	4	--	-	--	-
...NITZSCHACEAE								
....NITZSCHIA	--	-	15	11	43	8	120	2
...XANTHOPHYCEAE								
..HETEROCOCCEAE								
...CHLOROTHECIACEAE								
....OPHICCYTIUM	--	-	--	-	--	-	--	-
CRYPTOPHYTA (CRYPTOMONADS)								
..CRYPTOPHYCEAE								
...CRYPTOMONADALES								
....CRYPTOCCHRYSIDACEAE								
....CHROMONAS	--	-	--	-	--	-	--	-
....CRYPTOMONADACEAE								
....CRYPTOMONAS	--	-	5	4	--	-	120	2
CYANOPHYTA (BLUE-GREEN ALGAE)								
..CYANOPHYCEAE								
...CHROOCOCCEAE								
....CHROOCOCCEAE								
....AGMENELLUM	43#	32	--	-	230#	41	2700#	40
....ANACYSTIS	53#	40	--	-	170#	31	1100#	16
....GOMPHOSPHERIA	35#	27	--	-	--	-	--	-
...HORMOGONIALES								
....NOSTOCACEAE								
....ANABAENA	--	-	100#	74	--	-	--	-
....OSCILLATORIA								
....OSCILLATORIA	--	-	--	-	--	-	80	1
....SCHIZOTHRIX	--	-	--	-	--	-	--	-
EUGLENOPHYTA (EUGLENIDS)								
..EUGLENOPHYCEAE								
...EUGLENALES								
....EUGLENACEAE								
....EUGLENA	--	-	--	-	--	-	*	0
....EUTREPTIA	--	-	--	-	--	-	--	-

NOTE: # = DOMINANT ORGANISM; EQUAL TO OR GREATER THAN 15%

* = OBSERVED ORGANISM, MAY NOT HAVE BEEN COUNTED; LESS THAN 1/2%

HOMOCHITTO RIVER BASIN

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07292500 HOMOCHITTO RIVER AT ROSETTA, MS--Continued

DATE TIME	JUL 5, 79 1330	AUG 8, 79 1400	SEP 6, 79 1230
TOTAL CELLS/ML	6900	65	16000
DIVERSITY: DIVISION	1.0	1.5	1.3
..CLASS	1.0	1.5	1.3
...ORDER	1.1	1.5	1.5
...FAMILY	2.0	1.5	2.1
....GENUS	2.8	1.5	2.7

ORGANISM	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT
CHLOROPHYTA (GREEN ALGAE)						
..CHLOROPHYCEAE						
...CHLOROCOCCALES						
....CHLOROCOCCACEAE						
.....CHLOROCOCCUM	--	-	--	-	180	1
...COELASTRACEAE						
....COELASTRUM	220	3	--	-	--	-
...COCYSTACEAE						
....ANKISTRODSMUS	2300#	33	--	-	2200	14
....CHLORELLA	--	-	--	-	90	1
....CHODATELLA	93	1	--	-	--	-
....DICTYOSPHAERIUM	370	5	--	-	720	4
....KIRCHNERIELLA	120	2	--	-	--	-
....SELENASTRUM	62	1	--	-	360	2
....TETRAEDRUM	--	-	--	-	*	0
....WESTELLA	120	2	--	-	--	-
...SCENEDESMACEAE						
....CRUCIGENIA	--	-	--	-	1400	9
....SCENEDESMUS	1600#	23	26#	40	2300	14
....TETRASTRUM	120	2	--	-	180	1
...VOLVOCALES						
...CHLAMYDOMONADACEAE						
....CHLAMYDOMONAS	--	-	--	-	*	0
...ZYGNEMATALES						
...DESMIDIACEAE						
....COSMARUM	*	0	--	-	--	-
CHRYSOPHYTA						
..BACILLARIOPHYCEAE						
...CENTRALES						
....COSCINOIDISCEAE						
.....CYCLOTELLA	93	1	--	-	180	1
.....PELOSIRA	--	-	--	-	--	-
...PENNALES						
....EUNOTIACEAE						
.....EUNOTIA	--	-	--	-	90	1
....FRAGILARIACEAE						
.....SYNEDRA	--	-	--	-	--	-
...GOMPHONEMATACEAE						
....GOMPHONEMA	--	-	--	-	*	0
....FACICULACEAE						
.....NAVICULA	--	-	--	-	180	1
....NITZSCHIAEAE						
.....NITZSCHIA	*	0	--	-	360	2
...XANTHOPHYCEAE						
...HETEROCOCCEAE						
...CHLOROTHECIACEAE						
....OPHIOCYTIUM	*	0	--	-	--	-
CRYPTOPHYTA (CRYPTOMONADS)						
..CRYPTOPHYCEAE						
...CRYPTOMONADALES						
....CRYPTOCHRYSIDACEAE						
.....CHROOCLONAS	*	0	--	-	--	-
...CRYPTOMONADACEAE						
....CRYPTOMONAS	62	1	--	-	--	-
CYANOPHYTA (BLUE-GREEN ALGAE)						
..CYANOPHYCEAE						
...CHROOCOCCALES						
....CHROOCOCCACEAE						
.....AGNELLUM	250	4			7200#	45
....ANACYSTIS	1300#	19	26#	40	--	-
...GOMPHOSPHAERIA	--	-	--	-	--	-
...HORMOGONIALES						
....FESTICACEAE						
....ANABAEANA	--	-	--	-	--	-
...OSCILLATORIACEAE						
....OSCILLATORIA	--	-	--	-	--	-
...SCHIZOTRICH	--	-	--	-	450	3
EUGLENOPHYTA (EUGLENOIDS)						
..EUGLENOPHYCEAE						
...EUGLENALES						
....EUGLENACEAE						
.....EUGLENA	--	-	13#	20	--	-
....EUTREPIA	--	-	--	-	90	1

NOTE: # = DOMINANT ORGANISM; EQUAL TO OR GREATER THAN 15%

* = OBSERVED ORGANISM; MAY NOT HAVE BEEN COUNTED; LESS THAN 1/2%

HOMOCHITTO RIVER BASIN

07292500 HOMOCHITTO RIVER AT ROSETTA, MS--Continued
 SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
 AM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	90	86	---	41	45	50	80	65	59			
2	90	86	73	52	42	54	73	70	71			
3	93	88	---	43	61	28	50	70	68			
4	115	88	75	61	46	34	30	75	73			
5	95	87	72	65	54	42	36	40	65			
6	95	86	70	69	38	47	47	62	75			
7	100	85	74	42	---	50	55	65	85			
8	100	80	75	45	32	52	58	70	85			
9	100	76	35	54	48	55	58	75	---			
10	---	---	40	60	45	58	60	80	85			
11	90	82	---	66	55	70	62	80	80			
12	87	82	61	67	58	60	33	75	---			
13	90	---	---	74	60	64	38	60	80			
14	84	80	70	76	71	61	42	75	90			
15	86	81	72	75	65	70	52	83	85			
16	85	80	76	76	65	67	58	80	85			
17	86	85	78	76	65	65	65	85	110			
18	85	---	79	80	61	68	70	81	90			
19	85	80	80	79	45	69	70	80	90			
20	86	79	84	27	60	70	70	80	75			
21	83	81	82	30	61	70	62	81	90			
22	85	84	72	40	58	90	26	81	90			
23	84	84	79	42	60	73	25	63	90			
24	82	84	---	34	22	70	34	50	90			
25	83	85	85	46	28	75	40	64	90			
26	83	82	85	45	36	85	45	75	85			
27	84	---	90	31	42	82	40	81	80			
28	84	100	89	40	46	82	50	85	90			
29	84	110	87	48	---	81	58	82	85			
30	85	63	82	---	---	81	60	75	100			
31	85	---	55	36	---	80	---	---	---			

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	25.0	27.0	---	15.0	10.0	21.0	28.0	26.0	26.0			
2	28.0	25.0	17.0	15.0	10.0	20.0	20.0	30.0	30.0			
3	28.0	25.0	---	10.0	13.0	20.0	25.0	28.0	28.0			
4	27.0	26.0	15.0	10.0	15.0	18.0	22.0	24.0	30.0			
5	25.0	26.0	25.0	15.0	8.0	20.0	23.0	23.0	30.0			
6	24.0	24.0	30.0	14.0	10.0	27.0	25.0	25.0	32.0			
7	23.0	17.0	25.0	15.0	---	18.0	27.0	28.0	30.0			
8	25.0	15.0	24.0	8.0	10.0	19.0	17.0	28.0	20.0			
9	20.0	20.0	14.0	14.0	10.0	19.0	25.0	31.0	30.0			
10	---	---	17.0	13.0	11.0	17.0	24.0	32.0	29.0			
11	25.0	14.0	---	15.0	14.0	15.0	26.0	28.0	25.0			
12	30.0	27.0	15.0	11.0	12.0	18.0	28.0	25.0	29.0			
13	28.0	---	---	16.0	18.0	22.0	24.0	28.0	31.0			
14	27.0	28.0	21.0	12.0	22.0	25.0	26.0	25.0	---			
15	25.0	25.0	15.0	10.0	24.0	18.0	28.0	30.0	32.0			
16	24.0	23.0	22.0	14.0	12.0	16.0	28.0	30.0	32.0			
17	28.0	22.0	12.0	17.0	12.0	15.0	27.0	---	---			
18	28.0	---	18.0	20.0	7.0	24.0	24.0	28.0	32.0			
19	25.0	18.0	24.0	20.0	20.0	29.0	23.0	28.0	---			
20	24.0	20.0	23.0	18.0	13.0	31.0	23.0	20.0	---			
21	25.0	23.0	23.0	20.0	24.0	30.0	23.0	28.0	---			
22	26.0	24.0	25.0	12.0	24.0	31.0	20.0	25.0	30.0			
23	28.0	20.0	---	15.0	20.0	27.0	24.0	27.0	28.0			
24	25.0	25.0	---	15.0	20.0	15.0	25.0	26.0	30.0			
25	28.0	27.0	14.0	13.0	17.0	18.0	20.0	25.0	32.0			
26	27.0	25.0	15.0	10.0	20.0	17.0	20.0	26.0	32.0			
27	21.0	---	13.0	10.0	17.0	22.0	23.0	27.0	30.0			
28	26.0	25.0	15.0	5.0	18.0	24.0	---	28.0	28.0			
29	28.0	20.0	14.0	10.0	---	27.0	21.0	28.0	28.0			
30	22.0	15.0	22.0	---	---	25.0	25.0	25.0	28.0			
31	25.0	---	25.0	8.0	---	20.0	---	---	---			

07295000 BUFFALO RIVER NEAR WOODVILLE, MS

LOCATION.--Lat 31°13'35", long 91°17'45", in SW $\frac{1}{4}$ sec.21, T.3 N., R.2 W., Washington Meridian, Wilkinson County, Hydrologic Unit 08060206, near center of span on downstream side of bridge on U.S. Highway 61, 1.5 mi (2.4 km) downstream from Fords Creek, 2.8 mi (4.5 km) west of Wilkinson, and 8.5 mi (13.7 km) north of Woodville.

DRAINAGE AREA.--182 mi² (471 km²).

PERIOD OF RECORD.--March 1942 to current year. Prior to October 1950, published as Buffalo Bayou near Woodville.

REVISED RECORDS.--WSP 1281: 1943, 1946(M).

GAGE.--Water-stage recorder. Datum of gage is 94.52 ft (28.810 m) National Geodetic Vertical Datum of 1929. Prior to June 1, 1942, nonrecording gage at same site. Prior to Oct. 1, 1964, at datum 3.00 ft (0.914 m) higher.

REMARKS.--Records fair, except those for periods of doubtful or no gage-height record, Mar. 1 to July 11, which are poor.

AVERAGE DISCHARGE.--37 years, 272 ft³/s (7.703 m³/s), 20.30 in/yr (516 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 65,000 ft³/s (1,840 m³/s) Mar. 25, 1973, gage height, 22.3 ft (6.80 m) from floodmarks, from rating curve extended above 35,000 ft³/s (990 m³/s); minimum, 16 ft³/s (0.45 m³/s) Aug. 14, 18, 19, 1954, Sept. 28, 1956.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 11,000 ft³/s (312 m³/s) and maximum (*).

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Jan. 20	Unknown	24300	688	Apr. 22	Unknown	*57400	22.02
Feb. 23	2330	37400	1060				6.712

a From graph based on gage readings.

b From floodmark.

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

PAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	42	35	56	342	214	320	130	190	130	80	70	66
2	41	35	49	200	162	300	300	170	150	70	58	117
3	40	35	56	85	309	2700	800	160	100	60	54	233
4	43	34	327	67	438	1000	1500	150	150	56	54	89
5	41	34	87	62	1770	700	700	450	120	54	61	70
6	36	35	63	85	3870	450	400	250	110	52	59	66
7	38	44	56	342	1440	350	250	180	100	70	56	81
8	37	42	670	149	551	270	200	150	90	250	56	63
9	37	37	1840	77	377	220	180	130	86	100	56	58
10	37	37	199	71	303	200	170	110	84	80	59	56
11	37	37	109	63	260	300	200	100	80	180	53	65
12	37	37	84	61	234	250	2000	200	100	403	121	70
13	37	37	73	59	214	200	1000	250	90	1110	74	66
14	36	36	66	54	199	180	450	150	85	1620	54	56
15	35	37	63	50	183	170	300	110	80	337	53	53
16	36	38	62	49	168	160	200	100	76	142	63	49
17	35	44	58	49	158	160	180	40	74	99	53	45
18	36	42	54	50	1080	150	170	84	72	174	48	53
19	36	38	54	57	397	150	160	80	70	820	59	53
20	36	39	53	7230	274	140	152	78	68	257	51	238
21	36	38	71	743	204	140	1400	76	64	529	97	352
22	36	37	59	462	216	150	15000	74	62	170	56	119
23	36	37	50	3330	6840	400	4500	100	66	99	56	89
24	36	37	53	550	11400	300	1500	150	58	119	59	77
25	36	36	50	361	1850	200	700	110	56	316	179	66
26	36	44	47	680	700	150	400	90	70	683	105	59
27	36	149	46	1070	450	130	700	90	60	228	70	54
28	36	71	44	312	348	120	500	76	58	147	79	53
29	36	135	45	206	---	120	300	70	56	111	99	51
30	34	45	390	---	---	120	220	80	54	93	101	48
31	35	---	138	621	---	150	---	200	---	79	63	---
TOTAL	1146	1432	4762	17936	30649	10350	30662	4288	2513	8588	2176	2619
MEAN	37.0	47.7	154	574	1237	330	1155	138	83.8	277	70.2	87.3
MAX	43	149	1840	7230	11400	2700	15000	450	150	1620	179	352
MIN	34	34	44	49	158	120	130	70	54	52	48	48
CFSS	20	26	85	3.18	6.80	1.84	6.35	76	86	1.52	3.9	4.8
TR	23	29	97	3.67	7.08	2.12	7.08	88	51	1.76	4.4	5.4
CAL YR 1978 TOTAL	51746	MEAN 251	MAX 3470	MIN 34	CFSS 1.38	TR 18.75						
WTR YR 1979 TOTAL	125121	MEAN 343	MAX 15000	MIN 34	CFSS 1.89	TR 25.57						

MISSISSIPPI RIVER DELTA

07377000 AMITE RIVER NEAR DARLINGTON, LA

LOCATION.--Lat 30°53'20", long 90°50'40", in lot 72, T.2 S., R.4 E., St. Helena Meridian, St. Helena Parish, Hydrologic Unit 08070202 near center of span on downstream side of bridge on State Highway 10, 1.5 mi (2.4 km) upstream from Collins Creek, and 4.0 mi (6.4 km) west of Darlington.

DRAINAGE AREA.--580 mi² (1,502 km²).

PERIOD OF RECORD.--March 1949 to September 1950 (annual maximum), October 1950 to current year.

GAGE.--Water-stage recorder. Datum of gage is 145.81 ft (44.443 m) National Geodetic Vertical Datum of 1929. Jan. 13, 1951, to May 28, 1963, water-stage recorder at former channel 700 ft (210 m) to the left; and July 30, 1963, to Feb. 12, 1964, nonrecording gage at present site. Prior to Oct. 1, 1963, datum 2.99 ft (0.911 m) higher.

AVERAGE DISCHARGE.--29 years, 883 ft³/s (25.01 m³/s), 20.67 in/yr (525 mm/yr).

REMARKS.--Records good.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 76,400 ft³/s (2,160 m³/s) Apr. 22, 1977, gage height, 21.76 ft (6.632 m); minimum, 188 ft³/s (5.32 m³/s) Oct. 18, 1956.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 5,000 ft³/s (140 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)	Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
Jan. 21	1600	12900 365	15.34 4.676	Mar. 4	1945	10800 306	14.42 4.395
Feb. 7	1400	10300 292	14.15 4.313	Apr. 4	2300	8500 241	13.06 3.981
Feb. 25	1230	24000 680	17.35 5.288	Apr. 23	0545	*43400 1230	19.25 5.867

Minimum discharge, 250 ft³/s (7.08 m³/s) Nov. 5, 6, gage height, 3.70 ft (1.128 m).

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	296	252	342	404	1760	1380	417	721	1460	354	383	334
2	296	252	321	543	1240	1180	420	641	844	358	367	355
3	291	253	309	656	1280	4810	1230	588	794	350	353	1560
4	294	252	546	548	2230	9660	6950	741	630	346	372	1690
5	311	251	654	444	2990	8690	6730	2540	623	342	361	595
6	322	256	504	411	7440	4560	3890	3260	622	339	352	479
7	299	274	399	508	10100	1640	1420	2160	511	355	338	547
8	283	274	370	715	8450	1220	996	1000	464	451	328	473
9	278	265	1130	679	3700	996	805	733	443	410	320	379
10	276	261	1710	553	1580	865	710	607	438	535	317	355
11	276	261	1350	467	1240	855	630	539	434	486	312	344
12	276	261	699	425	1060	830	592	725	419	971	310	337
13	275	260	512	405	944	742	666	1050	399	656	315	332
14	269	259	441	395	866	678	694	642	389	568	314	327
15	264	261	402	368	808	616	584	507	393	481	358	321
16	263	265	383	353	746	584	595	456	402	425	402	316
17	261	281	375	348	688	570	477	428	386	390	330	318
18	260	287	362	345	886	546	453	409	380	389	310	336
19	261	277	349	345	1630	528	438	396	375	562	306	340
20	261	269	344	3180	1510	510	423	388	370	534	302	379
21	262	265	351	11400	1090	495	1010	383	367	745	342	1250
22	261	264	377	10600	996	486	15400	378	365	657	346	1050
23	259	263	359	5770	2570	574	37200	407	363	492	393	564
24	259	264	349	5920	14700	730	19200	447	361	460	335	422
25	258	264	354	4960	22800	602	8290	402	358	915	403	372
26	259	277	347	2380	13500	504	2230	370	355	849	949	352
27	258	506	337	3500	4980	468	1490	360	351	830	470	343
28	256	537	327	4490	1760	459	1300	357	350	762	374	339
29	253	395	323	2710	---	447	1120	358	349	598	370	335
30	252	355	331	1350	---	426	841	454	353	520	422	329
31	252	---	356	1780	---	420	---	1700	---	422	355	---
TOTAL	8441	8661	15313	66952	113544	47071	117201	24147	14348	16552	11509	15473
MEAN	272	289	494	2160	4055	1518	3907	779	478	534	371	516
MAX	322	537	1710	11400	22800	9660	37200	3260	1460	971	949	1690
MIN	252	251	309	345	688	420	417	357	349	339	302	316
CFSM	.47	.50	.85	3.72	6.99	2.62	6.74	1.34	.82	.92	.64	.89
IN.	.54	.56	.98	4.29	7.28	3.02	7.52	1.55	.92	1.06	.74	.99
CAL YR 1978	TOTAL	256710	MEAN	703	MAX	11500	MIN	251	CFSM	1.21	IN	16.46
WTR YR 1979	TOTAL	459212	MEAN	1258	MAX	37200	MIN	251	CFSM	2.17	IN	29.45

Crest-stage partial-record stations

As the number of streams on which streamflow information is likely to be desired far exceeds the number of stream-gaging stations feasible to operate at one time, the Geological Survey collects limited streamflow data at sites other than stream-gaging stations. When limited streamflow data are collected on a systematic basis over a period of years for use in hydrologic analyses, the site at which the data are collected is called a partial-record station. Data collected at these partial-record stations are usable in low-flow or floodflow analyses, depending on the type of data collected. In addition, discharge measurements are made at other sites not included in the partial-record program. These measurements are generally made in times of drought or flood to give better areal coverage to those events. Those measurements and others collected for some special reason are called measurements at 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 but is not published herein. The years given in the period of record represent water years for which the annual maximum has been determined.

Annual maximum discharge at crest-stage partial-record stations during water year 1979

Station No.	Station name	Location	Drainage area (mi ²)	Period of record	Date	Annual maximum Gage height (feet)	Dis-charge (ft ³ /s)
Mobile River basin							
02434000	Town Creek at Tupelo, Miss.	Lat 34°17'40", long 88°42'35", in SW¼ SE¼ sec.18, T.9 S., R.6 E., Chickasaw Meridian, Lee County, on U.S. Highway 45, 0.5 mi (0.8 km) north of city limits of Tupelo. Prior to 1971 at datum 0.40 ft (0.122 m) higher.	110	1944-46†, 1952-70†, 1971-79	4-12-79	23.35	8,500
02435400	Clear Branch near Tupelo, Miss.	Lat 34°15'30", long 88°39'50", in SW¼ SE¼NW¼ sec.34, T.9 S., R.6 E., Chickasaw Meridian, Lee County, at culvert on U.S. Highway 78, 1.3 mi (2.1 km) east of Tupelo.	.75	1955-79	4-12-79	5.10	149
02435800	Coonewah Creek at Shannon, Miss.	Lat 34°08'15", long 88°43'12", in SE¼, sec.12, T.11 S., R.5 E., Chickasaw Meridian, Lee County, on U.S. Highway 45, 1.0 mi (1.6 km) north of Shannon and 4.5 mi (7.2 km) upstream from mouth.	53.0	1953-79	1-20-79	16.09	2,000
02435930	Shell Creek near Tupelo, Miss.	Lat 34°14', long 88°49', in NW¼SE¼SW¼ sec.6, T.10 S., R.5 E., Chickasaw Meridian, Lee County, at culvert on State Highway 6, 6.6 mi (10.6 km) west of Tupelo. Prior to Oct. 1, 1964, at datum 11.48 ft (3.499 m) lower.	.20	1955-79	4-12-79	4.41	78
02436000	Chiwapa Creek at Shannon, Miss.	Lat 34°06'35", long 88°43'25", in SE¼ sec.24, T.11 S., R.5 E., Chickasaw Meridian, Lee County, at bridge on U.S. Highway 45W at Shannon, and 0.7 mi (1.1 km) above Gulf, Mobile and Ohio Railroad bridge.	144	1952-67†, 1968-79	4-12-79	12.83	20,800
02437300	Mattubby Creek near Aberdeen, Miss.	Lat 33°52', long 88°36', in SE¼SE¼ sec.7, T.14 S., R.7 E., Chickasaw Meridian, Monroe County, at bridge on U.S. Highway 45, 1.5 mi (2.4 km) above Wolf River, and 4 mi (6.4 km) northwest of Aberdeen.	92.0	1937, 1952-79	1-21-79	91.91	4,070
02437550	Nichols Creek tributary near Quincy, Miss.	Lat 33°54'20", long 88°21'05", in SE¼ sec. 29, T.13 S., R.10 E., Huntsville Meridian, Monroe County, at culvert on U.S. Highway 278, 1.0 mi (1.6 km) southeast of Quincy.	.54	1967-79	4-12-79	6.63	298
02437600	James Creek at Aberdeen, Miss.	Lat 38°48'45", long 88°34'00", in SW¼SE¼ sec.33, T.14 S., R.7 E., Chickasaw Meridian, Monroe County, at bridge on State Highway 25, 0.4 mi (0.6 km) southwest of Aberdeen.	28.9	1964-68†, 1969-79	1-21-79	13.41	(†)

See footnotes at end of table.

Annual maximum discharge at crest-stage partial-record stations during water year 1979--Continued

Station No.	Station name	Location	Drainage area (mi ²)	Period of record	Date	Annual maximum	
						Gage height (feet)	Dis-charge (ft ³ /s)
Mobile River basin--Continued							
02439980	Chuquatonchee Creek near Okolona, Miss.	Lat 34°00'05", long 88°53'00", in NE¼ sec.33, T.12 S., R.4 E., Chickasaw Meridian, Chickasaw County, at bridge on State Highway 32, 7.5 mi (12.1 km) west of Okolona.	68.5	1963-68†, 1969-79	1-20-79	12.75	2,350
02440000	Chuquatonchee Creek near Egypt, Miss.	Lat 33°50'30", long 88°46'30", on line between secs.22 and 27, T.14 S., R.5 E., Chickasaw Meridian, Chickasaw County, at bridge on State Highway 8, 4.5 mi (7.2 km) southwest of Egypt.	170	1952-73†, 1974-79	9-21-79	13.12	5,660
02440020	Chuquatonchee Creek tributary near Trebloc, Miss.	Lat 33°50'25", long 88°48'20", on line between SW¼ sec.20 and NW¼ sec.29, T.14 S., R.5 E., Chickasaw Meridian, Chickasaw County, at culvert on State Highway 8, 1.5 mi (2.4 km) east of Trebloc.	.72	1967-79	7-11-79	6.89	280
02440400	Houlka Creek near McCondy, Miss.	Lat 33°47'05", long 88°51'15", in SE¼SW¼ sec.11, T.15 S., R.4 E., Chickasaw Meridian, Clay County, at bridge on State Highway 47, 2.8 mi (4.5 km) south of McCondy.	185	1963-68†, 1969-79	1-21-79	14.75	9,880
02440500	Chuquatonchee Creek near West Point, Miss.	Lat 33°36'25", long 88°42'30", on line between secs.7 and 18, T.17 S., Meridian, Clay County, at bridge State Highway 50, 3.0 mi (4.8 km) west of West Point.	514	1944-73†, 1974-79	1-22-79	18.82	15,100
02440600	Line Creek near Maben, Miss.	Lat 33°39', long 89°04', in S¼ sec.26, T.16 S., R.2 E., Chickasaw Meridian, Webster County, at bridge on State Highway 15, 1,000 ft (305 m) below Gulf, Mobile and Ohio Railroad, and 7.0 mi (11.3 km) north of Maben.	4.65	1952-79	7-11-79	21.85	3,280
02440800	Trim Cane Creek near Starkville, Miss.	Lat 33°28', long 88°55', in W¼ sec.35, T.19 N., R.13 E., Choctaw Meridian, Oktibbeha County, at bridge on U.S. Highway 82, 3.0 mi (4.8 km) above Biba Wila Creek, and 6.0 mi (9.7 km) west of Starkville.	39.6	1952-79	4-13-79	27.95	9,600
02441220	Sand Creek tributary near Mayhew, Miss.	Lat 33°28'40", long 88°43'20", on line between SW¼ sec.27 and NW¼ sec.34, T.19 N., R.15 E., Choctaw Meridian, Oktibbeha County, on U.S. Highway 82, 3.7 mi (6.0 km) west of Mayhew.	.44	1966-79	4-12-79	6.98	275
02441300	Catalpa Creek at Mayhew, Miss.	Lat 33°28'50", long 88°37'45", in NE¼ SW¼ sec.28, T.19 N., R.16 E., Choctaw Meridian, Lowndes County, at bridge on U.S. Highway 82, 0.5 mi (0.8 km) east of Mayhew.	98.2	1963-68†, 1969-79	4-13-79	21.52	19,800
02443000	Luxapallila Creek at Steens, Miss.	Lat 33°33'56", long 88°18'55" in NE¼ sec.27, T.17 S., R.17 W., Huntsville Meridian, Lowndes County, on county highway, 0.2 mi (0.3 km) southeast of Steens.	309	1944-47†, 1950-77†, 1978-79	b5- 8-78 4-14-79	b16.82 18.73	b6,730 14,200
02443700	Cedar Creek near Brooksville, Miss.	Lat 33°20'00", long 88°32'30", in SW¼ sec.17, T.17 N., R.17 E., Choctaw Meridian, Lowndes County, at culvert on U.S. Highway 45, 7.5 mi (12.1 km) north of Brooksville.	.49	1965-79	4-12-79	7.60	458
02447220	Bogue Fallah Creek tributary near Ackerman, Miss.	Lat 33°20'10", long 89°07'10", in SW¼ sec.14, T.17 N., R.11 E., Choctaw Meridian, Choctaw County, on State Highway 12, 4.1 mi (6.6 km) northeast of Ackerman.	.34	1966-79	4-12-79	9.17	472
02448620	Flat Scooba Creek tributary near Scooba, Miss.	Lat 32°50'20", long 88°28'10", in SE¼ sec.32, T.12 N., R.18 E., Choctaw Meridian, Kemper County, at culvert on U.S. Highway 45, 0.8 mi (1.3 km) north of Scooba.	.44	1967-79	4-12-79	8.87	427

See footnotes at end of table.

Annual maximum discharge at crest-stage partial-record stations during water year 1979--Continued

Station No.	Station name	Location	Drainage area (mi ²)	Period of record	Annual maximum		
					Date	Gage height (feet)	Dis-charge (ft ³ /s)
Mobile River basin--Continued							
02469672	Little Okatuppa Creek near Quitman, Miss.	Lat 32°05'00", long 88°27'10", in NW¼SE¼SE¼ sec.21, T.3 N., R.18 E., Choctaw Meridian, Clarke County, on State Highway 18, 17.6 mi (28.3 km) east of Quitman.	4.35	1966-79	9-12-79	8.35	1,780
Pascagoula River basin							
02471100	Leaf River near Raleigh, Miss.	Lat 32°00'47", long 89°25'58", in SE¼SE¼NW¼ sec.13, T.2 N., R.8 E., Choctaw Meridian, Smith County, at bridge on State Highway 18, 6.0 mi (9.7 km) east of Raleigh.	143	1940-43c 1957-79	3- 4-79	301.62	13,000
02471250	Leaf River at Taylorsville, Miss.	Lat 31°49'40", long 89°24'30", on line between secs.16 and 21, T.10 N., R.14 W., St. Stephens Meridian, Smith County, on State Highway 28, 1.0 mi (1.6 km) east of Taylorsville.	466	1968-79	3- 5-79	256.41	32,000
02471500	Oakohay Creek at Mize, Miss.	Lat 31°52', long 89°33', in NW¼ sec.6, T.10 N., R.15 W., St. Stephens Meridian, Smith County, on State Highway 28, at Mize.	171	1943-49†, 1968-79	3- 5-79	287.86	8,300
02472160	Big Creek tributary near Laurel, Miss.	Lat 31°41'20", long 89°19'35", in NE¼SW¼ sec.5, T.8 N., R.13 W., St. Stephens Meridian, Jones County, on U.S. Highway 84, 11.4 mi (18.3 km) west of Laurel.	.17	1966-79	3- 4-79	4.87	110
02472420	Bowie Creek near Sanford, Miss.	Lat 31°28'20", long 89°31'20", in NE¼ sec.20 T.6 N., R.15 W., St. Stephens Meridian, Covington County, at bridge on State Highway 589, 5.0 mi (8.0 km) southwest of junction with U.S. Highway 49.	262	1968-79	3- 4-79	213.40	8,000
02472810	Okatoma Creek tributary No. 2 near Collins, Miss.	Lat 31°36'30", long 89°32'00", in SW¼ sec.32, T.8 N., R.15 W., St. Stephens Meridian, Covington County, at culvert on U.S. Highway 49, 1.6 mi (2.6 km) south of Collins.	.21	1967-79	3- 4-79	5.18	105
02473047	Gordon Creek at Broad Street at Hattiesburg, Miss.	Lat 31°19'42", long 89°18'14", in NW¼NE¼ sec.9, T.4 N., R.13 W., St. Stephens Meridian, Forrest County, at bridge on Broad Street in Hattiesburg.	8.83	1969-79	4- 4-79	160.18	3,420
02473460	Tallahala Creek at Waldrup, Miss.	Lat 31°57'30", long 89°06'50", in SW¼ sec.31, T.2 N., R.12 E., Choctaw Meridian, Jasper County, at bridge on State Highway 528, 0.8 mi (1.3 km) west of Waldrup.	100	1969-79	4- 4-79	311.87	12,300
02473480	Tallahattah Creek near Waldrup, Miss.	Lat 31°51'40", long 89°05'10", in NW¼SE¼ sec.3, T.10 N., R.11 W., St. Stephens Meridian, Jasper County, on paved county road, 8.7 mi (14.0 km) south of Waldrup.	30.7	1965-70†, 1971-79	3-25-73 3- 3-79	d16.05 e17.20	d3,920 f7,200
02473498	Tallahala Creek tributary at 8th St. at Laurel, Miss.	Lat 31°41'55", long 89°07'44", in SE¼ sec.32, T.9 N., R.11 W., St. Stephens Meridian, Jones County, at wooden box bridge of 8th Street in park, 200 ft (61 m) east of 4th Ave. in Laurel.	1.12	1975-79	3- 3-79	239.11	794
02473610	Tallahala Creek tributary No. 2 at Grandview Dr., at Laurel, Miss.	Lat 31°40'44", long 89°09'19", in N¼ sec.12, T.8 N., R.12 W., St. Stephens Meridian, Jones County, at bridge at intersection of Grandview Drive and West Drive in Laurel.	1.51	1975-79	5-12-79	230.93	647
02473850	Tallahoma Creek tributary at Lake Como, Miss.	Lat 31°57'40", long 89°12'20", on line between SE¼ sec.31, and NE¼ sec.6, T.2 N., R.11 E., Choctaw Meridian, Jasper County at culvert on State Highway 528, 0.5 mi (0.8 km) east of Lake Como.	3.21	1966-79	3- 4-79	8.07	1,430

See footnotes at end of table.

Annual maximum discharge at crest-stage partial-record stations during water year 1979--Continued

Station No.	Station name	Location	Drainage area (mi ²)	Period of record	Date	Annual maximum	
						Gage height (feet)	Dis-charge (ft ³ /s)
Pascagoula River basin--Continued							
02474650	Buck Creek near Runnelstown, Miss.	Lat 31°21'50", long 89°02'55", in SE¼ sec.25, T.5 N., R.11 W., St. Stephens Meridian, Perry County, at bridge on State Highway 42, 2.5 mi (4.0 km) above mouth, and 3.7 mi (6.0 km) east of Runnelstown.	19.1	1951-79	4- 3-79	91.41	5,700
02475050	Waterfall Branch near McLain, Miss.	Lat 31°07'10", long 88°45'25", in SW¼ NE¼SE¼ sec.23, T.2 N., R.8 W., St. Stephens Meridian, Greene County, at culvert on State Highway 57, 4.2 mi (6.8 km) east of McLain. Prior to Oct. 1, 1964, at datum 0.72 ft (0.22 m) lower.	.65	1955-79	9-13-79	10.49	629
02475220	Little Rock Creek tributary near Little Rock, Miss.	Lat 32°31', long 89°01', in NW¼ sec.30, T.8 N., R.13 E., Choctaw Meridian, Newton County, at culvert on State Highway 494, 1.2 mi (1.9 km) south-east of Little Rock.	.22	1965-79	4-12-79	7.79	265
02477050	Souinlovey Creek near Baxter, Miss.	Lat 32°13', long 89°08', in NE¼ sec.3, T.4 N., R.11 E., Choctaw Meridian, Jasper County, culvert on State Highway 15, 2.6 mi (4.2 km) north of Baxter.	1.14	1965-79	4-12-79	9.07	550
02477090	Powers Creek near Rose Hill, Miss.	Lat 32°07', long 89°02', in NE¼ sec.11, T.3 N., R.12 E., Choctaw Meridian, Jasper County, at culvert on State Highway 18, 3.0 mi (4.8 km) southwest of Rose Hill.	.45	1965-79	3- 4-79	5.19	177
02477330	Shubuta Creek near Shubuta, Miss.	Lat 31°53', long 88°44', in NW¼ sec.35, T.1 N., R.15 E., Choctaw Meridian, Clarke County, at county highway, 1.5 mi (2.4 km) northwest of Shubuta, and 5.0 mi (8 km) above mouth.	95	1963-79	3- 4-79	203.60	7,950
02478600	Granny Branch at Piave, Miss.	Lat 31°23'30", long 88°44'50", in SE¼ sec.13, T.5 N., R.8 W., St. Stephens Meridian, Greene County, at culvert on State Highway 63, 0.3 mi (0.5 km) southwest of Piave.	.69	1967-79	3- 4-79	6.55	402
02479187	Red Creek tributary near Wiggins, Miss.	Lat 30°50'55", long 89°13'40", in SW¼NE¼NE¼ sec.30, T.2 S., R.12 W., St. Stephens Meridian, Stone County on State Highway 26, 5.3 mi (8.5 km) west of Wiggins.	.22	1966-79	4-24-79	6.34	170
02480150	Franklin Creek near Grand Bay, Ala.	Lat 30°28'10", long 88°23'10", in NW¼ sec.4, T.7 S., R.4 W., St. Stephens Meridian, Mobile County, at bridge on county highway, 0.9 mi (1.5 km) east of Miss.-Ala. State line, 2.6 mi (4.2 km) west of Grand Bay, Ala., and 3.1 mi (5.0 km) upstream from mouth.	16.4	1959-79	2-24-79	15.81	1,470
Tchoutacabouffa River basin							
02480500	Tuxachanie Creek near Biloxi, Miss.	Lat 30°31'35", long 88°54'40", in SE¼ NW¼ sec.20, T.6 S., R.9 W., St. Stephens Meridian, Harrison County, at bridge on State Highway 15 7.0 mi (11.3 km) north of city limits of Biloxi.	92.3	1952-79+ 1972-79	3- 4-79	17.52	6,300
Biloxi River basin							
02481130	Biloxi River near Lyman, Miss.	Lat 30°29'18", long 89°02'09", in SE¼SE¼ sec. 25, T.6 S., R.11 W., St. Stephens Meridian, Harrison County, on downstream side of left pier of bridge on county highway, 1.2 mi (1.9 km) downstream from Little Biloxi River, 4.6 mi (7.4 km) east of Lyman.	250.74	1965-79	9- 7-67 12-10-67 1-21-72 3-25-73 b4-14-74 1-25-78 2-24-79	18.50 d14,000 17.67 d9,400 18.18 d12,000 17.94 d10,800 17.20 d8,700 18.70 d15,100 17.70 9,500	

See footnotes at end of table.

Annual maximum discharge at crest-stage partial-record stations during water year 1979--Continued

Station No.	Station name	Location	Drainage area (mi ²)	Period of record	Annual maximum		
					Date	Gage height (feet)	Dis-charge (ft ³ /s)
Pearl River basin							
02482100	Indian Branch near Edinburg, Miss.	Lat 32°46'50", long 89°25'30", in NW¼NE¼NE¼ sec.25, T.11 N., R.8 E., Choctaw Meridian, Leake County, west of Edinburg.	1.92	1966-79	4-12-79	5.47	710
02482310	Lobutch Creek tributary at Wamba, Miss.	Lat 33°02', long 89°27', in NW¼ sec.35, T.14 N., R.8 E., Choctaw Meridian, Attala County, at culvert on State Highway 19, 0.3 mi (0.5 km) west of Wamba.	.94	1965-79	4-12-79	12.77	1,240
02483890	Yockanookany River tributary near McCool, Miss.	Lat 33°10', long 89°25', in SW¼ sec.7, T.15 N., R.9 E., Choctaw Meridian, Attala County, at culvert on State Highway 12, 4.0 mi (6.4 km) southwest of McCool.	.34	1965-79	4-12-79	6.70	400
02484600	Coffee Bogue at Ludlow, Miss.	Lat 32°34'25", long 89°43'48", in N¼ of line between sec. 1 and 6, T.8 N., R.5 E., Choctaw Meridian, Scott County, at bridge on county road, 1.0 mi (1.6 km) west of Ludlow.	--	1975-79	3-31-76 3- 3-77 11-30-77 1-20-79	12.82 13.31 12.43 14.89	2,600 3,400 2,300 6,400
02484750	Red Cane Creek tributary near Pisgah, Miss.	Lat 32°28'05", long 89°47'55", on line between NE¼ sec.8 and NW¼ sec.9, T.7 N., R.5 E., Choctaw Meridian, Rankin County, at 4.5 ft (1.4 m) circular pipe on State Highway 43, 4.1 mi (6.6 km) east of Pisgah.	.10	1965-79	4-12-79	6.29	110
02484760	Fannegusha Creek near Sand Hill, Miss.	Lat 32°30'20", long 89°48'45", in SW¼ sec.29, T.8 N., R.5 E., Choctaw Meridian, Rankin County, at bridge on county road, 3.9 mi (6.3 km) east of Sand Hill.	52.3	1975-79	4-11-79	12.74	6,600
02485380	Hollybush Creek tributary No. 1 near Pisgah, Miss.	Lat 32°26'00", long 89°48'50", in NW¼ sec.20 T.7 N., R.5 E., Choctaw Meridian, Rankin County at culvert on State Highway 43, 7.2 mi (11.6 km) southeast of Pisgah.	.59	1965-79	5- 5-79	6.64	280
02485392	Clear Creek tri- butary near Pelahatchie, Miss.	Lat 32°21'35", long 89°47'55", on line between SW¼ sec.16 and SE¼ sec.17, T.6 N., R.5 E., Choctaw Meridian, Rankin County, at 5.0 ft (1.5 m) circular culvert on State Highway 43, 3.3 mi (5.3 km) north of intersection of Highways 80 and 43 in Pelahatchie.	.12	1965-79	4-11-79	5.20	81
02485650	Purple Creek at Jackson, Miss.	Lat 32°22'45", long 90°07'17", in NW¼ sec.8, T.6 N., R.2 E., Choctaw Meridian, Hinds County, at Colonial Country Club, 600 ft (183 m) above Old Canton Road bridge, and 1.5 mi (2.4 km) above mouth.	5.85	1952-79	4-12-79	(g)	(†)
02485700	Hanging Moss Creek at Jackson, Miss.	Lat 32°22'00", long 90°09'00", in NE¼ sec.13, T.6 N., R.1 E., Choctaw Meridian, Hinds County, at bridge on east service road of Interstate 55 (formerly U.S. Highway 51), 1.0 mi (1.6 km) above Whiteoak Creek, and 2.0 mi (3.2 km) above mouth. Prior to Oct. 1, 1961, at datum 73.56 ft (22.421 m) lower.	16	1953-79	4-12-79	21.30	4,120
02485800	Eubanks Creek at Jackson, Miss.	Lat 32°20'15", long 90°09'40", in NE¼NW¼NE¼ sec.26, T.6 N., R.1 E., Choctaw Meridian, Hinds County, near right bank at downstream side of Wood Dale Drive bridge in Jackson, 1,600 ft (488 m) upstream from Interstate 55 (formerly U.S. Highway 51), and 1.3 mi (2.1 km) upstream from mouth. Prior to Oct. 1, 1959, at 1,600 ft (488 m) downstream at datum 0.74 ft (0.225 m) lower.	4.0	1954-79	4-11-79	13.35	2,380

See footnotes at end of table.

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

Annual maximum discharge at crest-stage partial-record stations during water 1979--Continued

Station No.	Station name	Location	Drainage area (mi ²)	Period of record	Date	Annual maximum Gage height (feet)	Dis-charge (ft ³ /s)
Pearl River basin--Continued							
02485900	Neely Creek near Brandon, Miss.	Lat 32°17'58", long 90°03'44", in SW¼ sec.2, T.5 N., R.2 E., Choctaw Meridian, Rankin County, at culvert on New Airport Road, 5.4 mi (8.7 km) west of Brandon.	1.09	1965-79	4-10-79	8.85	1,050
02485950	Town Creek at Jackson, Miss.	Lat 32°17'35", long 90°11'06", in NW¼SW¼ sec.3, T.5 N., R.1 E., Choctaw Meridian, Hinds County, at bridge on Gallatin St. in Jackson, 300 ft (91 m) above Illinois Central Railroad.	11.7	1953-79	4-10-79	11.97	2,450
02486100	Lynch Creek at Jackson, Miss.	Lat 32°17'15", long 90°13'00", in SE¼ sec.8, T.5 N., R.1 E., Choctaw Meridian, Hinds County, at bridge on Valley St. in Jackson, 2,000 ft (610 m) below U.S. Highway 80, and 2.0 mi (3.2 km) above mouth. Prior to Oct. 1, 1958, at site 2,000 ft (610 m) upstream.	11.1	1955-79	4-11-79	15.28	3,800
02486115	Three Mile Creek at Jackson, Miss.	Lat 32°16'15", long 90°13'00", in NW¼SE¼ sec.17, T.5 N., R.1 E., Choctaw Meridian, Hinds County, 300 ft (91 m) downstream from old U.S. Highway 51 (Terry Road), 0.6 mi (1.0 km) above Illinois Central Railroad.	1.12	1962-79		(g)	(†)
02487300	Strong River near Puckett, Miss.	Lat 32°04', long 89°45', in SE¼SE¼ sec.26, T.3 N., R.4 E., Choctaw Meridian, Rankin County, at State Highway 18, 2.0 mi (3.2 km) southeast of Puckett.	260	1958-79	1-20-79	25.22	12,600
02487500	Strong River at D'Lo, Miss.	Lat 31°58'45", long 89°54'05", in SW¼ sec.28, T.2 N., R.4 E., Choctaw Meridian, Simpson County, on left bank at downstream side of old U.S. Highway 49, 0.2 mi (0.3 km) south of D'Lo.	429	1928-71†, 1972-79	3- 5-79	28.37	12,300
02487670	Boggans ditch near Mendenhall, Miss.	Lat 31°53'10", long 89°53'20", in NE¼NE¼NE¼ sec.33, T.1 N., R.4 E., Choctaw Meridian, Simpson County, at culvert on State Highway 13, 5.5 mi (8.8 km) south of Mendenhall. Prior to Oct. 1, 1964, at datum 1.27 ft (0.387 m) higher.	.91	1955-79	2-24-79	3.82	127
02487900	Copiah Creek near Hazlehurst, Miss.	Lat 31°53'23", long 90°17'10", in SW¼SE¼ sec.27, T.1 N., R.1 W., Choctaw Meridian, Copiah County, at bridge on State Highway 28, 6.2 mi (10.0 km) east of Hazlehurst.	48.6	1948-65, 1966-68†, 1969-79	1-20-79	16.15	3,950
02488550	Goines Draw near Prentiss, Miss.	Lat 31°47'00", long 89°52'40", in NE¼NW¼NE¼ sec.2, T.9 N., R.19 W., St. Stephens Meridian, Simpson County, at culvert on State Highway 13, 12.2 mi (19.6 km) north of Prentiss.	.34	1955-79	7-21-79	2.98	106
02489030	Elmers Draw near Columbia, Miss.	Lat 31°12'00", long 89°58'00", in SE¼SE¼NW¼ sec.26, T.3 N., R.12 E., Washington Meridian, Marion County, at U.S. Highway 98, 5.7 mi (9.2 km) west of Columbia. Prior to Oct. 1, 1964, at datum 1.12 ft (0.341 m) higher.	.91	1955-79	2-24-79	7.56	402
02490550	Middle Fork Hickory Flat near Tylertown, Miss.	Lat 31°10', long 90°13', on line between secs. 5 and 8, T.2 N., R.10 E., Washington Meridian, Walthall County, at culvert on U.S. Highway 98, 0.2 mi (0.3 km) above Fernwood, Columbia, and Gulf Railroad, and 5.5 mi (8.8 km) northwest of Tylertown. Prior to Oct. 1, 1964, at datum 10.95 ft (3.338 m) lower.	1.37	1953-79	7-11-79	7.56	876

See footnotes at end of table.

Annual maximum discharge at crest-stage partial-record stations duriter year 1979--Continued

Station No.	Station name	Location	Drainage area (mi ²)	Period of record	Date	Annual maximum Gage height (feet)	Dis-charge (ft ³ /s)
Pearl River basin--Continued							
02492360	West Hobolochitto Creek near McNeill, Miss.	Lat 30°39'42", long 89°41'10", in NW¼NE¼ sec.34, T.4 S., R.17 W., St. Stephens Meridian, Pearl River County, at bridge on county road, 3.1 mi (5.0 km) west of McNeill	175	1966-68+ 1969-79	4- 4-79	22.58	14,600
Yazoo River basin							
07267000	Hell Creek near New Albany, Miss.	Lat 34°30'55", long 89°03'10", in SW¼ sec.36, T.6 S., R.2 E., Chickasaw Meridian, Union County at bridge on U.S. Highway 78, 3.0 mi (4.8 km) northwest of New Albany, and 4.5 mi (7.2 km) above mouth.	27.3	1939-42+ 1952-79	4-12-79	14.06	4,200
07268500	Cypress Creek near Etta, Miss.	Lat 34°26', long 89°17', in SE¼ sec.27, T.7 S., R.1 W., Chickasaw Meridian, Lafayette County, at bridge on State Highway 30, 4.5 mi (7.2 km) southwest of Etta, and 5.0 mi (8.0 km) above mouth. Prior to Oct. 1, 1964, at datum 10.00 ft (3.048 m) higher.	8.5	1939-42+ 1952-79	4-12-79	17.19	8,200
07269000	North Tippah Creek near Ripley, Miss.	Lat 34°44', long 89°02', in SW¼ sec.18, T.4 S., R.3 E., Chickasaw Meridian, Tippah County, at bridge on State Highway 4, 2.0 mi (3.2 km) upstream from Tippah Creek, and 5.5 mi (8.8 km) west of Ripley.	20.0	1939-42+ 1952-79	4-12-79	21.60	(†)
07274250	Otocalofa Creek at Water Valley, Miss. (Prior to Oct. 1, 1972, published as Otuckalofa Cr.)	Lat 34°08'25", long 89°38'17", in SW¼ NE¼ sec.8, T.11 S., R.4 W., Chickasaw Meridian, Yalobusha County, at bridge on State Highway 7, 0.9 mi (1.4 km) south of Water Valley, and 5.2 mi (8.4 km) above mouth.	84.1	1952-79	4-12-79	25.11	(†)
07275500	Long Creek at Courtland, Miss.	Lat 34°13'40", long 89°56'20", near center of sec.9, T.10 S., R.7 W., Chickasaw Meridian, Panola County, at bridge on U.S. Highway 51, 1.0 mi (1.6 km) south of Courtland, 5.5 mi (8.8 km) above mouth, and 6.0 mi (9.7 km) south of Batesville.	66.2	1940-43+ 1952-79	3- 3-79	7.52	8,500
07283490	Caney Creek near Coffeeville, Miss.	Lat 33°55'40", long 89°38'20", in SE¼ NE¼SW¼ sec.23, T.24 N., R.6 E., Choctaw Meridian, Yalobusha County, at culvert on State Highway 330, 4.2 mi (6.7 km) east of Coffeeville. Prior to Oct. 1, 1964, at datum 8.88 ft (2.707 m) lower.	1.97	1955-79	1-20-79	8.21	1,160
07285700	Long Creek near Cascilla, Miss.	Lat 33°51'40", long 89°59'05", in NE¼ sec.16, T.23 N., R.3 E., Choctaw Meridian, Tallahatchie County, at culvert on county highway, 1.1 mi (1.8 km) east of Cascilla.	1.64	1965-79	4-12-79	10.09	1,240
07286520	Big Sand Creek tributary near North Carrollton, Miss.	Lat 33°31'30", long 89°52'50", on line between SE¼ and NE¼ sec.9, T.19 N., R.4 E., Choctaw Meridian, Carroll County, at 3.0 ft (0.91 m) corrugated pipe on county highway 2.4 mi (3.9 km) east of North Carrollton.	.09	1965-79	1-20-79	5.23	39
07287165	Mosquito Lake tributary No. 1 at Itta Bena, Miss.	Lat 33°28'55", long 90°19'30", in SE¼ NW¼ sec.29, T.19 N., R.1 W., Choctaw Meridian, Leflore County, on State Highway 7, 0.5 mi (0.8 km) south of compress at Itta Bena.	.11	1966-79	1-20-79	5.33	78
07287170	Mosquito Lake tributary No. 2 at Itta Bena, Miss.	Lat 33°28'45", long 90°19'20", in NE¼ NW¼ sec.29, T.19 N., R.1 W., Choctaw Meridian, Leflore County, on State Highway 7, 0.8 mi (1.3 km) south of compress at Itta Bena.	.13	1966-79		(g)	(†)

See footnotes at end of table.

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SIES

Annual maximum discharge at crest-stage partial-record stationing water year 1979--Continued

Station No.	Station name	Location	Drainage area (mi ²)	Period of record	Date	Annual maximum	
						Gage height (feet)	Dis-charge (ft ³ /s)
Yazoo River basin--Continued							
07287350	Fannegusha Creek near Tchula, Miss.	Lat 33°10'00", long 90°10'12", on line between secs.11 and 14, T.15 N., R.1 E., Choctaw Meridian, Holmes County, on State Highway 12, 3.0 mi (4.8 km) east of Tchula.	100	1953-65h 1968-79	1-20-79	157.68	11,800
07288568	Quiver River tributary near Schlater, Miss. (discontinued)	Lat 33°38'30", long 90°24'30", in SE¼ sec.33, T.21 N., R.2 W., Choctaw Meridian, Leflore County, at culvert on State Highway 442, 3.4 mi (5.5 km) west of Schlater.	.18	1967-79	12- 3-78	j5.65	(†)
Big Black River basin							
07289265	Hays Creek tributary No. 1 near Vaiden, Miss.	Lat 33°23'10", long 89°45'40", in NE¼NW¼ sec.34, T.18 N., R.5 E., Choctaw Meridian, Carroll County, at bridge on U.S. Highway 51, 3.9 mi (6.2 km) north of Vaiden.	14	1975-79	1-20-79	25.66	1,720
07289395	Sharkey Creek tributary near West, Miss.	Lat 33°08'45", long 89°44'30", in NW¼ sec.24, T.15 N., R.5 E., Choctaw Meridian, Attala County, at culvert on State Highway 19, 4.7 mi (7.6 km) southeast of West.	.30	1967-79	1-20-79	9.53	300
07289470	Tacketts Creek tributary near Pickens, Miss.	Lat 32°56', long 89°58', on line between NE¼ and SE¼ sec.34, T.13 N., R.3 E., Choctaw Meridian, Holmes County, at culvert on State Highway 17, 3.6 mi (5.8 km) north of Pickens.	.15	1965-79	4-12-79	j7.90	(†)
07289600	Tilda Bogue near Canton, Miss.	Lat 32°39'15", long 90°00'50", in SW¼ sec.5, T.9 N., R.3 E., Choctaw Meridian, Madison County, at bridge on U.S. Highway 51, 3.0 mi (4.8 km) north of Canton, and 3.5 mi (5.6 km) above mouth.	24.4	1948-79	4-12-79	18.44	6,030
07289641	Panther Creek tributary near Flora, Miss.	Lat 32°34'00", long 90°10'05", in SW¼ sec.2, T.8 N., R.1 E., Choctaw Meridian, Madison County, at culvert on State Highway 22, 8.3 mi (13.4 km) northeast of Flora.	.07	1965-79	3- 3-79	7.24	137
07290005	Clear Creek near Bovina, Miss.	Lat 32°21'42", long 90°43'32", in SW¼ sec.17, T.6 N., R.5 W., Choctaw Meridian, Warren County, on county road, 1.0 mi (1.6 km) northeast of Bovina.	f36	1953-79	4-12-79	23.44	4,300
Bayou Pierre basin							
07290525	Whiteoak Creek tributary near Utica, Miss.	Lat 32°04'00", long 90°31'35", in SE¼ sec.29, Choctaw Meridian, Hinds County, at culvert on State Highway 27, 6.3 mi (10.1 km) southeast of Utica.	1.36	1965-79	c5- 7-78 1-20-79	c8.06 8.56	c670 600
07290690	Clarks Creek near Pattison, Miss.	Lat 31°53'40", long 90°50'40", in lot 35, T.11 N., R.4 E., Washington Meridian, Claiborne County, at bridge on county highway, 1.3 mi (2.1 km) above mouth, and 2.5 mi (4.0 km) east of Pattison.	77.4	1961-62†, 1963-79	3- 3-79	22.15	13,100
07290830	Little Creek near Fayette, Miss.	Lat 31°40'30", long 91°04'10", in SE corner of irregular section 24, T.8 N., R.1 E., Washington Meridian, Jefferson County, at culvert on State Highway 33, 2.0 mi (3.2 km) south of Fayette.	1.71	1967-79	1-20-79	10.52	908

See footnotes at end of table.

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

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Annual maximum discharge at crest-stage partial-record stations water year 1979--Continued

Station No.	Station name	Location	Drainage area (mi ²)	Period of record	Date	Annual maximum Gage height (feet)	Dis-charge (ft ³ /s)
Bayou Pierre basin--Continued							
07290870	Coles Creek near Fayette, Miss.	Lat 31°45'55", long 91°11'30", in lot 21, T.9 N., R.1 W., Washington Meridian, Jefferson County, at bridge on county highway, 0.7 mi (1.1 km) below confluence of North and South Forks of Coles Creek, and 10.0 mi (16.1 km) northwest of Fayette.	257	1961-62†, 1963-79	1-20-79	25.41	38,000
Homochitto River basin							
07291250	McCall Creek near Lucien, Miss.	Lat 31°30'24", long 90°38'45", in SW¼ sec.6, T.6 N., R.6 E., Washington Meridian, Franklin County, at U.S. Highway 84, 0.8 mi (1.3 km) east of Lucien.	f60	1953, 1955-79	4-23-79	83.32	6,400
Thompson Creek basin							
07373550	Moores Branch near Woodville, Miss.	Lat 31°05'20", long 91°14'30", in SE¼SW¼ sec.32, T.2 N., R.1 W., Washington Meridian, Wilkinson County, at State Highway 24, 3.3 mi (5.3 km) east of Woodville. Prior to Oct. 1, 1964, at datum 0.88 ft (0.268 m) lower.	0.21	1955-79	1-20-79	4.09	148
Mississippi River Delta							
07375235	Tangipahoa River tributary near McComb, Miss.	Lat 31°12'30", long 90°31'40", in NE¼SE¼ sec.19, T.3 N., R.7 E., Washington Meridian, Pike County, on State Highway 24, 4.8 mi (7.7 km) southwest of McComb.	2.71	1966-79	5-12-79	5.84	540
07376760	CRS Draw near Liberty, Miss.	Lat 31°06'50", long 90°54'10", in SW¼NW¼NW¼ sec.32, T.2 N., R.3 E., Washington Meridian, Amite County, on State Highway 48, 6.6 mi (10.6 km) west of intersection with Highway 24 in Liberty.	.80	1966-79	4-12-79	8.27	505

† Discharge not determined.

‡ Operated as a continuous-record gaging station.

a May not be annual maximum.

b Not previously published.

c Gage heights and discharge measurements in files of Corps of Engineers.

d Revised.

e Estimated from upstream-downstream gage relation.

f Approximately.

g High-water mark was not determined.

h Published at site near Howard, 3 mi (5 km) downstream.

j Affected by backwater.

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

Discharge measurements at miscellaneous sites

Measurements of streamflow at points other than gaging stations are given in the following table. Those that are measurements of base flow are designated by an asterisk (*); measurements of peak flow by a dagger (†).

Discharge measurements made at miscellaneous sites during water year 1979

Stream	Tributary to	Location	Drainage area (mi ²)	Measured previously (water years)	Measurements Discharge Date (ft ³ /s)
Mobile River basin					
Nichols Creek	Tombigbee River	Lat 33°48'53", long 88°29'20", in SW¼ sec.25, T.14 S., R.19 W., Huntsville Meridian, Monroe County, at U.S. High- way 45, 3.2 mi (5.1 km) southeast of Aberdeen, MS.	24.1	1977 1978	10- 2-78 *4.43 11- 6-78 *3.54 2-12-79 25.4 8- 6-79 8.00 9- 3-79 9.44
James Creek	Tombigbee River	Lat 33°48'04", long 88°33'16", NE¼SW¼ sec.3, T.15 S., R.7 E., Chickasaw Meridian, Monroe County at State High- way 25, 6.4 mi (10.3 km) east of Prairie, MS.	--	--	11-15-78 *2.41
James Creek	Tombigbee River	Lat 33°47'48", long 88°33'01", in NW¼NE¼ sec.10, T.15 S., R.7 E., Chickasaw Meridian, Monroe County at Illinois Central Railroad, 2.0 mi (3.2 km) south of Aberdeen, MS.	--	--	11-15-78 *2.98
James Creek	Tombigbee River	Lat 33°47'20", long 88°32'02", in NW¼SE¼ sec.11, T.15 S., R.7 E., Chickasaw Meridian, Monroe County, on paved county road 3.6 mi (5.8 km) northeast of Binford, MS.	--	--	11-15-78 *3.02
James Creek	Tombigbee River	Lat 33°47'34", long 88°31'07", in NE¼NW¼ sec.12, T.15 S., R.7 E., Chickasaw Meridian, Monroe County, 2.0 mi (3.2 km) south of East Aberdeen, MS.	--	--	11-15-78 *3.36
Town Creek	Tibbee Creek	Lat 33°34'06", long 88°38'31", in S¼ sec.26, T.17 S., R.6 E., Chickasaw Meridian, Clay County, at bridge on county road, 2.5 mi (4.0 km) south of West Point, MS.	--	--	6-20-79 5.43
Catalpa Creek	Tibbee Creek	Lat 33°31'18", long 88°33'50", in NE¼ sec.13, T.19 N., R.16 E., Choctaw Meridian, on county road at Clay-Lowndes County lines 6.3 mi (10.1 km) southeast of West Point, MS.	--	--	10-19-78 *1.20 11- 7-78 *1.56 2-12-79 50.2 6- 5-79 9.55 6-19-79 *3.66 7- 2-79 *1.99 8- 7-79 *5.91 9- 5-79 9.10
Magby Creek	Luxapallila Creek	Lat 33°30'21", long 88°23'23", in NE¼NW¼ sec.14, T.18 S., R.18 W., Huntsville Meridian, Lowndes County, 1.0 mi (1.6 km) northeast of Columbus, MS.	--	--	9-11-79 11.3
Luxapallila Creek	Tombigbee River	Lat 33°29'32", long 88°24'01", in NE¼ sec.33, T.18 S., R.18 W., Huntsville Meridian, Lowndes County, at Air Line Road at Columbus, MS.	--	--	9-11-79 269
McCrary Creek	Luxapallila Creek	Lat 33°29'14", long 88°23'21", in NE¼ sec.23, T.18 S., R.18 W., Huntsville Meridian, Lowndes County, on State Highway 69, 0.7 mi south of U.S. Highway 82, 1 mi (1.6 km) east of Columbus, MS.	--	--	9-11-79 5.00

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 1979--Continued

Stream	Tributary to	Location	Drainage area (mi ²)	Measured previously (water years)	Measurements Date	Discharge (ft ³ /s)
Mobile River basin--Continued						
Luxapallila	Tombigbee River	Lat 33°28'37", long 88°24'15", in NE¼ sec.27, T.18 S., R.18 W., Huntsville Meridian, Lowndes County, at bridge on county highway 1.5 mi (2.4 km) southeast of Columbus, MS.	--	--	8-21-79 9-10-79	166 348
Hashuqua Creek	Noxubee River	Lat 33°06'07", long 88°40'53", on line between NE¼ sec.5, T.14 N., R.16 E., and SE¼ sec.32, T.15 N., R.16 E., Choctaw Meridian, Noxubee County, at bridge on State Highway 14, 7.6 mi (12.2 km) west of Macon, MS.	95.1	1952-70	4-12-79	13,900
Plum Creek	Noxubee River	Lat 33°06'04", long 88°31'26", in NE¼ sec.2, T.14 N., R.17 E., Choctaw Meridian, Noxubee County, on State Highway 14, 2.2 mi (3.5 km) east of Macon, MS.	--	--	4-12-79	9,720
Tibby Creek	Noxubee River	Lat 33°05'44", long 88°29'12", NE¼SE¼ sec.6, T.14 N., R.18 E., Choctaw Meridian, Noxubee County, at bridge on State Highway 14, 4.4 mi (7.1 km) east of Macon, MS.	--	--	4-12-79	11,330
Woodward Creek	Noxubee River	Lat 33°05'25", long 88°26'01", SW¼SW¼ sec.2, T.14 N., R.18 E., Choctaw Meridian, Noxubee County on State Highway 14, 1.1 mi (1.8 km) east of McLeod, MS.	--	--	4-12-79	3,310
Woodward Creek Tributary	Woodward Creek	Lat 33°05'33', long 88°24'40", in SE¼ sec.1, T.14 N., R.18 E., Choctaw Meridian, Noxubee County, State Highway 14, 2.4 mi (3.9 km) east of McLeod, MS.	--	--	4-12-79	1,600
Sucarnoochee Creek	Tombigbee River	Lat 32°41'55", long 88°29'12", in SE¼ sec.19, T.10 N., R.18 E., Choctaw Meridian, Kemper County, at bridge on U.S. Highway 45, 1.0 mi (1.6 km) northwest of Porterville, MS.	132	1942-44 1953-54 1959-60, 1973 1976	4-13-79	20,800
Pawticfaw Creek	Sucarnoochee Creek	Lat 32°38'42", long 88°29'50", in NW¼ sec.7, T.9 N., R.18 E., Choctaw Meridian, Kemper Co., on U.S. Hwy. 45, 3.5 mi (5.6 km) southwest of Porterville, MS.	--	1953-54 1959-60 1970 1973 1976	4-13-79	18,400
Pascagoula River basin						
Okatoma Creek	Bowie River	Lat 31°45'44", long 89°38'36", in center of sec.7, T.9 N., R.16 W., St. Stephens Meri- dian, Covington County, at bridge on State Highway 35, 0.5 mi (0.8 km) east of Mt. Olive, MS.	--	1954-57 1959-60	3- 4-79	3,160
Leaf River	Pascagoula River	Lat 31°26'20", long 89°18'02", in SE¼ sec.33, T.6 N., R.13 W., St. Stephens Meridian, Jones County, at county highway bridge 1.0 mi (1.6 km) west of Eastabuchie, MS.	1,043	1965 1975-76	10-31-78	*211

See footnotes at end of table.

DISCHARGE AT PARTIAL-RECORD STATIONS MISCELLANEOUS SITES

Discharge measurements made at miscellaneous sites during water year 1979--Continued

Stream	Tributary to	Location	Drainage area (mi ²)	Measured previously (water years)	Measurements Date	Discharge (ft ³ /s)
Pascagoula River basin--Continued						
Bowie River	Leaf River	Lat 31°23'44", long 89°21'56", in SE¼ sec.14, T.5 N., R.14 W., St. Stephens Meridian, Forrest County, at bridge on county road 1.0 mi (1.6 km) north of Rawls Springs and 4.0 mi (6.4 km) northeast of Glendale, MS.	--	1974-76	10-31-78	*208
Leaf River	Pascagoula River	Lat 31°15'40", long 89°13'35", SW¼SW¼ sec.32, T.4 N., R.12 W., St. Stephens Meri- dian, Forrest County, at bridge on county road 2.7 mi (4.3 km) southeast of Palmer, MS.	--	1971-74	11- 1-78	*513
Tallahala Creek	Leaf River	Lat 31°47'05", long 89°04'30", in SW¼ sec.35, T.9 N., R.11 W., St. Stephens Meridian, Jones County, at county highway 2.3 mi (3.7 km) west of Sandersville, MS.	198	1956a 1975-78	11- 1-78 8-23-79 9-28-79	*5.79 27.7 153
Tallahala Creek	Leaf River	Lat 31°42'37", long 89°06'44", in NW¼ sec.33, T.9 N., R.11 W., St. Stephens Meridian, Jones County, at Interstate 59 at Laurel, MS.	--	1978	8-23-79	32.8
Leaf River	Pascagoula River	Lat 31°10'56", long 88°55'08", in NW¼ sec.32, T.3 N., R.9 W., St. Stephens Meri- dian Perry County, at bridge on State Highway 15, 1.0 mi (1.6 km) north of Beaumont, MS.	3,120	1944-46 1965 1977	10-31-78	*668
Thompson Creek	Leaf River	Lat 31°21'22", long 88°55'28", in SW¼NW¼ sec.32, T.5 N., R.9 W., St. Stephens Meri- dian, Perry County, on State Highway 42, 0.4 mi (0.6 km) east of Richton, MS.	186	1943 1951 1953-57 1960-61 1964-66	4- 4-79	12,900
Archusa Creek	Chickasawhay River	Lat 32°01'28", long 88°43'33" in SE¼SE¼ sec.11, T.2 N., R.15 E., Choctaw Meridian, Clarke County, 0.8 mi (1.3 km) south of Quitman, MS.	--	--	12-12-78	79.7
Chickasawhay River	Pascagoula River	Lat 31°41'43", long 88°40'12" in NW¼ sec.2, T.8 N., R.7 W., St. Stephens Meri- dian, Wayne County, at bridge on county road 0.4 mi (0.6 km) west of Woodward and 1.0 mi northwest of Waynesboro, MS.	1,660	--	11- 1-78	*202
Black Creek	Pascagoula River	Lat 31°11'25", long 89°22'36" in SW¼ sec.26, T.3 N., R.14 W., St. Stephens Meridian, Lamar County, at bridge on U.S. Highway 11, 4.0 mi (6.4 km) northwest of Purvis, MS.	154	1957-70a 1975-79	8-24-79 9-26-79	299 193
Pascagoula River	Gulf of Mexico	Lat 30°36'42", long 88°38'30" in N¼ sec.38, T.5 S., R.7 W., St. Stephens Meri- dian, Jackson County, at bridge on county road, at Graham Ferry, MS.	8,150	1959 1961 1971-72	5-22-79	7,310
Escatawpa River	Pascagoula River	Lat 30°33'20", long 88°26'40" in NW¼ sec.1, T.6 S., R.5 W., St. Stephens Meridian, Jackson County, 3.5 mi (5.6 km) southeast of Big Point, and 8.0 mi (12.8 km) southeast of Hurley, MS.	--	--	5-22-79	*553

See footnotes at end of table.

Discharge measurements made at miscellaneous sites during water year 1979--Continued

Stream	Tributary to	Location	Drainage area (mi ²)	Measured previously (water years)	Measurements Date	Discharge (ft ³ /s)
Pearl River basin						
Nanah Waiya Creek	Pearl River	Lat 32°59'36", long 88°53'36" in NW¼ sec.8, T.13 N., R.14 E., Choctaw Meridian Winston County, on State Highway 490, 2.5 mi (4.0 km) northwest of Handle, MS.	80.5	1970-71	4-12-79	25,500
Nanah Waiya Creek	Pearl River	Lat 32°57'22", long 88°52'57" in SW¼NE¼ sec.20, T.13 N., R.14 E., Winston County, Choctaw Meridian, on State Highway 397, 0.6 mi (1.0 km) west of Handle, MS.	105	1953-56 1962 1965 1969-70	4-12-79	14,700
Bogue Chitto Creek	Pearl River	Lat 32°53'05", long 88°56'28" in SW¼ sec.14, T.12 N., R.13 E., Choctaw Meridian, Neshoba County, at bridge on State Highway 21, 3.0 mi (4.8 km) northeast of Bond, MS.	--	1953-54 1956 1962	4-13-79	23,100
Pearl River	Gulf of Mexico	Lat 32°50'27", long 89°05'51" in SW¼NE¼ sec.6, T.11 N., R.12 E., Choctaw Meridian, Neshoba County, at bridge on State Highway 15, 2.0 mi south of Burnside, MS and 4.8 mi (7.7 km) north of Phila- delphia, MS.	514	1938 1940 1943-45	4-13-79	70,600
Pearl River	Gulf of Mexico	Lat 32°30'50", long 89°56'25" in NE¼ sec.25, T.8 N., R.3 E., Choctaw Meridian, near Rankin-Madison County line at Meek's Bridge on State Highway 43, in back- water of Ross Barnett Reservoir.	2,780	1938-63†	4-15-79 4-16-79 4-17-79 4-18-79 4-19-79	128,000 143,000 102,000 73,200 43,700
Pearl River	Gulf of Mexico	Lat 32°19'56", long 90°07'42" in NE¼SE¼ sec.30, T.6 N., R.2 E., Choctaw Meridian, Hinds County, on State High- way 25 at Jackson, MS.	--	1969 1976	4-20-79	55,300
Pearl River	Gulf of Mexico	Lat 31°14'14", long 89°50'54" b5,690 in E¼ sec. 7, T.3 N., R.18 W., St. Stephens Meridian, Marion County, at bridge on U.S. Highway 98, 1.5 mi (2.4 km) south- west of Columbia, MS.	b5,690	1928-54† 1955 1958 1960-64 1966-67 1972 1974	4-19-79 4-20-79 4-21-79 4-22-79 4-23-79 8-24-79 9-26-79	61,800 88,600 122,000 115,000 108,000 3,650 19,700
Upper Little Creek	Pearl River	Lat 31°16'40", long 89°40'16" in SE¼ sec.26, T.4 N., R.17 W., St. Stephens Meri- dian, Marion County at bridge on U.S. Highway 98, 10 mi (16.1 km) east of Columbia, MS.	--	1962 1966	1-20-79	†808
Gully Creek	Upper Little Creek	Lat 31°16'32", long 89°40'53" in SE¼SW¼ sec.26 T.4 N., R.17 W., St. Stephens Meri- dian, Marion County, at bridge on U.S. Highway 98, 9.2 mi (14.8 km) east of Columbia, MS.	--	--	1-20-79	447
Beaver Dam Creek	Upper Little Creek	Lat 31°16'16", long 89°41'52" in NE¼NW¼ sec.34, T.4 N., R.17 W., St. Stephens Meri- dian, Marion County, at bridge on U.S. Highway 98, 8.2 mi (13.2 km) east of Columbia, MS.	--	--	1-20-79	†581

See footnotes at end of table.

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

Discharge measurements made at miscellaneous sites during water year 1979--Continued

Stream	Tributary to	Location	Drainage area (mi ²)	Measured previously (water years)	Measurements Date	Discharge (ft ³ /s)
Pearl River basin--Continued						
Graves Creek	Upper Little Creek	Lat 31°16'00", long 89°42'53" in SE¼NW¼ sec.33, T.4 N., R.17 W., St. Stephens Meri- dian, Marion County, on U.S. Highway 98, 7.2 mi (11.6 km) east of Columbia, MS.	615	1953-55 1960 1966	1-20-79	1704
Bogue Chitto	Pearl River	Lat 31°01'20", long 90°12'20" in SE¼NE¼ sec.29, T.1 N., R.10 E., Washington Meridian, Walthall County, on county road, 1.0 mi (1.6 km) west of Lehr, MS.	--	1970-71 1976	8-24-79 9-26-79	1,350 755
Yazoo River basin						
Little Tallahatchie River	Tallahatchie River	Lat 34°30'21", long 88°59'46" in NW¼ sec.4, T.7 S., R.3 E., Chickasaw Meridian, Union County, at bridge on State Highway 15, 0.5 mi (0.8 km) north of New Albany, MS.	--	--	7-31-79	48.9
Little Tallahatchie River	Tallahatchie River	Lat 34°29'42", long 89°00'48" in NW¼ sec.8, T.7 S., R.3 E., Chickasaw Meridian, Union County, at bridge on old Highway 78, at New Albany City Limits.	--	--	8-1-79	49.5
Little Tallahatchie River	Tallahatchie River	Lat 34°27'49", long 89°03'23" in NE¼ sec.23, T.7 S., R.2 E., Chickasaw Meridian, Union County, at bridge on county highway, 4.0 mi (6.4 km) southeast of New Albany, MS. 4.0 mi (6.4 km) north of Ingomar.	--	--	7-31-79	60.1
Tillatoba Creek	Tallahatchie River	Lat 34°01'04", long 89°55'00" in SE¼, sec.19, T.25 N., R.4 E., Choctaw Meridian, Yalobusha County, at bridge on county highway, 3.0 mi (4.8 km) northwest of Tillatoba, MS.	--	1973 1975-78	8-14-79	*3.26
Tillatoba Creek	Tallahatchie River	Lat 33°59'50", long 89°58'45" on line between secs.33 and 34, T.25 N., R.3 E., Choctaw Meridian, Yalobusha County, at bridge on county road, 4.8 mi (7.7 km) west of Tillatoba, 4.5 mi (7.2 km) east of Charleston, MS.	--	--	8-14-79	*4.92
Davis Creek	South Fork Tillatoba Creek	Lat 33°55'26", long 89°55'12" in NW¼ sec.30, T.24 N., R.3 E., Choctaw Meridian, Yalobusha County, at bridge on county road, 4.5 mi (7.2 km) southwest of Tilla- toba, MS.	--	1973 1975-78	8-15-79	*4.56
South Fork Tillatoba Creek	Tillatoba Creek	Lat 33°55'54", long 89°56'40" in SE¼ sec.23, T.24 N., R.3 E., Choctaw Meridian, Tallahatchie County, 4.0 mi (6.4 km) west of Scobey and 4.0 mi (6.4 km) south- west of Tillatoba, MS.	--	1973 1975-78	8-14-79 8-15-79	*2.43 *5.69
Simmons Creek	South Fork Tillatoba Creek	Lat 33°58'05", long 89°54'09" in NW¼ sec.8, T.24 N., R.4 E., Choctaw Meridian, Yalobusha County, at U.S. Highway 51, 1.0 mi (1.6 km) south of Tillatoba, MS.	--	1973 1975-78	8-13-79	*1.63

See footnotes at end of table.

Discharge measurements made at miscellaneous sites during water year 1979--Continued

Stream	Tributary to	Location	Drainage area (mi ²)	Measured previously (water years)	Measurements Date	Discharge (ft ³ /s)
Yazoo River basin--Continued						
South Fork Tillatoba Creek	Tillatoba Creek	Lat 33°57'36", long 89°57'37" on line between secs. 10 and and 11, T.24 N., R.3 E., Choctaw Meridian, Tallahatchie County, at bridge on county road, 4.0 mi (6.4 km) south- west of Tillatoba, MS.	--	1973-78	8-13-79 9-19-79	*5.62 *6.57
Tillatoba Creek	Tallahatchie River	Lat 33°59'22", long 89°59'38" in SW¼ sec.33, T.25 N., R.3 E., Choctaw Meridian, Tallahatchie County, 4.0 mi (6.4 km) east of Charleston.	--	1975-78	8-14-79	*13.4
Big Black River Basin						
Zilpha Creek	Big Black River	Lat 33°14'18", long 89°39'40" in NW¼ sec.23, T.16 N., R.6 E., Choctaw Meridian, Attala County, at bridge on State Highway 35, 12.5 mi (20.1 km) north of Kosciusko, MS.	90	1953-55 1957-58 1966 1969	4-12-79	†21,400
Big Black River	Mississippi River	Lat 32°52'50", long 89°57'58" in SW¼SW¼ sec.14, T.12 N., R.3 E., Choctaw Meridian, Holmes County, at bridge on county road, 0.5 mi (0.8 km) southeast of Pickens, MS.	61,460	1936-71†	4-15-79	49,100
Big Black River	Mississippi River	Lat 32°42'46", long 90°05'39" in sec.16, T.10 N., R.2 E., Choctaw Meridian, Madison County, on State Highway 16, 6.8 mi (10.9 km) northwest of Canton, MS.	1,820	1959-60 1962 1964 1966 1969-73 1977	4-15-79	71,900

† Operated as a continuous record gaging station.

a Operated as crest-stage gage.

b Approximately.

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

Discharge measurements in Tennessee-Tombigbee Study Area, Mississippi

Measurements of streamflow made in the Tennessee-Tombigbee Study Area, Mississippi, are given in the following table. Data below furnished by and are in files of Corps of Engineers, Mobile District.

Discharge measurements in Tennessee-Tombigbee Study Area, Mississippi, during water year 1979

Station no.	Stream	Location	Drainage area (mi ²)	Measured previously (water years)	Measurements Date	Discharge (ft ³ /s)
Mobile River basin						
02429710	Big Rock Hollow	Lat 34°43'00", long 88°26'06", in SW¼ sec.23, T.4 S., R.8 E., Chickasaw Meridian, Prentiss County, on county road, 3.4 mi (5.5 km) north of Altitude, Miss.	1.06	1972, 1975-78	10-12-78	0.03
02429713	Yarber Branch	Lat 34°42'58", long 88°26'11", in SW¼ sec.23, T.4 S., R.8 E., Chickasaw Meridian, Prentiss County, on county road, 3.4 mi (5.5 km) north of Altitude, Miss.	.47	1972, 1974-78	10-12-78	.10
02429718	Big Rock Hollow	Lat 34°42'08", long 88°26'08", in SW¼ sec.26, T.4 S., R.8 E., Chickasaw Meridian, Prentiss County, on county road, 2.4 mi (3.9 km) north of Altitude, Miss.	2.93	1972, 1974-78	10-18-78	.10
02429725	Heading Mill Hollow	Lat 34°42'13", long 88°25'38", in center of sec.26, T.4 S., R.8 E., Chickasaw Meridian, Prentiss County on county road, 2.6 mi (4.2 km) north of Altitude, Miss.	3.88	1972, 1974-78	10-12-78	.12
02429735	Big Brown Creek	Lat 34°40'11", long 88°25'48", in SW¼ sec.2, T.5 S., R.8 E., Chickasaw Meridian, Prentiss County on State Highway 364, 0.7 mi (1.1 km) east of Altitude, Miss.	11.3	1972, 1974-78	10-12-78 10-22-78	.18 .41
02429742	North Channel of East Prong	Lat 34°41'11", long 88°23'22", in SE¼ sec.31, T.4 S., R.9 E., Chickasaw Meridian, Prentiss County on county road, 3.3 mi (5.3 km) northeast of Altitude, Miss.	1.53	1972, 1974-78	10-22-78	.04
02429743	Middle Channel of East Prong	Lat 34°41'08", long 88°23'20", in SE¼ sec.31, T.4 S., R.9 E., Chickasaw Meridian, Prentiss County on county road 3.3 mi (5.3 km) northeast of Altitude, Miss.	.12	1972, 1976-78	10-12-78	0
02429745	South Channel of East Prong	Lat 34°41'04", long 88°23'19", in SE¼ sec.31, T.4 S., R.9 E., Chickasaw Meridian, Prentiss County on county road, 3.3 mi (5.3 km) northeast of Altitude, Miss.	.20	1972, 1976-78	10-12-78	<.01
02429750	East Prong	Lat 34°40'49", long 88°24'18", in NE¼ sec.1, T.5 S., R.8 E., Chickasaw Meridian, Prentiss County on county road, 2.4 mi (3.9 km) northeast of Altitude, Miss.	4.93	1972, 1974-78	10-12-78 10-22-78	<.01 .04
02429752	East Prong tributary	Lat 34°40'50", long 88°24'22", in NE¼ sec.1, T.5 S., R.8 E., Chickasaw Meridian, Prentiss County on county road 2.4 mi northeast of Altitude, Miss.	.29	1972, 1978	10-12-78	0
02429754	East Prong tributary No. 2	Lat 34°40'47", long 88°24'44", in sec.1, T.5 S., R.8 E., Chickasaw Meridian, Prentiss County, on State Highway 364, 1.9 mi northeast of Altitude, Miss.	.14	1972, 1978	10-12-78	0
02429755	East Prong tributary No. 3	Lat 34°40'37", long 88°24'57", in W¼ sec.1, T.5 W., R.8 E., Chickasaw Meridian, Prentiss County, on State Highway 364, 1.6 mi northeast of Altitude, Miss.	.10	1972, 1978	10-12-78	0

Discharge measurements made in Tennessee-Tombigbee Study Area, Mississippi, during water year 1979--Continued

Station no.	Stream	Location	Drainage area (mi ²)	Measured previously (water years)	Measurements Date	Discharge (ft ³ /s)
Mobile River basin--Continued						
02429757	East Prong tributary No. 4	Lat 34°40'27", long 88°25'16", in E½ sec.2, T.5 S., R.8 E., Chickasaw Meridian, Prentiss County, on State Highway 364, 1.3 mi northeast of Altitude, Miss.	0.19	1972 1978	10-12-78	0
02429764	Big Brown Creek tributary No. 3	Lat 34°40'07", long 88°25'56", in SW¼ sec.2, T.5 S., R.8 E., Chick- asaw Meridian, Prentiss County, on State Highway 364, 0.6 mi east of Altitude, Miss.	.62	1972 1978	10-12-78	0
02429933	Little Brown Creek	Lat 34°38'40", long 88°21'24", in center of sec.9, T.5 S., R.9 E., Chickasaw Meridian, Prentiss County, on county road, 1.8 mi (2.9 km) northwest of Burton, Miss.	1.59	1972, 1974-78	10-11-78	.15
02429934	Little Brown Creek tributary	Lat 34°39'27", long 88°20'44", in SW¼ sec.10, T.5 S., R.9 E., Chickasaw Meridian, Prentiss County, on State Highway 375, 1.3 mi (2.1 km) north of Burton, Miss.	3.28	1972, 1974-76 1978	10-11-78	.94
024299348	Little Brown Creek tributary No. 4	Lat 34°39'27", long 88°20'44", in W½ sec.10, T.5 S., R.9 E., Chickasaw Meridian, Prentiss County, on State Highway 365, 1.4 mi (2.3 km) north of Burton, Miss.	.77	1972, 1976-78	10-11-78	.12
02429935	Little Brown Creek	Lat 34°38'42", long 88°21'26", in center of sec.16, R.5 S., R.9 E., Chickasaw Meridian, Prentiss County, on county road, 1.2 mi (1.9 km) northwest of Burton, Miss.	6.86	1972, 1974-78	10-11-78	1.86
02429942	Little Brown Creek tributary	Lat 34°37'29", long 88°21'50", on line between SW¼ sec.21 and NW¼ sec.28, T.5 S., R.9 E., Chickasaw Meridian, Prentiss County, on State Highway 30, 1.6 mi (2.6 km) east of New Hope, Miss.	10.1	1972, 1974-78	10-12-78	2.80
02429943	Little Brown Creek tributary	Lat 34°57'30", long 88°21'40", in NW¼ sec.28, R.5 S., R.9 E., Chickasaw Meridian, Prentiss County, on county road, 1.7 mi (2.7 km) east of New Hope, Miss.	.15	1972, 1974-78	10-11-78	.02
02429947	Lacy Creek	Lat 34°37'29", long 88°22'04", on sec. line 29-20, T.5 S., R.9 E., Chickasaw Meridian, Prentiss County, on State Highway 30, 1.4 mi (2.3 km) east of New Hope, Miss.	2.82	1972, 1974-75, 1977-78	10-12-78	<.01
02429972	Hurricane Creek	Lat 34°40'16", long 88°18'08", in SE¼ sec.1, T.5 S., R.9 E., Chickasaw Meridian, Tishomingo County, on county road, 2.3 mi (3.7 km) northwest of Paden, Miss.	.69	1972, 1975-78	10- 9-78	.04
02429973	Hurricane Creek tributary	Lat 34°40'14", long 88°17'24", in SW¼ sec.6, T.5 S., R.10 E., Chickasaw Meridian, Tishomingo County on county road 1.7 mi (2.7 km) northwest of Paden, Miss.	0.90	1972, 1974-78	10- 9-78	.04
02429975	Black Branch	Lat 34°39'53", long 88°15'00", in N¼ sec.8, T.5 S., R.10 E., Chickasaw Meridian, Tishomingo County on Illinois Central Railroad bridge, 0.5 mi (0.8 km) north of Paden, Miss.	1.40	1972, 1974-78	10-10-78	.41

Discharge measurements made in Tennessee-Tombigbee Study Area, Mississippi, during water year 1979--Continued

Station no.	Stream	Location	Drainage area (mi ²)	Measured previously (water years)	Measurements Date	Discharge (ft ³ /s)
Mobile River basin--Continued						
02429977	Panther Creek	Lat 34°39'34", long 88°15'37", on sec. line 8-9, T.5 S., R.10 E., Chickasaw Meridian, Tishomingo County, on county road, 0.3 mi (0.5 km) east of Paden, Miss.	2.76	1972, 1974-78	10-10-78	1.99
02429978	King Creek North Fork	Lat 34°38'21", long 88°14'04", in SE¼ sec.15, T.5 S., R.10 E., Chickasaw Meridian, Tishomingo County, on old State Highway 30, 0.2 mi (2.3 km) northwest of Tishomingo, Miss.	3.51	1972, 1974-78	10-10-78	.62
02429979	King Creek South Fork	Lat 34°38'15", long 88°14'09", in NW¼ sec.22, T.5 S., R.10 E., Chickasaw Meridian, Tishomingo County, on Natchez Trace, 0.2 mi (0.3 km) west of Tishomingo, Miss.	3.51	1972, 1974-78	10-10-78	1.60
024299792	King Creek tributary	Lat 34°38'29", long 88°14'48", in SE¼ sec.16, T.5 S., R.10 E., Chickasaw Meridian, Tishomingo County, on Natchez Trace, 0.9 mi (1.4 km) northwest of Tishomingo, Miss.	.15	1972, 1974-78	10-10-78	.34
024299794	King Creek tributary No. 2	Lat 34°38'28", long 88°15'03", in S¼ sec.16, T.5 S., R.10 E., Chickasaw Meridian, Tishomingo County, on Natchez Trace, 1.1 mi (1.8 km) northwest of Tishomingo, Miss.	.08	1972, 1976-78	10-10-78	.01
024299814	Mackeys Creek tributary	Lat 34°38'26", long 88°15'34", in SW¼ sec.16, T.5 S., R.10 E., Chickasaw Meridian, Tishomingo County, on Natchez Trace, 1.2 mi (1.9 km) south of Paden, Miss.	.19	1972 1974-78	10-10-78	.12
02429985	Sandy Hook Creek	Lat 34°38'16", long 88°17'06", in NE¼ sec.19, T.5 S., R.10 E., Chickasaw Meridian, Tishomingo County, on county road, 1.8 mi (2.9 km) southwest of Paden, Miss.	1.13	1972, 1974-78	10-11-78	.41
02429987	Reedy Branch	Lat 34°38'04", long 88°17'02", in NW¼ sec.19, T.5 S., R.10 E., Chickasaw Meridian, Tishomingo County, on county road 2.3 mi (3.7 km) southwest of Paden, Miss.	.82	1972, 1975-78	10-11-78	.09
02429988	Reedy Branch tributary	Lat 34°38'02", long 88°17'36", in NW¼ sec.19, T.5 S., R.10 E., Chickasaw Meridian, Tishomingo County, on county road 2.3 mi (3.7 km) southwest of Paden, Miss.	.53	1972, 1976-78	10-11-78	.07
02429996	Riddle Creek	Lat 34°37'26", long 88°19'31", in NW¼ sec.26, T.5 S., R.9 E., Chickasaw Meridian, Tishomingo County, on county road, 1.3 mi (7.1 km) southeast of Burton, Miss.	3.72	1972, 1975-78	10-11-78	.15
02430030	Rock Creek	Lat 34°31'09", long 88°15'26", in NW¼ sec.33, T.6 S., R.10 E., Chickasaw Meridian, Tishomingo County, on county road, 2.9 mi (4.7 km) west of Belmont, Miss.	4.33	1972, 1976-78	10-22-78	.90
02430048	Jourdan Creek	Lat 34°32'33", long 88°16'26", in SW¼ sec.20, T.6 S., R.10 E., Chickasaw Meridian, Tishomingo County, on State Highway 4, 2.9 mi (4.7 km) southwest of Dennis, Miss.	5.74	1972, 1974-78	10-22-78	.63
02430110	Caveness Branch	Lat 34°29'15", long 88°21'23", in N¼ sec.9, T.7 S., R.9 E., Chickasaw Meridian, Prentiss County, on county road, 1.8 mi (2.9 km) northwest of Moores Mill, Miss.	4.45	1972, 1974-78	10-22-78	1.88

Discharge measurement made in Tennessee-Tombigbee Study Area, Mississippi, during water year 1979--Continued

Station no.	Stream	Location	Drainage area (mi ²)	Measured previously (water years)	Measurements Date	Discharge (ft ³ /s)
Mobile River basin--Continued						
02430120	Pounds Creek	Lat 34°29'15", long 88°21'31", in NW¼ sec.9, T.7 S., R.9 E., Chickasaw Meridian, Prentiss County, on county road, 1.9 mi (3.1 km) northwest of Moores Mill, Miss.	3.53	1972, 1974-78	10-22-78	0.68
02430126	Saucer Creek	Lat 34°28'05", long 88°20'18", in S¼ sec.15, T.7 S., R.9 E., Chickasaw Meridian, Prentiss County, on county road, 1.8 mi (2.9 km) southwest of Moores Mill, Miss.	8.97	1972, 1974-78	10-22-78	2.19
02430150	Mackeys Creek tributary	Lat 34°27'38", long 88°21'32", in NW¼ sec.21, T.7 S., R.9 E., Chickasaw Meridian, Itawamba County, on county road, 2.3 mi (3.7 km) southwest of Moores Mill, Miss.	.85	1972, 1974-78	10-21-78	.63
02430200	Wright Branch	Lat 34°28'51", long 88°22'26", in SW¼ sec.8, T.7 S., R.9 E., Chickasaw Meridian, Prentiss County on county road, 5.1 mi (8.2 km) southeast of Marietta, Miss.	3.13	1972, 1976	10-22-78	.87
02430300	Fret Branch	Lat 34°28'53", long 88°23'53", in SW¼ sec.7, T.7 S., R.9 E., Chickasaw Meridian, Prentiss County, on county road, 4.2 mi (6.8 km) southeast of Marietta, Miss.	1.75	1972, 1976	10-22-78	.16
02430600	Donivan Creek	Lat 34°24'54", long 88°26'26", in E½ sec.3, T.8 S., R.8 E., Chickasaw Meridian, Itawamba County, on county road 3.7 mi (6.0 km) southeast of Kirkville, Miss.	36.0	1962-63, 1972, 1974-76	10-21-78	.50
02430690	Twentymile Creek	Lat 34°23'10", long 88°27'40", in center of sec.16, T.8 S., R.8 E., Chickasaw Meridian, Itawamba County, on State Highway 371, 4.6 mi (7.4 km) north of Mantachie, Miss.	146	1962-63, 1965, 1972, 1974-76	10-13-78 10-21-78	1.68 1.11
02431400	Mantachie Creek	Lat 33°15'55", long 88°26'42", in SE¼ sec.32, T.9 S., R.8 E., Chickasaw Meridian, Itawamba County, at bridge on U.S. Highway 78, 0.5 mi (0.8 km) east of Dorsey, Miss.	61.8	1943, 1945-46, 1952-57, 1959-60, 1970, 1972, 1974-76	10-21-78	1.90
02431700	Reeds Creek	Lat 34°12'19", long 88°22'23", on line between sec.17 and 20, T.10 S., R.9 E., Chickasaw Meridian, Itawamba County, at bridge on State Highway 25, 0.5 mi (0.8 km) southeast of Beans Ferry, Miss.	--	1975-76 1978	10-21-78	4.18
02433300	Boguefala Creek	Lat 34°04'53", long 88°27'49", in center of sec.33, T.11 S., R.8 E., Chickasaw Meridian, Monroe County, on county road, 2.7 mi (4.3 km) south of Carolina, Miss.	55.7	1972, 1974-76 1978	10-21-78	5.51
02433400	Boguegaba Creek	Lat 34°05'17", long 88°28'45", in NE¼ sec.32, T.11 S., R.8 E., Chickasaw Meridian, Monroe County, on county road, 2.1 mi (3.4 km) south of Carolina, Miss.	21.5	1972, 1975-76 1978	10-21-78	2.23

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

Discharge measurements made in Tennessee-Tombigbee Study Area, Mississippi, during water 1979--Continued

Station no.	Stream	Location	Drainage area (mi ²)	Measured previously (water years)	Measurements Date	Discharge (ft ³ /s)
Mobile River basin--Continued						
02433490	Standifer Creek	Lat 34°02'06", long 88°27'57", in SE¼ sec.16, T.12 S., R.8 E., Chickasaw Meridian, Monroe County, on county road, 3.3 mi (5.3 km) north of Amory, Miss.	23.6	1975 1978	10-13-78	0.02
Tennessee River basin						
03592546	Rutledge Branch	Lat 34°43'11", long 88°13'50", in NE¼ sec.22, T.4 S., R.10 E., Chickasaw Meridian, Tishomingo County, on county road, 0.9 mi (1.4 km) south southwest of Midway, Miss.	1.05	1972, 1975-78	10-10-78	.24
03592550	Cripple Deer Creek	Lat 34°41'54", long 88°13'14", in SW¼ sec.26, T.4 S., R.10 E., Chickasaw Meridian, Tishomingo County, on State Highway 25, 4.2 mi (6.8 km) north of Tishomingo, Miss.	11.1	1953-57, 1959-60, 1972, 1974-78	10-11-78	.36
03592554	Trigger Branch	Lat 34°39'19", long 88°12'30", in SE¼ sec.11, T.5 S., R.10 E., Chickasaw Meridian, Tishomingo County, on county road, 1.9 mi (3.1 km) northeast of Tishomingo, Miss.	--	1974-78	10-10-78	.60
03592559	Little Cripple Deer Creek	Lat 34°46'22", long 88°13'04", in SW¼ sec.11, T.3 S., R.10 E., Chickasaw Meridian, Tishomingo County, on State Highway 25, 3.0 mi (4.8 km) southwest of Iuka, Miss.	.60	1972, 1974, 1976-78	10- 9-78	0
03592560	Cripple Deer Creek tributary	Lat 34°46'25", long 88°13'01", in center of sec.35, T.3 S., R.10 E., Chickasaw Meridian, Tishomingo County, on State Highway 25, 2.9 mi (4.7 km) southwest of Iuka, Miss.	.82	1972, 1974, 1976-78	10- 9-78	.02
03592561	Little Cripple Deer Creek tributary	Lat 34°46'08", long 88°13'05", in S¼ sec.35, T.3 S., R.10 E., Chickasaw Meridian, Tishomingo County, on State Highway 25, 3.3 mi (5.3 km) southwest of Iuka, Miss.	.89	1972, 1974-78	10- 9-78	.03
03592563	Little Cripple Deer Creek	Lat 34°44'03", long 88°11'43", in NE¼ sec.13, T.4 S., R.10 E., Chickasaw Meridian, Tishomingo County, on county road, 1.7 mi (2.7 km) east of Midway, Miss.	7.17	1972, 1974-78	10- 9-78	<.01
03592565	Moore Branch	Lat 34°44'01", long 88°11'49", in NE¼ sec.13, T.4 S., R.10 E., Chickasaw Meridian, Tishomingo County, on county road, 1.6 mi (2.6 km) east of Midway, Miss.	3.51	1972, 1974-78	10- 9-78	0.14
03592647	Yellow Creek	Lat 34°43'35", long 88°20'28", in S¼ sec.15, T.4 S., R.9 E., Chickasaw Meridian, Prentiss County, on State Highway 364, 0.4 mi (0.6 km) east of Cairo, Miss.	7.69	1972, 1975-78	10-9-78	0
03592652	Clausel Creek	Lat 34°44'06", long 88°21'04", in NE¼ sec.16, T.4 S., R.9 E., Chickasaw Meridian, Prentiss County, on State Highway 365, 0.6 mi (1.0 km) north northwest of Cairo, Miss.	2.59	1972, 1975-78	10- 9-78	0
03592654	Clausel Creek tributary	Lat 34°44'10", long 88°21'06", in NE¼ sec.16, T.4 S., R.9 E., Chickasaw Meridian, Prentiss County, on State Highway 365, 0.7 mi (1.1 km) north northwest of Cairo, Miss.	2.54	1972, 1975, 1977-78	10- 9-78	0

Discharge measurements made in Tennessee-Tombigbee Study Area, Mississippi, during water 1979--Continued

Station no.	Stream	Location	Drainage area (mi ²)	Measured previously (water years)	Measurements Date	Discharge (ft ³ /s)
Tennessee River basin--Continued						
03592656	Clausel Creek tributary	Lat 34°44'22", long 88°21'12", in N½ sec.16, T.4 S., R.9 E., Chickasaw Meridian, Prentiss County, on State Highway 365, 0.9 mi (1.4 km) northwest of Cairo, Miss.	.30	1972, 1974-78	10- 9-78	0
03592662	Tributary of Yellow Creek tributary No. 2	Lat 34°44'22", long 88°18'16", in N½ sec.13, T.4 S., R.9 E., Chick- asaw Meridian, Tishomingo County, on county road, 0.6 mi (1.0 km) north of Holcut, Miss.	.95	1972, 1975, 1977-78	10-10-78	0
03592663	Yellow Creek tributary	Lat 34°44'16", long 88°18'16", in N½ sec.13, T.4 S., R.9 E., Chickasaw Meridian, Tishomingo County, on county road 0.4 mi (0.6 km) north of Holcut, Miss.	.57	1972, 1974-78	10-11-78	.05
03592668	Pigeon Roost Branch	Lat 34°45'13", long 88°21'08", in NE¼ sec.9, T.4 S., R.9 E., Chickasaw Meridian, Prentiss County, on State Highway 365, 1.5 mi (2.4 km) southwest of Holts Spur, Miss.	1.15	1972, 1975-78	10- 9-78	0
03592670	Berea Creek	Lat 34°47'15", long 88°19'50", in S½ sec.26-27, T.3 S., R.9 E., Chickasaw Meridian, Tishomingo County, on State Highway 365, 1.2 mi (1.9 km) north of Holts Spur, Miss.	8.60	1972, 1974-78	10- 9-78	0
03592710	Little Yellow Creek	Lat 34°49'07", long 88°16'55", in SE¼ sec.18, T.3 S., R.9 E., Chickasaw Meridian, Tishomingo County, on U.S. Highway 72, 2.7 mi (2.7 km) southwest of Burnsville, Miss.	11.9	1972, 1974-75, 1977-78	10- 9-78	2.79

ANALYSES OF SAMPLES COLLECTED DURING STUDIES AT SHORT-TERM WATER-QUALITY STATIONS

Short-term water-quality stations are sites established on selected stream reaches and estuaries to collect water-quality data systematically over a 24- to 72-hour period for use in hydrologic analysis. These data are collected during intensive water-quality studies generally conducted at lower stream discharge and higher stream temperature. Data for estuary studies generally are collected once or twice daily at near high and near low tides.

JAMES CREEK STUDY NEAR ABERDEEN, MS

02437603 - JAMES CREEK AT RAILROAD BRIDGE NR ABERDEEN, MS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCTI- VANCE (MICHO- MHOS)	PH (UNITS)	TEMPER- ATURE, WATER (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
NOV						
14...	0800	2.4	775	8.1	17.0	3.6
14...	0900	2.4	775	--	17.0	3.9
14...	1000	2.4	775	--	17.5	4.4
14...	1030	2.4	775	8.1	18.0	4.5
14...	1100	2.4	775	--	18.0	4.8
14...	1200	2.4	775	--	18.5	5.8
14...	1230	2.4	775	8.1	18.5	6.4
14...	1300	2.4	780	--	18.5	6.5
14...	1400	2.4	780	--	18.5	7.0
14...	1500	2.4	790	8.1	19.0	7.2
14...	1600	2.4	790	--	19.0	7.4
14...	1700	2.4	790	--	19.5	7.3
14...	1800	2.4	790	8.6	19.5	6.9
14...	1900	2.4	790	--	19.5	6.7
14...	2000	2.4	785	--	19.5	6.4
14...	2100	2.4	785	8.8	19.0	5.5
14...	2200	2.4	785	--	19.0	5.2
14...	2300	2.4	790	--	19.0	4.8
14...	2400	2.4	790	--	18.5	4.4
15...	0010	2.4	800	8.8	18.5	4.3
15...	0100	2.4	800	--	18.5	4.0
15...	0200	2.4	800	--	18.5	3.4
15...	0300	2.4	800	8.7	18.0	3.0
15...	0400	2.4	800	--	18.0	3.4
15...	0500	2.4	800	--	18.0	3.7
15...	0600	2.4	800	--	18.0	3.8
15...	0700	2.4	800	--	17.5	3.8
15...	0730	2.4	810	8.5	17.5	4.0
15...	0800	2.4	810	--	17.5	4.2
15...	0900	2.4	810	--	18.0	4.4
15...	0930	2.4	810	8.5	18.0	4.5
15...	1000	2.4	820	--	18.0	4.8
15...	1100	2.4	830	--	18.5	5.6
15...	1200	2.4	840	8.5	19.0	6.5
15...	1300	2.4	840	--	19.5	6.7
15...	1400	2.4	840	--	20.0	7.2
15...	1500	2.4	840	8.5	20.0	7.0
15...	1600	2.4	840	--	20.0	7.2
15...	1700	2.4	840	--	20.5	6.9
15...	1800	2.4	850	8.8	20.5	6.3
15...	1900	2.4	850	--	20.5	5.8
15...	2000	2.4	850	--	20.5	5.3
15...	2100	2.4	850	8.8	20.0	4.8
15...	2200	2.4	850	--	20.0	4.4
15...	2300	2.4	850	--	20.0	4.1
15...	2400	2.4	850	--	20.0	3.7
16...	0010	2.4	850	8.5	20.0	3.6
16...	0100	2.4	850	--	19.5	3.6
16...	0200	2.4	850	--	19.5	3.3
16...	0245	2.4	850	8.5	19.5	3.1
16...	0300	2.4	850	--	19.5	3.3
16...	0400	2.4	850	--	19.5	3.2
16...	0500	2.4	850	--	19.0	3.2
16...	0600	2.4	860	--	19.0	3.1
16...	0630	2.4	860	8.3	19.0	3.2
16...	0700	2.4	860	--	19.0	3.2
16...	0800	2.4	860	--	19.0	3.2
16...	0900	2.4	860	8.3	19.0	3.2
16...	1000	2.4	860	--	19.5	3.8
16...	1100	2.4	870	--	20.0	4.7
16...	1200	2.4	870	8.4	20.5	5.2
16...	1300	2.4	870	--	21.5	6.3
16...	1400	2.4	870	--	22.0	7.3
16...	1500	2.4	870	8.4	22.0	7.6
16...	1600	2.4	870	8.4	22.5	7.8
16...	1700	2.4	870	--	22.5	7.3
16...	1800	2.4	870	8.8	22.5	6.7
16...	1900	2.4	870	--	22.5	5.6
16...	2000	2.4	870	--	22.0	4.8
16...	2100	2.4	870	8.8	22.0	4.4
16...	2200	2.4	880	--	22.0	3.6
16...	2300	2.4	890	--	21.5	3.2
16...	2330	2.4	880	8.5	21.0	2.9

JAMES CREEK STUDY NEAR ABERDEEN, MS--Continued

02437603 - JAMES CREEK AT RAILROAD BRIDGE NR ABERDEEN, MS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEM 5 DAY (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GFN, NO2+NO3 TOTAL (MG/L AS N)
NOV								
14...	0800	21	5.6	K50	300	.09	.02	.11
14...	1230	25	5.4	K100	760	.10	.02	.12
14...	1800	21	6.8	K31	700	.10	.03	.13
15...	0010	25	6.3	320	250	.13	.03	.16
15...	0730	28	5.4	420	150	.18	.04	.22
15...	1200	31	4.8	520	140	.13	.05	.18
15...	1800	24	5.0	440	K81	.19	.07	.26
16...	0010	21	4.8	220	K46	.11	.09	.20
16...	0630	20	5.2	200	120	.06	.12	.18
16...	1200	26	5.4	140	K23	.05	.13	.18
16...	1800	19	4.7	140	K35	.02	.09	.11
16...	2330	29	7.6	100	>500	.02	.04	.06

DATE	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, AN- ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHURUS, TOTAL (MG/L AS P)	PHOS- ORTHOPH TOTAL (MG/L AS P)
NOV							
14...	.12	.73	.85	.96	4.3	.230	.13
14...	.15	.75	.90	1.0	4.5	.240	.15
14...	.15	.73	.88	1.0	4.5	.230	.14
15...	.16	.77	.93	1.1	4.6	.220	.14
15...	.25	2.1	2.3	2.5	11	.230	.18
15...	.26	.70	.96	1.1	5.0	.230	.18
15...	.24	.65	.89	1.2	5.1	.210	.16
16...	.23	.53	.76	.96	4.3	.230	.15
16...	.27	2.9	3.2	3.4	15	.220	.14
16...	.23	.74	.97	1.2	5.1	.240	.16
16...	.16	.67	.83	.94	4.2	.210	.13
16...	.19	.68	.87	.93	4.1	.210	.12

02437604 - JAMES CREEK NR BINFORD, MS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCTI- VITY (MICRO- MHOS)	PH	TEMPER- ATURE, WATER (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
NOV						
15...	0800	3.0	790	7.7	17.0	.8
15...	0900	3.0	790	7.7	18.0	2.0
15...	1315	3.0	800	7.8	19.0	4.0
15...	1530	3.0	800	7.8	18.5	4.5
15...	1820	3.0	800	8.0	18.5	4.1
15...	2115	3.0	800	8.0	18.5	4.1
16...	0040	3.0	800	8.0	19.0	3.2
16...	0305	3.0	800	8.0	18.5	2.1
16...	0830	3.0	800	7.9	19.0	.4

ANALYSES OF SAMPLES COLLECTED DURING STUDIES AT SHORT-TERM WATER-QUALITY STATIONS

JAMES CREEK STUDY NEAR ABERDEEN, MS--Continued

02437604 - JAMES CREEK NR BILFORD, MS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEM 5 DAY (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, NITROGEN TOTAL (MG/L AS N)
NOV								
15...	0800	40	9.9	1160000	17000	.04	.03	.07
15...	1315	42	11	200000	15400	.03	.03	.06
15...	1820	39	11	56000	13200	.04	.03	.07
16...	0040	30	8.3	34000	11700	.05	.04	.09
16...	0830	36	9.2	37000	11200	.00	.04	.04

DATE	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	PHOS- PHORUS, ORTHOPH- OSPHATE TOTAL (MG/L AS P)	PHOS- PHORUS, ORTHOPH- OSPHATE TOTAL (MG/L AS P)
NOV							
15...	2.5	1.9	4.4	4.5	20	1.800	1.8
15...	2.9	1.3	4.2	4.3	19	1.800	1.8
15...	2.5	1.7	4.2	4.3	19	1.800	1.8
16...	1.7	2.7	4.4	4.5	20	1.500	1.5
16...	2.2	1.8	4.0	4.0	18	1.800	1.7

02437606 - JAMES CREEK NR EAST ABERDEEN, MS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE, WATER (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
NOV						
14...	0700	3.1	700	7.8	15.5	6.6
14...	0800	3.1	680	--	16.0	6.6
14...	0900	3.1	650	7.8	17.0	6.9
14...	1000	3.1	670	--	18.0	8.4
14...	1100	3.1	680	--	18.5	9.1
14...	1200	3.1	700	7.7	19.0	10.3
14...	1300	3.1	700	--	19.0	10.5
14...	1400	3.1	720	--	18.5	9.9
14...	1500	3.1	730	--	18.5	10.0
14...	1600	3.1	750	7.9	18.5	9.7
14...	1700	3.1	750	--	18.5	8.6
14...	1800	3.4	750	--	17.5	7.2
14...	1830	3.4	750	7.9	17.0	6.5
14...	1900	3.4	750	--	17.0	6.3
14...	2000	3.4	750	--	17.0	6.4
14...	2100	3.4	750	--	17.0	6.5
14...	2145	3.4	750	8.0	16.5	6.7
14...	2200	3.4	750	--	16.5	6.6
14...	2300	3.4	750	--	16.5	6.6
14...	2400	3.4	750	--	16.5	6.6
15...	0045	3.4	750	7.8	16.0	6.6
15...	0100	3.4	750	--	16.0	6.5
15...	0200	3.4	750	--	16.0	6.5
15...	0300	3.4	750	--	16.0	6.4
15...	0345	3.4	750	7.9	16.0	6.4
15...	0400	3.4	750	--	16.0	6.4
15...	0500	3.4	750	--	15.5	6.4
15...	0600	3.4	750	--	15.5	6.6
15...	0630	3.4	750	7.8	15.5	7.1
15...	0700	3.4	750	--	15.5	7.0
15...	0800	3.4	750	--	16.0	8.3
15...	0900	3.4	750	--	17.0	9.2
15...	1000	3.4	745	--	19.0	9.9
15...	1100	3.4	745	--	20.0	10.0
15...	1200	3.4	740	--	22.0	10.2
15...	1245	3.4	740	8.0	21.0	9.4
15...	1300	3.4	740	--	20.5	9.6
15...	1400	3.4	740	--	20.0	9.5
15...	1500	3.4	740	--	20.0	9.1

JAMES CREEK STUDY NEAR ABERDEEN, MS--Continued

02437606 - JAMES CREEK NR EAST ABERDEEN, MS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE, WATER (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
NOV						
15...	1545	3.4	740	8.0	19.5	8.3
15...	1600	3.4	745	--	19.5	8.2
15...	1700	3.4	745	--	19.0	7.3
15...	1800	3.4	745	--	18.5	6.7
15...	1845	3.4	750	7.9	18.0	6.6
15...	1900	3.4	750	--	18.0	6.7
15...	2000	3.4	750	--	18.0	6.6
15...	2100	3.4	750	--	18.0	6.7
15...	2140	3.4	750	7.9	18.0	6.8
15...	2200	3.4	750	--	18.0	6.7
15...	2300	3.4	750	--	18.0	6.8
15...	2400	3.4	750	--	18.0	6.7
16...	0100	3.4	750	7.9	18.0	6.7
16...	0200	3.4	750	--	18.0	6.6
16...	0300	3.4	750	--	18.0	6.6
16...	0330	3.4	750	8.0	18.0	6.5
16...	0400	3.4	750	--	18.0	6.5
16...	0500	3.4	750	--	18.0	6.4
16...	0600	3.4	750	--	18.0	6.5
16...	0700	3.4	760	--	17.5	6.5
16...	0730	3.4	760	7.8	17.5	6.9
16...	0800	3.4	760	--	18.0	7.3
16...	0900	3.4	760	--	19.0	8.2
16...	0930	3.4	760	7.8	19.5	8.9
16...	1000	3.4	760	--	20.0	9.4
16...	1100	3.4	760	--	22.5	10.3
16...	1200	3.4	760	--	23.5	10.4
16...	1230	3.4	760	8.2	23.5	10.4
16...	1300	3.4	760	--	23.5	10.3
16...	1400	3.4	760	--	23.5	10.0
16...	1500	4.6	500	--	18.0	6.2
16...	1530	5.4	345	6.8	18.5	6.4
16...	1600	5.9	325	--	18.5	6.5
16...	1700	5.1	550	--	19.0	6.3
16...	1800	4.6	640	--	19.5	5.7
16...	1830	4.1	710	7.9	19.5	5.4
16...	1900	4.0	720	--	19.0	5.4
16...	2000	4.0	725	--	19.0	5.1
16...	2100	3.9	725	--	19.0	4.9
16...	2120	3.9	725	7.9	19.0	4.8
16...	2200	3.7	740	--	19.0	5.1
16...	2300	3.7	750	--	19.0	5.0
16...	2350	3.6	770	7.9	19.0	4.9
16...	2400	3.5	765	--	19.0	5.0

ANALYSES OF SAMPLES COLLECTED DURING STUDIES AT SHORT-TERM WATER-QUALITY STATIONS

JAMES CREEK STUDY NEAR ABERDEEN, MS--Continued

02437606 - JAMES CREEK NR EAST ABERDEEN, MS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEM 5 DAY (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCCT FECAL, KF AGAR (COLS. PER 100 ML)	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)
NOV								
14...	0700	55	7.0	2300	700	.01	.01	.02
14...	1200	29	8.3	2000	540	.00	.02	.02
14...	1830	32	10	2700	420	.01	.01	.02
15...	0045	26	9.1	2500	K230	.00	.01	.01
15...	0630	31	8.0	2100	K280	.00	.02	.02
15...	1245	35	7.7	4600	K150	.00	.02	.02
15...	1845	28	8.1	3000	K300	.02	.02	.04
16...	0100	26	5.5	2500	K130	.02	.06	.08
16...	0730	--	5.8	K6800	500	.02	.02	.04
16...	1230	27	5.7	5900	K49	.01	.03	.04
16...	1830	38	6.2	5100	K200	.01	.03	.04
16...	2350	28	8.1	5100	>1000	.01	.03	.04

DATE	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, AN- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, ORTHOPH OSPHATE TOTAL (MG/L AS P)	PHOS- PHORUS, ORTHOPH OSPHATE TOTAL (MG/L AS P)
NOV							
14...	.43	1.1	1.5	1.5	6.7	.850	.70
14...	.29	1.2	1.5	1.5	6.7	1.700	1.7
14...	.40	1.8	1.8	1.8	8.1	1.000	.75
15...	.44	1.3	1.7	1.7	7.6	.970	.80
15...	.45	1.2	1.6	1.6	7.2	1.100	.99
15...	.39	1.3	1.7	1.7	7.6	.930	.79
15...	.51	1.4	1.9	1.9	8.6	.950	.81
16...	.60	.90	1.5	1.6	7.0	.970	.87
16...	.93	.87	1.8	1.8	8.1	1.200	1.1
16...	.89	1.2	2.1	2.1	9.5	1.200	.97
16...	1.2	.60	1.8	1.8	8.1	.650	.41
16...	1.4	1.2	2.6	2.6	12	.900	.77

JAMES CREEK STUDY NEAR ABERDEEN, MS--Continued

02437606 - JAMES CREEK NP EAST ABERDEEN, MS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	COLOR (PLAT- INUM COBALT UNITS)	TUR- RID- ITY (NTU)	HARD- NESS (MG/L AS CACO3)	NESS, NONCAR- BONATE (MG/L AS CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM AD- SORP- TION RATIO	BICAR- BONATE (MG/L AS HCO3)	CAR- BONATE (MG/L AS CO3)	ALKA- LITY (MG/L AS CACO3)	
NOV 16...	1230	100	6.0	81	0	25	4.5	130	6.3	240	0	20	
DATE		CARRON DIOXIDE DIS- SOLVED (MG/L AS CO2)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT) DAY)	SOLIDS, DIS- SOLVED (TONS PER DAY)	ARSENIC TOTAL IN BOT- TOM MA- TERIAL (UG/L AS AS)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	
NOV 16...	2.4	58	85	.3	11	449	432	.61	4.12	4	0	0	
DATE		CADMIUM RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	CHRO- MIUM, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	COBALT, TOTAL RECOV- ERABLE (UG/L AS CO)	COPALT, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CO)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	CUPPER, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	LEAD, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS PB)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)
NOV 16...	<10	10	<10	0	<10	1	<10	440	4100	10	<10	100	
DATE		MANGA- NESE, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY FM BOT- TOM MA- TERIAL (UG/G AS HG)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI)	NICKEL, FM BOT- TOM MA- TERIAL (UG/G AS NI)	SELE- NIUM, TOTAL RECOV- ERABLE (UG/L AS SE)	SELE- NIUM, FM BOT- TOM MA- TERIAL (UG/G)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	ZINC, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS ZN)	CARRON, ORGANIC TOTAL (MG/L AS C)	PHENOLS (UG/L)	OIL AND GREASE, TOTAL RECOV- ERABLE GRAVI- METRIC (MG/L)
NOV 16...	130	<.5	.00	0	<10	0	0	10	<10	11	0	0	

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	PCP, 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)	DDP, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- AZINON, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DT- ELDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)		
NOV 16...	1230	0	.0	0	.0	.0	.0	.0		
DATE		ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	FTHION, 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)	MALA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	METH- OXY- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	METHYL PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	METHYL TRI- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
NOV 16...	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
DATE		PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	TOXA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	THI- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	2,4-D, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	2,4-D, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	2,4,5-T TOTAL IN BOT- TOM MA- TERIAL (UG/L)	2,4,5-T TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	SILVEX, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	SILVEX, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
NOV 16...	.0	0	.0	.37	0	.00	0	.00	.00	.00

ANALYSES OF SAMPLES COLLECTED DURING STUDIES AT SHORT-TERM WATER-QUALITY STATIONS

TIBBEE, TOWN, AND CATALPA CREEKS STUDY NEAR TIBBEE, MS

02441000 - TIBBEE CREEK NR TIBBEE, MS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	STREAM- INSTAN- TANECUS (CFS)	SPF- CIFIC CON- DUCTI- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE, WATER (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
JUN						
18...	1830	75	280	7.8	26.0	7.8
18...	1900	75	280	--	26.0	7.8
18...	2000	75	280	--	26.0	7.7
18...	2100	75	280	--	26.0	7.7
18...	2200	75	280	--	25.5	7.6
18...	2300	74	280	--	25.5	7.4
18...	2400	74	280	--	25.5	7.4
19...	0100	74	280	--	25.5	7.3
19...	0200	74	280	--	25.5	7.0
19...	0300	74	280	--	25.0	6.9
19...	0400	73	280	--	25.0	6.7
19...	0500	73	280	--	25.0	6.6
19...	0600	73	280	--	25.5	6.4
19...	0700	73	280	--	25.5	6.3
19...	0715	73	280	7.7	25.5	6.2
19...	0800	73	280	--	25.5	6.2
19...	0900	73	260	--	25.5	6.2
19...	0920	73	260	7.7	26.0	6.2
19...	1000	73	260	--	26.0	6.3
19...	1100	72	260	--	26.5	6.3
19...	1200	71	260	--	27.0	6.5
19...	1245	70	260	7.7	27.0	6.5
19...	1300	70	260	--	27.0	6.7
19...	1400	70	260	--	27.5	6.8
19...	1500	70	260	7.6	27.5	7.0
19...	1600	70	270	--	27.5	7.2
19...	1700	70	270	--	27.0	7.2
19...	1800	70	270	--	27.0	7.3
19...	1845	70	280	7.6	26.5	7.3
19...	1900	70	280	--	26.5	7.3
19...	2000	69	280	--	26.5	7.3
19...	2100	69	280	7.6	26.5	7.1
19...	2200	69	280	--	26.5	7.0
19...	2300	69	280	--	26.5	6.9
19...	2400	69	280	--	26.0	6.8
20...	0020	69	280	7.5	26.0	6.8
20...	0100	69	280	--	26.0	6.7
20...	0200	69	280	--	26.0	6.6
20...	0300	68	285	--	26.0	6.6
20...	0315	68	285	7.5	26.0	6.6
20...	0400	68	285	--	26.0	6.5
20...	0500	68	280	--	26.0	6.5
20...	0600	67	270	--	26.0	6.5
20...	0700	67	260	--	26.0	6.6
20...	0715	67	260	7.5	26.0	6.5
20...	0800	67	260	--	26.0	6.6
20...	0900	66	260	--	26.0	6.5
20...	0930	66	260	7.6	26.5	6.5
20...	1000	66	260	--	26.5	6.5
20...	1100	66	260	--	26.5	6.6
20...	1200	65	270	--	27.5	6.8
20...	1235	65	270	7.8	27.5	6.8
20...	1300	65	270	--	28.0	6.9
20...	1400	65	260	--	28.0	7.4
20...	1500	65	260	--	28.5	7.4
20...	1515	65	260	7.8	28.5	7.5
20...	1600	65	260	--	28.0	7.6
20...	1700	65	270	--	28.0	7.6
20...	1800	65	280	--	28.0	7.6
20...	1845	65	280	7.6	28.0	7.6
20...	1900	65	280	--	27.5	7.5
20...	2000	65	280	--	27.0	7.4
20...	2100	65	280	7.6	27.0	7.5
20...	2200	64	280	--	27.0	7.4
20...	2300	64	280	--	27.0	7.2
20...	2400	63	280	--	27.0	7.2
21...	0020	63	280	7.5	27.0	7.2
21...	0100	63	280	--	26.5	7.0
21...	0200	62	280	--	26.5	6.9
21...	0300	61	280	--	26.5	6.9
21...	0315	61	280	7.5	26.5	7.0
21...	0400	61	270	--	26.0	6.6
21...	0500	61	270	--	26.0	6.4
21...	0600	60	270	--	26.0	6.4
21...	0700	60	270	--	26.0	6.2
21...	0715	60	270	7.4	26.0	6.0
21...	0800	60	270	--	26.0	6.0
21...	0900	59	270	--	26.0	6.0

TIBBEE, TOWN, AND CATALPA CREEKS STUDY NEAR TIBBEE, MS--Continued

02441000 - TIBBEE CREEK NR TIBBEE, MS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

		STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCTI- VANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE, WATER (DEG C)	OXYGEN, DIS- SOLVED (MG/L)		
JUN								
21...	0915	58	270	7.5	26.0	6.0		
21...	1000	58	270	--	26.0	5.9		
21...	1100	58	270	--	26.0	5.9		
21...	1130	58	270	7.6	26.0	5.8		
21...	1200	58	270	--	26.0	5.8		
21...	1300	58	270	--	26.0	5.9		
21...	1400	58	270	--	26.0	6.0		
21...	1500	58	270	--	26.0	6.0		
21...	1520	58	270	7.5	26.0	6.2		
21...	1600	58	270	--	26.5	6.3		
21...	1700	58	280	--	26.5	6.4		
21...	1800	59	280	--	26.5	6.4		
21...	1845	59	280	7.6	26.5	6.4		
21...	1900	59	280	--	26.5	6.4		
21...	2000	59	280	--	26.5	6.3		
21...	2100	59	280	7.6	26.0	6.2		
21...	2200	58	280	--	26.0	6.2		
21...	2300	58	280	--	26.0	6.2		
21...	2400	57	280	--	26.0	6.1		
22...	0020	57	280	7.6	26.0	6.3		
22...	0100	57	280	--	26.0	6.1		
22...	0200	56	280	--	26.0	6.0		
22...	0300	56	280	--	25.5	6.0		
22...	0400	55	270	--	25.0	6.0		
22...	0500	54	270	--	25.0	6.0		
22...	0600	54	270	--	25.0	6.0		
22...	0700	53	270	--	25.0	5.9		
22...	0800	53	270	--	25.0	5.8		
22...	0900	52	270	--	25.0	5.8		
22...	0920	52	270	7.5	25.0	5.8		
DATE	TIME	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVFL) (MG/L)	OXYGEN DEMAND, RICHEN 5 DAY (MG/L)	COLI- FORM, FECAL, 0.7 UM-KF (COLLS./ 100 ML)	STREP- TOCICCI FECAL, KF AGAR (COLS. PER 100 ML)	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)
JUN								
19...	0715	18	1.2	140	210	.10	.03	.13
19...	1245	17	1.8	K62	130	.20	.02	.22
19...	1845	20	1.9	K27	120	1.7	.03	1.7
20...	0020	22	1.4	K58	180	.23	.02	.25
20...	0715	14	1.3	130	300	.22	.02	.24
20...	1235	19	1.4	K46	160	.12	.02	.14
20...	1845	21	1.6	K31	160	.17	.02	.19
21...	0020	28	1.3	K42	220	.17	.02	.19
21...	0715	17	1.4	100	340	.17	.02	.19
21...	1130	22	1.5	K38	320	.09	.02	.11
21...	1845	13	1.9	K100	380	.16	.01	.17
22...	0020	12	1.2	K77	250	.14	.01	.15
DATE	TIME	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS NH4)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, ORTHOPH SPHATE TOTAL (MG/L AS P)
JUN								
19...	.07	.08	.39	.46	.59	2.6	.110	.08
19...	.06	.07	.41	.47	.69	3.1	.110	.08
19...	.08	.10	.51	.59	2.3	10	.120	.08
20...	.05	.06	.53	.58	.83	3.7	.110	.09
20...	.06	.07	.39	.45	.69	3.1	.120	.09
20...	.06	.07	.34	.40	.54	2.4	.140	.06
20...	.05	.06	.36	.41	.60	2.7	.120	.09
21...	.05	.06	.35	.40	.59	2.6	.100	.10
21...	.06	.07	.53	.54	.78	3.5	.100	.08
21...	.07	.08	.47	.54	.65	2.9	.100	.04
21...	.06	.07	.29	.35	.52	2.3	.120	.06
22...	.04	.05	.49	.53	.68	3.0	.090	.05

ANALYSES OF SAMPLES COLLECTED DURING STUDIES AT SHORT-TERM WATER-QUALITY STATIONS

TIBBEE, TOWN, AND CATALPA CREEKS STUDY NEAR TIBBEE, MS--Continued

02441000 - TIBBEE CREEK NR TIBBEE, MS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

		COLOR (PLAT- TAUM COBALT UNITS)	TUR- BID- ITY (NTU)	HARD- NESS (MG/L AS CAC03)	HARD- NESS, MURKAR- BONATE (MG/L CAL03)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM AD- SORP- TION RATIO	BICAR- BONATE (MG/L AS HC03)	CAR- BONATE (MG/L AS CO3)	ALKA- LINITY (MG/L AS CAC03)	
JUN 21...	1130	15	35	120	18	43	2.1	5.1	.2	120	0	98	
		CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT DAY)	ARSENIC TOTAL IN BOT- TOM MA- TERIAL (UG/L AS AS)	ARSENIC TOTAL TERIAL (UG/G AS AS)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	
JUN 21...	4.8	13	6.2	.1	6.6	154	135	.21	24.1	3	0	4	
		CADMIUM RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	CHRO- MIUM, TOTAL RECOV- FM BOT- TOM MA- TERIAL (UG/G)	COBALT, TOTAL RECOV- ERABLE (UG/L AS CO)	COBALT, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CO)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	COPPER, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PR)	LEAD, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS PB)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)
JUN 21...	<10	20	<10	0	<10	6	<10	1600	2600	5	<10	100	
		MANGA- NESE, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY RECOV. FM BOT- TOM MA- TERIAL (UG/G AS HG)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI)	NICKEL, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS NI)	SELE- NIUM, TOTAL RECOV- ERABLE (UG/L AS SE)	SELE- NIUM, IN BOT- TOM MA- TERIAL (UG/G)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	ZINC, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	PHENOLS TOTAL (UG/L)	OIL AND GREASE, TOTAL RECOV- ERABLE (MG/L)
JUN 21...	150	<.5	.09	22	<10	0	0	20	10	5.1	0	0	

TIBBEE, TOWN, AND CATALPA CREEKS STUDY NEAR TIBBEE, MS--Continued

02441000 - TIBBEE CREEK NR TIBBEE, MS.

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	PCB, TOTAL (UG/L)	PCR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L)	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDD, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	DDE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)		
JUN 21...	1130	.0	0	.00	.00	.0	.0	0	.00	.0	.00

DATE	DDE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- AZINON, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	DI- AZINON, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- ELDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	DI- ELDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDO- SULFAN, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
JUN 21...	.7	.00	.0	.01	.0	.00	.0	.00	.00	.0

DATE	ETHION, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	ETHION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR EPOXIDE TOT. IN BOTTOM MAIL. (UG/L)	HEPTA- CHLOR EPOXIDE TOT. IN BOTTOM MAIL. (UG/KG)	LINDANE TOTAL (UG/L)	LINDANE TOTAL (UG/KG)	MALA- THION, TOTAL (UG/L)	MALA- THION, TOTAL (UG/KG)
JUN 21...	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0

DATE	METH- OXY- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	METH- OXY- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	METHYL THION, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	METHYL THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	METHYL THION, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	METHYL THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	MIREX, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	MIREX, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	PER- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/L)
JUN 21...	.00	.0	.00	.0	.00	.0	.00	.00	.0	.00

DATE	TOX- PHENE, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	TOX- PHENE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	TRI- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	TRI- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	2,4-D, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	2,4-D, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	2,4,5-T TOTAL IN BOT- TOM MA- TERIAL (UG/L)	2,4,5-T TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	SILVEX, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	SILVEX, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
JUN 21...	0	0	.00	.0	.00	0	.00	0	.00	.0

ANALYSES OF SAMPLES COLLECTED DURING STUDIES AT SHORT-TERM WATER-QUALITY STATIONS

TIBBEE, TOWN, AND CATALPA CREEKS STUDY NEAR TIBBEE, MS--Continued

02441025 - TIBBEE CREEK AT WEST POINT, MS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

		STREAM- FLOW, INSTANTANEOUS (CFS)	SPF- CIFIC CON- DUCTANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE, WATER (DEG C)	OXYGEN, DIS- SOLVED (MG/L)		
DATE	TIME							
JUN								
19...	0630	5.9	1400	7.6	25.0	5.1		
19...	0905	5.1	1500	7.7	27.0	7.1		
19...	1215	5.4	1400	7.9	31.5	8.0		
19...	1445	5.4	1500	8.2	34.5	9.0		
19...	1820	5.6	1550	7.7	28.0	7.2		
19...	2045	5.7	1600	7.5	25.5	4.5		
20...	0105	5.9	1600	7.4	23.5	5.1		
20...	0300	5.9	1550	7.4	23.0	4.7		
20...	0645	5.6	1420	7.5	26.0	4.8		
20...	0900	5.6	1490	7.6	28.0	7.1		
20...	1215	5.0	1380	7.9	31.5	8.1		
20...	1500	5.4	1400	7.9	34.0	9.9		
20...	1815	5.7	1500	7.8	27.5	8.0		
20...	2045	5.7	1550	7.5	25.0	4.9		
21...	0005	5.9	1550	7.4	23.5	4.4		
21...	0300	5.9	1550	7.4	23.0	4.3		
21...	0650	5.7	1450	7.4	26.0	4.6		
21...	0900	5.4	1450	7.5	27.0	5.6		
21...	1030	5.3	1500	7.6	26.5	4.5		
21...	1500	5.9	1400	7.6	27.0	8.8		
21...	1815	6.0	1500	7.6	26.0	9.4		
21...	2045	6.0	1500	7.4	24.0	5.3		
22...	0005	6.0	1500	7.4	23.0	4.6		
DATE	TIME	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCUCCI KF AGAR (CCLS. PER 100 ML)	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)
JUN								
19...	0630	65	16	52000	7000	50	4.0	54
19...	1215	70	16	25000	910	49	4.1	53
19...	1820	68	14	15000	700	53	3.1	56
20...	0005	70	13	15000	1200	57	2.0	59
20...	0645	61	13	25000	4200	30	.22	30
20...	1215	68	15	30000	510	45	.68	46
20...	1815	73	12	5200	460	53	1.3	54
21...	0650	58	12	27000	2200	44	3.9	48
21...	1030	65	15	30000	1000	49	2.4	51
21...	1815	67	14	20000	820	49	1.8	51
22...	0005	59	14	60000	4100	42	4.7	47
DATE	TIME	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS NH4)	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)	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, ORTHOPH- OSPHATE TOTAL (MG/L AS P)
JUN								
19...	.62	.75	8.3	8.9	63	280	13.000	13
19...	2.2	2.7	2.9	5.1	58	260	19.000	5.6
19...	1.1	1.3	2.7	3.8	60	260	13.000	5.0
20...	1.0	1.2	2.9	3.9	63	280	14.000	13
20...	.41	.50	3.2	3.6	34	150	13.000	13
20...	.48	.58	4.4	4.9	51	230	12.000	12
20...	.98	1.2	2.7	3.7	58	260	13.000	5.3
21...	6.5	7.9	2.0	8.5	55	250	14.000	14
21...	2.5	3.0	5.2	7.7	59	260	13.000	13
21...	2.5	3.0	2.4	4.9	56	250	14.000	13
22...	6.0	7.3	2.6	8.6	56	250	13.000	12

TIBBEE, TOWN, AND CATALPA CREEKS STUDY NEAR TIBBEE, MS--Continued

02441320 - CATALPA CREEK NR TIBBEE, MS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCTI- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE, WATER (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
JUN						
18...	2015	3.3	400	8.3	26.5	7.0
18...	2100	3.3	400	--	26.0	6.4
18...	2200	3.3	430	--	26.0	6.2
18...	2300	3.4	430	--	26.0	6.2
18...	2400	3.4	430	--	25.5	6.2
19...	0100	3.4	440	--	25.5	6.2
19...	0200	3.5	440	--	25.0	6.1
19...	0300	3.5	450	--	24.5	6.1
19...	0400	3.5	450	--	24.0	6.1
19...	0500	3.6	450	--	24.0	6.2
19...	0600	3.6	450	--	23.5	6.6
19...	0700	3.6	450	--	23.0	6.7
19...	0745	3.6	460	8.3	23.0	6.8
19...	0800	3.6	460	--	23.0	7.0
19...	0900	3.7	460	--	23.5	7.0
19...	0945	3.7	460	8.2	23.5	7.2
19...	1000	3.6	460	--	24.0	7.3
19...	1100	3.5	460	--	25.0	7.6
19...	1200	3.4	460	--	26.0	7.8
19...	1300	3.4	460	--	26.5	7.8
19...	1315	3.3	460	8.2	26.5	7.6
19...	1400	3.3	460	--	26.5	7.9
19...	1500	3.3	460	--	26.5	7.9
19...	1530	3.3	470	8.2	27.0	7.5
19...	1600	3.3	470	--	27.0	7.5
19...	1700	3.3	480	--	27.5	7.4
19...	1800	3.2	480	--	27.5	7.0
19...	1900	3.2	480	--	28.0	6.8
19...	1915	3.2	490	8.1	28.0	6.6
19...	2000	3.2	490	--	27.5	6.6
19...	2100	3.1	490	--	27.0	6.4
19...	2115	3.1	490	8.1	27.0	6.4
19...	2200	3.1	490	--	26.5	6.4
19...	2300	3.2	490	--	26.5	6.4
19...	2400	3.3	500	--	26.5	6.4
20...	0040	3.4	500	8.1	26.0	6.4
20...	0100	3.4	500	--	26.0	6.3
20...	0200	3.5	500	--	25.5	6.4
20...	0300	3.7	500	--	25.0	6.4
20...	0330	3.7	500	8.1	25.5	6.4
20...	0400	3.7	500	--	25.0	6.4
20...	0500	3.7	490	--	24.5	6.4
20...	0600	3.6	480	--	24.5	6.6
20...	0700	3.6	480	--	24.0	7.0
20...	0745	3.6	470	8.3	24.0	7.0
20...	0800	3.6	470	--	24.0	7.0
20...	0900	3.5	480	--	24.5	7.3
20...	0950	3.4	480	8.3	25.0	7.4
20...	1000	3.4	480	--	25.0	7.6
20...	1100	3.3	480	--	25.5	7.8
20...	1200	3.2	480	--	25.5	8.2
20...	1255	3.2	470	8.3	26.5	8.3
20...	1300	3.2	470	--	26.5	8.4
20...	1400	3.1	480	--	27.0	8.7
20...	1500	3.1	480	--	27.0	8.8
20...	1530	3.1	480	8.2	27.0	8.5
20...	1600	3.1	480	--	27.0	8.5
20...	1700	3.1	490	--	27.5	8.2
20...	1800	3.1	490	--	27.5	8.0
20...	1900	3.1	500	--	27.5	7.6
20...	1915	3.1	500	8.1	27.5	7.6
20...	2000	3.1	500	--	27.5	7.6
20...	2100	3.1	500	--	27.0	7.4
20...	2115	3.1	500	8.1	27.0	7.3
20...	2200	3.1	500	--	27.0	7.0
20...	2300	3.1	500	--	27.0	7.0
20...	2400	3.2	500	--	27.0	6.8
21...	0040	3.2	500	8.1	26.5	6.8
21...	0100	3.2	500	--	26.5	6.8
21...	0200	3.3	500	--	26.0	7.0
21...	0300	3.4	500	--	25.0	6.9
21...	0330	3.6	500	8.1	25.0	6.9
21...	0400	3.6	500	--	25.0	6.9
21...	0500	3.5	500	--	24.5	6.9
21...	0600	3.4	500	--	24.5	7.0
21...	0700	3.4	480	--	24.5	7.0
21...	0745	3.3	480	8.1	24.0	6.9
21...	0800	3.3	480	--	24.0	7.0

ANALYSES OF SAMPLES COLLECTED DURING STUDIES AT SHORT-TERM WATER-QUALITY STATIONS

TIBBEE, TOWN, AND CATALPA CREEKS STUDY NEAR TIBBEE, MS--Continued

02441320 - CATALPA CREEK NW TIBBEE, MS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

		STREAM- FLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (MICRO-MHOS)	PH (UNITS)	TEMPERATURE, WATER (DEG C)	OXYGEN, DISSOLVED (MG/L)		
JUN								
21...	0900	3.2	480	--	24.5	7.1		
21...	0930	3.2	480	8.1	24.5	7.0		
21...	1000	3.2	480	--	24.5	7.2		
21...	1100	3.2	480	--	24.5	7.2		
21...	1200	3.2	480	--	24.5	7.2		
21...	1230	3.2	480	8.1	24.5	7.1		
21...	1300	3.2	480	--	24.5	7.4		
21...	1400	3.2	480	--	25.0	7.8		
21...	1500	3.2	480	--	25.0	7.9		
21...	1545	3.2	480	8.3	25.0	8.1		
21...	1600	3.2	480	--	25.0	8.3		
21...	1700	3.2	480	--	25.5	8.3		
21...	1800	3.2	480	--	25.5	8.1		
21...	1900	3.1	480	--	25.5	7.9		
21...	1915	3.1	500	8.2	25.5	7.9		
21...	2000	3.1	500	--	25.0	7.6		
21...	2100	3.0	500	--	25.0	7.4		
21...	2115	3.0	500	8.1	25.0	7.1		
21...	2200	3.0	500	--	25.0	7.2		
21...	2300	3.0	500	--	25.0	7.0		
21...	2400	3.0	500	--	24.5	7.0		
22...	0040	3.0	500	8.1	24.0	6.8		
22...	0100	3.0	500	--	24.0	6.8		
22...	0200	3.0	490	--	24.0	6.8		
22...	0300	3.0	490	--	23.5	6.8		
22...	0400	3.0	490	--	23.5	6.8		
22...	0500	3.0	480	--	23.0	6.8		
22...	0600	3.0	480	--	23.0	6.9		
22...	0700	3.0	480	--	23.0	6.9		
22...	0800	3.0	480	--	23.0	7.0		
22...	0830	3.0	480	8.1	23.0	7.1		
DATE	TIME	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCCEI FECAL, KF AGAR (COLS. PER 100 ML)	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)
JUN								
19...	0745	14	1.0	200	840	.12	.01	.13
19...	1315	19	1.4	130	410	.06	.02	.08
19...	1915	30	1.4	K81	520	.03	.00	.03
20...	0040	17	.9	200	1200	.04	.01	.05
20...	0745	13	1.0	120	1100	.06	.01	.07
20...	1255	15	1.1	130	470	.05	.01	.06
20...	1915	17	.8	170	680	.11	.00	.11
21...	0040	15	.9	160	1100	.04	.01	.05
21...	0745	16	1.0	110	740	.09	.01	.10
21...	1230	16	1.7	K85	920	.09	.01	.10
21...	1915	11	.6	200	600	.06	.00	.06
22...	0040	12	.8	130	1000	.09	.00	.09
DATE	TIME	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS NH4)	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)	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, ORTHOPHOSPHATE TOTAL (MG/L AS P)
JUN								
19...		.04	.05	.40	.44	.57	2.5	.11
19...		.05	.06	.39	.44	.52	2.3	.08
19...		.03	.04	.35	.38	.41	1.8	.08
20...		.04	.05	.38	.42	.47	2.1	.11
20...		.04	.05	.31	.35	.42	1.9	.07
20...		.04	.05	.36	.40	.46	2.0	.11
20...		.10	.12	.35	.45	.56	2.5	.09
21...		.04	.05	.38	.42	.47	2.1	.11
21...		.04	.05	.40	.44	.54	2.4	.11
21...		.04	.05	.34	.38	.48	2.1	.08
21...		.03	.04	.33	.36	.42	1.9	.09
22...		.04	.05	.61	.65	.74	3.3	.11

TIBBEE, TOWN, AND CATALPA CREEKS STUDY NEAR TIBBEE, MS--Continued

02441320 - CATALPA CREEK NR TIBBEE, MS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	COLOR (PLAT- INUM COBALT UNITS)	TUR- BID- ITY (NTU)	HARD- NESS (MG/L AS CACO3)	HARD- NESS, NONCAR- BONATE (MG/L CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM AD- SORP- TION RATIO	BICAR- BONATE (MG/L AS HCO3)	CAR- BONATE (MG/L AS CO3)	ALKA- LITY (MG/L AS CACO3)	
JUN 21...	1230	5	4.0	190	4	74	1.8	25	.8	230	0	190	
DATE		CARRON 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 CONSTITU- ENTS, DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)	SOLIDS, DIS- SOLVED (TONS PER DAY)	ARSENIC TOTAL IN BOT- TOM MA- TERIAL (UG/L AS AS)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	
JUN 21...	2.9	28	20	.2	4.1	283	266	.38	2.45	5	0	1	
DATE		CADMIUM RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	CHRO- MIUM, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	COBALT, TOTAL RECOV- ERABLE (UG/L AS CO)	COPPER, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CU)	COPPER, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	LEAD, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS PB)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	
JUN 21...	<10	30	<10	0	10	5	<10	300	7600	4	10	20	
DATE		MANGA- NESE, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY RECOV. FM BOT- TOM MA- TERIAL (UG/G)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI)	NICKEL, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS NI)	SELE- NIUM, TOTAL RECOV- ERABLE (UG/L AS SE)	SELE- NIUM, TOTAL RECOV- ERABLE (UG/L AS SE)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	ZINC, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	PHENOLS (UG/L)	OIL AND GREASE, TOTAL RECOV- ERABLE GRAVI- METRIC (MG/L)
JUN 21...	720	<.5	.18	21	10	0	0	20	20	11	0	1	

ANALYSES OF SAMPLES COLLECTED DURING STUDIES AT SHORT-TERM WATER-QUALITY STATIONS

TIBBEE, TOWN, AND CATALPA CREEKS STUDY NEAR TIBBEE, MS--Continued

02441320 - CATALPA CREEK NR TIBBEE, MS.

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	NAPH- THA- LENES, POLY- CHLOR, TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	CHLOR- DANE, TOTAL (UG/L)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDE, TOTAL (UG/L)
JUN 21...	1230	.0	0	.00	.00	.0	.0	0	.00	.0	.00

DATE	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- AZINON, TOTAL (UG/L)	DI- AZINON, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- ELDRIN, TOTAL (UG/L)	DI- ELDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDO- SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
JUN 21...	.0	.00	.0	.01	.5	.00	.0	.00	.00	.0

DATE	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR, TOTAL (UG/L)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR, TOTAL EPOXIDE (UG/L)	HEPTA- CHLOR, TOTAL EPOXIDE IN BOT- TOM MA- TERIAL (UG/KG)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	MALA- THION, TOTAL (UG/L)	MALA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
JUN 21...	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0

DATE	METH- CHLOR, TOTAL (UG/L)	METH- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	METHYL PARA- THION, TOTAL (UG/L)	METHYL PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	METHYL TRI- THION, TOTAL (UG/L)	METHYL TRI- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	MIREX, TOTAL (UG/L)	PARA- THION, TOTAL (UG/L)	PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	PER- THANE TOTAL (UG/L)
JUN 21...	.00	.0	.00	.0	.00	.0	.00	.00	.0	.00

DATE	TOX- PHENE, TOTAL (UG/L)	TOX- PHENE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	TRI- THION, TOTAL (UG/L)	TRI- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2,4-D, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	2,4,5-T TOTAL (UG/L)	2,4,5-T TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	SILVEX, TOTAL (UG/L)	SILVEX, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
JUN 21...	0	0	.00	.0	.00	0	.00	0	.00	.0

LUXAPALLILA, MAGBY, AND MCCRARY CREEKS STUDY AT COLUMBUS, MS

02403500 - LUXAPALLILA CREEK NR COLUMBUS, MS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	STREAM- FLOW, INSTANT- ANECLS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICHOH- MHOS)	PH (UNITS)	TEMPER- ATURE, WATER (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
SFP						
09...	1830	335	24	6.6	24.0	6.6
09...	1900	330	24	--	--	6.6
09...	2000	325	24	--	--	6.6
09...	2100	325	24	--	--	6.7
09...	2130	320	24	6.7	--	6.7
09...	2200	320	24	--	--	6.7
09...	2300	320	24	--	--	6.7
09...	2400	315	24	--	--	6.7
10...	0001	315	24	6.8	24.0	6.7
10...	0100	315	24	--	--	6.7
10...	0200	310	24	--	--	6.7
10...	0300	310	24	--	--	6.7
10...	0400	310	24	--	--	6.7
10...	0500	305	24	--	--	6.7
10...	0600	305	24	--	--	6.7
10...	0615	300	24	6.8	23.5	6.7
10...	0700	295	24	--	23.5	6.8
10...	0800	295	24	--	23.5	6.8
10...	0900	290	24	6.7	23.5	6.8
10...	1000	290	24	--	23.5	6.8
10...	1100	285	24	--	23.5	6.8
10...	1200	285	24	--	23.5	6.8
10...	1215	280	24	6.5	23.5	6.9
10...	1300	280	24	--	24.0	7.0
10...	1400	275	24	--	24.0	7.0
10...	1500	275	24	--	24.0	7.1
10...	1515	275	24	6.6	24.0	7.2
10...	1600	275	24	--	24.0	7.1
10...	1700	275	24	--	24.0	7.1
10...	1800	275	24	6.7	24.0	7.0
10...	1900	275	24	--	24.0	7.0
10...	2000	275	24	--	24.0	7.1
10...	2100	270	26	6.8	23.5	7.2
10...	2200	270	26	--	24.0	7.2
10...	2300	270	26	--	24.5	7.2
10...	2400	265	26	--	24.0	7.2
11...	0001	265	26	6.9	24.0	7.2
11...	0100	265	26	--	24.0	7.1
11...	0200	260	26	--	23.5	7.0
11...	0300	260	26	6.9	23.5	7.0
11...	0400	255	26	--	23.0	7.0
11...	0500	255	26	--	23.0	6.9
11...	0600	250	27	--	23.0	6.8
11...	0615	250	27	6.7	23.0	6.7
11...	0700	250	27	--	23.0	6.7
11...	0800	245	27	--	23.0	6.8
11...	0900	245	27	--	23.0	6.8
11...	0920	245	27	6.7	22.5	6.9
11...	1000	245	27	--	23.0	6.9
11...	1100	240	27	--	23.0	7.0
11...	1200	240	27	--	23.0	7.0
11...	1230	240	27	6.6	23.5	7.0
11...	1300	235	26	--	23.5	7.0
11...	1400	235	26	--	23.5	7.0
11...	1500	235	25	--	24.0	7.0
11...	1530	230	25	6.6	24.5	7.0
11...	1600	230	25	--	24.5	7.1
11...	1700	230	25	--	24.5	7.2
11...	1800	230	25	6.7	24.5	7.4
11...	1900	225	25	--	24.0	7.3
11...	2000	225	25	--	24.5	7.3
11...	2100	220	25	6.9	24.0	7.2
11...	2200	220	25	--	24.0	7.2
11...	2300	220	25	--	23.5	7.2
11...	2400	220	25	--	23.5	7.2
12...	0001	220	25	6.7	23.5	7.2
12...	0100	220	25	--	23.5	7.2
12...	0200	220	26	--	23.5	7.2
12...	0300	220	26	6.8	23.5	7.2
12...	0400	220	26	--	23.5	7.2
12...	0500	215	26	--	23.5	7.2
12...	0600	215	25	--	23.0	7.2
12...	0630	215	25	6.6	23.0	7.2
12...	0700	215	25	--	23.0	7.2
12...	0800	210	25	--	23.0	7.1
12...	0900	210	25	6.6	23.0	7.1
12...	1000	210	25	--	23.0	7.1
12...	1100	205	25	--	23.0	7.0
12...	1145	205	25	6.4	23.0	7.0
12...	1200	205	25	--	23.0	7.0
12...	1300	200	25	6.5	23.5	7.0

ANALYSES OF SAMPLES COLLECTED DURING STUDIES AT SHORT-TERM WATER-QUALITY STATIONS

LUXAPALLILA, MAGBY, AND MCCRARY CREEKS STUDY AT COLUMBUS, MS--Continued

02443500 - LUXAPALLILA CREEK NW COLUMBUS, MS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLI- FORM, FECAL, 0.7 UM-NF (COLS./ 100 ML)	STREP- TOCCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	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)
SEP									
09...	1830	15	.1	K150	230	2.7	.08	.01	.09
10...	0001	16	.2	K120	260	2.6	.09	.01	.10
10...	0615	15	.2	K50	320	2.9	.09	.01	.10
10...	1215	15	.5	K100	240	2.8	.09	.01	.10
10...	1800	13	.4	K150	190	2.8	.09	.01	.10
11...	0001	11	.4	140	510	3.5	.10	.01	.11
11...	0615	15	.7	120	350	2.6	.11	.00	.11
11...	1230	17	.6	K77	320	2.7	.10	.01	.11
11...	1800	10	.3	K86	320	6.6	.11	.01	.12
12...	0001	10	.6	K97	940	3.3	.11	.01	.12
12...	0630	11	.5	K63	420	2.6	.12	.01	.13
12...	1145	12	.6	K80	390	2.8	.12	.01	.13

DATE	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS NH4)	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)	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, ORTHOPH- OSPHATE TOTAL (MG/L AS P)
SEP								
09...	.02	.02	.32	.34	.43	1.9	.040	.00
10...	.08	.10	.53	.61	.71	3.1	.030	.02
10...	.05	.06	.18	.23	.33	1.5	.030	.00
10...	.03	.04	.29	.32	.42	1.9	.040	.00
10...	.02	.02	.38	.40	.50	2.2	.030	.00
11...	.06	.07	.36	.42	.53	2.3	.030	.02
11...	.03	.04	.30	.33	.44	1.9	.030	.00
11...	.04	.05	.34	.38	.49	2.2	.040	.01
11...	.04	.05	.12	.16	.28	1.2	.040	.02
12...	.03	.04	.36	.39	.51	2.3	.030	.01
12...	.06	.07	.30	.36	.49	2.2	.030	.02
12...	.06	.07	.37	.43	.56	2.5	.040	.02

02443580 - MAGBY CREEK AT COLUMBUS, MS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE, WATER (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
SEP						
10...	1245	12	35	6.9	23.5	7.0
10...	1540	12	36	6.8	23.5	7.3
10...	1815	14	38	7.0	22.5	7.4
10...	2115	14	38	7.0	22.0	7.4
11...	0015	14	38	7.0	22.0	7.4
11...	0315	12	38	7.0	22.0	7.4
11...	0700	11	40	6.8	22.0	7.5
11...	1000	10	38	6.6	22.5	7.5
11...	1245	11	38	6.7	23.5	7.6

LUXAPALLILA, MAGBY, AND MCCARY CREEKS STUDY AT COLUMBUS, MS--Continued

02443580 - MAGBY CREEK AT COLUMBUS, MS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEM (HIGH LEVEL) (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (CCLS./ 100 ML)	STREP- TOCOC KF AGAR (COLS. PER 100 ML)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	NITRO- GEN, NITRATE (MG/L AS N)	NITRO- GEN, NITRITE (MG/L AS N)	NITRO- GEN, NO2+NO3 (MG/L AS N)
SEP									
10...	1245	10	.2	440	340	3.9	.27	.01	.28
10...	1815	11	.7	410	420	5.3	.27	.01	.28
11...	0015	10	.7	450	380	5.1	.28	.01	.29
11...	0700	8	.4	270	280	3.8	.29	.00	.29
11...	1245	9	.8	350	290	3.6	.28	.01	.29

DATE	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS NH4)	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)	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, ORTHOPH OSPHATE TOTAL (MG/L AS P)
SEP							
10...	.03	.04	.25	.28	.56	2.5	.030
10...	.03	.04	.25	.28	.56	2.5	.030
11...	.05	.06	.19	.24	.53	2.3	.030
11...	.03	.04	.36	.39	.68	3.0	.030
11...	.04	.05	.17	.21	.50	2.2	.030

332932088240100 - LUXAPALLILA CREEK AT AIRLINE ROAD

024436002

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	STREAM- FLOW, INSTAN- TANECUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE, WATER (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
SEP						
10...	1300	285	29	6.5	24.0	7.4
10...	1550	280	29	6.5	24.5	7.0
10...	1830	280	28	6.9	24.0	6.9
10...	2130	275	28	6.9	23.5	6.9
11...	0630	275	28	6.9	23.5	6.9
11...	0330	275	28	6.9	23.0	6.9
11...	0730	270	29	6.7	22.5	7.3
11...	1015	270	30	6.9	23.0	6.9
11...	1315	270	30	6.8	24.5	7.2

DATE	TIME	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEM (HIGH LEVEL) (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (CCLS./ 100 ML)	STREP- TOCOC KF AGAR (COLS. PER 100 ML)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	NITRO- GEN, NITRATE (MG/L AS N)	NITRO- GEN, NITRITE (MG/L AS N)	NITRO- GEN, NO2+NO3 (MG/L AS N)
SEP									
10...	1300	16	.1	3600	180	4.4	.10	.01	.11
10...	1830	15	.8	3700	140	5.9	.11	.01	.12
11...	0030	12	.7	89100	260	3.7	.12	.01	.13
11...	0730	13	.4	811000	290	3.6	.13	.00	.13
11...	1315	9	.6	5000	200	2.9	.12	.01	.13

DATE	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS NH4)	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)	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, ORTHOPH OSPHATE TOTAL (MG/L AS P)
SEP							
10...	.03	.04	.27	.30	.41	1.8	.060
10...	.01	.01	.38	.39	.51	2.3	.050
11...	.03	.04	.27	.30	.43	1.9	.050
11...	.03	.04	.23	.26	.39	1.7	.050
11...	.04	.05	.12	.16	.29	1.3	.050

ANALYSES OF SAMPLES COLLECTED DURING STUDIES AT SHORT-TERM WATER-QUALITY STATIONS

LUXAPALLILA, MAGBY, AND MCCRARY CREEKS STUDY AT COLUMBUS, MS--Continued

332914088232100 - MCCRARY CREEK AT MS. RHY. 69

024436008

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

		STREAM- FLOW, INSTANT- TAMECUS (CFS)	SPF- CIFIC CON- DUCTI- ANCE (MICHO- MHOS)	PH (UNITS)	TEMPER- ATURE, WATER (DEG C)	OXYGEN, DIS- SOLVED (MG/L)			
SEP									
DATE	TIME	10...	1345	4.9	73	6.8	25.5	6.7	
		10...	1610	4.9	73	7.1	27.5	9.2	
		10...	1845	5.0	72	7.1	27.5	8.9	
		10...	2145	5.0	72	7.0	26.0	7.9	
		11...	0045	5.0	74	6.9	24.5	7.3	
		11...	0345	4.9	76	6.9	23.5	7.3	
		11...	0745	4.8	78	6.7	22.0	6.5	
		11...	1035	4.8	77	6.9	23.0	7.3	
		11...	1340	4.8	75	6.9	25.0	7.7	
DATE	TIME	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	CELL- FORM, FFCAL, 0.7 UN-MF (COLS./ 100 ML)	STREP- THOCOCI FECAL, KF AGAR (COLS. PER 100 ML)	CHLO- RIDF, DIS- SOLVED (MG/L AS CL)	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)
SEP									
10...	1345	12	.4	400	150	6.2	.06	.00	.06
10...	1845	14	1.4	320	100	6.1	.04	.00	.04
11...	0045	15	1.0	340	160	7.2	.05	.00	.05
11...	0745	11	1.3	390	180	5.5	.06	.00	.06
11...	1340	18	1.1	K2600	120	5.3	.03	.01	.04
DATE	TIME	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS NH4)	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)	NITRO- GEN, TOTAL (MG/L AS NH3)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, ORTHOPH OSPHATE TOTAL (MG/L AS P)
SEP									
10...		.05	.06	.16	.21	.27	1.2	.050	.01
10...		.03	.04	.24	.27	.31	1.4	.040	.00
11...		.01	.01	.19	.20	.25	1.1	.030	.00
11...		.03	.04	.30	.33	.39	1.7	.030	.01
11...		.04	.05	.03	.07	.11	.49	.040	.01

LUXAPALLILA, MAGBY, AND MCCRARY CREEKS STUDY AT COLUMBUS, MS--Continued

02443601 - LUXAPALLILA CREEK SE OF COLUMBUS, MS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE, WATER (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
SFP						
09...	1900	360	42	6.8	24.5	6.6
09...	2000	360	42	--	24.0	6.5
09...	2100	360	42	--	24.0	6.4
09...	2200	360	42	6.9	24.0	6.4
09...	2300	355	42	--	24.0	6.4
09...	2400	355	42	--	24.0	6.3
10...	0100	355	42	6.9	24.0	6.3
10...	0200	355	42	--	24.0	6.3
10...	0300	350	42	--	24.0	6.4
10...	0400	350	43	--	23.5	6.3
10...	0500	353	43	--	23.5	6.4
10...	0600	345	43	--	23.5	6.5
10...	0700	345	43	6.8	23.5	7.2
10...	0800	345	43	--	23.0	6.4
10...	0900	340	43	--	23.0	7.1
10...	1000	340	43	6.7	23.5	7.1
10...	1100	335	43	--	24.0	7.1
10...	1200	335	44	--	24.0	7.1
10...	1300	330	44	--	24.5	7.1
10...	1315	330	45	6.7	24.5	7.1
10...	1400	330	45	--	25.0	7.1
10...	1500	330	46	--	24.5	7.1
10...	1600	325	47	--	24.5	7.1
10...	1620	325	48	6.8	25.5	7.2
10...	1700	325	48	--	24.5	7.1
10...	1800	325	47	--	24.5	7.0
10...	1900	325	46	7.1	24.5	7.0
10...	2000	325	46	--	24.0	7.0
10...	2100	325	41	--	24.0	7.1
10...	2200	325	46	7.0	24.0	7.1
10...	2300	325	46	--	24.0	7.0
10...	2400	325	47	--	23.5	7.0
11...	0100	325	48	7.0	23.5	7.0
11...	0200	325	48	--	23.0	7.0
11...	0300	320	48	--	23.0	7.0
11...	0400	320	48	7.0	23.0	7.0
11...	0500	320	48	--	23.0	7.0
11...	0600	315	48	--	23.0	6.9
11...	0700	315	47	--	23.0	7.1
11...	0800	315	46	6.9	23.0	7.3
11...	0900	310	45	--	23.0	7.2
11...	1000	310	44	--	23.5	7.2
11...	1100	305	49	7.1	23.5	7.2
11...	1200	305	49	--	24.0	7.3
11...	1300	305	49	--	24.5	7.2
11...	1400	300	49	7.0	25.0	7.1
11...	1500	300	47	--	25.0	7.1
11...	1600	295	46	7.0	25.5	7.0
11...	1700	295	46	--	24.5	7.0
11...	1800	295	46	--	24.5	7.0
11...	1830	295	46	7.1	24.5	7.1
11...	1900	295	46	--	24.5	7.1
11...	2000	295	46	--	24.0	7.1
11...	2100	295	46	--	24.0	7.1
11...	2130	295	47	7.0	24.0	7.1
11...	2200	295	46	--	24.0	7.0
11...	2300	295	46	--	24.0	7.0
11...	2400	295	46	--	24.0	7.1
12...	0030	295	46	6.9	23.5	7.2
12...	0100	295	46	--	23.5	7.0
12...	0200	295	46	--	23.5	6.9
12...	0300	290	46	--	23.5	6.9
12...	0330	290	46	7.0	23.0	7.2
12...	0400	290	46	--	23.0	7.0
12...	0500	295	45	--	23.0	6.9
12...	0600	295	45	--	23.0	6.8
12...	0700	295	45	--	23.0	6.9
12...	0715	295	45	6.7	23.0	7.3
12...	0800	295	45	--	23.0	7.2
12...	0900	290	45	--	23.5	7.3
12...	0920	290	45	6.7	23.0	7.3
12...	1000	290	47	--	24.0	7.3
12...	1100	285	47	--	24.0	7.4
12...	1200	285	47	6.6	24.5	7.4
12...	1300	285	46	--	24.5	7.3
12...	1330	285	46	6.6	24.5	7.3

ANALYSES OF SAMPLES COLLECTED DURING STUDIES AT SHORT-TERM WATER-QUALITY STATIONS

LUXAPALLILA, MAGBY, AND MCCRARY CREEKS STUDY AT COLUMBUS, MS--Continued

02403601 - LUXAPALLILA CREEK SE OF COLUMBUS, MS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEM 5 DAY (MG/L)	CULT- FORM, FECAL, 0.7 LM-KF (COLS./ 100 ML)	STREP- TOCOCO FECAL, KF AGAR (COLS. PER 100 ML)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	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)
SEP									
09...	1900	12	.3	3800	8190	3.0	.09	.01	.10
10...	0100	16	.4	8600	400	3.3	.09	.01	.10
10...	0700	15	.4	2500	330	3.2	.11	.00	.11
10...	1315	16	1.4	7400	290	4.3	.10	.01	.11
10...	1900	22	2.3	5300	440	4.8	.12	.01	.13
11...	0100	14	2.6	9600	430	4.9	.00	.00	.00
11...	0800	16	2.2	5900	660	4.3	.12	.01	.13
11...	1400	9	2.2	12000	330	4.1	.12	.01	.13
11...	1830	9	1.4	6800	360	4.2	.12	.01	.13
12...	0030	13	1.5	10000	420	4.2	.13	.02	.15
12...	0715	14	1.4	7000	430	3.6	.13	.01	.14
12...	1200	14	1.7	9200	460	3.9	.13	.01	.14

DATE	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS NH4)	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)	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, ORTHOPH- OSPHATE TOTAL (MG/L AS P)	PHOS- PHORUS, ORTHOPH- OSPHATE TOTAL (MG/L AS P)
SEP								
09...	.18	.22	.27	.45	.55	2.4	.080	.04
10...	.18	.22	.54	.72	.82	3.6	.110	.05
10...	.07	.08	.24	.31	.42	1.9	.060	.01
10...	.33	.40	1.6	1.9	2.0	8.9	.280	.13
10...	.50	.61	.45	.95	1.1	4.8	.290	.20
11...	.00	.00	1.0	1.0	1.0	4.4	.300	.00
11...	.38	.46	.52	.90	1.0	4.6	.250	.13
11...	.42	.51	.21	.63	.76	3.4	.300	.18
11...	.36	.44	.21	.57	.70	3.1	.240	.15
12...	.43	.52	.57	1.0	1.2	5.1	.260	.17
12...	.34	.41	.45	.79	.93	4.1	.230	.16
12...	.38	.46	.49	.87	1.0	4.5	.240	.17

ANALYSES OF SAMPLES COLLECTED DURING STUDIES AT SHORT-TERM WATER-QUALITY STATIONS

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LUXAPALLILA, MAGBY, AND MCCRARY CREEKS STUDY AT COLUMBUS, MS--Continued

02443601 - LUXAPALLILA CREEK SE OF COLUMBUS, MS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	COLOR (PLAT- INUM COBALT UNITS)	TUR- BID- ITY (NTU)	SODIUM, DIS- SOLVED (MG/L AS NA)	ALKA- LINTY (MG/L AS CACO3)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	
SEP 11...	1830	60	20	3.2	15	4.2	4.2	.1	8.7	44	
DATE	TIME	SOLIDS, DIS- SOLVED (TONS PER AC-FT)	SOLIDS, DIS- SOLVED (TONS PER DAY)	ARSENIC TOTAL FM BOT- TUM MA- RECOV- ERABLE (UG/L AS AS)	CADMIUM TOTAL FM BOT- TUM MA- RECOV- ERABLE (UG/L AS CD)	CADMIUM RECOV. FM BOT- TUM MA- RECOV- ERABLE (UG/L AS CD)	CHRO- MIUM, TOTAL FM BOT- TUM MA- RECOV- ERABLE (UG/L AS CR)	CHRO- MIUM, TOTAL FM BOT- TUM MA- RECOV- ERABLE (UG/L AS CR)	COBALT, TOTAL FM BOT- TUM MA- RECOV- ERABLE (UG/L AS CO)	COBALT, RECOV. FM BOT- TUM MA- RECOV- ERABLE (UG/L AS CO)	
SEP 11...	.06	35.0	3	0	2	<10	7	<10	2	<10	
DATE	TIME	COPPER, TOTAL FM BOT- TUM MA- RECOV- ERABLE (UG/L AS CU)	COPPER, RECOV. FM BOT- TUM MA- RECOV- ERABLE (UG/L AS CU)	IRON, TOTAL FM BOT- TUM MA- RECOV- ERABLE (UG/L AS FE)	IRON, RECOV. FM BOT- TUM MA- RECOV- ERABLE (UG/L AS FE)	LEAD, TOTAL FM BOT- TUM MA- RECOV- ERABLE (UG/L AS PB)	LEAD, RECOV. FM BOT- TUM MA- RECOV- ERABLE (UG/L AS PB)	MANGA- NESE, TOTAL FM BOT- TUM MA- RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, RECOV. FM BOT- TUM MA- RECOV- ERABLE (UG/L AS MN)	MERCURY TOTAL FM BOT- TUM MA- RECOV- ERABLE (UG/L AS HG)	MERCURY RECOV. FM BOT- TUM MA- RECOV- ERABLE (UG/L AS HG)
SEP 11...	2	<10	2200	2400	2	60	230	250	<.5	.00	
DATE	TIME	NICKEL, TOTAL FM BOT- TUM MA- RECOV- ERABLE (UG/L AS NI)	NICKEL, RECOV. FM BOT- TUM MA- RECOV- ERABLE (UG/L AS NI)	SELE- NIUM, TOTAL FM BOT- TUM MA- RECOV- ERABLE (UG/L AS SE)	SELE- NIUM, RECOV. FM BOT- TUM MA- RECOV- ERABLE (UG/L AS SE)	ZINC, TOTAL FM BOT- TUM MA- RECOV- ERABLE (UG/L AS ZN)	ZINC, RECOV. FM BOT- TUM MA- RECOV- ERABLE (UG/L AS ZN)	CARBON, ORGANIC TOTAL FM BOT- TUM MA- RECOV- ERABLE (MG/L AS C)	PHENOLS (UG/L)	OIL AND GREASE, TOTAL FM BOT- TUM MA- RECOV- ERABLE (MG/L)	
SEP 11...	3	<10	0	0	20	<10	5.4	0	1		

ANALYSES OF SAMPLES COLLECTED DURING STUDIES AT SHORT-TERM WATER-QUALITY STATIONS

LUXAPALLILA, MAGBY, AND MCCARY CREEKS STUDY AT COLUMBUS, MS--Continued

02443601 - LUXAPALLILA CREEK SE OF COLUMBUS, MS.

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	PCH, TOTAL (UG/L)	PCH, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	NAPH- THA- LENES, POLY- CHLOR, TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	CHLOR- DANE, TOTAL (UG/L)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDE, TOTAL (UG/L)
SEP 11...	1830	.0	4	.00	.00	.0	.0	0	.00	.0	.00

DATE	DDE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- AZINON, TOTAL (UG/L)	DI- AZINON, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- ELURIN, TOTAL (UG/L)	DI- ELURIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDO- SULFAN, TOTAL (UG/L)	ENDO- SULFAN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDO- SULFAN, TOTAL (UG/L)
SEP 11...	.0	.00	.0	.00	.0	.00	.0	.00	.00	.0

DATE	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR, TOTAL (UG/L)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- EPOXIDE TOTAL (UG/L)	HEPTA- EPOXIDE TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	MALA- THION, TOTAL (UG/L)	MALA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
SEP 11...	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0

DATE	METH- OXY- CHLOR, TOTAL (UG/L)	METH- OXY- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	METHYL PARA- THION, TOTAL (UG/L)	METHYL PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	METHYL TRI- THION, TOTAL (UG/L)	METHYL TRI- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	MIREX, TOTAL (UG/L)	MIREX, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	PARA- THION, TOTAL (UG/L)	PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	PER- THANE TOTAL (UG/L)
SEP 11...	.00	.0	.00	.0	.00	.0	.00	.00	.0	.00	.00

DATE	TOX- APHENE, TOTAL (UG/L)	TOX- APHENE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	TRI- THION, TOTAL (UG/L)	TRI- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2,4-D, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	2,4,5-T TOTAL (UG/L)	2,4,5-T TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	SILVEX, TOTAL (UG/L)	SILVEX, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
SEP 11...	0	0	.00	.0	.00	0	.00	0	.00	.0

PASCAGOULA AND ESCATAWPA RIVERS STUDY NEAR PASCAGOULA, MS

30264808340600 - PASCAGOULA RIVER AT MI 9

024793428

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	SAMP- LING DEPTH (FT)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE, WATER (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
MAY						
24...	1125	1.0	70	7.0	26.0	7.3
24...	1126	5.0	70	7.0	25.5	7.1
24...	1127	10	80	6.9	24.0	6.3
24...	1128	15	80	6.9	24.0	6.3
24...	1129	20	80	6.9	24.0	6.2
24...	1130	25	80	6.9	24.0	6.2
24...	1131	27	--	--	--	--

02479343 - PASCAGOULA RIVER AT MI 8 NR ESCATAWPA, MS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	SAMP- LING DEPTH (FT)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE, WATER (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
MAY						
23...	1905	1.0	70	6.7	24.5	7.1
23...	1906	5.0	70	6.7	24.5	6.8
23...	1907	10	80	6.8	24.5	6.8
23...	1908	15	80	6.8	24.5	6.8
23...	1909	20	80	6.7	24.5	6.8
23...	1910	25	80	6.7	24.5	6.7
24...	1110	1.0	80	7.0	24.5	6.8
24...	1111	5.0	90	7.0	24.5	6.5
24...	1112	10	90	6.9	24.0	6.2
24...	1113	15	90	6.9	24.0	6.0
24...	1114	20	90	6.9	24.0	6.0
24...	1115	25	100	6.9	24.0	6.0

DATE	TIME	OXYGEN DEMAND, RICHMUN UNIMBIE 5 DAY (MG/L)	COLI- FERM, FECAL, 0.7 UN- (COLS./ 100 ML)	STREP- TOCOCCI KF AGAR (COLS. PER 100 ML)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, NITRATES TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)
MAY								
23...	1915	1.5	1100	1300	.09	.01	.10	.03
24...	1120	1.3	600	720	.10	.01	.11	.05

DATE	TIME	NITRO- GEN, AMMONIA TOTAL (MG/L AS NH4)	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)	NITRO- GEN, TOTAL (MG/L AS NCS)	PHOS- PHORUS, ORGANIC TOTAL (MG/L AS P)	PHOS- PHORUS, ORGANIC TOTAL (MG/L AS P)	PHOS- PHORUS, ORGANIC TOTAL (MG/L AS C)
MAY									
23...	.00	1.1	1.1	1.2	5.3	.040	.01	.01	9.8
24...	.06	1.3	1.3	1.4	6.2	.060	.01	.01	6.3

30252608333600 - PASCAGOULA RIVER AT MI 7

024793431

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	SAMP- LING DEPTH (FT)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE, WATER (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
MAY						
23...	1900	1.0	80	6.8	24.5	7.2
23...	1901	5.0	80	6.8	24.5	7.1
23...	1902	10	90	6.8	24.5	6.9
23...	1903	15	100	6.8	24.5	6.9
24...	1105	1.0	110	7.1	24.5	6.5
24...	1106	5.0	110	7.0	24.5	6.1
24...	1107	10	1720	6.9	24.0	4.7
24...	1108	15	3100	6.8	24.0	3.6

ANALYSES OF SAMPLES COLLECTED DURING STUDIES AT SHORT-TERM WATER-QUALITY STATIONS

PASCAGOULA AND ESCATAWPA RIVERS STUDY NEAR PASCAGOULA, MS--Continued

30254108P290100 - ESCATAWPA RIVER AT MI 7

024802053

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	SAMP- LING DEPTH (FT)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE, WATER (DEG C)	OXYGEN, DIS- SOLVED (MG/L)		
MAY								
23...	2028	1.0	70	5.8	24.0	6.4		
23...	2029	5.0	70	5.8	24.0	6.4		
23...	2030	10	70	5.8	24.0	6.3		
23...	2031	15	70	5.8	24.0	6.2		
23...	2032	20	70	5.8	24.0	6.3		
23...	2033	25	70	5.8	24.0	6.2		
23...	2034	30	70	5.8	24.0	6.2		
23...	2035	35	70	5.8	24.0	6.2		
23...	2036	38	--	--	--	--		
24...	1240	1.0	30	5.9	23.0	6.4		
24...	1241	5.0	30	6.0	23.0	6.1		
24...	1242	10	30	6.0	23.0	6.0		
24...	1243	15	30	6.0	22.5	6.0		
24...	1244	20	30	6.1	22.5	5.9		
24...	1245	25	30	6.1	22.5	6.0		
24...	1246	30	30	6.0	22.5	6.0		
24...	1247	35	30	6.0	22.5	6.0		
24...	1248	40	30	6.0	22.5	6.0		
DATE	TIME	OXYGEN DEMAND, BIOCHEM 5 DAY (MG/L)	CULT- FORM, FECAL, 0.7 KF AGAR UM-MF (COLS./ 100 ML)	STREP- TOCUCCI FECAL, KF AGAR (COLS. PER 100 ML)	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)
MAY								
23...	2040	1.6	2500	1700	.17	.01	.18	.01
24...	1250	1.6	3500	1200	.19	.01	.20	.02
DATE		NITRO- GEN, AMMONIA TOTAL (MG/L AS NH4)	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)	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, ORTHOPH OSPHATE TOTAL (MG/L AS P)	CARRON, ORGANIC TOTAL (MG/L AS C)
MAY								
23...		.01	1.4	1.4	1.6	7.0	.030	.00
24...		.02	1.1	1.1	1.3	5.8	.020	.00

302512088292200 - ESCATAWPA RIVER AT MI 6

024802054

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	SAMP- LING DEPTH (FT)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE, WATER (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
MAY						
23...	2022	1.0	70	5.8	24.0	6.4
23...	2023	5.0	70	5.8	24.0	6.3
23...	2024	10	70	5.8	24.0	6.2
23...	2025	15	70	5.8	24.0	6.2
24...	1235	1.0	50	6.1	24.0	6.4
24...	1236	5.0	40	6.1	23.5	6.0
24...	1237	10	40	6.2	23.0	6.0
24...	1238	15	40	6.2	23.0	5.9

PASCAGOULA AND ESCATAWPA RIVERS STUDY NEAR PASCAGOULA, MS--Continued

302515088301300 - ESCATAWPA RIVER AT MI 5

024802055

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

		SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)		PH	TEMPER- ATURE, WATER (DEG C)	OXYGEN, DIS- SOLVED (MG/L)		
DATE	TIME	SAMP- LING DEPTH (FT)		(UNITS)				
MAY								
23...	2013	1.0	140	6.0	24.0	6.5		
23...	2014	5.0	100	6.0	24.0	6.3		
23...	2015	10	130	6.0	24.0	6.3		
23...	2016	15	750	6.2	24.0	6.0		
23...	2017	18	--	--	--	--		
24...	1225	1.0	50	6.1	23.5	6.4		
24...	1226	5.0	50	6.1	23.5	6.1		
24...	1227	10	50	6.1	23.5	6.0		
24...	1228	15	150	6.3	23.0	5.9		
24...	1229	20	390	6.4	23.6	5.8		
DATE	TIME	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLI- FORM, FECAL, 0.7 MEM-F (CCLS./ 100 ML)	STREP- TOCOCCEI FECAL, KF AGAR (COLS. PER 100 ML)	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)
MAY								
23...	2020	1.3	500	1100	.19	.01	.20	.03
24...	1230	1.5	1200	840	.17	.01	.18	.03
DATE	TIME	NITRO- GEN, AMMONIA TOTAL (MG/L AS NH4)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, ORTHOPH PHOSPHATE TOTAL (MG/L AS P)	PHOS- PHORUS, ORGANIC TOTAL (MG/L AS C)
MAY								
23...	.04	1.2	1.2	1.4	6.2	.020	.00	10
24...	.00	1.4	1.4	1.6	7.0	.020	.00	5.

302528088304400 - ESCATAWPA RIVER AT MI 4

024802057

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

		SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)		PH (UNITS)	TEMPER- ATURE, WATER (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
DATE	TIME	SAMP- LING DEPTH (FT)				
MAY						
23...	2007	1.0	590	6.2	24.0	6.0
23...	2008	5.0	590	6.2	24.0	5.8
23...	2009	10	500	6.2	24.0	5.9
23...	2010	15	740	6.2	24.0	5.9
24...	1220	1.0	80	6.1	24.0	6.3
24...	1221	5.0	100	6.2	24.0	6.0
24...	1222	10	340	6.4	23.5	5.6
24...	1223	15	410	6.4	23.5	5.5

ANALYSES OF SAMPLES COLLECTED DURING STUDIES AT SHORT-TERM WATER-QUALITY STATIONS

PASCAGOULA AND ESCATAWPA RIVERS STUDY NEAR PASCAGOULA, MS--Continued

30245508P313100 - ESCATAWPA RIVER AT MI 3

024802061

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

		SAMP- LING DEPTH (FT)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE, WATER (DEG C)	OXYGEN, DIS- SOLVED (MG/L)		
DATE	TIME							
MAY								
23...	2000	1.0	1760	6.6	24.0	4.9		
23...	2001	5.0	1850	6.5	24.0	5.0		
23...	2002	10	2200	6.5	24.0	4.7		
23...	2003	15	2120	6.5	24.0	4.7		
24...	1205	1.0	310	6.7	24.5	5.9		
24...	1206	5.0	300	6.6	24.0	5.5		
24...	1207	10	490	6.7	24.0	5.2		
24...	1208	15	900	6.8	24.0	4.5		
24...	1209	17	--	--	--	--		
DATE	TIME	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCCEI FECAL, KF AGAR (COLS./ 100 ML)	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)
MAY								
23...	2005	2.1	500	110	.18	.01	.19	.15
24...	1210	1.9	1100	780	.14	.01	.15	.17
DATE	TIME	NITRO- GEN, AMMONIA TOTAL (MG/L AS NH4)	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)	NITRO- GEN, TOTAL (MG/L AS N)	PHOS- PHORUS, ORTHOPH OSPHATE TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
MAY								
23...	.18	2.0	2.1	2.3	10	.070	.02	16
24...	.21	1.2	1.4	1.6	6.9	.070	.02	16

30245908P320800 - ESCATAWPA RIVER AT MI 2

024802064

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

		SAMP- LING DEPTH (FT)	SPE- CIFIC CON- DUCT- ANCE (MICRO)- MHOS	PH (UNITS)	TEMPER- ATURE, WATER (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
DATE		TIME				
MAY						
23...	1950	1.0	2600	6.6	24.5	4.1
23...	1951	5.0	2610	6.6	24.5	4.2
23...	1952	10	2830	6.6	24.5	3.9
23...	1953	15	3640	6.6	24.5	3.5
23...	1954	19	15900	6.8	24.0	.2
24...	1200	1.0	740	7.0	25.0	5.7
24...	1201	5.0	720	6.9	24.5	5.3
24...	1202	10	1500	6.9	24.0	4.4
24...	1203	15	2480	7.0	24.0	3.7
24...	1204	20	6000	7.0	24.0	1.7

PASCAGOULA AND ESCATAWPA RIVERS STUDY NEAR PASCAGOULA, MS--Continued

02480207 - ESCATAWPA RIVER AT ROSS POINT, MS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

		SAMP- LING DEPTH (FT)	SPE- CIFIC CON- DUCTI- VANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE, WATER (DEG C)	OXYGEN, DIS- SOLVED (MG/L)		
DATE	TIME							
MAY								
23...	1933	1.0	2670	6.6	25.0	3.5		
23...	1934	5.0	2790	6.6	25.0	3.4		
23...	1935	10	3570	6.6	24.5	2.5		
23...	1936	15	5190	6.5	24.5	1.6		
23...	1937	20	10300	6.6	24.0	.5		
24...	1150	1.0	1520	7.0	25.0	5.3		
24...	1151	5.0	1560	7.0	24.5	5.0		
24...	1152	10	1500	7.0	24.0	4.7		
24...	1153	15	2340	7.0	24.0	3.7		
24...	1154	20	10000	7.0	24.0	1.0		
		OXYGEN DEMAND, BIOCHEM UNIT/100 ML 5 DAY (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (CCLS./ 100 ML)	STREP- TOCOCO FECAL, KF AGAR (COLS. PER 100 ML)	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)
DATE	TIME							
MAY								
23...	1940	2.3	4000	1300	.12	.01	.13	.46
24...	1155	1.7	2600	320	.18	.01	.19	.18
		NITRO- GEN, AMMONIA TOTAL (MG/L AS NH4)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,AN- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, ORTHOPH OSPHATE TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
MAY								
23...	.56	2.1	2.6	2.7	12	.120	.05	11
24...	.22	1.2	1.4	1.6	7.0	.060	.02	12

ANALYSES OF SAMPLES COLLECTED DURING STUDIES AT SHORT-TERM WATER-QUALITY STATIONS

PASCAGOULA AND ESCATAWPA RIVERS STUDY NEAR PASCAGOULA, MS--Continued

02480207 - ESCATAWPA RIVER AT MOSS POINT, MS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	COLOR (PLAT- INUM COHULT UNITS)	HARD- NESS (MG/L AS CACU3)	HARD- NESS, NONCAR- BONATE (MG/L AS CACU3)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM AD- SURP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)
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MAY 24...	1600	60	140	120	10	27	220	76	8.2	9.9
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DATE	TIME	ALKA- LITY (MG/L AS CACU3)	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 SOLVED (MG/L)	SOLIDS, SUM OF CONSTIT- UENTS, DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED PER AC-FT)	ARSENIC TOTAL IN BOT- TOM MA- TERIAL (UG/G AS AS)
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MAY 24...	13	57	400	.1	6.1	P01	738	1.09	3	0
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DATE	TIME	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CADMIUM RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	CHRO- MIUM, TOTAL RECOV. FM BOT- TOM MA- TERIAL (UG/G)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	COPPER, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	LEAD, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS PB)
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MAY 24...	0	<10	40	20	14	20	900	12000	1	80
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DATE	TIME	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY RECOV. FM BOT- TOM MA- TERIAL (UG/G AS HG)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI)	NICKEL, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS NI)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	ZINC, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS ZN)	PHENOLS (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVI- METRIC (MG/L)
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MAY 24...	50	60	<.5	.00	13	<10	20	110	0	2
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PESTICIDE ANALYSES, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	NAPH- THA- LENES, POLY- CHLOR, TOTAL (UG/L)	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDD, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	DDD, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDE, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	DDE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
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MAY 24...	1600	.0	44	.00	.00	.0	.0	4	.00	.8	.00	.9
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DATE	TIME	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- AZINON, TOTAL (UG/L)	DI- ELDRIN, TOTAL (UG/L)	DI- ELDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDO- SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ETHION, TOTAL (UG/L)	HEPTA- CHLOR, TOTAL (UG/L)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L)
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MAY 24...	.00	.2	.01	.00	.0	.00	.00	.00	.0	.00	.00	.0	.00
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DATE	TIME	HEPTA- CHLOR EPOXIDE TGT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL IN BOT- TOM MA- TERIAL (UG/L)	LINDANE TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	MALA- THION, TOTAL (UG/L)	METHYL PARA- THION, TOTAL (UG/L)	METHYL TRI- THION, TOTAL (UG/L)	MIREX, TOTAL (UG/L)	PARA- THION, TOTAL (UG/L)	PER- THANE TOTAL (UG/L)	TOX- APHENE, TOTAL (UG/L)	TOXA- PHENE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL TRI- THION (UG/L)
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MAY 24...	.0	.00	.0	.00	.00	.00	.00	.00	.00	.00	0	0	.00
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PASCAGOULA AND ESCATAWPA RIVERS STUDY NEAR PASCAGOULA, MS--Continued

024R0208 - ESCATAWPA RIVER AT MI 0 NR ESCATAWPA, MS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

		SAMP- LING DEPTH (FT)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE, WATER (DEG C)	OXYGEN, DIS- SOLVED (MG/L)			
DATE	TIME								
MAY									
23...	1920	1.0	2700	6.7	25.0	4.7			
23...	1921	5.0	3000	6.7	25.0	4.3			
23...	1922	10	3050	6.7	25.0	4.3			
23...	1923	15	4000	6.7	24.5	4.0			
23...	1924	20	7800	6.7	24.5	2.5			
23...	1925	25	14700	6.7	24.0	1.2			
23...	1926	27	--	--	--	--			
24...	1135	1.0	950	7.0	25.0	6.3			
24...	1136	5.0	1970	6.8	24.5	4.8			
24...	1137	10	2080	6.8	24.0	4.6			
24...	1138	15	2570	6.8	24.0	3.9			
24...	1139	20	4200	6.8	24.0	3.0			
24...	1140	25	8040	6.8	24.0	1.5			
24...	1141	28	--	--	--	--			
DATE	TIME	OXYGEN DEMAND, BIOCHEM 5 DAY (MG/L)	COLI- FORM, FECAL, UNIFORM (COLS./ 100 ML)	STREP- TOCOCCI KF AGAR (COLS./ 100 ML)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRIE TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	
MAY									
23...	1930	2.4	3700	1400	.12	.01	.13	.39	
24...	1145	2.0	2100	250	.14	.01	.15	.28	
DATE	TIME	NITRO- GEN, AMMONIA TOTAL (MG/L AS NH4)	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)	NITRO- GEN, TOTAL (MG/L AS N(3))	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, ORTHOPH- OSPHATE TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
MAY									
23...		.47	2.2	2.6	2.7	12	.200	.02	17
24...		.34	1.3	1.6	1.8	7.7	.070	.02	12

30250708P34200 - PASCAGOULA RIVER AT MI 6

024R02082

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	SAMP- LING DEPTH (FT)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE, WATER (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
MAY						
23...	1850	1.0	760	6.9	24.5	6.7
23...	1851	5.0	1060	6.8	24.5	6.6
23...	1852	10	2450	6.8	25.0	5.3
23...	1853	15	2590	6.7	25.0	5.1
23...	1854	20	2590	6.7	25.0	5.0
24...	1055	1.0	980	7.1	24.5	6.6
24...	1056	5.0	2750	6.9	24.5	4.3
24...	1057	10	7580	7.0	24.5	3.9
24...	1058	15	>20000	7.3	24.0	3.5
24...	1059	20	>20000	7.4	24.0	3.5

ANALYSES OF SAMPLES COLLECTED DURING STUDIES AT SHORT-TERM WATER-QUALITY STATIONS

PASCAGOULA AND ESCATAWPA RIVERS STUDY NEAR PASCAGOULA, MS--Continued

30250708P342800 - PASCAGOULA RIVER AT MI 6

024802082

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	OXYGEN DEMAND, BIOCHEM 5 DAY (MG/L)	COLI- FORM, FECAL, 0.7 UNITS/100 ML	STREP- TOCOCI FECAL, KF AGAR (COLS. PER 100 ML)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, NITROGEN TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)
MAY								
23...	1855	2.1	3700	1400	.12	.01	.13	.22
24...	1100	1.8	1100	600	.10	.05	.15	.22

DATE	TIME	NITRO- GEN, AMMONIA TOTAL (MG/L AS NH4)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NH3)	PHOS- PHORUS, ORTHOPH TOTAL (MG/L AS P)	PHOS- PHORUS, ORGANIC TOTAL (MG/L AS C)
MAY								
23...	.27	2.0	2.2	2.5	10	.100	.02	13
24...	.27	1.8	2.0	2.2	9.5	.090	.02	9.0

30243008P350400 - PASCAGOULA RIVER AT MI 5

024802083

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	SAMP- LING DEPTH (FT)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE, WATER (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
MAY						
23...	1845	1.0	2480	6.8	24.5	5.7
23...	1846	5.0	2560	6.8	24.5	5.5
23...	1847	10	2600	6.8	25.0	5.5
23...	1848	15	3460	6.8	24.5	5.2
24...	1050	1.0	1450	7.1	24.5	6.3
24...	1051	5.0	3260	7.0	24.5	5.0
24...	1052	10	9800	7.2	24.0	4.8
24...	1053	13	--	--	--	--

30234508P343800 - PASCAGOULA RIVER AT MI 4

024802087

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	SAMP- LING DEPTH (FT)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE, WATER (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
MAY						
23...	1834	1.0	2750	6.9	24.5	6.2
23...	1835	5.0	2800	6.8	24.5	6.0
23...	1836	10	2980	6.8	24.5	5.8
23...	1837	15	3100	6.8	24.5	5.7
23...	1838	20	3070	6.8	25.0	5.7
23...	1839	22	--	--	--	--
24...	1039	1.0	3360	7.0	25.0	5.7
24...	1040	5.0	6600	7.1	24.5	5.3
24...	1041	10	>20000	7.5	24.0	2.8
24...	1042	15	>20000	7.6	23.5	1.6
24...	1043	20	>20000	7.7	23.5	1.3
24...	1044	22	--	--	--	--

PASCAGOULA AND ESCATAWPA RIVERS STUDY NEAR PASCAGOULA, MS--Continued

302345088343800 - PASCAGOULA RIVER AT MI 4

024802087

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (CCLS./ 100 ML)	STREP- TOCOCCEI FECAL, KF AGAR (COLS. PER 100 ML)	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)
MAY								
23...	1840	2.0	900	1000	.11	.01	.12	.16
24...	1045	1.5	160	160	.06	.03	.09	.21

DATE	NITRO- GEN, AMMONIA TOTAL (MG/L AS NH4)	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)	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, ORTHOPH PHOSPHATE TOTAL (MG/L AS P)	PHOS- PHORUS, ORTHOPH PHOSPHATE TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
MAY								
23...	.19	1.4	1.6	1.7	7.6	.080	.01	12
24...	.25	.99	1.2	1.3	5.7	.070	.05	8.0

302319088335400 - PASCAGOULA RIVER AT MI 3

024802091

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	SAMP- LING DEPTH (FT)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE, WATER (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
MAY						
23...	1820	1.0	3400	6.9	24.5	6.2
23...	1821	5.0	3340	6.9	24.5	6.0
23...	1822	10	3330	6.9	24.5	5.9
23...	1823	15	3350	6.9	25.0	6.1
23...	1824	20	3350	6.9	24.5	6.0
23...	1825	25	3370	6.9	25.0	6.1
23...	1826	30	3370	6.9	25.0	6.1
23...	1827	35	3350	6.9	25.0	6.1
23...	1828	40	3360	6.9	25.0	6.1
23...	1829	45	3350	6.9	25.0	5.9
23...	1830	49	--	--	--	--
24...	1025	1.0	3400	7.1	25.0	6.0
24...	1026	5.0	5400	7.2	24.5	5.7
24...	1027	10	>20000	7.4	23.5	2.0
24...	1028	15	>20000	7.7	23.5	1.4
24...	1029	20	>20000	7.7	23.0	1.9
24...	1030	25	>20000	7.7	23.5	1.3
24...	1031	30	>20000	7.7	23.0	1.0
24...	1032	35	>20000	7.7	23.0	.9
24...	1033	40	>20000	7.7	23.0	.9
24...	1034	45	>20000	7.7	23.0	.9
24...	1035	49	--	--	--	--

02480210 - PASCAGOULA RIVER AT HWY 90 AT PASCAGOULA, MISS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	SAMP- LING DEPTH (FT)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE, WATER (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
MAY						
23...	1807	1.0	4000	7.0	25.0	6.2
23...	1808	5.0	4230	7.0	25.0	6.1
23...	1809	10	4500	7.0	25.0	6.0
23...	1810	15	4600	7.0	25.0	6.1
23...	1811	20	6100	7.0	25.0	5.9
23...	1812	24	--	--	--	--
24...	1014	1.0	4020	7.4	25.0	6.8
24...	1015	5.0	14100	7.5	24.5	4.6
24...	1016	10	>20000	7.7	23.5	2.3
24...	1017	15	>20000	7.8	23.5	1.0
24...	1018	20	>20000	7.8	23.0	1.1
24...	1019	24	--	--	--	--

ANALYSES OF SAMPLES COLLECTED DURING STUDIES AT SHORT-TERM WATER-QUALITY STATIONS

PASCAGOULA AND ESCATAWPA RIVERS STUDY NEAR PASCAGOULA, MS--Continued

02480210 - PASCAGOULA RIVER AT HWY 90 AT PASCAGOULA, MISS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

		OXYGEN DEMAND, BIOCHEM 5 DAY (MG/L)	COLOR, FECAL, 0.7 UNIT/ML (COUS./ 100 ML)	STREP- TOCOCI FECAL, KF AGAR (COUS./ PER 100 ML)	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)			
DATE	TIME										
MAY											
23...	1815	2.0	500	170	.10	.01	.11	.10			
24...	1020	1.7	160	100	.04	.04	.08	.20			
		NITRO- GEN, AMMONIA TOTAL (MG/L AS NH4)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, AN- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, ORTHOPH- OSPHATE TOTAL (MG/L AS P)	PHOS- PHORUS, ORTHOPH- OSPHATE TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)		
MAY											
23...		.12	1.5	1.6	1.7	7.6	.150	.01	12		
24...		.24	1.2	1.4	1.5	6.6	.060	.04	4.0		
DATE	TIME	COLOR (PLAT- INUM COBALT UNITS)	HARD- NESS (MG/L AS CACO3)	HARD- NESS, NONCAR- BONATE (MG/L CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	
MAY											
24...	1430	20	2700	2500	170	550	4600	77	39	190	
		ALKAL- INITY (MG/L AS CACO3)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)	ARSENIC TOTAL IN BOT- TOM MA- TERIAL (UG/G AS AS)	
MAY											
24...	63	1300	8600	.4	4.6	16800	15400	22.8	2	0	
DATE	TIME	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CADMIUM RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	CHRO- MIUM, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	COPPER, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PR)	LEAD, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS PB)
MAY											
24...	0	<10	20	<10	15	<10	770	1200	18	20	
DATE	TIME	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY RECOV. FM BOT- TOM MA- TERIAL (UG/G AS HG)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI)	NICKEL, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS NI)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	ZINC, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS ZN)	PHENOLS (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVI- METRIC (MG/L)
MAY											
24...	140	10	<.5	.00	15	<10	40	<10	0	0	

PASCAGOULA AND ESCATAWPA RIVERS STUDY NEAR PASCAGOULA, MS--Continued

02480210 - PASCAGOULA RIVER AT HWY 90 AT PASCAGOULA, MISS.

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	PCB, TOTAL (UG/L)	PCB, IN BOT- TOM MA- TERIAL (UG/KG)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	ALDRIN, IN BOT- TOM MA- TERIAL (UG/KG)	CHLOR- DANE, TOTAL (UG/L)	CHLOR- DANE, IN BOT- TOM MA- TERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, IN BOT- TOM MA- TERIAL (UG/KG)
MAY 24...	1430	.0	130	.00	.00	.0	.0	0	.00	.0

DATE	TIME	DDE, TOTAL (UG/L)	DDE, IN BOT- TOM MA- TERIAL (UG/KG)	DDT, TOTAL (UG/L)	DDT, IN BOT- TOM MA- TERIAL (UG/KG)	DI- AZINON, TOTAL (UG/L)	DI- ELDRI, TOTAL (UG/L)	DI- ELDRI, IN BOT- TOM MA- TERIAL (UG/KG)	ENDO- SULFAN, TOTAL (UG/L)	E DRI, TOTAL (UG/L)	ENDRI, IN BOT- TOM MA- TERIAL (UG/KG)
MAY 24...	.00	.0	.00	.0	.0	.01	.00	.0	.00	.00	.0

DATE	ETHION, TOTAL (UG/L)	HEPTA- CHLOR, TOTAL (UG/L)	HEPTA- CHLOR, IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR, EPOXIDE TOTAL (UG/L)	HEPTA- CHLOR, EPOXIDE IN BOT- TOM MA- TERIAL (UG/KG)	LINDANE TOTAL (UG/L)	LINDANE IN BOT- TOM MA- TERIAL (UG/KG)	METHYL PARA- THION, TOTAL (UG/L)	METHYL THI- THION, TOTAL (UG/L)
MAY 24...	.00	.00	.0	.00	.0	.00	.0	.00	.00

DATE	TIME	WIREX, TOTAL (UG/L)	PARA- THION, TOTAL (UG/L)	PER- THANE, TOTAL (UG/L)	TOX- AFHENE, TOTAL (UG/L)	TOX- AFHENE, IN BOT- TOM MA- TERIAL (UG/KG)	TOX- AFHENE, TOTAL (UG/L)	TOX- AFHENE, IN BOT- TOM MA- TERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2,4,5-T, TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
MAY 24...	.00	.00	.00	.00	0	0	.00	.01	.00	.00	.00

02480212 - PASCAGOULA RIVER AT MI 1 AT PASCAGOULA, MS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	SAMP- LING DEPTH (FT)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MH/CM)	PH	TEMPER- ATURE, WATER (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
MAY						
23...	1745	1.0	5500	7.2	25.0	6.9
23...	1746	5.0	6760	7.1	25.0	6.4
23...	1747	10	7000	7.1	25.0	6.2
23...	1748	15	8060	7.2	24.5	6.1
23...	1749	20	>20000	7.6	24.0	3.8
23...	1750	25	>20000	7.7	23.0	1.4
23...	1751	30	>20000	7.7	22.5	1.3
23...	1752	35	>20000	7.7	22.5	1.2
23...	1753	40	>20000	7.7	22.5	1.1
23...	1754	44	--	--	--	--
24...	1005	1.0	8400	7.7	24.5	7.4
24...	1006	5.0	>20000	7.8	24.5	3.8
24...	1007	10	>20000	7.8	24.0	2.0
24...	1008	15	>20000	7.8	23.5	1.2
24...	1009	20	>20000	7.8	23.0	.9
24...	1010	25	>20000	7.8	23.0	.9
24...	1011	30	>20000	7.8	22.5	.9
24...	1012	35	>20000	7.8	22.5	.8
24...	1013	40	>20000	7.8	22.5	.6
24...	1014	44	--	--	--	--

ANALYSES OF SAMPLES COLLECTED DURING STUDIES AT SHORT-TERM WATER-QUALITY STATIONS

PASCAGOULA AND ESCATAWPA RIVERS STUDY NEAR PASCAGOULA, MS--Continued

02480215 - PASCAGOULA RIVER AT MI 0 AT PASCAGOULA, MS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

		SAMP- LING DEPTH (FT)	SFF- CIFIC CON- DUCT- ANCE (MICRO- PHOS)	PH (UNITS)	TEMPER- ATURE, WATER (DEG C)	OXYGEN, DIS- SOLVED (MG/L)		
DATE	TIME							
MAY								
23...	1705	1.0	7900	7.3	25.0	6.6		
23...	1706	5.0	8500	7.3	25.0	6.4		
23...	1707	10	10000	7.3	24.5	6.1		
23...	1708	15	13700	7.4	24.5	5.6		
23...	1709	20	20000	7.5	24.0	3.8		
23...	1710	25	>20000	7.4	23.0	5.5		
23...	1711	30	>20000	7.8	22.5	1.1		
23...	1712	35	>20000	7.8	22.0	1.1		
23...	1713	40	>20000	7.8	22.0	1.0		
23...	1714	44	--	--	--	--		
24...	0945	1.0	11200	8.2	24.5	8.2		
24...	0946	5.0	>20000	7.7	24.0	4.6		
24...	0947	10	>20000	7.7	23.5	2.5		
24...	0948	15	>20000	7.8	23.5	2.1		
24...	0949	20	>20000	7.8	23.0	1.8		
24...	0950	25	>20000	7.8	23.0	1.6		
24...	0951	30	>20000	7.7	23.0	1.0		
24...	0952	35	>20000	7.1	22.5	.9		
24...	0953	40	>20000	7.7	22.5	.8		
24...	0954	44	--	--	--	--		
DATE	TIME	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLI- FORM, FFCAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	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)
MAY								
23...	1715	2.0	210	220	.05	.04	.09	.20
24...	1000	2.0	140	84	.05	.05	.10	.19
DATE	AS NH4)	NITRO- GEN, AMMONIA TOTAL (MG/L	NITRO- GEN, ORGANIC TOTAL (MG/L	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L	NITRO- GEN, TOTAL (MG/L	NITRO- GEN, TOTAL (MG/L	PHOS- PHORUS, ORTHOPH OSPHATE TOTAL (MG/L	CARBON, ORGANIC TOTAL (MG/L
MAY								
23...	.24	1.3	1.5	1.6	7.0	.060	.03	3.9
24...	.23	.91	1.1	1.2	5.3	.060	.04	6.1

LITTLE TALLAHATCHIE RIVER STUDY NEAR NEW ALBANY, MS

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE, WATER (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
JUL						
30...	1745	49	108	7.8	33.0	7.9
30...	1800	49	105	--	32.5	7.9
30...	1900	49	105	--	32.0	7.7
30...	2000	49	107	--	31.0	7.7
30...	2100	49	107	--	30.0	7.6
30...	2200	49	107	--	29.0	7.7
30...	2300	49	109	--	28.5	7.7
30...	2400	49	110	--	27.5	7.6
31...	0100	49	110	--	26.5	7.7
31...	0200	49	110	--	26.0	7.5
31...	0300	49	112	--	25.5	7.5
31...	0400	49	112	--	25.0	7.3
31...	0500	49	112	--	24.0	7.3
31...	0600	49	115	--	23.5	7.3
31...	0700	49	115	--	23.0	7.5
31...	0730	49	120	7.6	23.0	7.9
31...	0800	49	115	--	23.0	7.8
31...	0830	49	112	7.6	24.0	7.9
31...	0900	49	115	--	24.5	7.8
31...	1000	49	115	--	26.5	7.6
31...	1100	50	115	--	28.5	7.6
31...	1200	50	115	--	29.5	7.5
31...	1300	50	125	7.7	30.5	7.3
31...	1400	50	120	--	32.5	7.3
31...	1500	51	115	--	33.0	7.1
31...	1545	51	110	7.8	33.0	7.0
31...	1600	51	110	--	33.0	7.2
31...	1700	50	112	--	33.5	7.2
31...	1800	50	115	8.1	33.0	7.3
31...	1900	50	115	--	32.0	7.6
31...	2000	50	115	--	31.0	7.8
31...	2100	50	120	8.0	29.5	8.4
31...	2200	50	120	--	29.0	8.0
31...	2300	50	120	--	28.5	8.0
31...	2400	50	115	--	27.5	8.0
AUG						
01...	0001	50	115	7.9	27.5	7.8
01...	0100	50	110	--	26.5	7.9
01...	0200	49	105	--	26.0	7.9
01...	0300	49	105	7.4	25.5	8.1
01...	0400	48	110	--	25.0	7.6
01...	0500	48	110	--	24.5	7.7
01...	0600	47	115	--	24.0	7.8
01...	0700	46	120	7.6	24.0	7.4
01...	0800	46	120	--	24.0	7.6
01...	0900	46	120	--	25.0	7.7
01...	0930	46	125	7.7	25.5	7.5
01...	1000	46	120	--	26.5	7.4
01...	1100	46	115	--	27.0	7.4
01...	1200	46	115	7.7	28.0	7.3
01...	1300	47	115	--	28.5	7.3
01...	1400	48	110	--	29.5	7.3
01...	1500	49	110	--	30.0	7.1
01...	1545	50	110	7.7	30.0	7.1
01...	1600	50	110	--	30.0	7.3
01...	1700	49	110	--	30.0	7.5
01...	1800	49	115	8.0	29.5	8.0
01...	1900	49	110	--	28.5	8.0
01...	2000	49	105	--	28.0	7.8
01...	2100	49	100	7.4	27.0	7.7
01...	2200	49	100	--	26.0	7.8
01...	2300	50	105	--	25.5	7.7
01...	2400	50	110	--	25.0	8.0
02...	0001	51	112	7.7	25.0	8.1
02...	0100	53	110	--	24.5	8.2
02...	0200	55	100	--	24.0	8.3
02...	0300	58	95	7.5	23.5	8.5
02...	0400	58	100	--	23.0	8.4
02...	0500	58	100	--	22.0	8.3
02...	0600	57	105	--	22.0	8.0
02...	0700	57	110	7.3	22.0	7.9
02...	0800	57	110	--	22.0	7.9
02...	0900	56	110	--	23.0	7.6
02...	1000	55	110	--	25.0	7.9
02...	1030	55	110	7.4	25.5	8.0
02...	1100	55	110	--	27.0	7.9
02...	1200	54	110	--	28.0	7.7
02...	1230	54	110	7.4	28.0	7.5
02...	1300	54	110	--	29.5	7.5

ANALYSES OF SAMPLES COLLECTED DURING STUDIES AT SHORT-TERM WATER-QUALITY STATIONS

LITTLE TALLAHATCHIE RIVER STUDY NEAR NEW ALBANY, MS--Continued

07266010 - LITTLE TALLAHATCHIE RIVER NEAR NEW ALBANY, MS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

		STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCTI- VANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE, WATER (DEG C)	OXYGEN, DIS- SOLVED (MG/L)			
DATE	TIME								
AUG									
02...	1400	54	110	--	30.0	7.0			
02...	1500	53	110	--	31.5	7.0			
02...	1545	53	108	7.6	31.5	6.8			
02...	1600	54	105	--	31.5	7.0			
02...	1700	55	105	--	31.0	7.2			
02...	1800	55	105	7.4	30.0	7.2			
02...	1900	55	95	--	28.5	7.4			
02...	2000	55	95	--	28.0	7.3			
02...	2100	56	98	7.4	28.0	7.3			
02...	2200	59	98	--	27.0	7.3			
02...	2300	62	125	--	26.0	7.3			
02...	2400	63	90	--	25.0	7.3			
03...	0001	63	86	7.5	24.5	7.4			
03...	0100	--	80	--	24.0	7.4			
03...	0200	--	80	--	23.0	7.4			
03...	0300	--	85	--	23.0	7.3			
03...	0400	--	85	--	22.5	7.2			
03...	0500	--	85	--	22.0	7.2			
03...	0600	--	85	--	22.0	7.1			
03...	0700	--	90	--	22.0	7.1			
03...	0800	--	95	--	22.0	7.4			
DATE	TIME	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	CULI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	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)	
JUL									
31...	0730	3	.4	580	1100	.12	.00	.12	
31...	1300	2	.6	220	200	.11	.01	.12	
31...	1800	3	.8	520	320	.10	.01	.11	
AUG									
01...	0001	2	--	3700	1000	.11	.01	.12	
01...	0700	2	.5	500	1100	.12	.01	.13	
01...	1200	0	.6	560	390	.23	.01	.24	
01...	1800	5	.8	460	400	.07	.01	.08	
02...	0001	6	.6	2400	1200	.08	.01	.09	
02...	0700	13	.9	3600	K14000	.12	.01	.13	
02...	1230	8	.5	K1300	1200	.08	.01	.09	
02...	1800	17	.6	K1200	860	.09	.00	.09	
03...	0001	61	3.6	K12000	K35000	.18	.02	.20	
DATE		NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS NH4)	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)	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, ORTHOPH- OSPHATE TOTAL (MG/L AS P)
JUL									
31...		.00	.00	.37	.37	.49	2.2	.050	.02
31...		.00	.00	.07	.07	.19	.84	.040	.02
31...		.00	.00	.07	.07	.18	.80	.050	.02
AUG									
01...		.00	.00	.27	.27	.39	1.7	.050	.03
01...		.01	.01	.01	.02	.15	.66	.050	.01
01...		.00	.00	.04	.04	.28	1.2	.040	.00
01...		.00	.00	.20	.20	.28	1.2	.050	.01
02...		.00	.00	.11	.11	.20	.89	.060	.02
02...		.04	.05	.22	.26	.39	1.7	.140	.01
02...		.04	.05	.11	.15	.24	1.1	.070	.01
02...		.01	.01	.20	.21	.30	1.3	.070	.02
03...		.05	.06	1.3	1.3	1.5	6.6	.430	.04

ANALYSES OF SAMPLES COLLECTED DURING STUDIES AT SHORT-TERM WATER-QUALITY STATIONS

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LITTLE TALLAHATCHIE RIVER STUDY NEAR NEW ALBANY, MS--Continued

07266520 - LITTLE TALLAHATCHIE RIVER AT NEW ALBANY, MS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

		STREAM- FLOW, INSTAN- TANEOUS (CFS)		SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE, WATER (DEG C)	OXYGEN, DIS- SOLVED (MG/L)			
DATE	TIME									
AUG										
01...	0730	48		145	7.7	24.0	7.3			
01...	1000	48		150	7.8	26.0	7.3			
01...	1300	48		145	7.8	27.5	7.4			
01...	1600	50		150	7.8	29.5	7.0			
01...	1845	50		130	8.0	30.5	7.6			
01...	2130	50		125	7.5	28.0	7.6			
02...	0045	50		122	7.8	26.5	8.0			
02...	0330	56		125	7.8	25.0	8.2			
02...	0730	60		135	7.5	21.5	7.3			
DATE	TIME	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVFL) (MG/L)	OXYGEN DEMAND, BIOCHEM 5 DAY (MG/L)	COLI- FORM, FECAL, 0.7 UM=MF (COLS./ 100 ML)	STREP- TOCOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	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)		
AUG										
01...	0730	3	.4	820	720	.12	.01	.13		
01...	1300	0	.4	460	290	.13	.01	.14		
01...	1845	3	.6	440	290	.08	.01	.09		
02...	0045	6	.5	540	660	.08	.01	.09		
02...	0730	13	1.0	3000	9000	.11	.02	.13		
DATE	TIME	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS NH4)	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)	NITRO- GEN, TOTAL (MG/L AS NH3)	PHOS- PHORUS, ORTHOPH- OSPHATE TOTAL (MG/L AS P)	PHOS- PHORUS, ORTHOPH- OSPHATE TOTAL (MG/L AS P)	
AUG										
01...		.00	.00	.20	.20	.33	1.5	.050	.02	
01...		.00	.00	.03	.03	.17	.75	.040	.01	
01...		.00	.00	.09	.09	.18	.80	.050	.03	
02...		.00	.00	.13	.13	.22	.97	.060	.02	
02...		.04	.05	.22	.26	.39	1.7	.130	.00	

LITTLE TALLAHATCHIE RIVER STUDY NEAR NEW ALBANY, MS--Continued

07266860 - LITTLE TALLAHATCHIE RIVER NR INGOMAR, MS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE, WATER (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
JUL						
30...	1900	54	170	7.9	30.5	8.1
30...	2000	54	170	--	30.0	8.1
30...	2100	54	170	--	29.5	8.1
30...	2200	54	170	--	29.0	8.1
30...	2300	56	170	--	28.5	8.0
30...	2400	56	170	--	28.0	7.9
31...	0100	57	170	--	27.5	7.8
31...	0200	57	170	--	26.5	7.6
31...	0300	57	170	--	26.0	7.6
31...	0400	58	170	--	26.0	7.5
31...	0500	59	170	--	25.5	7.4
31...	0600	59	170	7.6	25.0	7.3
31...	0700	60	170	--	24.5	7.5
31...	0800	60	170	--	25.0	7.8
31...	0900	61	170	7.8	26.0	7.8
31...	1000	61	170	--	27.0	7.8
31...	1100	61	170	--	29.0	7.7
31...	1200	61	170	7.9	30.0	7.6
31...	1300	61	170	--	31.5	7.6
31...	1400	60	170	--	32.5	7.6
31...	1500	60	170	8.0	33.0	7.6
31...	1600	60	175	--	33.0	7.5
31...	1700	60	175	--	33.0	7.5
31...	1800	60	175	--	32.5	7.7
31...	1845	59	170	8.3	31.5	7.6
31...	1900	59	170	--	31.5	7.3
31...	2000	59	160	--	30.5	7.2
31...	2100	59	160	--	30.0	7.1
31...	2130	59	155	8.1	29.5	7.1
31...	2200	59	165	--	29.0	7.0
31...	2300	59	165	--	29.0	7.0
31...	2400	59	165	--	28.5	7.1
AUG						
01...	0045	60	170	8.0	28.5	7.3
01...	0100	60	170	--	28.0	7.3
01...	0200	60	165	--	27.5	7.2
01...	0300	60	155	--	27.0	7.3
01...	0330	61	155	7.5	26.5	7.5
01...	0400	61	160	--	26.0	7.2
01...	0500	62	165	--	26.0	7.3
01...	0600	62	170	7.8	25.5	7.0
01...	0700	62	170	--	25.5	7.1
01...	0800	63	170	--	25.5	7.3
01...	0900	64	175	7.8	26.0	7.2
01...	1000	64	175	--	27.5	7.4
01...	1100	64	175	--	28.0	7.5
01...	1130	64	175	7.9	28.5	7.5
01...	1200	64	170	--	29.0	7.6
01...	1300	63	170	--	29.0	7.6
01...	1400	62	170	--	29.0	7.5
01...	1500	62	170	8.0	29.5	7.5
01...	1600	62	170	--	29.5	7.7
01...	1700	62	170	--	29.5	7.6
01...	1800	62	170	--	29.0	7.5
01...	1900	61	170	--	28.5	7.6
01...	1915	61	175	8.2	28.0	7.8
01...	2000	61	175	--	27.5	7.7
01...	2100	61	175	--	27.0	7.4
01...	2200	61	175	7.7	26.5	7.5
01...	2300	61	175	--	26.0	7.4
01...	2400	61	175	--	26.0	7.4
02...	0100	61	175	--	25.5	7.4
02...	0115	61	175	7.9	25.0	7.6
02...	0200	60	175	--	25.0	7.4
02...	0300	60	175	--	24.5	7.4
02...	0400	62	175	7.8	24.5	7.9
02...	0500	64	170	--	23.5	7.6
02...	0600	66	170	7.7	23.0	7.6
02...	0700	67	170	--	23.0	7.7
02...	0800	68	170	--	23.5	7.7
02...	0900	69	170	7.7	24.5	7.9
02...	1000	69	170	--	25.5	8.1
02...	1100	69	170	--	27.5	8.1
02...	1200	68	175	7.7	29.0	8.1
02...	1300	69	175	--	30.0	8.1
02...	1400	67	175	--	31.5	8.0
02...	1500	66	170	7.9	31.5	7.8
02...	1600	66	170	--	31.5	7.7
02...	1700	66	170	--	30.5	7.8

LITTLE TALLAHATCHIE RIVER STUDY NEAR NEW ALBANY, MS--Continued

07266860 - LITTLE TALLAHATCHIE RIVER NR INCONAR, MS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

		STREAM- FLOW, INSTANT- TANENUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH	TEMPER- ATURE, WATER (DEG C)	OXYGEN, DIS- SOLVED (MG/L)		
DATE	TIME			(UNITS)				
AUG								
02...	1800	66	170	--	29.0	7.6		
02...	1815	67	170	7.7	28.5	7.5		
02...	1900	65	170	--	28.0	7.4		
02...	2000	66	170	--	28.0	7.0		
02...	2100	66	170	--	27.5	6.9		
02...	2130	66	170	7.7	27.0	7.0		
02...	2200	65	170	--	27.0	6.8		
02...	2300	64	170	--	26.5	6.8		
02...	2400	63	170	--	26.0	7.0		
03...	0045	62	150	7.5	26.0	6.9		
03...	0100	--	155	--	25.5	7.1		
03...	0200	--	185	--	24.0	7.1		
03...	0300	--	160	--	23.5	7.0		
03...	0400	--	155	--	23.0	7.0		
03...	0500	--	155	--	23.0	6.9		
03...	0600	--	155	--	22.5	6.9		
03...	0700	--	155	--	22.5	6.8		
03...	0745	--	155	--	22.5	7.0		
DATE	TIME	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEM 5 DAY UNINHIB (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCCT FECAL, KF AGAR (COLS. PER 100 ML)	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)
JUL								
31...	0600	3	1.0	2100	800	.21	.04	.25
31...	1200	5	.8	800	120	.16	.02	.18
31...	1845	3	1.3	5100	120	.20	.03	.23
AUG								
01...	0045	5	1.2	2300	390	.22	.04	.26
01...	0600	2	.8	1500	400	.21	.03	.24
01...	1130	1	.8	1200	130	.16	.02	.18
01...	1915	4	1.1	3500	100	.17	.03	.20
02...	0115	7	1.0	6600	540	.20	.04	.24
02...	0600	9	.8	2500	520	.17	.03	.20
02...	1200	10	.8	2500	1200	.13	.02	.15
02...	1815	19	1.2	2900	450	.18	.02	.20
03...	0045	33	2.0	6000	4300	.14	.02	.16
DATE		NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS NH4)	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)	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, ORTHOPH USPHATE TOTAL (MG/L AS P)
JUL								
31...	.06	.07	.15	.21	.46	2.0	.140	.08
31...	.00	.00	.19	.19	.37	1.6	.120	.07
31...	.01	.01	.17	.18	.41	1.8	.160	.11
AUG								
01...	.04	.05	.14	.18	.44	1.9	.150	.09
01...	.04	.05	.39	.43	.67	3.0	.140	.09
01...	.00	.00	.24	.24	.42	1.9	.120	.07
01...	.01	.01	.23	.24	.44	1.9	.160	.10
02...	.06	.07	.33	.39	.63	2.8	.160	.09
02...	.08	.10	.18	.26	.46	2.0	.150	.06
02...	.05	.06	.19	.24	.39	1.7	.140	.04
02...	.05	.06	.40	.45	.65	2.9	.150	.09
03...	.07	.08	.80	.87	1.0	4.6	.310	.08

ANALYSES OF SAMPLES COLLECTED DURING STUDIES AT SHORT-TERM WATER-QUALITY STATIONS

LITTLE TALLAHATCHIE RIVER STUDY NEAR NEW ALBANY, MS--Continued

07266P60 - LITTLE TALLAHATCHIE RIVER NR INGMAR, MS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	COLOR (PLAT- INUM COBALT UNITS)	TUR- PID- ITY (NTU)	HARD- NESS (MG/L AS CACO3)	HARD- NESS, NONCAL- RONATE (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)	SODIUM AD- SORP- TION RATIO	BICAR- BONATE (MG/L AS HCO3)	CAR- BONATE (MG/L AS CO3)	ALKA- LITY (MG/L AS CACO3)	
AUG 02...	1815	25	30	75	6	26	2.5	6.3	.3	85	0	70	
DATE		CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF DUST- TUENTS, DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)	SOLIDS, DIS- SOLVED (TONS PER DAY)	ARSENIC TOTAL IN BOT- TOM MA- TERIAL (UG/L AS AS)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	
AUG 02...	2.7	8.6	7.1	.1	10	110	102	<.15	19.9	2	0	0	
DATE		CADMIUM RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/G)	COBALT, TOTAL RECOV- ERABLE (UG/L AS CO)	COPALT, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CU)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	COPPER, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PR)	LEAD, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS PB)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)
AUG 02...	<10	20	10	1	<10	4	<10	2300	3300	10	<10	70	
DATE		MANGA- NESE, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY RECOV. FM BOT- TOM MA- TERIAL (UG/G AS HG)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI)	NICKEL, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS NI)	SELE- NIUM, TOTAL RECOV- ERABLE (UG/L AS SE)	SELE- NIUM, TOTAL RECOV- ERABLE (UG/G)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	ZINC, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS ZN)	PHENOLS (UG/L)	OIL AND GREASE, TOTAL RECOV- ERABLE (MG/L)	
AUG 02...	170	<.5	.00	3	<10	0	0	30	<10	0	0		

LITTLE TALLAHATCHIE RIVER STUDY NEAR NEW ALBANY, MS--Continued

07266860 - LITTLE TALLAHATCHIE RIVER NR INGOMAH, MS.

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	NAPH- THA- LEMES, POLY- CHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	CHLOR- DANE, TOTAL (UG/L)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDE, TOTAL (UG/L)
AUG 02...	1815	.0	0	.00	.00	.0	.0	0	.00	.0	.00

DATE	DDE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- AZINON, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	DI- AZINON, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- ELDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	DI- ELDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDO- SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
AUG 02...	.0	.00	.4	.02	.0	.00	.0	.00	.00	.0

DATE	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR, TOTAL (UG/L)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR EPOXIDE TOT. IN BOTTOM MATEL. (UG/L)	HEPTA- CHLOR EPOXIDE TOT. IN BOTTOM MATEL. (UG/KG)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	MALA- THION, TOTAL (UG/L)	MALA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
AUG 02...	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0

DATE	METH- OXY- CHLOR, TOT. IN BOTTOM MATEL. (UG/L)	METH- OXY- CHLOR, TOT. IN BOTTOM MATEL. (UG/KG)	METHYL PARA- THION, TOT. IN BOTTOM MATEL. (UG/L)	METHYL PARA- THION, TOT. IN BOTTOM MATEL. (UG/KG)	METHYL TRI- THION, TOT. IN BOTTOM MATEL. (UG/L)	METHYL TRI- THION, TOT. IN BOTTOM MATEL. (UG/KG)	MIREX, TOTAL (UG/L)	PARA- THION, TOTAL (UG/L)	PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	PER- THANE TOTAL (UG/L)
AUG 02...	.00	.0	.00	.0	.00	.0	.00	.00	.0	.00

DATE	TOX- APHENE, TOTAL (UG/L)	TOX- APHENE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	TRI- THION, TOTAL (UG/L)	TRI- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2,4-D, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	2,4,5-T TOTAL (UG/L)	2,4,5-T TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	SILVEX, TOTAL (UG/L)	SILVEX, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
AUG 02...	0	0	.00	.0	.21	0	.08	0	.00	.0

ANALYSES OF SAMPLES COLLECTED DURING STUDIES AT SHORT-TERM WATER-QUALITY STATIONS

TILLATOBA AND SOUTH FORK TILLATOBA CREEKS STUDY NEAR CHARLESTON, MS

07200270 - TILLATOBA CREEK BELLS DAM, MISS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	STREAM- FLOW, INSTA- MENTOUS (CFS)	SPE- CIFIC CON- DUCTI- VITY, ARCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE, WATER (DEG C)	OXYGEN, DTS- SOLVED (MG/L)	OXYGEN DEMAND, BIOCHEM 5 DAY (MG/L)
AUG							
13...	1630	5.2	92	8.7	28.5	10.1	--
13...	1700	5.2	--	--	27.5	9.7	--
13...	1800	5.2	--	--	26.5	8.7	--
13...	1900	5.2	--	--	25.5	7.3	--
13...	2000	5.2	--	--	24.5	6.3	--
13...	2100	5.2	--	--	23.5	5.7	--
13...	2200	5.2	--	--	23.5	5.6	--
13...	2300	5.2	--	--	23.5	5.7	--
13...	2400	5.2	--	--	23.5	5.8	--
14...	0100	5.2	--	--	23.5	5.8	--
14...	0200	5.1	--	--	23.0	5.9	--
14...	0300	5.1	--	--	23.0	6.0	--
14...	0400	5.1	--	--	22.5	6.1	--
14...	0500	5.1	--	--	22.5	6.1	--
14...	0600	5.1	--	--	22.5	6.1	--
14...	0700	5.1	--	--	22.0	6.2	--
14...	0800	5.1	--	--	22.0	6.5	--
14...	0900	5.0	--	--	23.0	7.9	--
14...	1000	5.0	--	--	24.0	9.5	--
14...	1030	5.0	92	7.9	25.5	9.9	--
14...	1100	5.0	--	--	26.0	10.1	--
14...	1200	5.0	--	--	26.5	10.4	--
14...	1300	5.1	--	--	27.0	10.3	--
14...	1400	5.1	--	--	28.5	10.2	--
14...	1500	5.1	--	--	28.0	9.9	--
14...	1600	5.1	--	--	28.0	9.8	--
14...	1700	5.2	--	--	28.0	9.7	--
14...	1800	5.2	--	--	27.5	9.1	--
14...	1900	5.2	--	--	26.5	8.0	--
14...	2000	5.2	--	--	26.0	7.0	--
14...	2100	5.2	--	--	25.5	6.4	--
14...	2200	5.2	--	--	25.0	6.3	--
14...	2300	5.2	--	--	24.5	6.4	--
14...	2400	5.2	--	--	24.0	6.4	--
15...	0100	5.1	--	--	23.5	6.5	--
15...	0200	5.1	--	--	23.0	6.6	--
15...	0300	5.1	--	--	23.0	6.7	--
15...	0400	5.1	--	--	22.5	6.8	--
15...	0500	5.1	--	--	22.5	6.8	--
15...	0600	5.1	--	--	22.0	6.9	--
15...	0700	5.0	--	--	22.0	7.1	--
15...	0800	5.0	--	--	22.5	8.1	--
15...	0900	5.0	--	--	24.0	9.1	--
15...	0930	5.0	90	7.5	24.0	9.6	--
15...	1000	5.0	--	--	25.5	9.9	--
15...	1100	5.0	--	--	27.0	10.4	--
15...	1200	5.0	--	--	28.5	10.7	--
15...	1300	4.9	80	8.6	31.5	10.8	--
15...	1400	4.9	--	--	29.5	11.0	--
15...	1500	4.9	--	--	29.5	11.0	--
15...	1600	4.9	--	--	29.5	10.6	--
15...	1700	4.9	--	--	29.0	10.0	--
15...	1800	4.9	--	--	28.5	9.4	--
15...	1900	4.9	--	--	27.5	8.5	--
15...	2000	4.9	--	--	27.0	7.4	--
15...	2100	5.0	--	--	26.5	6.8	--
15...	2200	5.0	--	--	25.5	6.6	--
15...	2300	5.0	--	--	25.0	6.6	--
15...	2400	5.0	--	--	25.0	6.7	--
16...	0100	5.0	--	--	25.0	6.8	--
16...	0200	5.0	--	--	24.5	6.8	--
16...	0300	5.0	--	--	24.0	6.8	--
16...	0400	5.1	--	--	23.5	6.9	--
16...	0500	5.1	--	--	23.5	6.9	--
16...	0600	5.1	--	--	23.5	7.0	--
16...	0700	5.1	--	--	23.5	7.1	--
16...	0800	5.1	--	--	23.5	7.5	--
16...	0900	5.1	90	7.5	23.5	8.5	2.1
SEP							
18...	1530	5.4	--	--	25.0	8.2	--
18...	1600	5.4	--	--	25.0	8.1	--
18...	1700	5.4	--	--	25.0	7.8	--
18...	1800	5.2	--	--	25.0	7.5	--
18...	1900	5.2	--	--	25.0	7.1	--
18...	2000	5.2	--	--	24.5	6.6	--
18...	2100	5.2	--	--	24.5	6.5	--
18...	2200	5.2	--	--	24.5	6.5	--
18...	2300	5.1	--	--	24.5	6.5	--
18...	2400	5.1	--	--	24.5	6.6	--

TILLATOBA AND SOUTH FORK TILLATOBA CREEKS STUDY NEAR CHARLESTON, MS--Continued

07280270 - TILLATOBA CREEK BELOW OAKLAND, MISS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE, WATER (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)
SEP							
19...	0100	5.1	--	--	24.5	6.7	--
19...	0200	5.1	--	--	24.5	6.7	--
19...	0300	5.1	--	--	24.0	6.8	--
19...	0400	5.1	--	--	24.0	6.8	--
19...	0500	4.9	--	--	24.0	6.9	--
19...	0600	4.9	--	--	24.0	6.9	--
19...	0700	4.9	--	--	24.0	7.0	--
19...	0800	4.9	--	--	24.0	7.2	--
19...	0900	4.9	--	--	24.0	7.8	--
19...	1000	4.9	--	--	24.0	8.0	--
19...	1100	4.9	--	--	24.5	8.4	--
19...	1200	4.9	--	--	24.5	8.6	--
19...	1300	4.9	--	--	25.0	8.6	--
19...	1400	4.9	--	--	25.5	8.6	--
19...	1500	4.9	--	--	25.5	8.4	--
19...	1600	4.9	--	--	25.5	8.1	--
19...	1700	4.9	--	--	25.5	7.6	--
19...	1730	4.9	--	--	25.0	7.0	.2

07280272 - TILLATOBA CREEK EAST OF CHARLESTON, MS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE, WATER (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)
AUG							
13...	1830	5.0	102	7.8	28.0	10.9	--
13...	1900	5.1	--	--	28.0	10.3	--
13...	2000	5.2	--	--	27.0	9.1	--
13...	2100	5.2	--	--	27.0	8.5	--
13...	2200	5.2	--	--	26.0	8.1	--
13...	2300	5.2	--	--	26.0	7.8	--
13...	2400	5.2	--	--	26.0	7.6	--
14...	0100	5.2	--	--	26.0	7.5	--
14...	0200	5.2	--	--	25.5	7.5	--
14...	0300	5.2	--	--	25.0	7.4	--
14...	0400	5.2	--	--	25.0	7.4	--
14...	0500	5.2	--	--	25.0	7.5	--
14...	0600	5.2	--	--	24.5	7.5	--
14...	0700	5.2	--	--	24.5	7.7	--
14...	0800	5.2	--	--	24.0	8.1	--
14...	0900	5.2	--	--	24.0	8.7	--
14...	1000	5.2	--	--	25.0	9.1	--
14...	1045	5.2	100	7.3	26.0	9.3	--
14...	1100	5.2	--	--	26.0	9.4	--
14...	1200	5.2	--	--	26.5	10.1	--
14...	1300	5.2	--	--	27.0	10.3	--
14...	1400	5.2	--	--	28.0	10.4	--
14...	1500	5.3	--	--	30.0	10.4	--
14...	1515	5.3	100	7.8	30.0	10.4	--
14...	1600	5.3	--	--	30.5	10.3	--
14...	1700	5.2	100	7.7	30.5	10.0	--
14...	1800	5.2	--	--	29.5	9.4	--
14...	1900	5.2	--	--	28.5	8.4	--
14...	2000	5.2	--	--	28.0	7.4	--
14...	2100	5.2	--	--	27.0	6.6	--
14...	2200	5.2	--	--	26.5	6.4	--
14...	2300	5.2	--	--	26.5	6.3	--
14...	2400	5.3	--	--	26.0	6.1	--
15...	0100	5.3	--	--	26.0	5.9	--
15...	0200	5.3	--	--	25.5	5.9	--
15...	0300	5.3	--	--	25.5	5.9	--
15...	0400	5.3	--	--	25.0	5.9	--
15...	0500	5.3	--	--	25.0	5.9	--
15...	0600	5.3	--	--	25.0	5.9	--

ANALYSES OF SAMPLES COLLECTED DURING STUDIES AT SHORT-TERM WATER-QUALITY STATIONS

TILLATOBA AND SOUTH FORK TILLATOBA CREEKS STUDY NEAR CHARLESTON, MS--Continued

07280272 - TILLATOBA CREEK EAST OF CHARLESTON, MS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	STRAVE- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MOS)	PH (UNITS)	TEMPER- ATURE, WATER (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)
AUG							
15...	0700	5.3	--	--	25.0	6.0	--
15...	0800	5.3	--	--	25.0	6.3	--
15...	0900	5.3	--	--	25.0	7.0	--
15...	0950	5.3	100	7.1	25.5	7.9	--
15...	1000	5.3	--	--	26.0	8.6	--
15...	1100	5.3	--	--	27.0	9.2	--
15...	1200	5.3	--	--	28.0	9.7	--
15...	1300	5.2	--	--	29.0	10.2	--
15...	1330	5.2	100	7.7	30.0	10.3	--
15...	1400	5.2	--	--	30.5	10.4	--
15...	1500	5.2	--	--	30.5	10.4	--
15...	1600	5.2	--	--	30.0	9.2	--
15...	1700	5.2	--	--	30.0	9.8	--
15...	1800	5.2	--	--	29.0	9.2	--
15...	1900	5.2	--	--	28.0	8.5	--
15...	2000	5.2	--	--	27.5	7.8	--
15...	2100	5.3	--	--	27.0	7.1	--
15...	2200	5.4	--	--	26.5	6.8	--
15...	2300	5.4	--	--	26.0	6.5	--
15...	2400	5.4	--	--	25.5	6.4	--
16...	0100	5.4	--	--	25.5	6.2	--
16...	0200	5.4	--	--	25.0	6.2	--
16...	0300	5.4	--	--	25.0	6.0	--
16...	0400	5.4	--	--	25.0	6.0	--
16...	0500	5.4	--	--	25.0	6.0	--
16...	0600	5.4	--	--	24.5	6.0	--
16...	0700	5.4	--	--	24.5	6.0	--
16...	0800	5.4	--	--	24.5	6.1	--
16...	0900	5.4	--	--	25.0	6.4	--
16...	1000	5.4	90	7.3	26.0	7.4	2.5
SEP							
18...	1700	5.5	--	--	23.0	7.1	--
18...	1800	5.5	--	--	23.0	6.7	--
18...	1900	5.5	--	--	23.0	6.4	--
18...	2000	5.5	--	--	23.0	6.2	--
18...	2100	5.5	--	--	23.0	6.1	--
18...	2200	5.6	--	--	23.0	6.0	--
18...	2300	5.6	--	--	23.0	6.0	--
18...	2400	5.6	--	--	23.0	6.0	--
19...	0100	5.6	--	--	23.0	6.1	--
19...	0200	5.6	--	--	23.0	6.1	--
19...	0300	5.6	--	--	23.0	6.1	--
19...	0400	5.6	--	--	23.0	6.2	--
19...	0500	5.7	--	--	23.0	6.2	--
19...	0600	5.7	--	--	23.0	6.3	--
19...	0700	5.7	--	--	23.0	6.4	--
19...	0800	5.7	--	--	23.0	6.7	--
19...	0900	5.7	--	--	23.0	7.1	--
19...	0945	5.7	--	--	23.0	7.5	--
19...	1000	5.7	--	--	23.0	7.6	--
19...	1100	5.6	--	--	23.5	7.9	--
19...	1200	5.6	--	--	24.0	8.5	--
19...	1300	5.6	--	--	24.5	9.2	--
19...	1400	5.5	--	--	25.0	9.7	--
19...	1500	5.5	--	--	25.0	9.9	--
19...	1600	5.5	--	--	25.0	10.0	--
19...	1700	5.4	--	--	24.5	9.8	--
19...	1800	5.4	--	--	24.0	9.5	.7

TILLATOBA AND SOUTH FORK TILLATOBA CREEKS STUDY NEAR CHARLESTON, MS--Continued

07280330 - SOUTH FORK TILLATOBA CREEK NEAR TILLATOBA, MISS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	STREAM- FLOW, INSTAN- TANFOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE, WATER (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)
AUG							
13...	2145	5.8	93	7.1	28.0	8.0	--
13...	2200	5.8	--	--	--	7.9	--
13...	2300	5.8	--	--	--	7.9	--
13...	2400	5.8	--	--	--	7.9	--
14...	0100	5.8	--	--	--	7.9	--
14...	0200	5.8	--	--	--	8.0	--
14...	0300	5.8	--	--	--	8.1	--
14...	0400	5.8	--	--	--	8.2	--
14...	0500	5.8	--	--	--	8.2	--
14...	0600	5.6	--	--	--	8.2	--
14...	0700	5.6	--	--	--	8.2	--
14...	0800	5.6	--	--	--	8.3	--
14...	0900	5.6	--	--	--	8.5	--
14...	1000	5.6	--	--	--	8.7	--
14...	1100	5.6	--	--	--	8.8	--
14...	1150	5.6	80	7.3	27.0	8.8	--
14...	1200	5.6	--	--	--	8.8	--
14...	1300	5.4	--	--	--	8.7	--
14...	1400	5.4	--	--	--	8.4	--
14...	1445	5.4	80	7.3	31.5	8.4	--
14...	1500	5.4	--	--	--	8.4	--
14...	1600	5.4	--	--	--	8.3	--
14...	1630	5.4	80	7.2	31.0	8.3	--
14...	1700	5.4	--	--	--	8.2	--
14...	1800	5.4	--	--	--	7.7	--
14...	1900	5.4	--	--	--	7.2	--
14...	2000	5.4	--	--	--	7.0	--
14...	2100	5.4	--	--	--	6.7	--
14...	2200	5.4	--	--	--	6.7	--
14...	2300	5.4	--	--	--	6.7	--
14...	2400	5.4	--	--	--	6.7	--
15...	0100	5.4	--	--	--	6.8	--
15...	0200	5.4	--	--	--	6.9	--
15...	0300	5.4	--	--	--	7.0	--
15...	0400	5.4	--	--	--	7.1	--
15...	0500	5.6	--	--	--	7.1	--
15...	0600	5.6	--	--	--	7.3	--
15...	0700	6.1	--	--	--	7.5	--
15...	0800	6.5	--	--	--	7.7	--
15...	0900	6.9	--	--	--	8.0	--
15...	1000	6.9	--	--	--	8.2	--
15...	1035	7.6	80	7.2	25.5	8.3	--
15...	1100	7.2	--	--	--	8.3	--
15...	1200	6.9	--	--	--	8.3	--
15...	1300	6.9	--	--	--	8.3	--
15...	1400	6.9	--	--	--	8.3	--
15...	1430	6.9	80	7.2	30.0	8.3	--
15...	1500	6.7	--	--	30.0	8.2	--
15...	1600	6.7	--	--	30.0	7.9	--
15...	1700	6.7	--	--	29.0	7.7	--
15...	1800	6.5	--	--	28.0	7.6	--
15...	1900	6.5	--	--	27.0	7.3	--
15...	2000	6.5	--	--	25.5	7.1	--
15...	2100	6.5	--	--	24.5	6.9	--
15...	2200	6.3	--	--	24.0	6.7	--
15...	2300	6.3	--	--	23.5	6.8	--
15...	2400	6.3	--	--	23.5	6.8	--
16...	0100	6.3	--	--	23.5	6.8	--
16...	0200	6.1	--	--	23.5	6.8	--
16...	0300	6.1	--	--	23.0	6.8	--
16...	0400	6.1	--	--	23.0	6.8	--
16...	0500	5.8	--	--	23.0	6.8	--
16...	0600	5.8	--	--	23.0	6.8	--
16...	0700	5.8	--	--	23.0	6.7	--
16...	0800	5.6	--	--	23.0	6.9	--
16...	0900	5.4	--	--	23.0	7.2	--
16...	1000	5.2	--	--	24.0	7.7	--
16...	1100	5.0	80	7.2	24.5	8.2	2.5
SEP							
18...	1830	8.1	--	--	22.0	6.9	--
18...	1900	8.1	--	--	--	6.9	--
18...	2000	8.1	--	--	--	6.9	--
18...	2100	7.9	--	--	--	6.8	--
18...	2200	7.8	--	--	--	6.8	--
18...	2300	7.7	--	--	--	6.7	--
18...	2400	7.6	--	--	--	6.7	--
19...	0100	7.5	--	--	--	6.6	--
19...	0200	7.4	--	--	--	6.5	--
19...	0300	7.3	--	--	--	6.5	--

ANALYSES OF SAMPLES COLLECTED DURING STUDIES AT SHORT-TERM WATER-QUALITY STATIONS

TILLATOBA AND SOUTH FORK TILLATOBA CREEKS STUDY NEAR CHARLESTON, MS--Continued

07250330 - SOUTH FORK TILLATOBA CREEK NEAR TILLATOBA, MISS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	STREAM- FLOW, INSTANT- TAVEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE, WATER (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)
SEP							
19...	0400	7.2	--	--	--	6.5	--
19...	0500	7.1	--	--	--	6.6	--
19...	0600	7.0	--	--	--	6.6	--
19...	0700	6.9	--	--	--	6.7	--
19...	0800	6.8	--	--	--	6.9	--
19...	0900	6.7	--	--	--	7.2	--
19...	1000	6.6	--	--	--	7.6	--
19...	1030	6.6	--	--	22.5	7.9	--
19...	1100	6.6	--	--	--	7.9	--
19...	1200	6.6	--	--	--	7.9	--
19...	1300	6.5	--	--	--	7.9	--
19...	1400	6.5	--	--	--	8.1	--
19...	1500	6.5	--	--	--	8.0	--
19...	1600	6.5	--	--	--	7.8	--
19...	1700	6.4	--	--	--	7.4	--
19...	1800	6.4	--	--	--	6.9	--
19...	1845	6.4	--	--	23.0	6.5	1.1

07250340 - SOUTH FORK TILLATOBA CREEK NW CHARLESTON, MS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	STREAM- FLOW, INSTAN- TAVEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE, WATER (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)
AUG							
13...	1945	7.1	95	7.2	27.5	8.2	--
13...	2000	7.1	--	--	--	8.1	--
13...	2100	7.1	--	--	--	7.8	--
13...	2200	7.1	--	--	--	7.7	--
13...	2300	7.1	--	--	--	7.5	--
13...	2400	7.1	--	--	--	7.4	--
14...	0100	7.1	--	--	--	7.3	--
14...	0200	7.1	--	--	--	7.3	--
14...	0300	7.1	--	--	--	7.3	--
14...	0400	7.1	--	--	--	7.3	--
14...	0500	7.2	--	--	--	7.4	--
14...	0600	7.2	--	--	--	7.4	--
14...	0700	7.2	--	--	--	7.6	--
14...	0800	7.2	--	--	--	8.1	--
14...	0900	7.2	--	--	--	8.2	--
14...	1000	7.2	--	--	--	8.4	--
14...	1100	7.2	90	7.2	27.0	8.5	--
14...	1200	7.1	--	--	27.5	8.5	--
14...	1300	7.1	--	--	29.0	8.6	--
14...	1400	7.1	--	--	30.0	8.7	--
14...	1500	7.1	90	7.1	31.5	8.6	--
14...	1600	7.2	--	--	31.5	8.3	--
14...	1640	7.2	90	7.2	31.5	8.1	--
14...	1700	7.2	--	--	31.0	8.0	--
14...	1800	7.2	--	--	30.5	7.8	--
14...	1900	7.2	--	--	30.0	7.4	--
14...	2000	7.2	--	--	29.0	7.0	--
14...	2100	7.2	--	--	28.5	6.8	--
14...	2200	7.2	--	--	28.0	6.7	--
14...	2300	7.2	--	--	28.0	6.7	--
14...	2400	7.3	--	--	27.5	6.6	--
15...	0100	7.3	--	--	27.0	6.6	--
15...	0200	7.3	--	--	26.5	6.6	--
15...	0300	7.3	--	--	26.0	6.5	--
15...	0400	7.4	--	--	26.0	6.6	--
15...	0500	7.4	--	--	25.0	6.7	--
15...	0600	7.4	--	--	25.0	6.7	--
15...	0700	7.4	--	--	24.5	6.8	--
15...	0800	7.4	--	--	24.5	7.0	--

TILLATOBA AND SOUTH FORK TILLATOBA CREEKS STUDY NEAR CHARLESTON, MS--Continued

07280340 - SOUTH FORK TILLATOBA CREEK NR CHARLESTON, MS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCTI- ANCE (MICHO- MHOS)	PH (UNITS)	TEMPER- ATURE, WATER (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, BIOCHEM INHIB 5 DAY (MG/L)
AUG							
15...	0900	7.4	--	--	25.0	7.4	--
15...	1000	7.4	--	--	26.0	7.7	--
15...	1010	7.4	90	7.2	26.0	7.8	--
15...	1100	7.4	--	--	27.0	7.9	--
15...	1200	7.4	--	--	28.0	8.2	--
15...	1300	7.4	--	--	29.5	8.4	--
15...	1355	7.4	90	7.6	30.5	8.6	--
15...	1400	7.4	--	--	30.5	8.6	--
15...	1500	7.4	--	--	31.0	8.6	--
15...	1600	7.4	--	--	31.5	8.5	--
15...	1700	7.4	--	--	31.0	8.1	--
15...	1800	7.4	--	--	30.5	7.3	--
15...	1900	7.4	--	--	30.5	7.1	--
15...	2000	7.4	--	--	29.5	7.0	--
15...	2100	7.4	--	--	29.0	6.8	--
15...	2200	7.4	--	--	29.0	6.8	--
15...	2300	7.4	--	--	28.5	6.8	--
15...	2400	7.4	--	--	28.0	6.8	--
16...	0100	7.4	--	--	28.0	6.9	--
16...	0200	7.4	--	--	27.5	6.9	--
16...	0300	7.4	--	--	27.0	6.9	--
16...	0400	7.4	--	--	27.0	7.0	--
16...	0500	7.4	--	--	26.5	7.0	--
16...	0600	7.4	--	--	26.0	7.2	--
16...	0700	7.4	--	--	26.0	7.3	--
16...	0800	7.4	--	--	25.5	7.5	--
16...	0900	7.4	--	--	25.0	7.7	--
16...	1000	7.4	--	--	25.5	7.9	--
16...	1030	7.4	80	--	25.5	8.0	2.2
SEP							
18...	1700	16	--	--	23.5	7.4	--
18...	1800	15	--	--	23.5	7.4	--
18...	1900	15	--	--	23.5	7.4	--
18...	2000	15	--	--	23.0	7.4	--
18...	2100	14	--	--	23.0	7.3	--
18...	2200	14	--	--	23.0	7.3	--
18...	2300	13	--	--	22.5	7.3	--
18...	2400	13	--	--	22.5	7.3	--
19...	0100	12	--	--	22.0	7.3	--
19...	0200	12	--	--	22.0	7.3	--
19...	0300	12	--	--	22.0	7.3	--
19...	0400	11	--	--	22.0	7.3	--
19...	0500	11	--	--	22.0	7.2	--
19...	0600	11	--	--	22.0	7.2	--
19...	0700	10	--	--	21.5	7.1	--
19...	0800	10	--	--	21.5	7.1	--
19...	0900	9.6	--	--	22.0	7.2	--
19...	1000	9.3	--	--	22.0	7.2	--
19...	1100	9.1	--	--	22.5	7.3	--
19...	1200	8.9	--	--	23.0	7.3	--
19...	1300	8.8	--	--	24.0	7.4	--
19...	1400	8.6	--	--	24.0	7.4	--
19...	1500	8.4	--	--	24.0	7.4	--
19...	1600	8.2	--	--	24.0	7.3	--
19...	1700	8.0	--	--	24.0	7.3	--
19...	1800	8.0	--	--	23.5	7.2	--
19...	1830	8.0	--	--	23.5	7.2	2.2

GROUND-WATER LEVELS

ADAMS COUNTY

313554091201201. Local number, D1.

LOCATION.--Lat 31°35'54", long 91°20'12", Hydrologic Unit 08060204, sec.14, T.7 N., R.2 W., 5 mi (8 km) northeast of center of Natchez at power plant.

Owner: Mississippi Power and Light Co.

AQUIFER.--Sands of Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in (30 cm), depth 456 ft (139 m).

DATUM.--Land-surface datum is 192 ft (59 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of concrete base, 1.50 ft (0.46 m) above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 89.50 ft (27.28 m) below land-surface datum, Oct. 29, 1975; lowest measured, 102.97 ft (31.39 m) below land-surface datum, Aug. 30, 1977.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 11	93.56	JAN 24	95.78	MAR 17	90.50	JUL 12	96.07
DEC 5	93.50	FEB 7	99.26	MAR 29	95.79	AUG 21	96.40

313256091214201. Local number, D10.

LOCATION.--Lat 31°32'56", long 91°21'42", Hydrologic Unit 08060204, NW¼NW¼ Lot 87, T.7 N., R.2 W., 2 mi (3.2 km) east of center of Natchez on Liberty Rd.

Owner: Johns Manville Co.

AQUIFER.--Sands of Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in (30 cm), depth 436 ft (133 m), cased to 392 ft (119 m).

DATUM.--Land-surface datum is 116.92 ft (35.64 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, at land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 58.62 ft (17.87 m) below land-surface datum, Mar. 31, 1962; lowest measured, 80.18 ft (24.44 m) below land-surface datum, July 25, 1963.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 11	73.37	DEC 10	73.30	FEB 15	71.40	JUL 12	70.78
NOV 10	74.80	JAN 24	71.62	MAR 29	71.04	AUG 22	71.90

312936091294201. Local number, F50.

LOCATION.--Lat 31°29'36", long 91°29'42", Hydrologic Unit 08060204, SW¼SW¼ sec.2, T.6 N., R.4 W., 8 mi (13 km) southwest of center of Natchez on east bank of Mississippi River. Owner: International Paper Co.

AQUIFER.--Mississippi River Valley alluvium of Pleistocene and Holocene age.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 4 in (10 cm), depth 152 ft (46 m).

DATUM.--Land-surface datum is 67.97 ft (20.72 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.00 ft (0.61 m) above land-surface datum.

PERIOD OF RECORD.--October 1962 to November 1974, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 12.18 ft (3.71 m) below land-surface datum, June 6, 1978; lowest measured, 38.58 ft (11.76 m) below land-surface datum, Jan. 28, 1964.

Measurement discontinued.

312730091200602. Local number, G7.

LOCATION.--Lat 31°27'30", long 91°20'06", Hydrologic Unit 08060205, NE¼NW¼ Lot 41, T.6 N., R.2 W., 8 mi (13 km) southeast of center of Natchez on Kingston Rd.

Owner: Adams County Water Association.

AQUIFER.--Sands of Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 10 in (25 cm), depth 267 ft (81 m), cased to 217 ft (66 m).

DATUM.--Land-surface datum is about 220 ft (67 m) National Geodetic Vertical Datum of 1929. Measuring point: Air vent in pump base, 3.00 ft (0.91 m) above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 41.03 ft (12.51 m) below land-surface datum, Mar. 30, 1979; lowest measured, 58.20 ft (17.74 m) below land-surface datum, Oct. 29, 1975.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 11	57.05	MAR 30	41.03

GROUND-WATER LEVELS

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ADAMS COUNTY--Continued

312752091202201. Local number, G21.

LOCATION.--Lat 31°27'52", long 91°20'22", Hydrologic Unit 08060205, NE¼NW¼ Lot 41, T.6 N., R.2 W., 8 mi (13 km) southeast of center of Natchez on Kingston Rd.

Owner: Adams County Water Association.

AQUIFER.--Sands of Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10 cm), depth 880 ft (268 m), cased to 840 ft (256 m).

DATUM.--Land-surface datum is about 223 ft (68 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, at land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 162.00 ft (49.38 m) below land-surface datum, June 5, 1975; lowest measured, 171.68 ft (52.33 m) below land-surface datum, Mar. 30, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 11	169.34	MAR 30	171.68

312735091201301. Local number, G23.

LOCATION.--Lat 31°27'35", long 91°20'13", Hydrologic Unit 08060205, Lot 41, T.6 N., R.2 W., 8 mi (13 km) southeast of center of Natchez on Kingston Rd.

Owner: Adams County Water Association.

AQUIFER.--Sands of Miocene age.

WELL CHARACTERISTICS.--Drilled public supply artesian well, diameter 12 in (30 cm), depth 878 ft (268 m), cased to 838 ft (255 m).

DATUM.--Land-surface datum is about 226 ft (69 m) National Geodetic Vertical Datum of 1929. Measuring point: Air vent east side of pump base, 3.00 ft (0.91 m) above land-surface datum.

PERIOD OF RECORD.--August 1974, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 165.00 ft (50.29 m) below land-surface datum, Aug. 16, 1974; lowest measured, 173.13 ft (52.77 m) below land-surface datum, Oct. 11, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 11	173.13	MAR 30	172.04

ALCORN COUNTY

345545088311002. Local number, G3.

LOCATION.--Lat 34°55'45", long 88°31'10", Hydrologic Unit 08010207, NW¼NW¼ sec.12, T.2 S., R.7 E., 0.5 mi (0.8 km) south of center of Corinth.

Owner: City of Corinth.

AQUIFER.--Coffee Sand of Selma Group of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in (30 cm), depth 245 ft (75 m).

DATUM.--Land-surface datum is 432 ft (132 m) National Geodetic Vertical Datum of 1929. Measuring point: Air vent on railroad side of pump base, 2.00 ft (0.61 m) above land-surface datum.

PERIOD OF RECORD.--September 1961, September 1963, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.60 ft (1.71 m) below land-surface datum, Sept. 27, 1961; lowest measured, 11.80 ft (3.60 m) below land-surface datum, Oct. 18, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 18	11.80	APR 9	9.00

GROUND-WATER LEVELS

ALCORN COUNTY--Continued

345456088313001. Local number, G57.

LOCATION.--Lat 34°54'56", long 88°31'30", Hydrologic Unit 08010207, NW¼NW¼ sec.13, T.2 S., R.7 E., 1 mi (1.6 km) south of center of Corinth.
 Owner: City of Corinth.

AQUIFER.--Rocks of Paleozoic age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in (30 cm), depth 453 ft (138 m), cased to 410 ft (125 m).

DATUM.--Land-surface datum is 463 ft (141 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.00 ft (0.30 m) above land-surface datum.

REMARKS.--Water levels affected by nearby pumping.

PERIOD OF RECORD.--August 1962 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 100.9 ft (30.8 m) below land-surface datum, Oct. 17, 1962; lowest, 224.4 ft (68.4 m) below land-surface datum, Sept. 22, 1974.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	---	200.3	---	---	197.25	188.85	188.48	182.20	196.44	---	---	---
10	---	199.4	---	---	196.73	189.44	188.55	184.65	---	---	---	---
15	202.7	200.4	---	---	193.40	189.25	188.00	187.80	---	---	---	---
20	201.8	201.3	---	---	192.30	188.65	187.48	191.70	---	---	---	---
25	200.2	---	---	---	191.20	---	185.95	194.20	---	---	---	---
EOM	200.1	---	---	196.8	190.18	188.67	185.42	195.10	---	---	---	---

345604088321902. Local number, G101.

LOCATION.--Lat 34°56'04", long 88°32'19", Hydrologic Unit 08010207, SW¼SW¼ sec.2, T.2 S., R.7 E., 2 mi (3.2 km) west of center of Corinth, 0.2 mi (0.3 km) north of Ramada Inn.

Owner: City of Corinth.

AQUIFER.--Rocks of Paleozoic age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in (30 cm), depth 520 ft (158 m), cased to 460 ft (140 m).

DATUM.--Land-surface datum is about 480 ft (146 m) National Geodetic Vertical Datum of 1929. Measuring point: Hole in well head, 1.00 ft (0.30 m) above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 153.00 ft (46.63 m) below land-surface datum, Mar. 14, 1974; lowest measured, 199.00 ft (60.66 m) below land-surface datum, Feb. 11, 1972.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 19	185.31	APR 9	184.00

344642088340501. Local number, K11.

LOCATION.--Lat 34°46'42", long 88°34'05", Hydrologic Unit 08010207, NW¼NE¼ sec.33, T.3 S., R.7 E., 3 mi (4.8 km) northwest of center of Rienzi, 0.5 mi (0.8 km) west of U.S. Highway 45.

Owner: C. B. Curlee.

AQUIFER.--Rocks of Paleozoic age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10 cm), depth reported 574 ft (175 m), cased to 478 ft (146 m).

DATUM.--Land-surface datum is about 460 ft (140 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 1.50 ft (0.46 m) above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 89.00 ft (27.13 m) below land-surface datum, Dec. 17, 1961; lowest measured, 112.76 ft (34.37 m) below land-surface datum, Apr. 9, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 18	111.51	APR 9	112.76

ALCORN COUNTY--Continued

34464208833001. Local number, K53.

LOCATION.--Lat 34°46'42", long 88°33'30", Hydrologic Unit 08010207, SW¼NW¼ sec.34, T.3 S., R.7 W., 2.5 mi (4.0 km) northwest of center of Rienzi on U.S. Highway 45 at roadside park.

Owner: Mississippi State Highway Department.

AQUIFER.--Coffee Sand of Selma Group of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10 cm), depth 210 ft (64 m), cased to 190 ft (57.9 m).

DATUM.--Land-surface datum is about 450 ft (137 m) National Geodetic Vertical Datum of 1929. Measuring point:

Top of casing, 1.00 ft (0.30 m) above land-surface datum.

PERIOD OF RECORD.--July 1973, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 39.37 ft (12.00 m) below land-surface datum, July 19, 1973; lowest measured, 43.66 ft (13.31 m) below land-surface datum, Oct. 18, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 18	43.66	APR 9	40.90

ATTALA COUNTY

330713089365401. Local number, G1.

LOCATION.--Lat 33°07'13", long 89°36'54", Hydrologic Unit 08060201, NW¼NE¼ sec.31, T.15 N., R.7 W., 4.5 mi (7.2 km) northwest of center of Kosciusko on State Highway 35.

Owner: Fred Turnipseed.

AQUIFER.--Meridian Sand Member of Tallahatta Formation of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 2 in (5.1 cm), depth 337 ft (103 m).

DATUM.--Land-surface datum is about 360 ft (110 m) National Geodetic Vertical Datum of 1929. Measuring point:

Jet pipe, 1.00 ft (0.30 m) above land-surface datum.

PERIOD OF RECORD.--June 1962 to January 1963, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 37.90 ft (11.55 m) below land-surface datum, Mar. 31, 1976; lowest measured, 41.07 ft (12.52 m) below land-surface datum, June 10, 1962.

Measurement discontinued.

330713089365402. Local number, G13.

LOCATION.--Lat 33°07'13", long 89°36'53", Hydrologic Unit 08060201, NW¼NE¼ sec.31, T.15 N., R.7 E., 4.5 mi (7.2 km) northwest of center of Kosciusko on State Highway 35. Owner: Fred Turnipseed.

AQUIFER.--Winona Sand of middle Eocene age.

WELL CHARACTERISTICS.--Dug unused artesian well, diameter 30 in (76 cm), depth 22 ft (6.7 m).

DATUM.--Land-surface datum is about 361 ft (110 m) National Geodetic Vertical Datum of 1929. Measuring point:

Top of hole in concrete cap, 1.00 ft (0.30 m) above land-surface datum.

PERIOD OF RECORD.--January 1963, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 8.94 ft (2.72 m) below land-surface datum, Mar. 31, 1976; lowest measured, 15.22 ft (4.64 m) below land-surface datum, Jan. 11, 1963.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL
AUG 8	12.67

330110089455001. Local number, K22.

LOCATION.--Lat 33°01'10", long 89°45'50", Hydrologic Unit 08060201, SW¼SW¼ sec.35, T.14 N., R.5 E., at center of Sallis.

Owner: Town of Sallis.

AQUIFER.--Sand of Tallahatta Formation of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 2 in (5.1 cm), depth reported 356 ft (109 m), cased to about 300 ft (91 m).

DATUM.--Land-surface datum is about 280 ft (85 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 3/4-in (1.90-cm) pipe (since May 22, 1957), 1.30 ft (0.40 m) above land-surface datum.

PERIOD OF RECORD.--1913, June 1957 to April 1963, May 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 30 ft (9.14 m) above land-surface datum, 1913; lowest measured, 1.08 ft (0.33 m) above land-surface datum, Apr. 28, 1977.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL
MAY 3	3.34	AUG 8	1.50

ATTALA COUNTY--Continued

330328089365901. Local number, M8.

LOCATION.--Lat 33°03'28", long 89°36'59", Hydrologic Unit 03180001, NE¼ sec.20, T.14 N., R.7 E., 0.2 mi (0.3 km) northwest of center of Kosciusko on Adams St.

Owner: Barnett Moving Company (formerly Pet Milk Co.).

AQUIFER.--Meridian Sand Member of Tallahatta Formation of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 16 in (41 cm), depth 456 ft (139 m).

DATUM.--Land-surface datum is about 423 ft (129 m) National Geodetic Vertical Datum of 1929. Measuring point: Air vent in pump base, 1.70 ft (0.52 m) above land-surface datum.

PERIOD OF RECORD.--March 1962, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 107.10 ft (32.64 m) below land-surface datum, Mar. 13, 1962; lowest measured, 124.08 ft (37.82 m) below land-surface datum, Apr. 28, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL
AUG 8	122.12

330330089354401. Local number, M29.

LOCATION.--Lat 33°03'30", long 89°35'44", Hydrologic Unit 03180001, SW¼NW¼ sec.21, T.14 N., R.7 E., 0.1 mi (0.2 km) west of center of Kosciusko on Jefferson St.

Owner: City of Kosciusko.

AQUIFER.--Meridian Sand Member of Tallahatta Formation of Middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in (30 cm), depth 387 ft (118 m), cased to 367 ft (112 m).

DATUM.--Land-surface datum is about 472 ft (144 m) National Geodetic Vertical Datum of 1929. Measuring point: Air vent in pump base, 1.00 ft (0.30 m) above land-surface datum.

PERIOD OF RECORD.--March 1962, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 148.70 ft (45.32 m) below land-surface datum, Mar. 13, 1962; lowest measured, 165.73 ft (50.51 m) below land-surface datum, Apr. 28, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL
AUG 8	165.17

330241089270501. Local number, N13.

LOCATION.--Lat 33°02'41", long 89°27'05", Hydrologic Unit 03180001, SE¼NW¼ sec.26, T.14 N., R.8 E., 8 mi (13 km) east of center of Kosciusko on north side of State Highway 14.

Owner: Houston Veasey.

AQUIFER.--Neshoba Sand Member of Tallahatta Formation of middle Eocene age.

WELL CHARACTERISTICS.--Dug unused artesian well, diameter 30 in (76 cm), depth 30 ft (9.1 m).

DATUM.--Land-surface datum is about 510 ft (155 m) National Geodetic Vertical Datum of 1929. Measuring point: Inside lip of curb, 2.00 ft (0.61 m) above land-surface datum.

PERIOD OF RECORD.--March 1958 to March 1959, June 1962, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 20.86 ft (6.36 m) below land-surface datum, Mar. 12, 1959; lowest measured, 23.18 ft (7.07 m) below land-surface datum, Aug. 8, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL
AUG 8	23.18

325844089462701. Local number, Q14.

LOCATION.--Lat 32°58'44", long 89°46'27", Hydrologic Unit 08060201, NE¼SW¼ sec.15, T.13 N., R.5 E., 3.1 mi (5.0 km) south of center of Sallis on west side of State Highway 429.

Owner: Tom Aldy.

AQUIFER.--Sand of Tallahatta Formation of middle Eocene age.

WELL CHARACTERISTICS.--Drilled domestic artesian well, diameter 2 in (5.1 cm), depth 409 ft (125 m).

DATUM.--Land-surface datum is about 290 ft (88 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 2-in (5.1-cm) casing, 1.80 ft (0.55 m) above land-surface datum.

PERIOD OF RECORD.--June 1957 to July 1959, June 1962, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.37 ft (0.11 m) below land-surface datum, Mar. 13, 1958; lowest measured, 4.71 ft (1.44 m) below land-surface datum, Aug. 8, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL
AUG 8	4.71

GROUND-WATER LEVELS

331

ATTALA COUNTY--Continued

325901089333901. Local number, S1.

LOCATION.--Lat 32°59'01", long 89°33'39", Hydrologic Unit 03180001, SE¼NE¼ sec.13, T.13 N., R.7 E., 5 mi (8 km) south of center of Kosciusko on east side of State Highway 35.

Owner: United Gas Co.

AQUIFER.--Sand of Tallahatta Formation of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10 cm), depth 220 ft (67 m).

DATUM.--Land-surface datum is about 492 ft (150 m) National Geodetic Vertical Datum of 1929. Measuring point:

Top of 4-in (10-cm) casing, 0.50 ft (0.15 m) above land-surface datum.

PERIOD OF RECORD.--October 1961 to June 1962, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 97.20 ft (29.63 m) below land-surface datum, Apr. 29, 1976; lowest measured, 101.77 ft (31.02 m) below land-surface datum, Oct. 2, 1961.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL
APR 8	98.80

325902089333901. Local number, S21.

LOCATION.--Lat 32°59'02", long 89°33'39", Hydrologic Unit 03180001, SE¼NE¼ sec.15, T.13 N., R.7 E., 5 mi (8 km) south of center of Kosciusko on east side of State Highway 35.

Owner: United Gas Co.

AQUIFER.--Meridian Sand Member of Tallahatta Formation of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 8 in (20 cm), depth 360 ft (110 m), cased to 340 ft (104 m).

DATUM.--Land-surface datum is about 488 ft (149 m) National Geodetic Vertical Datum of 1929. Measuring point:

Top of 8-in (20-cm) casing, 0.50 ft (0.15 m) above land-surface datum.

PERIOD OF RECORD.--October 1961, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 157 ft (48 m) below land-surface datum, Oct. 1961; lowest measured, 168.47 ft (51.35 m) below land-surface datum, Aug. 8, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL
AUG 8	168.47

BOLIVAR COUNTY

335630090461501. Local number, D31.

LOCATION.--Lat 33°56'30", long 90°46'15", Hydrologic Unit 08030207, SW¼NE¼ sec.12, T.24 N., R.6 W., 0.1 mi (0.2 km) west of center of Shelby at old waterworks.

Owner: Town of Shelby.

AQUIFER.--Meridian Sand Member of Tallahatta Formation of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in (30 cm), depth 1,575 ft (480 m).

DATUM.--Land-surface datum is 147 ft (45 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of air vent hole in pump base, 1.30 ft (0.40 m) above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.40 ft (0.12 m) above land-surface datum, May 11, 1977; lowest measured, 4.45 ft (1.36 m) below land-surface datum, Oct. 20, 1976.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL
APR 26	0.17

335558090465202. Local number, D32.

LOCATION.--Lat 33°55'58", long 90°46'52", Hydrologic Unit 08030207, SE¼NE¼ sec.14, T.24 N., R.6 W., 1.5 mi (2.4 km) southwest of center of Shelby on State Highway 32 at park.

Owner: Town of Shelby.

AQUIFER.--Sand of Cockfield Formation of Claiborne Group of middle Eocene age. WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10 cm), depth reported 409 ft (125 m).

DATUM.--Land-surface datum is about 150 ft (46 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 4-in (10-cm) casing plug, 0.30 ft (0.09 m) above land-surface datum.

PERIOD OF RECORD.--September 1949, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 24.18 ft (7.37 m) below land-surface datum, Feb. 11, 1976; lowest measured, 27.54 ft (8.39 m) below land-surface datum, Apr. 26, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL
APR 26	27.54

GROUND-WATER LEVELS

BOLIVAR COUNTY--Continued

334957090564301. Local number, F20.

LOCATION.--Lat 33°49'57", long 90°56'43", Hydrologic Unit 08030207, NE¼NW¼ sec.20, T.23 N., R.7 W., 5 mi (8 km) southeast of center of Rosedale on south side of State Highway 8.

Owner: R. C. Malone.

AQUIFER.--Mississippi River Valley alluvium of Pleistocene and Holocene age.

WELL CHARACTERISTICS.--Drilled irrigation water-table well, diameter 16 in (41 cm), depth 120 ft (37 m), screened 80-120 ft (24-37 m), cased to 80 ft (24 m).

DATUM.--Land-surface datum is about 145 ft (44 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.15 ft (0.05 m) above land-surface datum.

REMARKS.--Water levels affected by seasonal irrigation pumping.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 14.99 ft (4.57 m) below land-surface datum, Apr. 7, 1959; lowest measured, 57.32 ft (17.47 m) below land-surface datum, Sept. 7, 1955.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL
APR 26	23.62

334700090584501. Local number, J8.

LOCATION.--Lat 33°47'00", long 90°58'45", Hydrologic Unit 08030207, SW¼NE¼ sec.27, T.22 N., R.8 W., near center of Beulah.

Owner: Town of Beulah.

AQUIFER.--Sparta Sand of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled public-supply artesian well diameter 8 in (20 cm), depth 754 ft (230 m).

DATUM.--Land-surface datum is about 145 ft (44 m) above National Geodetic Vertical Datum of 1929. Measuring point: Top of air vent in pump base 2.50 ft (0.76 m) above land-surface datum.

PERIOD OF RECORD.--October 1968, March 1971, April 1979 to current.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 27 ft (8.23 m) below land-surface datum, Oct. 1, 1968; lowest measured, 28.76 ft (8.77 m) below land-surface datum, Apr. 26, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL
APR 26	28.76

334708090584101. Local number, J135.

LOCATION.--Lat 33°47'08", long 90°58'41", Hydrologic Unit 08030207, SW¼NE¼ sec.27, T.22 N., R.8 W., 0.2 mi (0.3 km) southeast of center of Beulah at gin.

Owner: Town of Beulah.

AQUIFER.--Meridian Sand Member of Tallahatta Formation of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 8 in (20 cm), depth 1,760 ft (536 m), screened 1,710-1,760 ft (521-536 m).

DATUM.--Land-surface datum is 146.31 ft (44.60 m) National Geodetic Vertical Datum of 1929. Measuring point: 1/4-in (0.64-cm) gate valve (since Nov. 8, 1974), 1.00 ft (0.30 m) above land-surface datum.

PERIOD OF RECORD.--May 1939 to October 1963, April 1970 to April 1972, November 1974 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 30.3 ft (9.2 m) above land-surface datum, Apr. 2, 1942; lowest measured, 6.45 ft (1.97 m) above land-surface datum, Apr. 26, 1979.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL
APR 26	6.45

334106090590902. Local number, N2.

LOCATION.--Lat 33°41'06", long 90°59'09", Hydrologic Unit 08030207, SE¼NW¼ sec.34, T.21 N., R.8 W., 2.5 mi (4.0 km) northeast of center of Benoit on east side of State Highway 1.

Owner: Welshans and Litton.

AQUIFER.--Mississippi River Valley alluvium of Pleistocene and Holocene age.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 14 in (36 cm), depth 96 ft (29 m).

DATUM.--Land-surface datum is about 135 ft (41 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.70 ft (0.20 m) above land-surface datum.

REMARKS.--Water levels affected by seasonal irrigation pumping.

PERIOD OF RECORD.--November 1953 to October 1963, January 1965 to October 1966, April 1976 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 3.53 ft (1.08 m) below land-surface datum, May 13, 1958; lowest measured, 24.36 ft (7.42 m) below land-surface datum, July 22, 1955.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL
APR 26	17.32

BOLIVAR COUNTY--Continued

333959090435001. Local number, Q150.

LOCATION.--Lat 33°39'59", long 90°43'50", Hydrologic Unit 08030207, NE&SE& sec.17, T.21 N., R.5 W., at O'Reilly at gin.

Owner: Jones Bayou Gin Association.

AQUIFER.--Meridian Sand Member of Tallahatta Formation of middle Eocene age.

WELL CHARACTERISTICS.--Drilled domestic artesian well, diameter 3-2 in (7.6-5.1 cm), depth 1,310 ft (399 m), cased to 1,310 ft (399 m).

DATUM.--Land-surface datum is 133.66 ft (40.74 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 3/4-in pipe (1.90-cm), 1.00 ft (0.30 m) above land-surface datum.

PERIOD OF RECORD.--May 1939 to October 1968, April 1970 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 20.10 ft (6.13 m) above land-surface datum, May 30, 1939; lowest measured, 7.24 ft (2.21 m) below land-surface datum, Apr. 26, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL
APR 26	7.24

333530090582401. Local number, R64.

LOCATION.--Lat 31°35'30", long 90°58'24", Hydrologic Unit 08030209, SE&SE& sec.12, T.20 N., R.8 W., at Stringtown.

Owner: H and H Planting Co.

AQUIFER.--Cockfield Formation of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 10 in (25 cm), depth 520 ft (158 m).

DATUM.--Land-surface datum is 133 ft (41 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of air vent in pump base, 1.8 ft (.55 m) above land-surface datum.

PERIOD OF RECORD.--May 1939, November 1960, October 1976 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 18.8 ft (5.7 m) below land-surface datum, May 5, 1939; lowest measured, 35.94 ft (10.95 m) below land-surface datum, June 8, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL
APR 26	35.61

CALHOUN COUNTY

340042089112601. Local number, E4.

LOCATION.--Lat 34°00'42", long 89°11'26", Hydrologic Unit 08030205, SW&NW& sec. 27, T.12 S., R.1 E., 9 mi (14 km) north of center of Vardaman.

Owner: D. R. Davis

AQUIFER.--Sand of Eutaw Formation of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 11 in (28 cm), depth 1,390 ft (424 m), cased to 1,800 ft (549 m).

DATUM.--Land surface datum is about 350 ft (107 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 2-in (5-cm) pipe, 0.8 ft (0.24 m) above land-surface datum.

PERIOD OF RECORD.--October 1959 to April 1963, October 1976 to current year.

EXTREMES FOR PERIOD OF RECORDS.--Highest water level measured, 130.79 ft (39.86 m) below landsurface datum, Apr. 13, 1960; lowest measured, 167.76 ft (51.13 m) below land-surface datum, Oct. 25, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL
OCT 25	167.76

Measurement discontinued.

335118089175901. Local number, K101.

LOCATION.--Lat 33°51'18", long 89°17'59", Hydrologic Unit 08030205, NE&SW& sec.13, T.23 N., R.9 E., 0.3 mi (0.5 km) northeast of center of Calhoun City at Adams Street and Taylor Street.

Owner: Calhoun City.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 12 in (30 cm), depth 1,897 ft (579 m), cased to 1,857 ft (566 m).

DATUM.--Land-surface datum is about 270 ft (82 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of air vent in north side of pump base, 1.30 ft (0.40 m) above land-surface datum.

REMARKS.--Water levels affected by pumping.

PERIOD OF RECORD.--February 1955 to April 1967, June 1969, June 1971 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 42.75 ft (13.03 m) below land-surface datum, Mar. 14, 1957; lowest measured, 71.93 ft (21.92 m) below land-surface datum, Oct. 19, 1976.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 27	71.08	MAR 21	71.93

GROUND-WATER LEVELS

CARROLL COUNTY

333116089550401. Local number, F1.

LOCATION.--Lat 33°31'16", Long 89°55'04", Hydrologic Unit 08030205, SE¼SW¼ sec.7, T.19 N., R.4 E., near center of North Carrollton at old water plant.

Owner: North Carrollton.

AQUIFER.--Sand of lower part of Wilcox Group of late Paleocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (15 cm), depth 1,274 ft (388 m).

DATUM.--Land-surface datum is about 230 ft (70 m) National Geodetic Vertical Datum of 1929. Measuring point: Faucet below pump base, 0.50 ft (0.15 m) above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 21.00 ft (6.40 m) above land-surface datum, March 21, 1979; lowest measured, 21.00 ft (6.40 m) above land-surface datum, March 21, 1979.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL
MAR 21	21.00

333057089552002. Local number, F19.

LOCATION.--Lat 33°30'57", long 89°55'20", Hydrologic Unit 08030205, SE¼ SW¼ sec.7, T.19 N., R.4 E., near center of North Carrollton at old water plant.

Owner: North Carrollton.

AQUIFER.--Meridian Sand Member of Tallahatta Formation of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 10 in (25 cm), depth 440 ft (134 m).

DATUM.--Land-surface datum is about 225 ft (69 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of air vent in side of pump base, 1.00 ft (0.30 m) above land-surface datum.

PERIOD OF RECORD.--May 1961, May 1979 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 2.00 ft (0.61 m) below land-surface datum, May 1, 1961; lowest measured, 12.39 ft (3.78 m) below land-surface datum, March 21, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL
MAR 21	12.39

CHICKASAW COUNTY

340030088444801. Local number D6.

LOCATION.--Lat 34°00'30", long 88°44'48", Hydrologic Unit 03160101, NW¼SE¼ sec. 26, T.12 S., R.5 E., at Okolona at old water plant.

Owner: Town of Okolona.

AQUIFER.--Sand of Eutaw Formation of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well 10 in (25 cm), depth reported 400 ft (122 m).

DATUM.--Land-surface datum is about 307 ft (94 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of concrete well base, 2.50 ft (0.76 m) above land-surface datum.

PERIOD OF RECORD.--1917, October 1956, December 1958, October 1977 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 87 ft (27 m) below land-surface datum, 1917; lowest measured, 152.65 ft (46.53 m) below land-surface datum, Aug. 30, 1979.

WATER LEVEL, IN FEET, BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL
MAY 15	148.38	AUG 30	152.65

335400088595001. Local number, F16.

LOCATION.--Lat 33°54'00", long 88°59'50", Hydrologic Unit 03160104, SW¼SW¼ sec.33, T.13 S., R.3 E., near center of Huston at old water plant.

Owner: Huston.

AQUIFER.--Sand of Eutaw Formation of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 10 in (25 cm), depth 1,076 ft (328 m).

DATUM.--Land-surface datum is about 340 ft (104 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of air vent in pump base, 1.20 ft (0.37 m) above land-surface datum.

PERIOD OF RECORD.--1931, July 1940, November 1970, 1971, October 1978 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 80 ft (24 m) below land-surface datum, 1940; lowest measured 165.86 ft (50.55 m) below land-surface datum, Mar. 21, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL
MAR 21	165.86

CHICKASAW COUNTY--Continued

335400088594601. Local number, F18.

LOCATION.--Lat 33°54'00", long 88°59'46", Hydrologic Unit 03160104, SW¼, SW¼, sec.33, T.13 S., R.3 E., near center of Huston at old water plant.

Owner: Huston.

AQUIFER.--Sand of Ripley Formation of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (15 cm), depth 130 ft (40 m).

DATUM.--Land-surface datum is about 340 ft (104 m) National Geodetic Vertical Datum of 1929. Measuring points: plug in pump base 1.50 ft (0.46 m) above land-surface datum.

PERIOD OF RECORD.--1970, May 1972, October 1978 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water-level measured, 60.23 ft (18.36 m) below landsurface datum, Mar. 21, 1979; lowest measured, 64 ft (19.5 m) below land-surface datum May 24, 1972.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL
MAR 21	60.23

335136089005301. Local number, K37.

LOCATION.--Lat 33°51'36", long 89°00'53", Hydrologic Unit 03180001, SW¼SW¼ sec.17, T.14 S., R.3 E., 2.5 mi (4.0 km) south of center of Houston on west side of State Highway 15.

Owner: J. D. McAlpin.

AQUIFER.--Sand of Ripley Formation of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10 cm), depth reported 130 ft (40 m), cased to 80 ft (24 m).

DATUM.--Land-surface datum is about 320 ft (98 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, at land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 59.40 ft (18.11 m) below land-surface datum, Mar. 20, 1962; lowest measured, 67.10 ft (20.45 m) below land-surface datum, Oct. 28, 1971.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 19	66.44	MAR 21	64.88

CHOCTAW COUNTY

331543089171801. Local number, J35.

LOCATION.--Lat 33°15'43", long 89°17'18", Hydrologic Unit 03180001, NW¼SE¼ sec.8, T.16 N., R.10 E., 0.3 mi (0.5 km) south of center of Weir near Baptist Church.

Owner: Inez Power.

AQUIFER.--Sand of upper part of Wilcox group of early Eocene age.

WELL CHARACTERISTICS.--Dug unused artesian well, diameter 30 in (76 cm), depth 28 ft (8.5 m).

DATUM.--Land-surface datum is about 485 ft (148 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 30-in (76-cm) concrete curb, 2.00 ft (0.61 m) above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 17.76 ft (5.41 m) below land-surface datum, Apr. 12, 1976; lowest measured, 22.55 ft (6.87 m) below land-surface datum, Oct. 28, 1975.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 30	18.80	JAN 11	18.20

CLAIBORNE COUNTY

315718090591501. Local number, L5.

LOCATION.--Lat 31°57'18", long 90°59'15", Hydrologic Unit 08060203, Irregular Lot 4, T.11 N., R.2 E., 0.2 mi (0.3 km) south of center of Port Gibson at Oak Street and Main Street.

Owner: Town of Port Gibson.

AQUIFER.--Sand of Catahoula Sandstone of Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 10 in (25 cm), depth reported 250 ft (76 m).

DATUM.--Land-surface datum is about 120 ft (37 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of concrete base 2.00 ft (0.61 m) above land-surface datum.

REMARKS.--Water levels affected by nearby pumping.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 76.87 ft (23.43 m) below land-surface datum, Apr. 22, 1963; lowest measured, 125.52 ft (38.26 m) below land-surface datum, June 6, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 12	125.52	MAR 30	122.95

GROUND-WATER LEVELS

CLAY COUNTY

333627088390001. Local number, H7.

LOCATION.--Lat 33°36'27", long 88°39'00", Hydrologic Unit 03160104, NW¼SW¼ sec.11, T.17 S., R.6 E., 0.5 mi (0.8 km) northwest of center of West Point at intersection of Division Street and Bugg Street.

Owner: City of West Point.

AQUIFER.--Sand of Eutaw Formation of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10 cm), depth 309 ft (94 m).

DATUM.--Land-surface datum is about 230 ft (70 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 4-in (10.2 cm) coupling (since Apr. 12, 1976), 0.20 ft (0.06 m) above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 157.54 ft (48.02 m) below land-surface datum, Mar. 3, 1972; lowest measured, 198.82 ft (60.57 m) below land-surface datum, Oct. 25, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	198.82	DEC 6	194.80	JAN 23	194.59	MAY 3	195.77	JUN 27	195.76	AUG 29	198.67

333405088393201. Local number, H12.

LOCATION.--Lat 33°34'05", long 88°39'32", Hydrologic Unit 03160104, NE¼SW¼ sec.27, T.17 S., R.6 E., 2 mi (3.2 km) south of center of West Point on west side of U.S. Highway 45 W.

Owner: Burgin Brothers.

AQUIFER.--Sand of McShan Formation of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled domestic artesian well, diameter 4 in (10 cm), depth reported 700 ft (213 m), cased to 400 ft (122 m).

DATUM.--Land-surface datum is 194 ft (59 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of plate on well head (since Jan. 30, 1976), 0.50 ft (0.15 m) above land-surface datum.

PERIOD OF RECORD.--June 1940, 1954, July 1958 to October 1963, April 1970, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 11.0 ft (3.4 m) above land-surface datum, June 6, 1940; lowest measured, 63.22 ft (19.27 m) below land-surface datum, Feb. 28, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 5	47.18	FEB 28	63.22

Measurement discontinued.

333832088393801. Local number, H13.

LOCATION.--Lat 33°38'32", long 88°39'38", Hydrologic Unit 03160104, NE¼SW¼ sec. 34, T.16 S., R.6 E., 2.5 mi (4 km) north of center of West Point.

AQUIFER.--Sand and gravel of Gordo Formation of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 10 in (25 cm), depth 748 ft (228 m).

DATUM.--Land-surface datum is about 245 ft (75 m) National Geodetic Vertical Datum of 1929. Measuring point: Top and outside edge of concrete base, 2.00 ft (0.61 m) above land-surface datum.

PERIOD OF RECORD.--1955, October 1962 to October 1963, October 1976 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 16.6 ft (5.06 m) below land-surface datum, 1955; lowest measured, 57.40 ft (17.50 m) below land-surface datum Oct. 6, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL
OCT 6	57.40

Measurement discontinued.

333615088421801. Local number, H32.

LOCATION.--Lat 33°36'15", long 88°42'18", Hydrologic Unit 03160104, NE¼NE¼ sec. 18, T.17 S., R.6 E., 3 mi (4.8 km) west of center of West Point.

Owner: Dr. John Randell.

AQUIFER.--Sand of Eutaw Formation of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10 cm), depth 380 ft (116 m).

DATUM.--Land-surface datum is about 205 ft (62 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of angle iron, 0.5 ft (0.15 m) above land-surface datum.

PERIOD OF RECORD.--April 1964, March 1976 to current year.

EXTREMES FOR PERIOD OF RECORDS.--Highest water level measured, 43.97 ft (13.40 m) below land-surface datum, Apr. 1964; lowest measured, 108.35 ft (33.03 m) below land-surface datum Oct. 5, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL
OCT 5	108.35

CLAY COUNTY--Continued

333712088384601. Local number, H46.

LOCATION.--Lat 33°37'12", long 88°38'46", Hydrologic Unit 03160104, NE¼NW¼ sec.11, T.17 S., R.6 E., 1 mi (1.6 km) northeast of center of West Point on east side of Illinois Central Railroad.

Owner: City of West Point.

AQUIFER.--Sand and gravel of Gordo Formation of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 8 in (20 cm), depth 810 ft (247 m), cased to 750 ft (229 m).

DATUM.--Land-surface datum is about 240 ft (73 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 2.10 ft (0.64 m) above land-surface datum.

PERIOD OF RECORD.--July 1963, May 1969, January 1971 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 27.95 ft (8.52 m) below land-surface datum, July 16, 1963; lowest measured, 64.17 ft (19.56 m) below land-surface datum, Dec. 5, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	58.32	DEC 5	64.17	JAN 23	62.90	MAY 3	58.19	AUG 15	59.41

333530088393501. Local number, H151.

LOCATION.--Lat 33°35'30", long 88°39'35", Hydrologic Unit 03160104, NE¼NW¼ sec. 22, T.17 S., R.6 E., 4.5 mi (7.3 km) north of West Point on west side of U.S. Highway 45.

Owner: Prairie Livestock.

AQUIFER.--Sand of Eutaw Formation of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10 cm), depth 400 ft (121.9 m).

DATUM.--Land-surface datum is about 205 ft (62.5 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of air vent, at land-surface datum.

PERIOD OF RECORD.--September 1976 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 160.82 ft (49.02 m) below land-surface datum, Apr. 5, 1978; lowest measured, 190.20 ft (57.97 m) below land-surface datum, Oct. 5, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 5	190.20	MAY 3	168.53

333618088362001. Local number, J8.

LOCATION.--Lat 33°36'18", long 88°36'20", Hydrologic Unit 03160104, NW¼NE¼ sec.18, T.17 S., R.7 E., 2.7 mi (4.4 km) east of West Point on State Highway 50.

Owner: Wash Davis

AQUIFER.--Sand of Gordo Formation of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 2 in (5 cm), depth 610 ft (185.93 m).

DATUM.--Land-surface datum is about 210 ft (64.01 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing at land-surface datum.

PERIOD OF RECORD.--1940, August 1976 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5 ft (1.52 m) above land-surface datum, 1940; lowest measured, 31.19 ft (9.51 m) below land-surface datum, Oct. 6, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL
OCT 6	31.19

333622088361001. Local number, J125.

LOCATION.--Lat 33°36'22", long 88°36'10", Hydrologic Unit 03160104, NW¼NE¼ sec. 18, T.17 S., R.7 E., 2.3 mi (3.7 km).

Owner: G. W. Davis

AQUIFER.--Sand of Eutaw Formation of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10 cm), depth 350 ft (106.7 m).

DATUM.--Land-surface datum is 215 ft (655 m) above land-surface datum. Measuring point: Well house floor, at land-surface datum.

PERIOD OF RECORD.--August 1976 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured 105 ft (32 m) below land-surface datum, Aug. 31, 1976; lowest measured, 110.56 ft (33.70 m) below land-surface datum, Oct. 6, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL
OCT 6	110.56

GROUND-WATER LEVELS
CLAY COUNTY--Continued

333219088392801. Local number, K38.

LOCATION.--Lat 33°32'19", long 88°39'28", Hydrologic Unit 03160104, SE¼SE¼ sec. 6, T.19 N., R.16 E., 5 mi (8.0 km) south of center of West Point on U.S. Highway 45 W.
Owner: E. Hildreth.

AQUIFER.--Sand of Eutaw Formation of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10 cm), depth 400 ft (121.9 m).

DATUM.--Land-surface datum is about 230 ft (70.1 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 4-in (10-cm) casing, 0.40 ft (0.12 m) above land-surface datum.

PERIOD OF RECORD.--August 1976 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water measured, 123.0 ft (37.5 m) below land-surface datum, Aug. 27, 1976; lowest measured, 130.15 ft (39.67 m) below land-surface datum, Oct. 5, 1978

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL
OCT 5	130.15

COAHOMA COUNTY

342400090322001. Local number, C111.

LOCATION.--Lat 34°24'00", long 90°32'20", Hydrologic Unit 08030204, NW¼SW¼ sec.7, T.29 N., R.2 W., 1 mi (1.6 km) south of center of Rich at Rose Acres Plantation headquarters.
Owner: Norfleet and Wilsford.

AQUIFER.--Sand of lower part of Wilcox Group of late Paleocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 3-2 in (7.6-5.1 cm), depth 1,837 ft (560 m), screened 1,796-1,837 ft (547-560 m).

DATUM.--Land-surface datum is 180.88 ft (55.13 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 3-in (7.6-cm) tee, 1.00 ft (0.30 m) above land-surface datum.

PERIOD OF RECORD.--March 1940 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 40.8 ft (12.4 m) above land-surface datum, July 26, 1940; lowest measured, 0.69 ft (0.21 m) below land-surface datum, Apr. 25, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL
APR 25	.69

340020090341201. Local number, E132.

LOCATION.--Lat 34°00'20", long 90°34'12", Hydrologic Unit 08030207, SW¼NW¼ sec.36, T.28 N., R.4 W., 4 mi (6.4 km) north of center of Clarksdale on State Highway 6.
Owner: Coahoma Junior College.

AQUIFER.--Sand of lower part of Wilcox Group of late Paleocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10 cm), depth reported 2,000 ft (610 m), cased to 1,960 ft (597 m).

DATUM.--Land-surface datum is 176.74 ft (53.87 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of concrete base (since Apr. 2, 1976), 2.50 ft (0.76 m) above land-surface datum.

PERIOD OF RECORD.--March 1940 to July 1961, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 44.9 ft (13.7 m) above land-surface datum, June 24, 1940; lowest measured, 6.30 ft (1.92 m) above land-surface datum, May 11, 1977.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL
APR 25	6.30

341720090304301. Local number, F12.

LOCATION.--Lat 34°17'19", long 90°30'43", Hydrologic Unit 08030207, NE¼NW¼ sec.21, T.28 N., R.3 W., 8 mi (13 km) northeast of center of Clarksdale at airport on U.S. Highway 61.
Owner: City of Clarksdale.

AQUIFER.--Sand of Tallahatta Formation of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 8 in (20 cm), depth reported 900 ft (274 m).

DATUM.--Land-surface datum is about 168 ft (51 m) National Geodetic Vertical Datum of 1929. Measuring point: Hole in east side of casing, 1.00 ft (0.30 m) above land-surface datum.

PERIOD OF RECORD.--April 1971 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.82 ft (1.77 m) below land-surface datum, Apr. 14, 1971; lowest measured, 10.38 ft (3.16 m) below land-surface datum, Apr. 25, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL
APR 25	10.38

GROUND-WATER LEVELS
COAHOMA COUNTY--Continued

339

341202090343701. Local number, J98.

LOCATION.--Lat 34°12'02", long 90°34'37", Hydrologic Unit 08030207, SW¼NE¼ sec.23, T.27 N., R.4 W., 0.2 mi (0.3 km) west of center of Clarksdale at Second Street and Riverside Ave.
Owner: City of Clarksdale.

AQUIFER.--Meridian Sand Member of Tallahatta Formation of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 2 in (5.1 cm), depth 1,200 ft (366 m).

DATUM.--Land-surface datum is about 150 ft (46 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 2-in (5.1-cm) pipe, 0.30 ft (0.09 m) above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 1.00 ft (0.30 m) below land-surface datum, Apr. 2, 1976; lowest measured, 2.73 ft (0.83 m) below land-surface datum, June 8, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL
APR 26	1.15

COPIAH COUNTY

315314090233701. Local number, J33.

LOCATION.--Lat 31°53'14", long 90°23'37", Hydrologic Unit 03180003, NE¼NW¼ sec. 34, T.1 N., R.2 W., 2 mi (3.2 km) north of center of Hazlehurst.
Owner: R. C. Owen Co.

AQUIFER.--Sand of Catahoula Sandstone of Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (15 cm), depth 260 ft (79.3 m), cased to 240 ft (73.2 m).

DATUM.--Land-surface datum is about 430 ft (131.1 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 1.50 ft (0.46 m) above land-surface datum, Sept. 4, 1977.

PERIOD OF RECORD.--September 1976 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 93.00 ft (28.35 m) below land-surface datum, September 1967; lowest measured, 101.14 ft (30.83 m) below land-surface datum, Nov. 8, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 11	100.52	MAR 28	100.53

315130090233901. Local number, P8.

LOCATION.--Lat 31°51'30", long 90°23'39", Hydrologic Unit 03180003, SW¼ sec. 10, T.10 N., R.8 E., at water plant near center of Hazlehurst.
Owner: Town of Hazlehurst.

AQUIFER.--Sand of Catahoula Sandstone of Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 10 in (25 cm), depth 300 ft (91.4 m), cased to 260 ft (79.2 m).

DATUM.--Land-surface datum is about 442.7 ft (134.9 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 10 in (25 cm) casing at land-surface datum.

PERIOD OF RECORD.1954, 1957, August 1971, April 1977 to current year.

EXTREMES FOR PERIOD OF RECORD.Highest water level measured, 172.93 ft (52.71 m) below land-surface datum, Oct. 11, 1978; lowest measured, 196 ft (59.7 m) below land-surface datum, 1954.

WATER LEVEL BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 11	172.93	MAR 28	194.44

315128090205202. Local number, P49.

LOCATION.--Lat 31°51'28", long 90°20'52", Hydrologic Unit 031800003, NE¼NE¼ sec. 12, T.10 N., R.8 E., 3 mi (4.8 km) east of center of Hazlehurst at Shady Grove Community.
Owner: Town of Hazlehurst.

AQUIFER.--Sand of Catahoula Sandstone of Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (15 cm), depth 295 ft (90 m), cased to 225 ft (77.7 m).

DATUM.--Land-surface datum is about 435 ft (133 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 1.60 ft (0.49 m) above land-surface datum.

REMARKS.--Water levels affected by nearby pumping.

PERIOD OF RECORD.--1967, August 1971, April 1977 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 110 ft (33.5 m) below land-surface datum, 1967; lowest measured, 143.49 ft (43.74 m) below land-surface datum, Oct. 11, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 11	143.49	MAR 28	140.83

GROUND-WATER LEVELS

COVINGTON COUNTY

314447089302201.--Local number, C28.

LOCATION.--Lat 31°44'47", long 89°30'22", Hydrologic Unit 03170004, NW¼SW¼ sec.15, T.9 N., R.15 W., 10 mi (16 km) southeast of Mt. Olive on State Highway 532.

Owner: Mississippi Forestry Commission.

AQUIFER.--Sand of Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 3 in (8 cm), depth 250 ft (76 m).

DATUM.--Land-surface datum is about 400 ft (122 m) National Vertical Datum of 1929. Measuring point: Top of concrete slab, .50 ft (0.15 m) above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 122.76 ft (37.42 m) below land-surface datum, Apr. 10, 1979; lowest measured, 123.80 ft (37.73 m) below land-surface datum.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 17	123.80	APR 10	122.76

DE SOTO COUNTY

345736090102301. Local number, A103.

LOCATION.--Lat 34°57'36", long 90°10'23", Hydrologic Unit 08030204, NW¼NE¼ sec.32, T.1 S., R.9 W., 1.2 mi (1.9 km) west of center of Walls.

Owner: H. P. Sullivan.

AQUIFER.--Sand of lower part of Wilcox Group of late Paleocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4-2 in (10-5.1 cm), depth 1,525 ft (465 m), cased to 1.485 ft (453 m).

DATUM.--Land-surface datum is about 205 ft (62 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 2-in (5.1-cm) drop pipe, 3.30 ft (1.01 m) above land-surface datum.

PERIOD OF RECORD.--July 1939, February 1955 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 16.25 ft (4.95 m) above land-surface datum, July 15, 1939; lowest measured, 27.34 ft (8.33 m) below land-surface datum, Apr. 25, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL
APR 25	27.34

345802089494201. Local number, D3.

LOCATION.--Lat 34°58'02", long 89°49'42", Hydrologic Unit 08030204, SE¼NW¼ sec.34, T.1 S., R.6 W., at center of Olive Branch at Pidgeon Roost Road and Commerce Street.

Owner: Town of Olive Branch.

AQUIFER.--Sparta Sand of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 10 in (25 cm), depth reported 300 ft (91 m).

DATUM.--Land-surface datum is about 400 ft (122 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.50 ft (0.76 m) above land-surface datum.

PERIOD OF RECORD.--April 1971 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 130.53 ft (39.79 m) below land-surface datum, Apr. 15, 1971; lowest measured, 142.50 ft (43.43 m) below land-surface datum, Jan. 23, 1974.

Measurement discontinued.

345726089492901. Local number, D2.

LOCATION.--Lat 34°57'26", long 89°49'29", Hydrologic Unit 08030204, SE¼NW¼ sec.34, T.1 S., R.6 W., 0.35 mi (0.56 km) east of center of Olive Branch.

Owner: Town of Olive Branch.

AQUIFER.--Sparta Sand of middle Eocene age.

WELL CHARACTERISTICS.--Drilled public supply artesian well, diameter 10 in (25 m), depth 266 ft (81 m).

DATUM.--Land-surface datum is about 400 ft (122 m) National Geodetic Vertical Datum of 1929. Measuring point: Breather hole in pump base, 2.00 ft (0.61 m) above land-surface datum.

PERIOD OF RECORD.--1956, January 1973, April 1979 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 133.40 ft (40.6 m) below landsurface datum, 1956; lowest water level measured 140.42 ft (42.80 m) below land-surface datum, Jan. 31, 1973.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL
APR 25	137.83

FORREST COUNTY

311834089170101. Local number, D8.

LOCATION.--Lat 31°18'34", long 89°17'01", Hydrologic Unit 03170005, SE¼NE¼ sec.15, T.4 N., R.13 W., 2 mi (3.2 km) southeast of center of Hattiesburg at Williams Street and Alcorn Street.
Owner: City of Hattiesburg.

AQUIFER.--Sand of Catahoula Sandstone of Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10 cm), depth 710 ft (216 m), screened 610-710 ft (186-216 m).

DATUM.--Land-surface datum is about 140 ft (43 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 1.75 ft (0.53 m) above land-surface datum.

REMARKS.--Water levels affected by nearby pumping.

PERIOD OF RECORD.--December 1964, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 21.07 ft (6.42 m) below land-surface datum, Dec. 21, 1964; lowest measured, 95.18 ft (29.01 m) below land-surface datum, Nov. 16, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 16	95.18	JAN 19	77.93	MAY 1	63.54	AUG 23	65.20

311930089173001. Local number, D130.

LOCATION.--Lat 31°19'30", long 89°17'30", Hydrologic Unit 03170005, SE¼NW¼ sec.10, T.4 N., R.13 W., 0.1 mi (0.2 km) south of center of Hattiesburg at Front Street and Hemphill Street at Community Center.
Owner: City of Hattiesburg.

AQUIFER.--Sand of Catahoula Sandstone of Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 10 in (25 cm), depth 390 ft (119 m), screened 310-390 ft (94-119 m).

DATUM.--Land-surface datum is 151.76 ft (46.26 m) National Geodetic Vertical Datum of 1929. Measuring point: Top edge of discharge pipe, 7.75 ft (2.36 m) above land-surface datum.

PERIOD OF RECORD.--March 1940 to July 1954, November 1956 to April 1973, June 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 7.25 ft (2.21 m) above land-surface datum, June 12, 1950; lowest measured, 33.08 ft (10.08 m) below land-surface datum, Oct. 4, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 4	33.08	APR 13	32.47

31137089110501. Local number, G116.

LOCATION.--Lat 31°11'37", long 89°11'05", Hydrologic Unit 03170007, SW¼NE¼ sec.27, T.3 N., R.12 W., 3 mi (4.8 km) east of south gage of Camp Shelby at Jackson Ave. and 39th Street.
Owner: U.S. Government-Mississippi National Guard. Camp Shelby.

AQUIFER.--Sand of Hattiesburg Formation of Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4-3 in (10-7.6 cm), depth 416 ft (127 m), screened 382-416 ft (116-127 m).

DATUM.--Land-surface datum is 258.44 ft (78.77 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 4-in (10-cm) casing flange, 2.00 ft (0.61 m) above land-surface datum.

REMARKS.--Occasional pumping nearby.

PERIOD OF RECORD.--1943-45, February 1954 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 122.08 ft (37.21 m) below land-surface datum, Apr. 2, 1954; lowest measured, 142.40 ft (43.40 m) below land-surface datum, Nov. 6, 1974.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 4	141.58	MAR 6	139.84

310130089094301 (formerly 310130089093101). Local number, L23.

LOCATION.--Lat 31°01'35", long 89°09'31", Hydrologic Unit 03170007, NW¼NW¼ sec.25, T.1 N., R.12 W., 3 mi (4.8 km) southeast of center of Brooklyn at Ashe Nursery. Owner: Ashe Nursery.

AQUIFER.--Sand of Hattiesburg Formation of Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10 cm), depth 728 ft (222 m).

DATUM.--Land-surface datum is about 285 ft (87 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of concrete base, 0.50 ft (0.15 m) above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 166.50 ft (50.75 m) below land-surface datum, Aug. 5, 1971, lowest measured, 177.46 ft (54.09 m) below land-surface datum, Oct. 4, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 4	177.46	MAR 6	174.26

GROUND-WATER LEVELS

FRANKLIN COUNTY

313026091035101. Local number, F1.

LOCATION.--Lat 31°30'26", long 91°03'51", Hydrologic Unit 08060205, NW¼NE¼ sec.19, T.6 N., R.1 E., 0.1 mi (0.2 km) northeast of center of Roxie at 3rd Street and East Blvd. Owner: Town of Roxie.

AQUIFER.--Sand of Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (15 cm), depth 250 ft (76 m), cased to 230 ft (70 m).

DATUM.--Land-surface datum is about 230 ft (70 m) National Geodetic Vertical Datum of 1929. Measuring point: Hole in east side of pump base, 1.90 ft (0.58 m) above land-surface datum.

PERIOD OF RECORD.--May 1960 to April 1972, May 1974 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 19.89 ft (6.06 m) below land-surface datum, Mar. 22, 1976; lowest measured, 28.78 ft (8.77 m) below land-surface datum, May 9, 1968.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL
MAR 29	20.95

GREENE COUNTY

313530088310501 (Formerly 311435088312201). Local number, M2.

LOCATION.--Lat 31°35'30", long 88°31'05", Hydrologic Unit 03170003, NE¼NW¼ sec.7, T.3 N., R.5 W., 8 mi (13 km) northeast of center of Leakesville.

Owner: H. F. Garreston, Jr.

AQUIFER.--Sand of Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (15 cm), depth 703 ft (214 m).

DATUM.--Land-surface datum is about 107 ft (33 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of discharge pipe, 2.00 ft (0.61 m) above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 22.0 ft (6.7 m) above land-surface datum, Jan. 22, 1970; Apr. 24, 1974; lowest measured, 15.0 ft (4.6 m) above land-surface datum, Apr. 21, 1977.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL
MAY 1	17.0

GRENADA COUNTY

335016089471801. Local number, B103.

LOCATION.--Lat 33°01'16", long 89°47'18", Hydrologic Unit 08030205, NE¼NE¼ sec.29, T.23 N., R.5 E., 4 mi (6.4 km) north of center of Grenada and 0.3 mi (0.5 km) east of Grenada Airport.

Owner: U.S. Government. Grenada Reservoir.

AQUIFER.--Meridian Sand Member of Tallahatta Formation of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12-8 in (30-20 cm), depth 257 ft (78 m), screened 227-257 ft (69-78 m).

DATUM.--Land-surface datum is 207.07 ft (63.11 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of south side of concrete base, 1.20 ft (0.37 m) above land-surface datum.

REMARKS.--Affected by stage of Grenada Reservoir; well is 0.5 mi (8.0 km) below dam.

PERIOD OF RECORD.--1942, January 1954 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 1.98 ft (0.60 m) below land-surface datum, Apr. 19, 1962; lowest measured, 30.08 ft (9.17 m) below land-surface datum, Oct. 28, 1942.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL
MAR 21	6.72

Well destroyed.

GRENADA COUNTY--Continued

334556089583501. Local number, F112.

LOCATION.--Lat 33°45'56", long 89°58'45", Hydrologic Unit 08030205, SE½SE¼ sec.16, T.22 N., R.3 E., 0.2 mi (0.3 km) northwest of center of Holcomb at school.

Owner: Holcomb School.

AQUIFER.--Sand of Wilcox Group of late Paleocene.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 3 in (7.6 cm), depth 983 ft (300 m), screened 943-983 ft (287-300 m).

DATUM.--Land-surface datum is 183.14 ft (55.82 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 3-in (7.6-cm) tee, 1.40 ft (0.43 m) above land-surface datum, or top of discharge pipe, 1.20 ft (0.37 m) above land-surface datum.

PERIOD OF RECORD.--January 1939 to June 1969, May 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 30.4 ft (9.3 m) above land-surface datum, July 31, 1941; lowest measured, 6.0 ft (1.83 m) above land-surface datum, Apr. 28, 1977.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL
MAR 21	14.00

334128089441701. Local number, H111.

LOCATION.--Lat 33°41'28", long 89°44'17", Hydrologic Unit 08030205, SE½SE¼ sec.11, T.21 N., R.5 E., 1 mi (1.6 km) east of center of Elliot on west bank of Batupan Bogue.

Owner: E. T. Hill.

AQUIFER.--Sand of Wilcox Group of late Paleocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 8 in (20 cm), depth 502 ft (153 m), screened 421-502 ft (128-153 m).

DATUM.--Land-surface datum is 208.69 ft (63.61 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of concrete base (since Feb. 11, 1976), 4.00 ft (1.22 m) above land-surface datum.

PERIOD OF RECORD.--1943, February 1954 to October 1963, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 15.50 ft (4.72 m) above land-surface datum, Jan. 2, 1943; lowest measured, 0.88 ft (0.27 m) above land-surface datum, Mar. 21, 1979.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL
MAR 21	0.88

334147089433801. Local number, H113.

LOCATION.--Lat 33°41'47", long 89°43'38", Hydrologic Unit 08030205, NE½SW¼ sec.12, T.21 N., R.5 E., 1.5 mi (2.4 km) east of center of Elliot.

Owner: J. W. Willis, Sr.

AQUIFER.--Meridian Sand Member of Tallahatta Formation of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12-10 in (30-25 cm), depth 211 ft (64 m), screened 161-211 ft (49-64 m).

DATUM.--Land-surface datum is 216.70 ft (66.05 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of air vent hole in pump base, 3.40 ft (1.04 m) above land-surface datum.

PERIOD OF RECORD.--1954 to October 1963, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 1.96 ft (0.60 m) below land-surface datum, Mar. 21, 1979; lowest measured, 15.74 ft (4.80 m) below land-surface datum, Nov. 6, 1957.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL
MAR 21	1.96

334148089425701. Local number, J2.

LOCATION.--Lat 33°41'48", long 89°42'57", Hydrologic Unit 08030205, NW¼SW¼ sec. 7, T.21 N., R.6 E., 2.5 mi (4.0 km) east of center of Elliot.

Owner: J. W. Willis, Jr.

AQUIFER.--Sand of Wilcox Group of late Paleocene age.

WELL CHARACTERISTICS.--Drilled domestic artesian well, diameter 12 in (30 cm), depth 429 ft (131 m), cased to 390 ft (119 m).

DATUM.--Land-surface datum is 227.21 ft (69.25 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of concrete base (since Feb. 11, 1976), 1.50 ft (0.46 m) above land-surface datum.

PERIOD OF RECORD.--September 1942, October 1956 to October 1963, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 2.10 ft (0.64 m) above land-surface datum, Sept. 19, 1942; lowest measured, 14.09 ft (4.29 m) below land-surface datum, Mar. 21, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL
MAR 21	14.09

GROUND-WATER LEVELS

HANCOCK COUNTY

302158089372901. Local number, H3.

LOCATION.--Lat 30°21'58", long 89°37'29", Hydrologic Unit 03180004, SW¼NW¼ sec. 8, T.8 S., R.16 W., 20 mi (32 km) northwest of center of Bay St. Louis at NASA site on State Highway 607.

Owner: Mississippi Test Facility (NASA).

AQUIFER.--Sand of Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in (30 cm), depth 1524 ft (465 m), cased to 1464 ft (446 m).

DATUM.--Land-surface datum is 28 ft (8.5 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of well head 4.20 ft (1.28 m) above land-surface datum.

PERIOD OF RECORD.--January 1963, October 1965 to January 1968, April 1970, April 1972 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 87 ft (26.5 m) above land-surface datum, January 1963 lowest measured, 54.6 ft (16.6 m) above land-surface datum, Oct. 5, 1978.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 5	54.6	APR 6	58.6

302140089345901. Local number, H4.

LOCATION.--Lat 30°21'40", long 89°34'59", Hydrologic Unit 03180004, NE¼SE¼ sec.10, T.8 S., R.16 W., 20 mi (32 km) northwest of center of Bay St. Louis at NASA site on State Highway 607.

Owner: Mississippi Test Facility (NASA).

AQUIFER.--Sand of Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 18 in (46 cm), depth 1873 ft (571 m), cased to 1803 ft (550 m).

DATUM.--Land-surface datum is 21 ft (6.4 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of faucet 1.90 ft (0.58 m) above land-surface datum.

PERIOD OF RECORD.--1963, August 1965 to January 1968, April 1970 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 104 ft (31.7 m) above land-surface datum, 1963; lowest measured, 74.0 ft (22.6 m) above land-surface datum, Apr. 6, 1979.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL
APR 6	74.00

302227089373001. Local number, H5.

LOCATION.--Lat 30°22'27", Long 89°37'30", Hydrologic Unit 03180004, NE¼SW¼ sec. 5, T.8 S., R.16 W., 20 mi (32 km) northwest of center of Bay St. Louis at NASA site on State Highway 607.

Owner: Mississippi Test Facility (NASA).

AQUIFER.--Sand of Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in (30 cm), depth 1481 ft (451 m), cased to 1,420 ft (433 m).

DATUM.--Land-surface datum 29 ft (8.8 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of well head 6.20 ft (1.89 m) above land-surface datum.

PERIOD OF RECORD.--May 1964 to March 1968, Apr. 1 1970, April 1972 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 81.3 ft (24.8 m) above land-surface datum June 3, 1966; lowest measured, 55.35 ft (16.87 m) above land-surface datum Apr. 6, 1979.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL
APR 6	55.35

302140089351401. Local number, H6.

LOCATION.--Lat 30°21'40", long 89°35'14", Hydrologic Unit 03180004, NE¼SW¼ sec.10, T.8 S., R.16 W., 20 mi (32 km) northwest of center of Bay St. Louis at NASA site on State Highway 607.

Owner: Mississippi Test Facility (NASA).

AQUIFER.--Sand of Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 18 in (46 cm), depth 1695 ft (517 m), cased to 1585 ft (483 m).

DATUM.--Land-surface datum is 23 ft (7 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of concrete base 3.0 ft (0.91 m) above land-surface datum.

PERIOD OF RECORD.--October 1965 to February 1968, April 1970 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 94.9 ft (28.9 m) above land-surface datum, Nov. 11, 1965; lowest measured, 64.25 ft (19.58 m) above land-surface datum, Apr. 6, 1979.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL
APR 6	64.25

HANCOCK COUNTY--Continued

302206089350601. Local number, H7.

LOCATION.--Lat 30°22'06", long 89°35'06", Hydrologic Unit 03180004, NW¼NE¼ sec.10, T.8 S., R.16 W., 20 mi (32 km) northwest of center of Bay St. Louis at NASA site on State Highway 607.

Owner: Mississippi Test Facility (NASA).

AQUIFER.--Sand of Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in (30.5 cm), depth 1434 ft (437.1 m), cased to 1371 ft (417.9 m).

DATUM.--Land-surface datum is 25 ft (7.6 m) National Geodetic Vertical Datum of 1929. Measuring point: Bottom of recorder 0.4 ft (0.12 m) below land-surface datum.

PERIOD OF RECORD.--1964, 1967, April 1970 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 89.6 ft (27.3 m) above land-surface datum, March 1, 1967; lowest measured, 65.56 ft (19.98 m) above land-surface datum, May 16, 1978.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 5	65.84	APR 6	66.56

302126089351401. Local number, H8.

LOCATION.--Lat 30°21'26", long 89°35'14", Hydrologic Unit 03180004, SW¼SE¼ sec. 10, T.8 S., R.16 W., 20 mi (32 km) northwest of center of Bay St. Louis at NASA site on State Highway 607.

Owner: Mississippi Test Facility (NASA).

AQUIFER.--Sand of Miocene Age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 24 in (61 cm), depth 672 ft (205 m), cased to 460 ft (140 m).

DATUM.--Land-surface datum is 19 ft (5.8 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of concrete base, 3.5 ft (1.1 m) above land-surface datum.

PERIOD OF RECORD.--April 1965 to January 1968, April 1970 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 14.9 ft (4.5 m) above land-surface datum, April 19, 1965; lowest measured, 5.1 ft (1.6 m) above land-surface datum, Apr. 25, 1970.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 5	6.80	APR 6	8.25

302118089351501. Local number, H11.

LOCATION.--Lat 30°21'18", long 89°35'15", Hydrologic Unit 03180004, NW¼NE¼ sec. 15, T.8 S., R.16 W., 20 mi (32 km) northwest of center of Bay St. Louis at NASA site on State Highway 607.

Owner: Mississippi Test Facility (NASA).

AQUIFER.--Sand of Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (15 cm), depth 676 ft (206 m), cased to 646 ft (197 m).

DATUM.--Land-surface datum is 21.4 ft (6.5 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 3/4-in (1.90-cm) gate valve, 2.90 ft (0.88 m) above land-surface datum.

PERIOD OF RECORD.--July 1967 to April 1968, April 1970 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 17.5 ft (5.3 m) above land-surface datum, Apr. 20, 1972; lowest measured, 9.0 ft (2.7 m) above land-surface datum, Apr. 11, 1968.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 5	9.59	APR 6	12.00

302118089351502. Local number, H12.

LOCATION.--Lat 30°21'18", long 89°35'15", Hydrologic Unit 03180004, NW¼NE¼ sec.15, T.8 S., R.16 W., 20 mi (32 km) northwest of center of Bay St. Louis at NASA site on State Highway 607.

Owner: Mississippi Test Facility (NASA).

AQUIFER.--Sand of Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (15 cm), depth 599 ft (183 m), cased to 569 ft (173 m).

DATUM.--Land-surface datum is 20.9 ft (6.4 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 3/4-in (1.90-cm) gate valve, 2.90 ft (0.88 m) above land-surface datum.

PERIOD OF RECORD.--July 1967 to April 1968, April 1970 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 14.5 ft (4.4 m) above land-surface datum, Apr. 20, 1972; lowest measured, 5.5 ft (1.7 m) above land-surface datum, Apr. 11, 1968.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL
APR 6	10.40

GROUND-WATER LEVELS

HANCOCK COUNTY--Continued

302118089351503. Local number, H13.

LOCATION.--Lat 30°21'18", long 89°35'15", Hydrologic Unit 03180004, NW¼ sec.15, T.8 S., R.16 W., 20 mi (32 km) northwest of center of Bay St. Louis at NASA site on State Highway 607.

Owner: Mississippi Test Facility (NASA).

AQUIFER.--Sand of Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (15 cm), depth 491 ft (150 m), cased to 461 ft (141 m).

DATUM.--Land-surface datum is 21.2 ft (6.5 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 3/4-in (1.90-cm) gate valve, 2.60 ft (0.79 m) above land-surface datum.

PERIOD OF RECORD.--July 1967 to April 1968, April 1970 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 12.5 ft (3.8 m) above land-surface datum, Apr. 20, 1972; lowest measured, 1.0 ft (0.30 m) above land-surface datum, Apr. 11, 1968.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL
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APR 6	5.20
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302118089351504. Local number, H14.

LOCATION.--Lat 30°21'18", long 89°35'15", Hydrologic Unit 03180004, NE¼ sec.15, T.8 S., R.6 W., 20 mi (32 km) northwest of center of Bay St. Louis at NASA site on State Highway 607.

AQUIFER.--Sand of Citronelle Formation of Pliocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in (30 cm), depth 144 ft (44 m), cased to 84 ft (26 m).

DATUM.--Land-surface datum is about 20 ft (6 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.50 ft (0.46 m) above land-surface datum.

PERIOD OF RECORD.--1968, January 1971 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 3.6 ft (1.1 m) below land-surface datum, May 1, 1974; lowest measured, 8.3 ft (2.5 m) below land-surface datum, June 3, 1968.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL
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APR 6	4.45
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301858089202301. Local number, K1.

LOCATION.--Lat 30°18'58", long 89°20'23", Hydrologic Unit 03170009, NW¼SW¼ sec.3, T.8 S., R.13 W., 0.5 mi (0.8 km) south of center of Bay St. Louis at St. Charles Street and Hancock Street.

Owner: City of Bay St. Louis.

AQUIFER.--Sand of Pascagoula Formation of late Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10 cm), depth 1,300 ft (396 m), cased to 1,280 ft (390 m).

DATUM.--Land-surface datum is about 16 ft (4.9 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of plate on well head, 1.20 ft (0.37 m) above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 30.1 ft (9.2 m) above land-surface datum, Nov. 1, 1960; lowest measured, 4.44 ft (1.35 m) below land-surface datum, July 16, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
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OCT 5	2.31	APR 6	2.26	JUL 16	4.44
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301900089201801. Local number, K4.

LOCATION.--Lat 30°19'00", long 89°20'18", Hydrologic Unit 03170009, SW¼ sec.30, T.8 S., R.13 W., .2 mi (.32 km) north of Beach Blvd. on St. Charles Street.

Owner: City of Bay St. Louis.

AQUIFER.--Sand of Pascagoula Formation of Late Miocene age.

WELL CHARACTERISTICS.--Drilled public supply artesian well, diameter 8 in (20 cm), depth 1210 ft (369 m), cased to 1150 ft (292 m).

DATUM.--Land-surface datum is about 16 ft (4.9 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of concrete base at land-surface datum.

PERIOD OF RECORD.--August 1975, April 1977 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 17 ft (5.2 m) above land-surface datum, Aug. 1975; lowest water level measured 6.47 ft (1.97 m) above land-surface datum, July 16, 1979.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
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OCT 5	8.73	APR 6	14.90	JUL 16	6.47
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GROUND-WATER LEVELS

347

HANCOCK COUNTY--Continued

303110089070201. Local number, G121.

LOCATION.--Lat 30°31'10", long 87°07'02", Hydrologic Unit 03170009, NE¼SW¼ sec.17, T.6 S., R.11 W., 2 mi (3.2 km) northwest of center of Lyman at fish hatchery.

Owner: Mississippi Game and Fish Commission.

AQUIFER.--Sand of Graham Ferry Formation of Pliocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 3 in (7.6 cm), depth 456 ft (139 m), screened 416-456 ft (127-139 m).

DATUM.--Land-surface datum is about 70 ft (22 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.40 ft (0.12 m) above land-surface datum.

REMARKS.--Water levels affected by nearby pumping.

PERIOD OF RECORD.--1939, July 1954 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 10.0 ft (3.0 m) below land-surface datum, Apr. 14, 1939; lowest measured, 53.78 ft (16.39 m) below land-surface datum, Oct. 4, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 4	53.78	MAR 6	52.65	JUN 4	52.57

302240089025401. Local number, L144.

LOCATION.--Lat 30°22'40", long 89°02'54", Hydrologic Unit 03170009, SW¼NW¼ sec.1, T.8 S., R.11 W., 2.5 mi (4.0 km) east of center of Gulfport at V.A. Hospital on U.S. Highway 90.

Owner: U.S. Government (V.A. Hospital).

AQUIFER.--Sand of Pascagoula Formation of late Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10 cm), depth reported 898 ft (274 m), cased to 818 ft (249 m).

DATUM.--Land-surface datum is about 21 ft (6.4 m) National Geodetic Vertical Datum of 1929. Measuring point: Steel plate on top of tee, 3.00 ft (0.91 m) above land-surface datum.

PERIOD OF RECORD.--March 1939, June 1957 to December 1958, April 1960 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 28.3 ft (8.6 m) above land-surface datum, Mar. 17, 1939; lowest measured, 34.05 ft (10.38 m) below land-surface datum, Oct. 4, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 4	34.05	MAR 6	28.32	MAY 30	32.29

302200089053301. Local number, L154.

LOCATION.--Lat 30°22'00", long 89°05'33", Hydrologic Unit 03170009, NW¼NE¼ sec.9, T.8 S., R.11 W., at center of Gulfport at post office at U.S. Highways 49 and 90.

Owner: U.S. Post Office Dept., Gulfport.

AQUIFER.--Sand of Pascagoula Formation of late Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 3 in (7.6 cm), depth 1,262 ft (385 m), screened 1,232-1,262 ft (376-385 m).

DATUM.--Land-surface datum is 19.62 ft (5.98 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 3-in (7.6-cm) casing tee, 1.70 ft (0.52 m) above land-surface datum.

PERIOD OF RECORD.--March 1939 to October 1950, January 1954 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 27.1 ft (8.3 m) above land-surface datum, Jan. 31, 1940; lowest measured, 14.59 ft (4.45 m) below land-surface datum, Oct. 4, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 4	14.59	MAR 6	13.23	JUN 4	13.31

302127089051901. Local number, L172.

LOCATION.--Lat 30°21'27", long 89°05'19", Hydrologic Unit 03170009, NW¼NE¼ sec.9, T.8 S., R.11 W., 0.7 mi (1.1 km) south of center of Gulfport on south end of municipal pier.

Owner: Gulfport Municipal Harbor. South end of main pier.

AQUIFER.--Sand of Pascagoula Formation of late Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10 cm), depth reported 800 ft (244 m), cased to 760 ft (232 m).

DATUM.--Land-surface datum is 7.6 ft (2.93 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.70 ft (0.52 m) above land-surface datum.

PERIOD OF RECORD.--1939, June 1956 to November 1974, April 1977 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 38.0 ft (11.6 m) above land-surface datum, Mar. 16, 1939; lowest measured, 5.8 ft (1.8 m) below land-surface datum, Nov. 6, 1974.

No measurement made in fiscal year 1979.

GROUND-WATER LEVELS

HARRISON COUNTY--Continued

302355088540301. Local number, M120.

LOCATION.--Lat 30°23'55", long 88°54'03", Hydrologic Unit 03170009, NW¼SE¼ sec.26, T.7 S., R.9 W., 1 mi (1.6 km) west of center of Biloxi at Howard Ave. and Querens Street.

Owner: City of Biloxi.

AQUIFER.--Sand of Pascagoula Formation of late Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 8 in (20 cm), depth reported 928 ft (283 m), sounded to 660 ft (201 m).

DATUM.--Land-surface datum is 21.28 ft (6.49 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 8-in (20-cm) flange, 3.00 ft (0.91 m) above land-surface datum.

REMARKS.--Water levels affected by nearby pumping.

PERIOD OF RECORD.--1903, January 1945 to June 1946, March 1954 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 44.0 ft (13.4 m) above land-surface datum, 1903; lowest measured, 65.25 ft (19.9 m) below land-surface datum, June 15, 1977.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	60.28	61.25	57.02	55.33	50.19	53.03	49.34	56.16	58.90	61.40	54.47	59.31
10	59.83	57.28	57.51	52.96	51.12	49.98	50.56	58.10	59.39	56.16	58.35	53.14
15	59.50	57.87	57.28	53.65	51.16	48.77	52.57	58.44	60.59	57.36	53.02	58.88
20	60.70	58.90	56.79	53.04	48.67	50.34	56.23	57.38	61.92	52.68	59.44	57.27
25	63.04	58.21	53.85	53.25	51.34	50.83	54.75	59.10	64.58	50.22	58.46	57.19
EOM	61.38	58.19	50.60	52.10	50.14	50.94	57.10	58.08	65.25	52.46	56.70	58.01

301856089145301. Local number, N3.

LOCATION.--Lat 30°18'56", long 89°14'53", Hydrologic Unit 03170009, SW¼NW¼ sec.30, T.8 S., R.13 W., 0.1 mi (0.2 km) northwest of center of Pass Christian at 2nd and Clark Streets.

Owner: Town of Pass Christian.

AQUIFER.--Sand of Pascagoula Formation of late Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (15 cm), depth 1,111 ft (339 m), cased to 1,051 ft (320 m).

DATUM.--Land-surface datum is about 15 ft (4.6 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 8-in (20-cm) tee, 2.00 ft (0.61 m) above land-surface datum.

PERIOD OF RECORD.--1948, 1968, August 1971 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 39 ft (12 m) above land-surface datum, 1948; lowest measured, 5.22 ft (1.59 m) above land-surface datum, Oct. 5, 1978.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 5	5.22	APR 6	6.64

HINDS COUNTY

322828090170501. Local number, C15.

LOCATION.--Lat 32°28'28", long 90°17'05", Hydrologic Unit 08060202, SW¼SE¼ sec.3, T.2 N., R.1 W., 0.2 mi (0.3 km) northeast of center of Pocahontas at elevated water tank.

Owner: Town of Pocahontas.

AQUIFER.--Sand of Cockfield Formation of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10 cm), depth reported 786 ft (240 m).

DATUM.--Land-surface datum is about 240 ft (73 m) National Geodetic Vertical Datum of 1929. Measuring point: Hole in plate on well head, 1.00 ft (0.30 m) above land-surface datum.

PERIOD OF RECORD.--September 1959, September 1970 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 87.60 ft (26.70 m) below land-surface datum, Sept. 15, 1959; lowest measured, 105.60 ft (32.19 m) below land-surface datum, Apr. 3, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 11	98.38	APR 3	105.60

HINDS COUNTY-Continued

321949090361501. Local number, D1.

LOCATION.--Lat 32°19'49", long 90°36'15", Hydrologic Unit 08060202, SW¼SW¼ sec.27, T.6 N., R.4 W., 0.2 mi (0.3 km) south of center of Edwards on State Highway 467.

Owner: Town of Edwards.

AQUIFER.--Sand of Cockfield Formation of Claiborne Group of Middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in (30 cm), depth 1,154 ft (352 m).

DATUM.--Land-surface datum is about 220 ft (67 m) National Geodetic Vertical Datum of 1929. Measuring point: Breather hole in west side of pump base, at land-surface datum.

PERIOD OF RECORD.--1930, September 1970 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 84 ft (26 m) below land-surface datum, 1930; lowest measured, 113.16 ft (34.49 m) below land-surface datum, Apr. 27, 1976.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 11	109.39	MAR 28	109.39

321945090152201. Local number, G125.

LOCATION.--Lat 32°19'45", long 90°15'22", Hydrologic Unit 03180002, SE¼SW¼ sec.25, T.6 N., R.1 W., 5 mi (8 km) northwest of center of Jackson at Clinton Blvd. and Dixon Rd.

Owner: Shady Oaks Country Club.

AQUIFER.--Sparta Sand of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (15 cm), depth 852 ft (260 m), cased to 802 ft (244 m).

DATUM.--Land-surface datum is 372 ft (113 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 4-in (10-cm) coupling, 0.50 ft (0.15 m) above land-surface datum.

PERIOD OF RECORD.--1928, September 1944 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 160.0 ft (48.8 m) below land-surface datum, 1928; lowest measured, 297.97 ft (90.82 m) below land-surface datum, Sept. 7, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 11	293.15	FEB 15	290.31	MAY 8	292.55	SEP 7	297.97
JAN 17	291.92	MAR 21	288.53	JUL 25	295.36		

322146090133001. Local number, H3.

LOCATION.--Lat 32°21'46", long 90°13'30", Hydrologic Unit 03180002, SW¼SW¼ sec.8, T.6 N., R.1 E., 7 mi (11 km) northwest of center of Jackson on Forrest Ave. Ext.

Owner: R. D. Robinson.

AQUIFER.--Sparta Sand of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 3 in (7.6 cm), depth 760 ft (232 m).

DATUM.--Land-surface datum is about 360 ft (110 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.00 ft (0.30 m) above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 200.00 ft (60.96 m) below land-surface datum, Apr. 2, 1970; lowest measured, 245.55 ft (74.84 m) below land-surface datum, Oct. 11, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 11	245.55	JAN 16	241.90	MAR 21	230.97	JUL 26	222.19

322301090090001. Local number, H23.

LOCATION.--Lat 32°23'01", long 90°09'00", Hydrologic Unit 03180002, NW¼NE¼ sec.12, T.6 N., R.1 E., 6 mi (9.7 km) north of center of Jackson at Briarwood Drive and I55.

Owner: Kenneth Muse.

AQUIFER.--Sparta Sand of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10 cm), depth 728 ft (222 m).

DATUM.--Land-surface datum is about 315 ft (96 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.65 ft (0.20 m) above land-surface datum.

PERIOD OF RECORD.--October 1955 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 161.96 ft (49.37 m) below land-surface datum, Apr. 12, 1957; lowest measured, 231.42 ft (70.54 m) below land-surface datum, May 8, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 11	223.00	DEC 18	221.65	FEB 15	220.75	MAY 8	231.42	SEP 7	226.07
NOV 21	222.49	JAN 17	221.17	MAR 21	220.06	JUL 25	224.57		

HINDS COUNTY--Continued

322021090114101. Local number, H43.

LOCATION.--Lat 32°20'21", long 90°11'41", Hydrologic Unit 03180002, NE¼NE¼ sec.23, T.6 N., R.1 E., 6 mi (9.7 km) north of center of Jackson at Livingston Road and Stonewall Street.

Owner: Royster Guano.

AQUIFER.--Sparta Sand of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 8 in (20 cm), depth 850 ft (259 m).

DATUM.--Land-surface datum is 336.83 ft (102.67 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.00 ft (0.30 m) above land-surface datum.

PERIOD OF RECORD.--April 1957 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 186.69 ft (56.90 m) below land-surface datum, Apr. 12, 1957; lowest measured, 259.25 ft (79.02 m) below land-surface datum, Sept. 7, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 11	246.66	JAN 17	254.93	JUL 25	252.35	SEP 7	259.25

321957090105601. Local number, H155.

LOCATION.--Lat 32°19'57", long 90°10'56", Hydrologic Unit 03180002, NW¼SE¼ sec.27, T.6 N., R.1 E., 2 mi (3.2 km) north of center of Jackson or North West Street near Taylor Street.

Owner: Mississippi Geological Survey.

AQUIFER.--Sand of Cockfield Formation of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well (test hole), diameter 4 in (10 cm), depth 158 ft (48 m).

DATUM.--Land-surface datum is about 330 ft (101 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.40 ft (0.12 m) above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 143.13 ft (43.63 m) below land-surface datum, July 11, 1972; lowest 154.24 ft (47.01 m) below land-surface datum, Jul. 26, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 11	149.65	JAN 16	148.95	MAR 21	150.10	JUL	154.24

322241090073701. Local number, H160.

LOCATION.--Lat 32°22'41", long 90°07'37", Hydrologic Unit 03180002, SE¼NE¼ sec.7, T.6 N., R.2 E., 7 mi (11 km) northeast of center of Jackson at Old Canton Road and Parkway.

Owner: Colonial Country Club.

AQUIFER.--Sparta Sand of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (15 cm), depth reported 773 ft (236 m), cased to 634 ft (193 m).

DATUM.--Land-surface datum is about 305 ft (93 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, at land-surface datum.

REMARKS.--Water levels affected by nearby pumping.

PERIOD OF RECORD.--January 1954 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 136.73 ft (41.68 m) below land-surface datum, Mar. 30, 1954; lowest measured, 206.83 ft (63.04 m) below land-surface datum, Sept. 28, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 11	204.64	DEC 18	203.19	FEB 15	201.97	JUL 25	204.99
NOV 21	203.74	JAN 16	202.59	MAR 21	202.43	SEP 7	206.83

322222090095201. Local number, H164.

LOCATION.--Lat 32°22'22", long 90°09'52", Hydrologic Unit 03180002, SW¼SE¼ sec.11, T.6 N., R.1 E., 7 mi (11 km) north of center of Jackson on North State Street.

Owner: Homewood Manor Traylor Court.

AQUIFER.--Sparta Sand of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled domestic artesian well, diameter 4 in (10 cm), depth 738 ft (225 m).

DATUM.--Land-surface datum is about 298 ft (91 m) National Geodetic Vertical Datum of 1929. Measuring point: Plug in west side of casing, 0.3 ft (0.09 m) above land-surface datum.

PERIOD OF RECORD.--January 1975, June 1977 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured 195.65 ft (59.63 m) below land-surface datum, June 10, 1977; lowest measured 209.00 ft (63.70 m) below land-surface datum, July 26, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL
MAR 22	203.32	JUL 26	209.00

GROUND-WATER LEVELS

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HINDS COUNTY--Continued

321512090283301. Local number, K55.

LOCATION.--Lat 32°15'12", long 90°28'33", Hydrologic Unit 08060202, NW¼NE¼ sec.26, T.5 N., R.3 W., 2.2 mi (3.5 km) west of Raymond.

Owner: J. Eastwood.

AQUIFER.--Sand of Mint Spring Marl of Vicksburg Group of Oligocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10 cm), depth 195 ft (59 m).

DATUM.--Land-surface datum is about 242 ft (74 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of plastic well casing, 1.5 ft (0.46 m) above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured 61.13 ft (18.6 m) below land-surface datum, Sept. 24, 1979; lowest measured, 61.13 ft (18.6 m) below land-surface datum, Sept. 24, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL
SEP 24	61.13

321521090245101. Local number, L5.

LOCATION.--Lat 32°15'21", long 90°24'51", Hydrologic Unit 08060202, NE¼NW¼ sec.20, T.5 N., R.2 E., 0.1 mi (0.2 km) northwest of center of Raymond on Court Street east of Oak Street.

Owner: Town of Raymond.

AQUIFER.--Sand of Cockfield Formation of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in (30 cm), depth 1,185 ft (361 m).

DATUM.--Land-surface datum is about 328 ft (100 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of air vent in pump base, 1.00 ft (0.30 m) above land-surface datum.

PERIOD OF RECORD.--September 1960, April 1970 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 191.70 ft (58.43 m) below land-surface datum, Mar. 18, 1971; lowest measured, 209.39 ft (63.82 m) below land-surface datum, May 8, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 11	203.79	MAR 28	208.43	MAY 8	209.39

321300090142001. Local number, R23.

LOCATION.--Lat 32°13'00", long 90°14'20", Hydrologic Unit 03180002, SE¼NW¼ sec.6, T.4 N., R.1 E., 6 mi (9.7 km) south of center of Jackson at Taylorsville on Elton Road near Terry Road.

Owner: E. J. Ainsworth.

AQUIFER.--Sand of Cockfield Formation of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10 cm), depth 840 ft (256 m).

DATUM.--Land-surface datum is about 380 ft (116 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, at land-surface datum.

PERIOD OF RECORD.--June 1959 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 220.97 ft (67.35 m) below land-surface datum, June 30, 1959; lowest measured, 272.99 ft (83.21 m) below land-surface datum, Mar. 21, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL
MAR 21	272.99	JUL 26	270.51

320620090370001. Local number, S3.

LOCATION.--Lat 32°06'20", long 90°37'00", Hydrologic Unit 08060203, NE¼NW¼ sec.16, T.3 N., R.4 W., 1 mi (1.6 km) east of center of Utica on State Highway 28 near State Highway 27.

Owner: Town of Utica.

AQUIFER.--Sand of Cockfield Formation of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 10 in (25 cm), depth 1,310 ft (399 m), screened 1,240-1,310 ft (378-399 m).

DATUM.--Land-surface datum is about 308 ft (94 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.40 ft (0.43 m) above land-surface datum.

PERIOD OF RECORD.--October 1956 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 179.65 ft (54.76 m) below land-surface datum, Feb. 27, 1958; lowest measured, 192.30 ft (58.61 m) below land-surface datum, June 6, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL
MAR 28	183.12

GROUND-WATER LEVELS

HOLMES COUNTY

330650090034501. Local number, L43.

LOCATION.--Lat 33°06'50", long 90°03'45", Hydrologic Unit 08030206, SW¼NE¼ sec.35, T.15 N., R.2 E., 0.3 mi (0.5 km) west of center of Lexington on Boulevard Street at McLean Street.

Owner: Eric Norquist.

AQUIFER.--Sand of Tallahatta Formation of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 2 in (5.1 cm), depth reported 1,000 ft (305 m).

DATUM.--Land-surface datum is about 205 ft (62 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of tee at well head, at land-surface datum.

PERIOD OF RECORD.--October 1957, January 1959, April 1962, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 2.90 ft (0.88 m) above land-surface datum, Jan. 12, 1959; lowest measured, 0.90 ft (0.27 m) below land-surface datum, Nov. 3, 1976.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL
MAY	0.36

330448090192201. Local number, P159.

LOCATION.--Lat 33°04'48", long 90°19'22", Hydrologic Unit 08030206, NE¼NW¼ sec.8, T.14 N., R.1 W., at Thornton.

Owner: M. L. Smith.

AQUIFER.--Meridian Sand Member of Tallahatta Formation of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled domestic artesian well, diameter 3-2 in (7.6-5.1 cm), depth, 1,597 ft (487 m), screened 1,557-1,597 ft (475-487 m).

DATUM.--Land-surface datum is 111.72 ft (34.05 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 3-in (7.6-cm) tee, at land-surface datum.

PERIOD OF RECORD.--February 1939 to April 1972, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 139.6 ft (42.6 m) above land-surface datum, July 31, 1941; lowest measured, 74.0 ft (22.6 m) above land-surface datum, Oct. 12, 1978.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 12	74.0	MAY 10	83.0

330443089512503. Local number, T4.

LOCATION.--Lat 33°04'43", long 89°51'25", Hydrologic Unit 08060201, SE¼ sec.11, T.14 N., R.4 E., 0.3 mi (0.5 km) northwest of center of Durant at Lamar Street and Ramsey Street.

Owner: Town of Durant.

AQUIFER.--Meridian Sand Member of Tallahatta Formation of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 10 in (25 cm), depth 700 ft (213 m).

DATUM.--Land-surface datum is 267 ft (81 m) National Geodetic Vertical Datum of 1929. Measuring point: 3/4-in (1.90-cm) hole in west side of well head, 1.00 ft (0.30 m) above land-surface datum.

PERIOD OF RECORD.--January 1957, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6 ft (1.8 m) above land-surface datum, January 1957; lowest measured, 23.00 ft (7.01 m) below land-surface datum, Apr. 28, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL
APR 24	21.23

330420089510901. Local number, T14.

LOCATION.--Lat 33°04'20", long 89°51'09", Hydrologic Unit 08060201, SE¼NE¼ sec.14, T.14 N., R.4 E., 0.1 mi (0.2 km) southeast of center of Durant at Cedar Street and Love Street.

Owner: Illinois Central Railroad.

AQUIFER.--Sand of Tallahatta Formation of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 8 in (20 cm), depth 608 ft (185 m), cased to 588 ft (179 m).

DATUM.--Land-surface datum is about 263 ft (80 m) National Geodetic Vertical Datum of 1929. Measuring point: 2-in (5.1-cm) hole in top of casing, 0.60 ft (0.18 m) above land-surface datum.

PERIOD OF RECORD.--October 1959, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.77 ft (2.06 m) above land-surface datum, Oct. 8, 1959; lowest measured, 8.22 ft (2.51 m) below land-surface datum, Apr. 24, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL
APR 24	8.22

GROUND-WATER LEVELS

353

HUMPHREYS COUNTY

331151090290201. Local number, C110.

LOCATION.--Lat 33°11'51", long 90°29'02", Hydrologic Unit 08030207, NW¼NW¼ sec.35, T.16 N., R.3 W., 1.4 mi (2.2 km) northeast of center of Belzoni on east side of U.S. Highway 49W.

Owner: Wister Henry.

AQUIFER.--Meridian Sand Member of Tallahatta Formation of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled domestic artesian well, diameter 4-2 in (10-5.1 cm), depth 1,627 ft (496 m), screened 1,587-1,627 ft (484-496 m).

DATUM.--Land-surface datum is 115.21 ft (35.12 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 4-in (10-cm) tee, 0.50 ft (0.15 m) above land-surface datum.

PERIOD OF RECORD.--November 1939 to December 1941, April 1944 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 114.3 ft (34.8 m) above land-surface datum, Feb. 1, 1941; lowest measured, 52.50 ft (16.00 m) above land-surface datum, Oct. 12, 1978.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 12	52.50	MAR 21	60.00

ITAWAMBA COUNTY

341633088243801. Local number, G24.

LOCATION.--Lat 34°16'33", long 88°24'38", Hydrologic Unit 03160101, NW¼NE¼ sec.25, T.9 S., R.8 E., 0.2 mi (0.3 km) northwest of center of Fulton on Hill Street at Waterworks.

Owner: Town of Fulton.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 8 in (20 cm), depth 164 ft (50 m).

DATUM.--Land-surface datum is about 320 ft (98 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.25 ft (0.38 m) above land-surface datum.

PERIOD OF RECORD.--August 1954, August 1957 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 23.6 ft (7.2 m) below land-surface datum, Feb. 16, 1959; lowest measured, 74.65 ft (22.75 m) below land-surface datum, Apr. 20, 1971.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 12	36.76	MAY 16	33.36

341604088244601. Local number, G67.

LOCATION.--Lat 34°16'04", long 88°24'46", Hydrologic Unit 03160101, SW¼SE¼ sec.25, T.9 S., R.8 E., 0.6 mi (1.0 km) southeast of center of Fulton along railroad track.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (15 cm) depth 175 ft (53 m).

DATUM.--Land-surface datum is about 284 ft (87 m) National Geodetic Vertical Datum of 1929. Measuring point: Base of recorder house floor 3.80 ft (1.16 m) above land surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured 8.17 ft (2.49 m) below land-surface datum, June 8, 1978; lowest measured, 25.36 ft (7.73 m) below land-surface datum, Sept. 30, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	12.24	11.54	10.25	9.89	9.53	8.92	9.19	8.89	9.18	---	---	16.95
10	12.13	11.30	10.22	9.83	9.49	9.19	9.29	9.00	9.62	---	---	20.13
15	12.51	11.14	10.17	9.99	9.42	9.29	8.89	9.06	10.51	---	---	20.45
20	12.53	10.93	10.13	9.53	9.48	9.93	9.18	9.62	10.95	---	---	21.13
25	12.20	10.75	10.23	9.43	9.10	10.69	9.09	10.14	---	---	---	21.66
EOM	11.92	10.53	10.16	9.56	9.13	9.89	9.13	9.42	---	---	17.62	25.36

GROUND-WATER LEVELS

JACKSON COUNTY

302454088493401. Local number, N48.

LOCATION.--Lat 30°24'55", long 88°49'35", Hydrologic Unit 03170009, SE¼SW¼ sec.19, T.7 S., R.8 W., 0.1 mi (0.2 km) east of depot at Ocean Springs at Robinson Ave. and Cash Alley.

Owner: Louisville and Nashville RR.

AQUIFER.--Sand of Graham Ferry Formation of Pliocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (15 cm), depth reported 535 ft (163 m), screened 495-535 ft (151-163 m), cased to 495 ft (151 m).

DATUM.--Land-surface datum is about 23 ft (7 m) National Geodetic Vertical Datum of 1929. Measuring point: Hole in northwest side of pump, 0.80 ft (0.24 m) above land-surface datum.

PERIOD OF RECORD.--1928, April 1939, August 1958 to July 1963, July 1965 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 30.0 ft (9.1 m) above land-surface datum, 1928; lowest measured, 65.13 ft (19.85 m) below land-surface datum, July 15, 1977.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 5	64.66	MAR 5	61.34	JUN 8	63.83

302454088493402. Local number, N49.

LOCATION.--Lat 30°24'54", long 88°49'34", Hydrologic Unit 03170009, SE¼SW¼ sec.19, T.7 S., R.8 W., 0.1 mi (0.2 km) east of depot at Oceans Springs at Robinson Avenue and Casy Alley.

Owner: Louisville and Nashville Railroad.

AQUIFER.--Sand of Pascagoula Formation of late Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10 cm), depth 1,290 ft (393 m).

DATUM.--Land-surface datum is about 25 ft (8 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 4-in (10.2-cm) ell, 2 ft (0.61 m) above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 24 ft (7.3 m) above land-surface datum, April 20, 1977; lowest measured, 21.00 ft (6.40 m) above land-surface datum, June 8, 1979.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 5	21.87	MAR 5	23.95	JUN 8	21.00

302357088473801. Local number, N73.

LOCATION.--Lat 30°23'57", long 88°47'38", Hydrologic Unit 03170009, SE¼NW¼ sec.28, T.2 S., R.8 W., 2 mi (3.2 km) southeast of center of Ocean Springs on Henley Street near park entrance.

Owner: Magnolia State Park.

AQUIFER.--Sand of Graham Ferry Formation of Pliocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10 cm), depth 536 ft (163 m), screened 516-536 ft (157-163 m).

DATUM.--Land-surface datum is about 22 ft (7 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.00 ft (0.30 m) above land-surface datum.

PERIOD OF RECORD.--April 1938, June 1956 to April 1973, June 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 12.0 ft (3.7 m) above land-surface datum, Apr. 8, 1938; lowest measured, 63.07 ft (20.43 m) below land-surface datum, July 11, 1977.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 5	61.27	MAR 5	60.23	JUN 8	61.45

302451088325901. Local number, P45.

LOCATION.--Lat 30°24'51", long 99°32'59", Hydrologic Unit 03170008, NE¼NE¼ sec.10, T.7 S., R.6 W., 0.5 mi (0.8 km) northwest of center of Moss Point at Weems Street and Dantzler Street.

Owner: Central Artesian Well Co.

AQUIFER.--Sand of Pascagoula Formation of late Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10 cm), depth 806 ft (246 m), cased to 806 ft (246 m).

DATUM.--Land-surface datum is about 20 ft (6 m) National Geodetic Vertical Datum of 1929. Measuring point: Hole in tee, 0.80 ft (0.24 m) above land-surface datum.

PERIOD OF RECORD.--September 1919, September 1958 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 28.0 ft (8.5 m) above land-surface datum, Sept. 6, 1919; lowest measured, 51.73 ft (15.77 m) below land-surface datum, July 26, 1977.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 4	49.34	APR 5	48.04

JACKSON COUNTY--Continued

302244088325801. Local number, P68.

LOCATION.--Lat 30°22'44", long 88°32'58", Hydrologic Unit 03170006, SE¼NE¼ sec.2, T.8 S., R.6 W., 1 mi (1.6 km) north of center of Pascagoula at Market Street and River Road.

Owner: City of Pascagoula.

AQUIFER.--Sand of Graham Ferry Formation of Pliocene age.

WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 12 in (30 cm), depth 292 ft (89 m), cased to 282 ft (86 m).

DATUM.--Land-surface datum is about 12 ft (3.7 m) National Geodetic Vertical Datum of 1929. Measuring point: Air vent in top of plate at well head, 1.00 ft (0.30 m) above land-surface datum.

PERIOD OF RECORD.--April 1959 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 51.05 ft (15.56 m) below land-surface datum, Apr. 18, 1962; lowest measured, 95.90 ft (29.23 m) below land-surface datum, July 12, 1977.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL
OCT 5	82.87

302205088334005. Local number, P113.

LOCATION.--Lat 30°22'05", long 88°33'40", Hydrologic Unit 03170006, NW¼NW¼ sec.5, T.8 S., R.6 W., 0.2 mi (0.3 km) northwest of center of Pascagoula at Railroad Ave. and Frederic Street.

Owner: City of Pascagoula.

AQUIFER.--Sand of Graham Ferry Formation of Pliocene age.

WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 10 in (25 cm), depth 388 ft (118 m), cased to 308 ft (94 m).

DATUM.--Land-surface datum is about 13 ft (4.0 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing (since Apr. 20, 1976), at land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 34.40 ft (10.49 m) below land-surface datum, Apr. 10, 1958; lowest measured, 75.58 ft (23.04 m) below land-surface datum, July 13, 1977.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL
APR 5	61.16

302134088330803. Local number, P124.

LOCATION.--Lat 30°21'34", long 88°33'08", Hydrologic Unit 03170006, SW¼SE¼ sec.11, T.8 S., R.6 W., 0.5 mi (0.8 km) southeast of center of Pascagoula at Community Street east of Pascagoula Street.

Owner: City of Pascagoula.

AQUIFER.--Sand of Pascagoula Formation of late Miocene age.

WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 12 in (30 cm), depth 801 ft (244 m), cased to 721 ft (220 m).

DATUM.--Land-surface datum is 10.50 ft (3.20 m) National Geodetic Vertical Datum of 1929. Measuring point: Hole in northeast side of plate at well head, 1.00 ft (0.30 m) above land-surface datum.

REMARKS.--Water levels affected by nearby pumping.

PERIOD OF RECORD.--April 1959 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.70 ft (1.43 m) below land-surface datum, Mar. 21, 1960; lowest measured, 144.64 ft (44.09 m) below land-surface datum, June 12, 1975.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 5	76.19	APR 5	72.59	JUN 20	75.98

302042088331801. Local number, P134.

LOCATION.--Lat 30°20'42", long 88°33'18", Hydrologic Unit 03170006, SE¼ sec.6, T.8 S., R.6 W., 1.5 mi (2.4 km) south of center of Pascagoula at Farnsworth Ave. and Firth St.

Owner: City of Pascagoula.

AQUIFER.--Sand of Pascagoula Formation of late Miocene age.

WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 12 in (30 cm), depth 750 ft (229 m).

DATUM.--Land-surface datum is 10.54 ft (3.21 m) National Geodetic Vertical Datum of 1929. Measuring point: Air vent in north side of pump base, 1.00 ft (0.30 m) above land-surface datum.

REMARKS.--Water levels affected by nearby pumping.

PERIOD OF RECORD.--April 1959 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 10.14 ft (3.09 m) below land-surface datum, May 5, 1960; lowest measured, 121.03 ft (36.89 m) below land-surface datum, June 12, 1975.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 5	60.70	APR 5	64.96

JACKSON COUNTY--Continued

302236088315401. Local number, P142.

LOCATION.--Lat 30°22'36", long 88°31'54", Hydrologic Unit 03170006, NE¼SE¼ sec.1, T.8 S., R.6 W., 1.5 mi (2.4 km) east of center of Pascagoula on U.S. Highway 90.

Owner: VFW Post 3373.

AQUIFER.--Sand of Pascagoula Formation of late Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 2 in (5 cm), depth 650 ft (198 m).

DATUM.--Land-surface datum is about 15 ft (4.6 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing at land-surface datum.

PERIOD OF RECORD.--1960, 1977, May 1978 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 24 ft (7.32 m) below land-surface datum, 1960; lowest measured, 148.13 ft (45.15 m) below land-surface datum, Oct. 4, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 4	148.13	APR 5	148.11

302535088303501. Local number, Q25.

LOCATION.--Lat 30°25'35", long 88°30'35", Hydrologic Unit 03170008, NW¼NE¼ sec.20, T.7 S., R.5 W., 2 mi (3.2 km) east of center of Escatawpa on Elder Ferry Road at packing plant.

Owner: Smith Fisheries.

AQUIFER.--Sand of Graham Ferry Formation of Pliocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in (30 cm), depth 200 ft (61 m).

DATUM.--Land-surface datum is about 4 ft (1.2 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.00 ft (0.30 m) above land-surface datum.

PERIOD OF RECORD.--June 1959 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 10.07 ft (3.07 m) below land-surface datum, Apr. 15, 1960; lowest measured, 49.56 ft (15.11 m) below land-surface datum, Apr. 30, 1971.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 4	45.86	APR 5	35.97

302126088293801. Local number, Q112.

LOCATION.--Lat 30°21'32", long 88°29'38", Hydrologic Unit 03170009, SW¼SW¼ sec.9, T.8 S., R.5 W., 5 mi (8 km) southeast of center of Pascagoula on east side of State Highway 611 north of Standard Oil Refinery.

Owner: Jackson County Board of Supervisors.

AQUIFER.--Sand of Citronelle Formation of Pliocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6-4 in (15-10 cm), depth 202 ft (62 m), screened 192-202 ft (59-62 m), cased to 192 ft (59 m).

DATUM.--Land-surface datum is about 3.4 ft (1.0 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.00 ft (0.61 m) above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.29 ft (1.92 m) below land-surface datum, May 6, 1960; lowest measured, 16.22 ft (4.94 m) below land-surface datum, July 14, 1977.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 4	14.66	APR 5	14.05

302304088305901. Local number, Q149.

LOCATION.--Lat 30°23'04", long 88°30'59", Hydrologic Unit 03170006, SE¼SE¼ sec.31, T.8 S., R.5 W., .5 mi (0.80 km) west of State Highway 607 on U.S. Highway 90 east of Pascagoula.

Owner: Dairy Fresh Corporation.

AQUIFER.--Sand of Graham Ferry Formation of Pliocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10 cm), depth 333 ft (101 m).

DATUM.--Land-surface datum is about 15 ft (4.6 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 4-in (10-cm) pipe, at land-surface datum.

PERIOD OF RECORD.--June 1963, August 1977 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 63 ft (19 m) below land-surface datum, June 1, 1963; lowest water level measured 111.52 ft (33.99 m) below land-surface datum, May 17, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 4	111.47	APR 5	108.52

GROUND-WATER LEVELS

357

JACKSON COUNTY--Continued

302103088294701. Local number, Q403.

LOCATION.--Lat 33°21'03", long 88°29'47", Hydrologic Unit 03170009, NE¼SE¼ sec.17, T.8 S., R.5 W., 5 mi (8 km) southeast of center of Pascagoula on west side of State Highway 611 at Coastal Chemical Co.
 Owner: U.S. Geological Survey.

AQUIFER.--Sand of Graham Ferry Formation of Pliocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (15 cm), depth 346 ft (105 m), cased to 340 ft (104 m).

DATUM.--Land-surface datum is about 12 ft (3.7 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.3 ft (1.0 m) above land-surface datum.

REMARKS.--Water levels affected by nearby pumping.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 115.66 ft (35.25 m) below land-surface datum, May 17, 1977; lowest measured, 145.1 ft (44.2 m) below land-surface datum, June 19, 1974.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 4	116.56	JAN 11	126.45	APR 5	131.50	JUN 21	128.85	SEP 7	135.60
NOV 29	116.65	FEB 21	118.35	MAY 23	130.60	AUG 9	132.20		

302253088302401. Local number Q407.

LOCATION.--Lat 30°22'53", long 88°30'24", Hydrologic Unit 03170006, SW¼NW¼ sec.5, T.8 S., R.5 W., 2.5 mi (4 km) east of center of Pascagoula on Old Mobile Highway at Chateau Drive.
 Owner: City of Pascagoula.

AQUIFER.--Sand of Graham Ferry Formation of Pliocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in (30 cm), depth 327 ft (97 m).

DATUM.--Land-surface datum is about 13.5 ft (4.1 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 2-in (5.1-cm) pipe, 2.50 ft (.76 m) above land-surface datum.

REMARKS.--Water levels affected by nearby pumping.

PERIOD OF RECORD.--March 1975, April 1978 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 92.0 ft (28.04 m) below land-surface datum March 1, 1975; lowest measured, 146.93 ft (44.78 m) below land-surface datum, Oct. 4, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 4	146.93	NOV 29	116.65	JAN 11	126.45	APR 5	145.76

302141088313101. Local number, Q424.

LOCATION.--Lat 30°21'41", long 88°31'31", Hydrologic Unit 03170009 sec.30, T.8 S., R.6 W., 1.5 mi (2.4 km) east of center of Pascagoula at Chico and Scovel Streets.
 Owner: City of Pascagoula.

AQUIFER.--Sand of Citronelle Formation of Pliocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (15 cm), depth 182 ft (55 m).

DATUM.--Land-surface datum is about 12 ft (3.7 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 1.00 ft (0.30 m) above land-surface datum.

PERIOD OF RECORD.--September 1976 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 22.04 ft (6.72 m) below land-surface datum, Apr. 5, 1979; lowest measured, 25.0 ft (7.6 m) below land-surface datum, Sept. 2, 1976.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 4	22.89	JAN 11	22.78	APR 5	22.04	AUG 9	22.36
NOV 29	22.70	FEB 21	22.80	MAY 23	22.49		

GROUND-WATER LEVELS

JEFFERSON COUNTY

314247091034201. Local number, H3.

LOCATION.--Lat 31°42'40", long 91°03'40", Hydrologic Unit 08060204, SW¼NW¼ lot 45, T.9 N., R.1 E., 0.1 mi (0.2 km) west of courthouse in Fayette at waterworks.

Owner: Town of Fayette.

AQUIFER.--Sand of Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 8 in (20 cm), depth reported 272 ft (83 m), screened 232-272 ft (71-83 m), cased to 232 ft (71 m).

DATUM.--Land-surface datum is 280 ft (85 m) National Geodetic Vertical Datum of 1929 (formerly 270 ft). Measuring point: Top of casing, 1.10 ft (0.34 m) above land-surface datum.

REMARKS.--Water levels affected by nearby pumping.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 117.60 ft (35.84 m) below land-surface datum, Sept. 9, 1962; lowest measured, 144.36 ft (44.00 m) below land-surface datum, Oct. 11, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 11	144.36	MAR 30	141.98

JONES COUNTY

313928089103001. Local number, F20.

LOCATION.--Lat 31°39'28", long 89°10'30", Hydrologic Unit 03170005, NE¼SE¼ sec.14, T.8 N., R.12 W., 5 mi (8 km) southwest of center of Laurel and 0.2 mi (0.3 km) south of Laurel Airport.

Owner: City of Laurel.

AQUIFER.--Sand of Catahoula Sandstone of Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 20-12 in (51-30 cm), depth 466 ft (142 m), cased to 406 ft (124 m).

DATUM.--Land-surface datum is about 220 ft (67 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 2.00 ft (0.61 m) above land-surface datum.

REMARKS.--Water levels affected by nearby pumping.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 118.8 ft (36.2 m) below land-surface datum, Dec. 5, 1977; lowest measured, 174.47 ft (53.18 m) below land-surface datum, July 4, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	166.79	---	---	---	---	142.26	141.60	149.95	160.89	169.15	156.14	159.48
10	---	---	---	---	---	144.20	140.92	149.40	160.14	166.99	168.82	153.58
15	---	---	---	---	---	142.50	139.94	147.76	167.10	161.43	165.63	163.82
20	---	---	---	---	---	142.83	148.53	148.62	167.33	165.71	166.34	164.12
25	---	---	---	---	143.85	138.28	146.19	156.99	168.92	159.41	168.16	163.97
EOM	---	---	---	---	148.22	142.26	150.32	158.70	173.24	162.42	165.23	161.35

314053089065001. Local number, G10.

LOCATION.--Lat 31°40'53", long 89°06'50", Hydrologic Unit 03170005, NW¼NE¼ sec.6, T.8 N., R.11 W., 0.5 mi (0.8 km) west of center of Laurel at 6th street and 9th Avenue at waterworks.

Owner: City of Laurel.

AQUIFER.--Sparta Sand of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 8 in (20 cm), depth 1,316 ft (401 m), cased to 1,236 ft (377 m).

DATUM.--Land-surface datum is 278.04 ft (84.75 m) National Geodetic Vertical Datum of 1929. Measuring points: 1-in (2.54-cm) nipple in steel plate on well head 5.0 ft (1.5 m) above land-surface datum.

PERIOD OF RECORD.--April 1962 to April 1963, June 1970 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 22.47 ft (6.85 m) below land-surface datum, Apr. 17, 1962; lowest measured, 39.10 ft (11.92 m) below land-surface datum, Apr. 23, 1974.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 2	37.95	MAR 6	36.87

GROUND-WATER LEVELS

359

JONES COUNTY--Continued

314143089083901. Local number, G55.

LOCATION.--Lat 31°41'43", long 89°08'39", Hydrologic Unit 03170005, NW¼NW¼ sec.6, T.8 N., R.11 W., 1 mi (1.6 km) west of the center of Laurel at 6th Street and 14th Avenue.

Owner: City of Laurel.

AQUIFER.--Sand of Catahoula Sandstone of Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 24-12 in (61-30 cm), depth 405 ft (123 m), cased to 345 ft (105 m).

DATUM.--Land-surface datum is 279.2 ft (85.1 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 2.00 ft (0.61 m) above land-surface datum.

REMARKS.--Water level affected by nearby pumping.

PERIOD OF RECORD.--March 1964, January 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 126 ft (38 m) below land-surface datum, Mar. 1964; lowest measured, 197.50 ft (60.20 m) below land-surface datum, Oct. 31, 1977.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 2	183.55	FEB 21	167.78	APR 10	173.22	JUN 21	173.84
JAN 16	178.73	MAR 6	170.12	MAY 23	161.79	AUG 23	177.43

LAFAYETTE COUNTY

342550089312801. Local number, B4.

LOCATION.--Lat 34°25'50", long 89°31'28", Hydrologic Unit 08030201, SW¼NW¼ sec.33, T.7 S., R.3 W., 5 mi (8 km) north of center of Oxford on west side of State Highway 7.

Owner: U.S. Plywood Company.

AQUIFER.--Sand of the Meridian Sand Member of the Tallahatta Formation of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in (30 cm), depth 248 ft (76 m), cased to 208 ft (63 m).

DATUM.--Land-surface datum is about 430 ft (131 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of concrete base, 1.80 ft (0.55 m) above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 81.07 ft (24.71 m) below land-surface datum, Sept. 24, 1979; lowest measured, 88.65 ft (27.02 m) below land-surface datum, Dec. 29, 1977.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 18	82.96	MAR 6	82.90	APR 25	81.80	SEP 24	81.07

342136089315001. Local number, F5.

LOCATION.--Lat 34°21'36", long 89°31'50", Hydrologic Unit 08030203, NW¼NE¼ sec.29, T.8 S., R.3 W., 1 mi (1.6 km) southwest of center of Oxford at University.

Owner: University of Mississippi.

AQUIFER.--Sand of the Meridian Sand Member of the Tallahatta Formation of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 16 in (41 cm), depth 113 ft (34 m), cased to 98 ft (30 m).

DATUM.--Land-surface datum is about 460 ft (140 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of concrete base, 1.00 ft (0.30 m) above land-surface datum.

PERIOD OF RECORD.--1962, October 1976 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 71.14 ft (21.7 m) below land-surface datum, Dec. 9, 1976; lowest measured, 82.00 ft (25 m) below land-surface datum, Mar. 1962.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 20	78.90	JAN 17	78.40	MAR 6	79.20	APR 25	78.62	JUL 23	78.12	SEP 24	76.47

342130089313001. Local number, F21.

LOCATION.--Lat 34°21'30", long 89°31'30", Hydrologic Unit 08030203, SW¼NW¼ sec.28, T.8 S., R.3 W., 1.5 mi (2.4 km) southwest of center of Oxford at Chambers Manufacturing Company south of State Highway 6 on Old Taylor Rd.

Owner: City of Oxford.

AQUIFER.--Sand of the Meridian Sand Member of the Tallahatta Formation of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 16 in (41 cm), depth reported 250 ft (76 m).

DATUM.--Land-surface datum is about 470 ft (143 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of concrete base, 1.00 ft (0.30 m) above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 81.06 ft (24.71 m) below land-surface datum, July 23, 1979, lowest measured, 113.20 ft (34.50 m) below land-surface datum, Jan. 13, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 13	113.20	APR 25	105.74	JUL 23	81.06	SEP 24	81.07

GROUND-WATER LEVELS

LAFAYETTE COUNTY--Continued

342104089320301. Local number, F112.

LOCATION.--Lat 34°21'04", long 89°32'03", Hydrologic Unit 08030203, SW¼SE¼ sec.29, T.8 S., R.3 W., 1.5 mi (2.4 km) south of State Highway 6 on Old Taylor Rd.

Owner: City of Oxford.

AQUIFER.--Sand of the Wilcox Group of early Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (15 cm), depth 439 ft (134 m).

DATUM.--land-surface datum is about 470 ft (143 m) National Geodetic Vertical Datum of 1929. Measuring point:

Top of 6-in (15-cm) casing, 1.00 ft (0.30 m) above land-surface datum.

REMARKS.--Water levels affected by pumping.

PERIOD OF RECORD.--October 1976 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 170.65 ft (52.01 m) below land-surface datum, Sept. 24, 1979; lowest measured, 226.15 ft (68.93 m) below land-surface datum, June 30, 1977.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 20	178.00	JAN 17	175.80	MAR 6	174.20	APR 25	172.30	JUL 23	171.38	SEP 24	170.65

LAMAR COUNTY

310935089252001. Local number, L63.

LOCATION.--Lat 31°09'35", long 89°25'20", Hydrologic Unit 03180004, SE¼SE¼ sec.5, T.2 N., R.14 W., 1.5 mi (2.4 km) northwest of center of Purvis on State Highway 581 at elevated water tank.

Owner: Progress Water Association.

AQUIFER.--Sand of the Catahoula Sandstone of early Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 8 in (20 cm), depth 960 ft (293 m), cased to 910 ft (277 m).

DATUM.--Land-surface datum is about 370 ft (113 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 2.30 ft (0.70 m) above land-surface datum.

PERIOD OF RECORD.--1968, September 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 220 ft (67 m) below land-surface datum, 1968; lowest measured, 256.20 ft (78.09 m) below land-surface datum, Aug. 23, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 16	255.53	FEB 19	254.43	MAY 2	254.54	AUG 23	256.20

LAUDERDALE COUNTY

321902088445701. Local number, M3.

LOCATION.--Lat 32°19'02", long 88°44'57", Hydrologic Unit 03170001, NW¼SE¼ sec.34, T.6 N., R.15 E., 4 mi (6.4 km) southwest of center of Meridian on U.S. Highway 11 at fish hatchery.

Owner: U.S. Fish and Wildlife.

AQUIFER.--Sand of lower part of the Wilcox Group of late Paleocene age.

WELL CHARACTERISTICS.--Drilled hatchery-supply artesian well, diameter 10-8 in (25-20 cm), depth 729 ft (222 m), cased to 688 ft (210 m).

DATUM.--Land-surface datum is about 280 ft (85 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of air vent in pump base, at land-surface datum.

REMARKS.--Water levels affected by pumping.

PERIOD OF RECORD.--January 1964 to October 1969, April 1971 to November 1974, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 1.45 ft (0.44 m) above land-surface datum, Apr. 21, 1976; lowest measured, 34.60 ft (10.55 m) below land-surface datum, Dec. 17, 1968.

WATER LEVEL, IN FEET ABOVE AND (-) BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 3	0.79	JUN 1	-9.90

LEAKE COUNTY

324427089295201. Local number, L1.

LOCATION.--Lat 32°44'20", long 89°29'50", Hydrologic Unit 03180001, SW¼SE¼ sec.5, T.10 N., R.8 E., 2.5 mi (4.0 km) east of center of Carthage on State Highway 16 at McAfee.

Owner: C. Daugherty

AQUIFER.--Sand of middle part of Wilcox Group of late Paleocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4-2 in (10-5.1 cm), depth reported 700 ft (213 m), screened 680-700 ft (207-213 m), cased to 680 ft (207 m).

DATUM.--Land-surface datum is about 350 ft (107 m) National Geodetic Vertical Datum of 1929. Measuring point: OF RECORD.--June 1957 to October 1963, April 1965, November 1968 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 20.81 ft (6.34 m) below land-surface datum, May 1, 1958; lowest measured, 39.40 ft (12.01 m) below land-surface datum, Aug. 8, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL
AUG 8	39.40

LEE COUNTY

341632088403001. Local number, H9.

LOCATION.--Lat 34°16'32", long 88°40'30", Hydrologic Unit 03160102, SW¼NE¼ sec.28, T.9 S., R.6 E., about 2.5 mi (4 km) east of Tupelo and north of U.S. Highway 78 on Saltillo road.

Owner: Pierce Grocery.

AQUIFER.--Sand of Eutaw Formation of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled domestic artesian well, diameter 4 in (10 cm), depth 335 ft (102 m).

DATUM.--Land-surface datum is about 280 ft (85 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 4-in (10-cm) casing, at land-surface datum

PERIOD OF RECORD.--December 1947, January 1967 to February 1968, October 1978 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 35 ft (10.7 m) below land-surface datum, Dec. 1, 1947; lowest measured 159.77 ft (48.70 m) below land-surface datum, Oct. 11, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL
OCT 11	159.77

341547088422901. Local number, H22.

LOCATION.--Lat 34°15'47", long 88°42'29", Hydrologic Unit 03160102, NW¼NW¼ sec.31, T.9 S., R.6 E., 0.5 mi (0.8 km) northwest of center of Tupelo at Leake Street and Park Ave.

Owner: City of Tupelo.

AQUIFER.--Sand of Eutaw Formation of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12-8 in (30-20 cm), depth 430 ft (131 m), cased to 370 ft (113 m).

DATUM.--Land-surface datum is about 280 ft (85 m) National Geodetic Vertical Datum of 1929. Measuring point: Air vent in north side of pump base, at land-surface datum.

REMARKS.--Water level affected by nearby pumping.

PERIOD OF RECORD.--1954, October 1965 to October 1967, April 1971 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 120 ft (37 m) below land-surface datum, 1954; lowest measured, 218.50 ft (66.60 m) below land-surface datum, Aug. 21, 1972.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 11	214.20	MAY 16	214.34

341939088423601. Local number, H35.

LOCATION.--Lat 34°19'39", long 88°42'36", Hydrologic Unit 03160102, SW¼NE¼ sec.6, T.9 S., R.6 E., 0.5 mi (0.8 km) north of center of Tupelo on U.S. Highway 45 at Natchez Trace.

Owner: Natchez Trace Parkway.

AQUIFER.--Sand of Eutaw Formation of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10 cm), depth 400 ft (122 m), cased to 20 ft (6.1 m).

DATUM.--Land-surface datum is about 325 ft (99 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.50 ft (0.15 m) above land-surface datum.

PERIOD OF RECORD.--April 1958 to December 1968, October 1975 to September 1976.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 65.32 ft (19.91 m) below land-surface datum, June 17, 1958; lowest measured, 140.24 ft (42.75 m) below land-surface datum, May 16, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 10	139.21	MAY 16	140.24

LEE COUNTY--Continued

341536088421001. Local number, H42.

LOCATION.--Lat 34°15'36", long 88°42'10", Hydrologic Unit 03160102, SE¼NE¼ sec.31, T.9 S., R.6 E., 0.2 mi (0.3 km) northeast of center of Tupelo at Spring Street and Sherwood at waterworks.

Owner: City of Tupelo.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 16-10 in (41-25 cm), depth 562 ft (171 m), cased to 510 ft (155 m).

DATUM.--Land-surface datum is about 280 ft (85 m) National Geodetic Vertical Datum of 1929. Measuring point: Air vent in east side of pump base, 3.00 ft (0.91 m) above land-surface datum.

REMARKS.--Water levels affected by nearby pumping.

PERIOD OF RECORD.--August 1966, October 1971 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 164.00 ft (49.99 m) below land-surface datum, Aug. 16, 1966; lowest measured, 260.18 ft (79.30 m) below land-surface datum, May 17, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 11	242.79	MAY 17	260.18

341235088431601. Local number, K29.

LOCATION.--Lat 34°12'35", long 88°43'16", Hydrologic Unit 03160102, SE¼SE¼ sec.13, T.10 S., R.5 E., 3.5 mi (5.6 km) south of center of Tupelo on U.S. Highway 45 at Barber Milk Company.

Owner: Barber Milk Company.

AQUIFER.--Sand of Eutaw Formation of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 10 in (25 cm), depth reported 491 ft (150 m), cased to 451 ft (137 m).

DATUM.--Land-surface datum is about 345 ft (105 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 0.80 ft (0.24 m) above land-surface datum.

REMARKS.--Water levels effected by nearby pumping.

PERIOD OF RECORD.--January 1967 to October 1967, September 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 177.2 ft (54.0 m) below land-surface datum, Mar. 22, 1967; lowest measured, 279.25 ft (85.12 m) below land-surface datum, Aug. 29, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 11	273.90	JAN 31	270.99	MAR 21	271.20	MAY 15	274.50	AUG 8	278.20	AUG 29	279.25

340522088371701. Local number, O14.

LOCATION.--Lat 34°05'23", long 88°37'17", Hydrologic Unit 03160102, SW¼SE¼ sec.25, T.11 S., R.6 E., 0.1 mi (0.2 km) east of center of Nettleton on Main Street at waterworks.

Owner: Town of Nettleton.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 8 in (20 cm), depth 612 ft (187 m), cased to 587 ft (179 m).

DATUM.--Land-surface datum is about 260 ft (79 m) National Geodetic Vertical Datum of 1929. Measuring point: Hole in well base, 0.70 ft (0.21 m) above land-surface datum.

PERIOD OF RECORD.--July 1940, September 1962 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 22.40 ft (6.83 m) below land-surface datum, July 15, 1940; lowest measured, 52.79 ft (17.46 m) below land-surface datum, May 15, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 11	53.65	MAY 15	57.29

340523088371701. Local number, O15.

LOCATION.--Lat 34°05'23", long 88°37'17", Hydrologic Unit 03160102, SW¼SE¼ sec.25, T.11 S., R.6 E., 0.1 mi (0.2 km) east of center of Nettleton on Main Street at waterworks.

Owner: Town of Nettleton.

AQUIFER.--Sand of Eutaw Formation of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 8 in (20 cm), depth 282 ft (86 m).

DATUM.--Land-surface datum is about 266 ft (81 m) National Geodetic Vertical Datum of 1929. Measuring point: Air vent in west side of pump base, 2.00 ft (0.61 m) above land-surface datum.

PERIOD OF RECORD.--September 1956, March 1968, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 20 ft (6.1 m) below land-surface datum, September 1956; lowest measured, 81.33 ft (24.79 m) below land-surface datum, May 16, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 13	81.17	OCT 24	80.88	MAY 16	81.33

GROUND-WATER LEVELS

363

LEFLORE COUNTY

333840090175001. Local number, D8.

LOCATION.--Lat 33°38'40", long 90°17'50", Hydrologic Unit 08030207, SE¼NE¼ sec.33, T.21 N., R.1 W., 3 mi (4.8 km) east of center of Schlater at U.S. Highway 49 and State Highway 442.

Owner: Crossroads Gin.

AQUIFER.--Meridian Sand Member of Tallahatta Formation of middle Eocene age.

WELL CHARACTERISTICS.--Drilled gin-supply artesian well, diameter 4 in (10 cm), depth 902 ft (275 m), cased to 882 ft (269 m).

DATUM.--Land-surface datum is about 135 ft (41 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 4-in (10-cm) casing cap, at land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 8.1 ft (2.5 m) above land-surface datum, Feb. 10, 1976; lowest measured, 4.3 ft (1.3 m) above land-surface datum, Apr. 26, 1979.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL
APR 26	4.3

333823090205101. Local number, D160.

LOCATION.--Lat 33°38'23", long 90°20'51", Hydrologic Unit 08030207, NW¼SW¼ sec.31, T.21 N., R.1 W., 0.1 mi (0.2 km) east of center of Schlater on south side of State Highway 442.

Owner: Mrs. D. B. Jameson.

AQUIFER.--Meridian Sand Member of Tallahatta Formation of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 2 in (5.1 cm), depth 816 ft (249 m), cased to 816 ft (249 m).

DATUM.--Land-surface datum is 132.05 ft (40.25 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 1-in (2.54-cm) ell (since Feb. 10, 1976). 2.30 ft (0.70 m) above land-surface datum.

PERIOD OF RECORD.--September 1919, September 1938 to October 1968, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 30.0 ft (9.1 m) above land-surface datum, 1919; lowest measured, 6.95 ft (2.12 m) below land-surface datum, Apr. 26, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL
APR 26	6.95

333159090113401. Local number, L79.

LOCATION.--Lat 33°31'59", long 90°11'34", Hydrologic Unit 08030205, SW¼SE¼ sec.4, T.19 N., R.1 E., at elevated tank on Parkes Street near center of Greenwood.

Owner: City of Greenwood.

AQUIFER.--Meridian Sand Member of Tallahatta Formation of Middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 16 in (39 cm), depth 800 ft (244 m).

DATUM.--Land-surface datum is about 128 ft (39 m) National Geodetic Vertical Datum of 1929. Measuring point: End of 2-in (5-cm) nipple off 16-in (39-cm) casing, 2.2 ft (0.67 m) above land-surface datum.

PERIOD OF RECORD.--April 1960, April 1979 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.5 ft (1.37 m) above landsurface datum, April 28, 1960; lowest measured, 17.23 ft (5.25 m) below landsurface datum April 27, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL
APR 27	17.23

333135090124402. Local number, L111.

LOCATION.--Lat 33°31'35", long 90°12'44", Hydrologic Unit 08030205, SE¼SE¼ sec.8, T.19 N., R.1 E., at Henderson Generating Plant west of U.S. Highway 82, Greenwood.

Owner: City of Greenwood.

AQUIFER.--Mississippi River Valley Alluvium of Pleistocene and Holocene age.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 10 in (25 cm), depth 95 ft (29 m).

DATUM.--Land-surface datum is about 95 ft (29 m) National Geodetic Vertical Datum of 1929. Measuring point: Base of recorder shelter, 2.50 ft (0.76 m) above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 33.70 ft (10.2 m) below land-surface datum, April 27, 1979; lowest measured 33.70 ft (10.27 m) below land-surface datum, April 27, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL
APR 27	33.70

GROUND-WATER LEVELS

LEFLORE COUNTY--Continued

333151090085601. Local number, L136.

LOCATION.--Lat 33°31'51", long 90°08'56", Hydrologic Unit 08030205, NE¼NW¼ sec.12, T.19 N., R.1 E., 2 mi (3.2 km) east of center of Greenwood on Grenada Blvd. east of State Highway 7.

Owner: A. P. Haynes.

AQUIFER.--Meridian Sand Member of Tallahatta Formation of middle Eocene age.

WELL CHARACTERISTICS.--Drilled domestic artesian well, diameter 6 in (15 cm), depth 800 ft (244 m), screened 760-800 ft (232-244 m).

DATUM.--Land-surface datum is 131.30 ft (40.02 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 1½-in (3.18-cm) nipple (since Jan. 15, 1976), 1.00 ft (0.30 m) above land-surface datum.

PERIOD OF RECORD.--October 1938 to October 1967, June 1969, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 38.7 ft (11.8 m) above land-surface datum, July 4, 1942; lowest measured, 0.50 ft (0.15 m) above land-surface datum, June 7, 1978.

Measurement discontinued.

333050090112501. Local number, L150.

LOCATION.--Lat 33°30'50", long 90°11'25", Hydrologic Unit 08030205, NE¼NE¼ sec.16, T.19 N., R.1 E., at street department barn, Parkway and Johnson Streets, Greenwood.

Owner: City of Greenwood.

AQUIFER.--Sparta Sand of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10 cm), depth 220 ft (67 m).

DATUM.--Land-surface datum is about 126 ft (38 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 4-in (10-cm) casing, 1.5 ft (0.46 m) above land-surface datum.

PERIOD OF RECORD.--January 1964, April 1979 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 19.25 ft (5.87 m) below land-surface datum, Apr. 27, 1979; lowest measured, 50 ft (15 m) below land-surface datum, Jan. 22, 1964.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL
APR 27	19.25

333100090105801. Local number, L152.

LOCATION.--Lat 33°31'00", long 90°10'58", Hydrologic Unit 08030206, NE¼NW¼ sec.15, T.19 N., R.1 E., 0.1 mi (0.2 km) southwest of center of Greenwood at Cotton Street and Johnson Street.

Owner: City of Greenwood.

AQUIFER.--Sand of Tallahatta Formation of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (15 cm), depth 660 ft (201 m), reported screened 620-640 ft (189-195 m).

DATUM.--Land-surface datum is 133.98 ft (40.84 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 1½-in (1.3-cm) bushing in top of well, 2.80 ft (0.85 m) above land-surface datum.

REMARKS.--Water levels affected by nearby pumping. PERIOD OF RECORD.--1938, March 1940 to February 1950, April 1954 to current year. EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 19.9 ft (6.1 m) above land-surface datum, Aug. 5, 1944; lowest measured, 19.3 ft (5.9 m) below land-surface datum, June 27, 1948.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL
APR 27	10.01

LINCOLN COUNTY

313731090370101. Local number B37.

LOCATION.--Lat 31°37'31", long 90°37'01", Hydrologic Unit 03180005, NE¼NE¼ sec.32, T.8 N., R.6 E., 10 mi (16 km) west of Brookhaven.

Owner: Ronald Durr.

AQUIFER.--Sand of Miocene age.

WELL CHARACTERISTICS.--Drilled domestic artesian well, diameter 4 in (10 cm), depth 152 ft (46 m).

DATUM.--Land-surface datum is about 434 ft (132 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 4-in (10-cm) casing, 1.5 ft (0.46 m) above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 66 ft (20 m) below land-surface datum, Apr. 4, 1979; lowest measured 66 ft (20 m) below land-surface datum, Apr. 14, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL
APR 4	66

GROUND-WATER LEVELS

365

LINCOLN COUNTY--Continued

313504090261401. Local number, H10.

LOCATION.--Lat 31°35'04", long 90°26'14", Hydrologic Unit 03180005, SW¼SE¼ sec.7, T.7 N., R.8 E., 0.5 mi (0.8 km) north of center of Brookhaven at Second Street and Enterprise Street.

Owner: Brookhaven Creamery.

AQUIFER.--Sand of Citronelle Formation of Pliocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in (30 cm), depth 165 ft (50 m), cased to 115 ft (35 m). DATUM.--Land-surface datum is about 485 ft (148 m) National Geodetic Vertical Datum of 1929. Measuring point: Air vent, 2.00 ft (0.61 m) above land-surface datum.

REMARKS.--Substitute for well H9 which was destroyed in 1976.

PERIOD OF RECORD.--1969, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 60.54 ft (18.45 m) below land-surface datum, Oct. 11, 1978; lowest measured, 72 ft (22 m) below land-surface datum, January 1969.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 11	60.54	MAR 29	61.36

LOWNDES COUNTY

333845088275404. Local number, A14.

LOCATION.--Lat 33°38'45", long 88°27'54", Hydrologic Unit 03160101, NE¼SW¼ sec.19, T.16 S., R.18 W., 11 mi (18 km) northwest of center of Columbus on west side of U.S. Highway 45 at Columbus Air Base.

Owner: Columbus Air Base.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in (30 cm), depth 456 ft (139 m), screened 426-456 ft (130-139 m).

DATUM.--Land-surface datum is about 188 ft (57 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.50 ft (0.15 m) above land-surface datum.

PERIOD OF RECORD.--July 1973, 1975.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 10.16 ft (3.10 m) below land-surface datum, Jan. 28, 1975; lowest measured, 18.19 ft (5.54 m) below land-surface datum, Oct. 3, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 3	18.19	MAY 3	17.87

333306088255601. Local number, C29.

LOCATION.--Lat 33°33'06", long 88°25'56", Hydrologic Unit 03160101, SW¼SW¼ sec.28, T.17 S., R.18 W., 5 mi (8 km) north of center of Columbus on east side of U.S. Highway 45.

Owner: S. L. Thomason.

AQUIFER.--Sand of Eutaw Formation of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled domestic artesian well, diameter 4 in (10 cm), depth 200 ft (61 m).

DATUM.--Land-surface datum is about 205 ft (62 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.50 ft (0.15 m) above land-surface datum.

PERIOD OF RECORD.--March 1959 to April 1965, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 17.00 ft (5.18 m) below land-surface datum, July 29, 1959; lowest measured, 36.74 ft (11.20 m) below land-surface datum, Oct. 2, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL
OCT 2	36.74

333703088244801. Local number, C30.

LOCATION.--Lat 33°37'03", long 88°24'48", Hydrologic Unit 03160101, SE¼NW¼ sec.3, T.17 S., R.18 W., 10 mi (16 km) north of center of Columbus on east side of U.S. Highway 45.

Owner: T. S. Hodges.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled domestic artesian well, diameter 4 in (10 cm), depth 380 ft (116 m).

DATUM.--Land-surface datum is about 210 ft (64 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.50 ft (0.15 m) above land-surface datum.

PERIOD OF RECORD.--March 1959 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.53 ft (1.99 m) below land-surface datum, Mar. 13, 1959; lowest measured, 17.82 ft (5.43 m) below land-surface datum, Oct. 3, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 3	17.82	MAY 3	13.38

GROUND-WATER LEVELS

LOWNDES COUNTY--Continued

332838088393401. Local number, E5.

LOCATION.--Lat 33°28'38", long 88°39'34", Hydrologic Unit 03160104, NW¼NE¼ sec.31, T.19 N., R.16 E., 1.2 mi (1.9 km) southwest of center of Mayhew and 0.1 mi (0.2 km) southwest of intersection of U.S. Highways 45W and 82.

Owner: A. L. Echols.

AQUIFER.--Sand of Eutaw Formation of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled domestic artesian well, diameter 5 in (12.7 cm), depth 365 ft (111 m), cased to 40 ft (12 m).

DATUM.--Land-surface datum is about 226 ft (69 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.50 ft (0.15 m) above land-surface datum.

PERIOD OF RECORD.--November 1957 to April 1962, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 42.45 ft (12.94 m) below land-surface datum, Apr. 29, 1958; lowest measured, 94.93 ft (28.93 m) below land-surface datum, Apr. 12, 1976.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 5	92.08	MAY 3	91.40

332845088364901. Local number, E7.

LOCATION.--Lat 33°28'45", long 88°36'49", Hydrologic Unit 03160104, SE¼SW¼ sec.27, T.19 N., R.16 E., 1.3 mi (2.1 km) southeast of center of Mayhew on south side of U.S. Highway 82.

Owner: C. A. Pilkinton.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 2 in (5.1 cm), depth 800 ft (244 m), cased to 740 ft (226 m).

DATUM.--Land-surface datum is 191.99 ft (58.52 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of discharge pipe (since Apr. 6, 1970), 3.00 ft (0.91 m) above land-surface datum.

PERIOD OF RECORD.--1940, March 1959 to November 1963, April 1966 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 27.9 ft (8.5 m) above land-surface datum, 1940; lowest measured, 23.25 ft (7.09 m) below land-surface datum, Oct. 5, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO OCTOBER 1977

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 5	23.25	MAY 3	22.41

332945088225601. Local number, G33.

LOCATION.--Lat 33°29'45", long 88°22'56", Hydrologic Unit 03160105, NE¼SE¼ sec.14, T.18 S., R.18 W., 2 mi (3.2 km) east of center of Columbus at Propst Park on U.S. Highway 82.

Owner: American Legion Post.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10 cm), depth 480 ft (146 m).

DATUM.--Land-surface datum is about 170 ft (52 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of discharge pipe (since Apr. 6, 1970), 6.30 ft (1.92 m) above land-surface datum.

PERIOD OF RECORD.--April 1960 to April 1972, April 1974 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 12.90 ft (3.93 m) above land-surface datum, Apr. 10, 1962; lowest measured, 8.38 ft (2.55 m) below land-surface datum, May 3, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL
MAY 3	8.38

333052088234101. Local number, G185.

LOCATION.--Lat 33°30'52", long 88°30'52", long 88°23'41", Hydrologic Unit 03160105, SW¼ sec.11, T.18 S., R.18 W., 2.3 mi (3.7 km) northeast of center of Columbus at city water treatment plant.

Owner: City of Columbus.

AQUIFER.--Sand of Coker Formation of Tuscaloosa Group of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (15 cm), depth 878 ft (268 m).

DATUM.--Land-surface datum is about 178 ft (54 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 6-in (15-m) casing at faucet, 2.50 ft (0.76 m) above land-surface datum.

REMARKS.--Water level affected by nearby pumping.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured 18.30 ft (5.58 m) above land-surface datum, Mar. 28, 1977; lowest water level measured 1.60 ft (0.49 m) below land-surface datum, Oct. 3, 1978.

WATER LEVEL, IN FEET ABOVE AND (-) BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 3	-1.60	DEC 6	-1.08	MAR 1	-0.94	JUN 28	-0.69
OCT 25	-0.50	JAN 31	0.96	MAY 3	0.18		

LOWNDE COUNTY--Continued

332517088235601. Local number, L22.

LOCATION.--Lat 33°25'17", long 88°23'56", Hydrologic Unit 03160106, SE¼SE¼ sec.10, T.19 S., R.18 W., 5 mi (8 km) southeast of center of Columbus near east bank of Tombigbee River.

Owner: Hooker Chemical Company.

AQUIFER.--Sand of Coker Formation of Tuscaloosa Group of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10 cm), depth 1,190 ft (363 m).

DATUM.--Land-surface datum is about 178 ft (54 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 1-in (2.5-cm) bushing (since Apr. 13, 1976), 1.80 ft (0.55 m) above land-surface datum.

PERIOD OF RECORD.--May 1960 to October 1965, April 1967 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 44.9 ft (13.7 m) above land-surface datum, Apr. 12, 1961; lowest measured, 25.30 ft (7.71 m) below land-surface datum, Oct. 4, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 4	25.30	MAY 3	19.86

332508088235409. Local number, L34.

LOCATION.--Lat 33°25'08", long 88°23'54", Hydrologic Unit 03160105, NW¼SE¼ sec.10, T.19 S., R.18 W., 5 mi (8 km) south of center of Columbus near east bank of Tombigbee River.

Owner: Hooker Chemical Company.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in (30 cm), depth 583 ft (178 m), reported screened 533-583 ft (162-178 m).

DATUM.--Land-surface datum is about 180 ft (55 m) National Geodetic Vertical Datum of 1929. Measuring point: Air breather in pump base 2.50 ft (0.76 m) above land-surface datum.

REMARKS.--Water level effected by nearby pumping.

PERIOD OF RECORD.--July 1958, October 1978 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 63 ft (19 m) below land-surface datum, Sept. 14, 1958; lowest measured 94.20 ft (28.71 m) below land-surface datum, Oct. 4, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL
OCT 4	94.20

332142088380101. Local number, N29.

LOCATION.--Lat 33°21'42", long 88°38'01", Hydrologic Unit 03160106, SW¼SW¼ sec.4, T.17 N., R.16 E., 3 mi (4.8 km) south of Artesia and east of U.S. Highway 45.

Owner: United Cement Company.

AQUIFER.--Sand of Tombigbee member of Eutaw Formation of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (15 cm), depth 570 ft (174 m), cased to 240 ft (73 m), open hole.

DATUM.--Land-surface datum is about 280 ft (85 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 6-in (15-cm) casing, 1.5 ft (0.46 m) above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 127.80 ft (38.95 m) below land-surface datum, Oct. 5, 1978; lowest measured, 127.80 ft (38.95 m) below land-surface datum, Oct. 5, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL
OCT 5	127.80

MADISON COUNTY

322413090101701. Local number, V13.

LOCATION.--Lat 32°24'13", long 90°10'17", Hydrologic Unit 03180002, NE¼SE¼ sec.35, T.7 N., R.1 E., 0.1 mi (1.6 km) west of center of Tougaloo at Tougaloo College.

Owner: Tougaloo College.

AQUIFER.--Sparta Sand of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 8 in (20 cm), depth 800 ft (244 m).

DATUM.--Land-surface datum is about 380 ft (116 m) National Geodetic Vertical Datum of 1929. Measuring point: Middle of tee, 3.65 ft (1.11 m) above land-surface datum.

PERIOD OF RECORD.--August 1955, November 1958 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 163.43 ft (49.81 m) below land-surface datum, Aug. 18, 1955; lowest measured, 191.13 ft (58.26 m) below land-surface datum, July 26, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR 22	190.11	JUL 26	191.13		

GROUND-WATER LEVELS

MADISON COUNTY--Continued

322627090062401. Local number, W5.

LOCATION.--Lat 32°26'27", long 90°06'24", Hydrologic Unit 03180002, NE¼NE¼ sec.20, T.7 N., R.2 E., 1 mi (1.6 km) southeast of center of Madison near Bruce Campbell Airport.

Owner: Willard F. Bond Home.

AQUIFER.--Sand of Cockfield Formation of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 8 in (20 cm), depth 500 ft (152 m).

DATUM.--Land-surface datum is about 320 ft (98 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of concrete base 0.50 ft (0.15 m) or hole in plate on well head (since Apr. 24, 1961) at land-surface datum.

PERIOD OF RECORD.--January 1957 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 112.88 ft (34.41 m) below land-surface datum, Apr. 12, 1957; lowest measured, 148.06 ft (45.13 m) below land-surface datum, Mar. 21, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR 21	148.06	APR 3	142.62	JUL 26	143.55

MARSHALL COUNTY

344618089272801. Local number, P72.

LOCATION.--Lat 34°46'18", long 89°27'24", Hydrologic Unit 08030204, NW¼NW¼ sec.6, T.4 S., R.2 W., at Holly Springs on West Boundary Street.

Owner: Town of Holly Springs.

AQUIFER.--Sand of lower part of Wilcox Group of late Paleocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10 cm), depth 718 ft (219 m).

DATUM.--Land-surface datum is about 510 ft (155 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 4-in (10-cm) casing, .50 ft (0.15 m) above land-surface datum.

PERIOD OF RECORD.--October 1976 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 127.88 ft (38.98 m) below land-surface datum, Apr. 24, 1977; lowest measured, 129.65 (39.52 m) below land-surface datum, July 13, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 19	129.09	APR 24	127.88

MONROE COUNTY

335917088304401. Local number, C3.

LOCATION.--Lat 33°59'17", long 88°30'44", Hydrologic Unit 03160101, NE¼SE¼ sec.26, T.12 S., R.19 W., 0.3 mi (0.5 km) northwest of center of Amory at 108th Street and 5th Ave. at waterworks.

Owner: Town of Amory.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10 cm), depth reported 360 ft (110 m).

DATUM.--Land-surface datum is about 240 ft (73 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of ell on well head, 2.00 ft (0.61 m) above land-surface datum.

REMARKS.--Water levels affected by nearby pumping.

PERIOD OF RECORD.--October 1971 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 20.40 ft (6.22 m) below land-surface datum, Apr. 26, 1973; lowest measured, 31.97 ft (9.74 m) below land-surface datum, Apr. 8, 1976.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 11	26.60	MAY 15	27.98

334836088390201. Local number, O3.

LOCATION.--Lat 33°48'36", long 88°39'02", Hydrologic Unit 03160101, NE¼NE¼ sec.3, T.15 S., R.6 E., 2 mi (3.2 km) northeast of center of Prairie. Owner: John Judsen.

AQUIFER.--Sand of Eutaw Formation of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in (30 cm), depth 451 ft (137 m).

DATUM.--Land-surface datum is about 315 ft (96 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of plate on well head, 1.00 ft (0.30 m) above land-surface datum.

PERIOD OF RECORD.--1942, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 114 ft (35 m) below land-surface datum, 1942; lowest measured, 193.74 ft (59.05 m) below land-surface datum, Oct. 16, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 16	193.74	MAY 15	184.54

GROUND-WATER LEVELS

369

MONROE COUNTY--Continued

334359088391601. Local number, 016.

LOCATION.--Lat 33°43'59", long 88°39'16", Hydrologic Unit 031601104, SW¼NE¼ sec.34, T.15 S., R.6 E., at Muldon on State Highway 25.

Owner: M and O Railroad

AQUIFER.--Sand of Eutaw Formation of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (15 m) depth 620 ft (189 m).

DATUM.--Land-surface datum is about 300 ft (91 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 6-in (15-cm) casing, 1.7 ft (0.52 m) above land-surface datum.

PERIOD OF RECORD.--1901, October 1976 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 60.00 ft (18.29 m) below land-surface datum, 1901; lowest measured, 157.90 ft (48.13 m) below land-surface datum, Oct. 16, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 16	157.90	DEC 1	157.27	MAY 15	156.79

334836088333301. Local number, P22.

LOCATION.--Lat 33°48'36", long 88°33'33", Hydrologic Unit 03160101, NW¼NW¼ sec.3, T.15 S., R.7 E., 1 mi (1.6 km) southwest of center of Aberdeen on State Highway 25.

Owner: Conoco Chemicals (Formerly Monroe Mfg. Co.).

AQUIFER.--Sand of Eutaw Formation of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (15 cm), depth 216 ft (66 m).

DATUM.--Land-surface datum is about 218 ft (66 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 2.60 ft (0.79 m) above land-surface datum.

REMARKS.--Water levels affected by nearby pumping.

PERIOD OF RECORD.--October 1962 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 35.87 ft (10.93 m) below land-surface datum, Oct. 16, 1962; lowest measured, 112.30 ft (34.23 m) below land-surface datum, Apr. 8, 1969.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 16	96.67	MAY 15	96.43

334147088261501. Local number, Q18.

LOCATION.--Lat 33°41'47", long 88°26'15", Hydrologic Unit 03160103, SE¼SE¼ sec.5, T.16 S., R.18 W., 3 mi (5 km) south of center of Hamilton on east side of U.S. Highway 45E. Owner: T. G. Owen.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 10 in (25 cm), depth 390 ft (119 m).

DATUM.--Land-surface datum is about 216 ft (66 m) National Geodetic Vertical Datum of 1929. Measuring point: 1/2-in (1.27-cm) plug in top of casing, 1.20 ft (0.37 m) above land-surface datum.

PERIOD OF RECORD.--May 1964, July 1973, May 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 26 ft (7.9 m) below land-surface datum, May 1964; lowest measured, 59.18 ft (18.04 m) below land-surface datum, Oct. 24, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	59.18	MAY 3	57.98

334531088271701. Local number, Q76.

LOCATION.--Lat 33°45'31", long 88°27'17", Hydrologic Unit 03160101, NW¼SW¼ sec.17, T.15 S., R.18 W., 1.5 mi (2.4 km) northwest of center of Hamilton on U.S. Highway 45E.

Owner: L. M. Tucker.

AQUIFER.--Sand of Eutaw Formation of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 2 in (5.1 cm), depth 220 ft (67 m).

DATUM.--Land-surface datum is about 220 ft (67 m) National Geodetic Vertical Datum of 1929. Measuring point: Hole in side of ell at top of casing (since Apr. 12, 1976), 2.50 ft (0.76 m) above land-surface datum.

PERIOD OF RECORD.--March 1959 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.41 ft (0.12 m) above land-surface datum, Mar. 13, 1959; lowest measured, 50.10 ft (15.27 m) below land-surface datum, Apr. 6, 1970.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL
OCT 24	16.01

GROUND-WATER LEVELS

MONTGOMERY COUNTY

332916089432002. Local number, F2.

LOCATION.--Lat 33°29'16", long 89°43'20", Hydrologic Unit 08060201, NW¼NE¼ sec.25, T.19 N., R.5 E., 0.5 mi (0.8 km) northeast of center of Winona at waterworks.

Owner: Town of Winona.

AQUIFER.--Meridian Sand Member of Tallahatta Formation of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 10 in (25 cm), depth 308 ft (94 m), screened 248-308 ft (76-94 m). DATUM.--Land-surface datum is 373.14 ft (113.73 m) National Geodetic Vertical Datum of 1929.

Measuring point: Top of recorder house floor, 1.70 ft (0.52 m) above land-surface datum. REMARKS.--Water levels affected by nearby pumping.

PERIOD OF RECORD.--September 1939, February 1958 to June 1972, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 94.70 ft (28.86 m) below land-surface datum, Apr. 19, 1959; lowest measured, 120.67 ft (36.78 m) below land-surface datum, Aug. 10, 1977.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL
MAR 21	116.23

NESHOPA COUNTY

322728089161201. Local number E1.

LOCATION.--Lat 32°27'28", long 89°16'12", Hydrologic Unit 03180001, SW¼SW¼ sec.10, T.7 N., R.10 E., at Conehatta Indian School east of Conehatta Post Office.

Owner: Conehatta Indian School.

AQUIFER.--Sparta Sand of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 10 in (25 cm), depth 351 ft (107 m).

DATUM.--Land-surface datum is about 515 ft (157 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of concrete pump base, 1.0 ft (0.30 m) above land-surface datum.

PERIOD OF RECORD.--January 1959, March 1978 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 163 ft (50 m) below land-surface datum, Jan. 15, 1959; lowest water level measured 168.70 ft (51.42 m) below land-surface datum, Oct. 3, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 3	168.70	APR 2	168.12

NOXUBEE COUNTY

330645088332801 (formerly 330650088341001). Local number, H115.

LOCATION.--Lat 33°06'50", long 88°34'10", Hydrologic Unit 03160108, NW¼NW¼ sec.33, T.15 N., R.17 E., 1 mi (1.6 km) northwest of center of Macon on Pearl Street at railroad.

Owner: Borden Food Products Company.

AQUIFER.--Sand and gravel of Coker Formation of the Tuscaloosa Group of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused well, diameter 10 in (25 cm), depth 1,807 ft (551 m), cased to 1,767 ft (539 m).

DATUM.--Land-surface datum is about 185 ft (56 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 1/4-in (0.64-cm) gate valve on discharge pipe, 3.00 ft (0.91 m) above land-surface datum.

PERIOD OF RECORD.--February 1955 to October 1956, October 1958 to April 1963, April 1965 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 33.2 ft (10.1 m) above land-surface datum, Feb. 3, 1955; lowest measured, 2.84 ft (0.87 m) above land-surface datum, May 2, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 3	1.44	MAY 2	2.84

OKTIBBEHA COUNTY

332645088472001. Local number, G35.

LOCATION.--Lat 33°26'45", long 88°47'20", Hydrologic Unit 03160104, SW¼NW¼ sec.13, T.18 N., R.14 E., 2.5 mi (4.0 km) south of center of State College near Catalpa Creek.

Owner: Mississippi State University.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled industrial artesian well, diameter 10 in (25 cm), depth 1,378 ft (420 m), cased to 1,293 ft (394 m).

DATUM.--Land-surface datum is about 310 ft (94 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of air vent in pump case, 1.50 ft (0.46 m) above land-surface datum.

PERIOD OF RECORD.--October 1970, March 1972 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 131.00 ft (39.93 m) below land-surface datum, Oct. 16, 1970, Mar. 1972; lowest measured, 152.90 ft (46.60 m) below land-surface datum, Aug. 22, 1973.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL
MAY 3	145.02

OKTIBBEHA COUNTY--Continued

332710088471701. Local number, G102.

LOCATION.--Lat 33°27'10", long 88°47'17", Hydrologic Unit 03160104, NE¼SW¼ sec.1, T.18 N., R.14 E., 0.2 mi (0.3 km) east of center of State College at Walker Engineering Bldg.
 Owner: Mississippi State University.

AQUIFER.--Sand of Eutaw Formation of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (15 cm), depth 1,008 ft (307 m), cased to 968 ft (295 m).

DATUM.--Land-surface datum is 380.95 ft (116.11 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.33 ft (0.71 m) above land-surface datum.

PERIOD OF RECORD.--June 1940 to July 1948, January 1954 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 176.14 ft (53.69 m) below land-surface datum, Apr. 3, 1941; lowest measured, 220.45 ft (67.19 m) below land-surface datum, Oct. 16, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 16	220.45	MAY 3	219.29

PERRY COUNTY

310956088552101. Local number, M11.

LOCATION.--Lat 31°09'56", long 88°55'21", Hydrologic Unit 03170005, SW¼SW¼ sec.5, T.2 N., R.9 W., near center of Beaumont on third street.
 Owner: Town of Beaumont.

AQUIFER.--Sand of Miocene age.

WELL CHARACTERISTICS.--Drilled public-supply (standby) well, diameter 11 in (28 cm), depth 666 ft (203 m), reported screened 626-666 ft (191-203 m).

DATUM.--Land-surface datum is about 95 ft (29 m) National Geodetic Vertical Datum of 1929. Measuring point: Faucet near pump base, 2.50 ft (0.76 m) above land-surface datum.

PERIOD OF RECORD.--August 1965, January 1976, June 1979 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 35 ft (11 m) above land-surface datum, Aug. 1, 1965; lowest measured 26 ft (8 m) above land-surface datum, June 21, 1979.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL
JUN 21	26.00

PIKE COUNTY

310833090272801. Local number, G2.

LOCATION.--Lat 31°08'33", long 90°27'28", Hydrologic Unit 08070205, NW¼NW¼ sec.13, T.2 N., R.7 E., 0.1 mi (0.2 km) west of center of Magnolia and west of City Hall.
 Owner: Town of Magnolia.

AQUIFER.--Sand of Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in (30 cm), depth 432 ft (132 m).

DATUM.--Land-surface datum is about 300 ft (91 m) National Geodetic Vertical Datum of 1929. Measuring point: Hole in east side of pump base, 0.50 ft (0.15 m) above land-surface datum.

PERIOD OF RECORD.--1967, February 1970, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.00 ft (1.2 m) below land-surface datum, 1967; lowest measured, 18.45 ft (5.62 m) below land-surface datum, Feb. 17, 1970.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 11	11.78	MAR 29	11.53

GROUND WATER LEVELS

PRENTISS COUNTY

343921088334101. Local number, F2.

LOCATION.--Lat 34°39'21", long 88°33'41", Hydrologic Unit 08010207, SE¼SE¼ sec.9, T.5 S., R.7 E., 0.1 mi (0.2 km) north of center of Booneville at Court Street and Main Street.

Owner: Town of Booneville.

AQUIFER.--Sand of Eutaw Formation of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 16 in (41 cm), depth 491 ft (150 m), cased to 406 ft (124 m).

DATUM.--Land-surface datum is about 525 ft (160 m) National Geodetic Vertical Datum of 1929. Measuring point: Air vent on south side of pump base, 3.00 ft (0.91 m) above land-surface datum.

PERIOD OF RECORD.--July 1950, May 1972, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 183 ft (56 m) below land-surface datum, July 1950; lowest measured, 199.06 ft (60.67 m) below land-surface datum, Apr. 4, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 17	196.50	APR 9	196.33

343142088384401. Local number, J84.

LOCATION.--Lat 34°31'42", long 88°38'44", Hydrologic Unit 03160101, SE¼NE¼ sec.26, T.6 S., R.6 E., 1.7 mi (2.7 km) north of center of Baldwyn on west side of U.S. Highway 45.

Owner: Baldwyn Implement Co.

AQUIFER.--Sand of Eutaw Formation of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled domestic artesian well, diameter 4 in (10 cm), depth 440 ft (134 m), cased to 158 ft (48 m).

DATUM.--Land-surface datum is about 345 ft (105 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of air vent in pump base, 1.50 ft (0.46 m) above land-surface datum.

PERIOD OF RECORD.--July 1973, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 29.50 ft (8.99 m) below land-surface datum, July 25, 1973; lowest measured, 43.80 ft (13.35 m) below land-surface datum, Apr. 27, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 18	40.85	APR 27	43.80

RANKIN COUNTY

321846089475101. Local number, J110.

LOCATION.--Lat 32°18'46", long 89°47'51", Hydrologic Unit 03180002, SW¼SW¼ sec.33, T.6 N., R.5 E., 0.2 mi (0.3 km) east of center of Pelahatchie at Fire Station.

Owner: Town of Pelahatchie.

AQUIFER.--Sand of Cockfield Formation of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 8 in (20 cm), depth 563 ft (172 m), screened 503-563 ft (153-172 m).

DATUM.--Land-surface datum is about 365 ft (111 m) National Geodetic Vertical Datum of 1929. Measuring point: Hole in cover plate, at land-surface datum.

PERIOD OF RECORD.--July 1955 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 101.62 ft (30.97 m) below land-surface datum, Apr. 9, 1956; lowest measured, 131.96 ft (40.22 m) below land-surface datum, Jan. 22, 1970.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 2	120.15	APR 2	116.71

SCOTT COUNTY

322148089283201. Local number, L1.

LOCATION.--Lat 32°21'48", long 89°28'32", Hydrologic Unit 03180001, SE¼NE¼ sec.16, T.6 N., R.8 E., 0.1 mi (0.2 km) west of center of Forest at Wade Street and Walker Street.

Owner: Town of Forest.

AQUIFER.--Sand of Cockfield Formation of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 10 in (25 cm), depth 360 ft (110 m), cased to 280 ft (85 m).

DATUM.--Land-surface datum is about 480 ft (146 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 3.00 ft (0.91 m) above land-surface datum.

PERIOD OF RECORD.--August 1957 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 99.00 ft (30.18 m) below land-surface datum, May 2, 1978; lowest measured, 145.4 ft (44.3 m) below land-surface datum, Apr. 28, 1967.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 3	99.52	APR 2	107.93

SHARKEY COUNTY

325839090501601. Local number, C43.

LOCATION.--Lat 32°58'39", long 90°50'16", Hydrologic Unit 08030209, sec.17, T.13 N., R.6 W., 0.6 mi (1.0 km) northwest of center of Anguilla on west side of Deer Creek.

Owner: M. C. Ewing.

AQUIFER.--Meridian Sand Member of Tallahatta Formation of middle Eocene age.

WELL CHARACTERISTICS.--Drilled domestic artesian well, diameter 4 in (10 cm), depth 1,830 ft (558 m), cased to 1,790 ft (546 m).

DATUM.--Land-surface datum is about 106 ft (32 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of tee at well head, 2.00 ft (0.61 m) or top of faucet at road, 1.00 ft (0.30 m) above land-surface datum.

PERIOD OF RECORD.--October 1971 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 100.0 ft (30.5 m) above land-surface datum, July 23, 1973; lowest measured, 82.0 ft (24.99 m) above land-surface datum, June 6, 1978.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 11	92.0	MAR 20	90.0

324749090553101. Local number, G44.

LOCATION.--Lat 32°47'49", long 90°55'31", Hydrologic Unit 08030209, NE¼NW¼ sec.16, T.11 N., R.7 W., 0.3 mi (0.5 km) south of center of Cary on east side of U.S. Highway 61.

Owner: Cary High School.

AQUIFER.--Sparta Sand of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10 cm), depth 1,149 ft (350 m).

DATUM.--Land-surface datum is about 102 ft (31 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, at land-surface datum.

PERIOD OF RECORD.--February 1939, September 1960, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 23.9 ft (7.3 m) above land-surface datum, Feb. 10, 1939; lowest measured, 19.87 ft (6.06 m) below land-surface datum, Oct. 12, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 12	19.87	MAR 20	19.10

SIMPSON COUNTY

315256089392401. Local number, L1.

LOCATION.--Lat 31°52'56", long 89°39'24", Hydrologic Unit 03170004, SE¼NW¼ sec.35, T.1 N., R.6 E., 4 mi (6.4 km) east of center of Magee off Highway 28.

Owner: Okatoma Water Association.

AQUIFER.--Sparta Sand of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 10 in (25 cm), depth 1,620 ft (494 m).

DATUM.--Land-surface datum is about 530 ft (162 m) above National Geodetic Vertical Datum of 1929. Measuring point: Top of concrete base, 2.5 ft (0.76 m) above land-surface datum.

PERIOD OF RECORD.--January 1969, September 1971, July 1978 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 302 ft (92 m) below land-surface datum, Jan. 31, 1969; lowest water level measured 326.58 ft (99.54 m) below land-surface datum, July 12, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL
MAY 31	326.58

315258089392201. Local number, L13.

LOCATION.--Lat 31°52'58" Long 89°39'22", Hydrologic Unit 03170004, SE¼NW¼ sec.35, T.1 N., R.6 E., 4 mi (6.4 km) east of center of Magee off Highway 28.

Owner: Okatoma Water Association.

AQUIFER.--Sand of Citronelle Formation of Pliocene age.

WELL CHARACTERISTICS.--Drilled public supply water-table well, diameter 18 in (46 cm), depth 200 ft (61 m), reported screened 150 to 200 ft (46-61 m).

DATUM.--Land-surface datum is about 515 ft (157 m) above National Geodetic Vertical Datum of 1929. Measuring point: Top of breather, 2.50 ft (0.76 m) above land-surface datum.

PERIOD OF RECORD.--May 1972, May 1979 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 106.29 ft (32.40 m) below land-surface datum, May 31, 1979; lowest measured 110 ft (34 m) below land-surface datum, May 31, 1979; lowest measured 110 ft (34 m) below land-surface datum, May 1972.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER YEAR 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL
MAY 31	106.29

GROUND-WATER LEVELS

SUNFLOWER COUNTY

334017090301801. Local number, H18.

LOCATION.--Lat 33°40'17", long 90°30'18", Hydrologic Unit 08030207, SE¼NE¼ sec.21, T.21 N., R.3 W., 1.5 mi (2.4 km) northeast of center of Doddsville on county road. Owner: B. D. McCarty.

AQUIFER.--Sand of Tallahatta Formation of middle Eocene age.

WELL CHARACTERISTICS.--Drilled domestic artesian well, diameter 4 in (10 cm), depth 1,370 ft (418 m).

DATUM.--Land-surface datum is about 125 ft (38 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of faucet at well, 1.00 ft (0.30 m) above land-surface datum.

PERIOD OF RECORD.--April 1971 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 15.0 ft (4.6 m) above land-surface datum, Apr. 14, 1971; lowest measured, 3.60 ft (1.10 m) above land-surface datum, Apr. 25, 1979.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL
APR 25	3.60

332505090293001. Local number, R21.

LOCATION.--Lat 33°25'05", long 90°29'30", Hydrologic Unit 08030207, NW¼SW¼ sec.22, T.18 N., R.3 W., 2.5 mi (4.0 km) southeast of center of Moorehead on county road.

Owner: Edgar Hobbs.

AQUIFER.--Meridian Sand Member of Tallahatta Formation of middle Eocene age.

WELL CHARACTERISTICS.--Drilled domestic artesian well, diameter 3 in (7.6 cm), depth 1,547 ft (472 m).

DATUM.--Land-surface datum is about 110 ft (34 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of faucet at well, 2.00 ft (0.61 m) above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 41.5 ft (12.6 m) above land-surface datum, Feb. 10, 1970; lowest measured, 22.0 ft (6.7 m) above land-surface datum, June 5, 1974.

No measurement made in water year 1979.

TATE COUNTY

343723089592801. Local number, F22.

LOCATION.--Lat 34°37'23", long 89°59'28", Hydrologic Unit 08030204, SE¼SE¼ sec.25, T.5 S., R.8 W., 1.2 mi (1.9 km) southeast of center of Senatobia at stand tank on Browns Ferry Rd.

Owner: Town of Senatobia.

AQUIFER.--Sand of lower part of Wilcox Group of late Paleocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 5 in (12.7 cm), depth 1,085 ft (331 m), cased to 1,065 ft (325 m).

DATUM.--Land-surface datum is about 340 ft (104 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.30 ft (0.40 m) above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 135.18 ft (41.20 m) below land-surface datum, May 23, 1973; lowest measured, 144.58 ft (44.07 m) below land-surface datum, Apr. 25, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL
APR 25	144.58

343811089580401. Local number, G37a.

LOCATION.--Lat 34°38'11", long 89°58'04", Hydrologic Unit 08030204, NW¼SW¼ sec.20, T.5 S., R.7 W., 1 mi (1.6 km) north of center of Senatobia at Chromcraft Plant.

Owner: Town of Senatobia.

AQUIFER.--Sand of lower part of Wilcox Group of late Paleocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (15 cm), depth 1,180 ft (360 m), cased to 1,160 ft (354 m).

DATUM.--Land-surface datum is about 250 ft (76 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.20 ft (0.67 m) above land-surface datum.

REMARKS.--Water levels affected by nearby pumping.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 52.84 ft (16.11 m) below land-surface datum, June 6, 1973; lowest measured, 94.59 ft (28.83 m) below land-surface datum, June 9, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL
APR 25	83.63

TIPPAH COUNTY

345658088534101. Local number, B8.

LOCATION.--Lat 34°56'58", long 88°53'41", Hydrologic Unit 08010207, SE¼ sec.32, T.1 S., R.4 E., 0.2 mi (0.3 km) north of center of Walnut at swimming pool and elevated tank. Owner: Town of Walnut.

AQUIFER.--Sand of McNairy Sand Member of Ripley Formation of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (15 cm), depth 147 ft (45 m), cased to 137 ft (42 m).

DATUM.--Land-surface datum is about 470 ft (143 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of concrete base, 1.00 ft (0.30 m) above land-surface datum.

PERIOD OF RECORD.--June 1971 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 61.70 ft (18.81 m) below land-surface datum, Feb. 24, 1975; lowest measured, 67.23 ft (20.49 m) below land-surface datum, Apr. 9, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 18	64.63	APR 9	67.23

TISHOMINGO COUNTY

345802088144901. Local number, B18.

LOCATION.--Lat 34°58'02", long 88°14'49", Hydrologic Unit 06030005, SW¼NE¼ sec.28, T.1 S., R.10 E., 2.8 mi (4.5 km) north of center of Cross Roads on west side of State Highway 25.

Owner: Yellow Creek Port.

AQUIFER.--Rocks of Paleozoic age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (15 cm), depth 378 ft (115 m), cased to 147 ft (45 m).

DATUM.--Land-surface datum is about 560 ft (171 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.50 ft (0.15 m) above land-surface datum.

PERIOD OF RECORD.--October 1973, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 99.00 ft (30 m) below land-surface datum, Oct. 18, 1973; lowest measured, 100.70 ft (30.69 m) below land-surface datum, Oct. 19, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 19	100.70	APR 10	99.03

345603088170601. Local number, B19.

LOCATION.--Lat 34°56'03", long 88°17'06", Hydrologic Unit 06030005, NE¼SW¼ sec.6, T.2 S., R.10 E., 2 mi (3.2 km) northwest of center of Cross Roads.

Owner: Yellow Creek Port.

AQUIFER.--Rocks of Paleozoic age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (15 cm), depth 266 ft (81 m), cased to 90 ft (27 m).

DATUM.--Land-surface datum is about 467 ft (142 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.00 ft (0.30 m) above land-surface datum.

PERIOD OF RECORD.--September 1973, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 12.60 ft (3.84 m) below land-surface datum, Apr. 12, 1978; lowest measured, 15.00 ft (4.57 m) below land-surface datum, Sept. 29, 1973.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 19	14.10	APR 10	12.83

345703088145601. Local number, B21.

LOCATION.--Lat 34°57'03", long 88°14'56", Hydrologic Unit 06030005, SW¼NE¼ sec.33, T.1 S., R.10 E., 1.5 mi (2.4 km) north of center of Cross Roads on State Highway 25.

Owner: Yellow Creek Port.

AQUIFER.--Rocks of Paleozoic age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (15 cm), depth 349 ft (106 m), cased to 76 ft (23 m).

DATUM.--Land-surface datum is about 455 ft (139 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.00 ft (0.30 m) above land-surface datum.

PERIOD OF RECORD.--October 1973, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.07 ft (0.02 m) above land-surface datum, Apr. 10, 1979; lowest measured, 1.20 ft (0.37 m) below land-surface datum, Oct. 19, 1978.

WATER LEVEL, IN FEET ABOVE AND (-) BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 19	-1.20	APR 10	0.07

GROUND-WATER LEVELS

TISHOMINGO COUNTY--Continued

344834088111601. Local number, F1.

LOCATION.--Lat 34°48'34", long 88°11'16", Hydrologic Unit 06030005, NW¼NW¼ sec.19, T.3 S., R.11 E., 0.1 mi (0.2 km) east of center of Iuka.

Owner: H. M. Biggs.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 8 in (20 cm), depth 113 ft (34 m), cased to 105 ft (32 m).

DATUM.--Land-surface datum is about 545 ft (166 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.00 ft (0.61 m) above land-surface datum.

PERIOD OF RECORD.--1956, April 1958 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 31.2 ft (9.5 m) below land-surface datum, Apr. 1, 1974; lowest measured, 65.1 ft (19.8 m) below land-surface datum, Jan. 18, 1967.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 19	36.10	APR 26	35.10

343936088161901. Local number, J10.

LOCATION.--Lat 34°39'36", long 88°16'19", Hydrologic Unit 03160101, NW¼SE¼ sec.8, T.5 S., R.10 E., 0.2 mi (0.3 km) south of center of Paden at Murphy Street and Lennon Ave.

Owner: Irwin Schwabe Company (formerly Town of Paden).

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 10 in (25 cm), depth 181 ft (55 m).

DATUM.--Land-surface datum is about 420 ft (128 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 3/4-in (1.90-cm) nipple at well head (since Mar. 17, 1976), 2.80 ft (0.85 m), or top of cap 1.7 ft (0.51 m) above land-surface datum.

REMARKS.--Water level affected by nearby pumping.

PERIOD OF RECORD.--July 1971 to February 1972, March 1974 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 19.20 ft (5.85 m) above land-surface datum, Mar. 13, 1974; lowest measured, 0.50 ft (0.15 m) below land-surface datum, Oct. 25, 1978.

WATER LEVEL, IN FEET ABOVE AND (-) BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	-0.50	MAY 15	1.20

TUNICA COUNTY

343117090253001. Local number, J101.

LOCATION.--Lat 34°31'17", long 90°25'30", Hydrologic Unit 08030204, NW¼NW¼ sec.36, T.6 S., R.12 W., 1.2 mi (1.9 km) east of center of Dundee on east side of U.S. Highway 61.

Owner: L. D. Powell.

AQUIFER.--Sand of lower part of Wilcox Group of late Paleocene age.

WELL CHARACTERISTICS.--Drilled domestic artesian well, diameter 3-2 in (7.6-5.1 cm), depth 1,796 ft (547 m), screened 1,766-1,796 ft (538-547 m).

DATUM.--Land-surface datum is 176 ft (54 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 3-in (7.6-cm) coupling, at land-surface datum.

PERIOD OF RECORD.--July 1954 to April 1967, June 1969 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 30.3 ft (9.2 m) above land-surface datum, July 7, 1954; lowest measured, 3.30 ft (1.01 m) above land-surface datum, Apr. 26, 1978.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL
APR 26	3.30

GROUND-WATER LEVELS

377

UNION COUNTY

343418088484901. Local number, E22.

LOCATION.--Lat 34°34'18", long 088°48'49", Hydrologic Unit 08010207, NW¼SE¼ sec. 7, T.6 S., R.5 W., 6 mi (10 km) north of Mississippi State Highway 30.

Owner: Keownville Water Association.

AQUIFER.--Coffee Sand of Selma Group of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (15 cm), depth 312 ft (248 m), cased to 696 ft (212 m).

DATUM.--Land-surface datum is about 680 ft (207 m) National Geodetic Vertical Datum of 1929. Measuring point: Plug in top of 6-in (15-cm) casing, 1.00 ft (0.30 m) above land-surface datum.

REMARKS.--Water levels effected by nearby pumping.

PERIOD OF RECORD.--July 1972, October 1978 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured 340 ft (104 m) below land-surface datum, July 5, 1972; lowest measured 451.50 ft (137.6 m) below land-surface datum, May 16, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 10	406	MAY 16	451.40

343200089045901. Local number, B6.

LOCATION.--Lat 34°32'00", 89°04'59", Hydrologic Unit 08030201, SE¼NW¼ sec.27, T.6 S., R.2 E., 5 mi (8 km) northwest of New Albany on north side of U.S. Highway 78.

Owner: Futorian Furniture Corp. (Frame plant).

AQUIFER.--Sand of Ripley Formation of Selma Group of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled industrial (fire protection) artesian well, diameter 6 in (15 cm), depth 500 ft (152 m).

DATUM.--Land-surface datum is about 385 ft (117 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 6-in (15-cm) casing below pump base, 1.00 ft (0.30 m) above land-surface datum.

PERIOD OF RECORD.--1955, October 1978 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured 25 ft (8 m) below land-surface datum, 1955; lowest water level measured, 70.27 ft (21.42 m) below land-surface datum, May 16, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 18	68.62	MAY 16	70.27

WARREN COUNTY

322310090530202. Local number, J4.

LOCATION.--Lat 32°23'10", long 90°53'02", Hydrologic Unit 08030208, SW¼SW¼ sec.2, T.16 N., R.3 E., 2.5 mi (4.0 km) northwest of center of Vicksburg on north side of Industrial Rd.

Owner: City of Vicksburg.

AQUIFER.--Mississippi River valley alluvium of Pleistocene and Holocene age.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 10 in (25 cm), depth 170 ft (52 m), cased to 150 ft (46 m).

DATUM.--Land-surface datum is about 90 ft (27 m) National Geodetic Vertical Datum of 1929. Measuring point: Bottom of recorder house floor, 17.26 ft (5.26 m) above land-surface datum. PERIOD OF RECORD.--October 1965 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.60 ft (0.18 m) below land-surface datum, Apr. 17, 1975; lowest measured, 46.70 ft (14.23 m) below land-surface datum, Aug. 21, 1976.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 11	39.38	FEB 15	35.70	MAY 1	3.50	MAY 31	16.61	AUG 13	25.41

GROUND-WATER LEVELS

WASHINGTON COUNTY

332432091031501. Local number, D16.

LOCATION.--Lat 33°24'32", long 91°03'15", Hydrologic Unit 08030209, Irregular sec.4, T.18 N., R.8 W., 0.2 mi (0.3 km) northeast of center of Greenville at Alexander Street and Illinois Central Railroad.

Owner: Itzig Company.

AQUIFER.--Sand of Cockfield Formation of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (15 cm), depth 517 ft (158 m).

DATUM.--Land-surface datum is about 125 ft (38 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.00 ft (0.91 m) above land-surface datum.

PERIOD OF RECORD.--November 1960, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 100.93 ft (30.76 m) below land-surface datum, Nov. 17, 1960; lowest measured, 107.87 ft (32.87 m) below land-surface datum, June 7, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL
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MAR 20	103.03
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332228091045402. Local number, D33b.

LOCATION.--Lat 33°22'28", long 91°04'54", Hydrologic Unit 08030209, Irregular sec.10, T.18 N., R.9 W., 4 mi (6.4 km) southwest of center of Greenville in industrial park on Theobald Street.

Owner: U.S. Geological Survey.

AQUIFER.--Meridian Sand Member of Tallahatta Formation of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10 cm), depth 1,994 ft (608 m), cased to 1,984 ft (605 m).

DATUM.--Land-surface datum is 125.07 ft (38.12 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of valve on 4-in (10-cm) cap on well, 2.62 ft (0.80 m) above land-surface datum.

PERIOD OF RECORD.--June 1969 to April 1972, June 1974 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 51.82 ft (15.79 m) above land-surface datum, Apr. 14, 1970; lowest measured, 34.62 ft (10.55 m) above land-surface datum, June 5, 1974.

No measurement made in water year 1979.

332007090525401. Local number, H14.

LOCATION.--Lat 33°20'07", long 90°52'54", Hydrologic Unit 08030209, NW¼SW¼ sec.12, T.17 N., R.7 W., 5 mi (8 km) south of center of Leland and east of Deer Creek.

Owner: Louis Munn.

AQUIFER.--Mississippi River valley alluvium of Pleistocene and Holocene age.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 10 in (25 cm), depth 102 ft (31 m), cased to 72 ft (22 m).

DATUM.--Land-surface datum is about 115 ft (35 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.00 ft (0.30 m) above land-surface datum.

PERIOD OF RECORD.--March 1956 to October 1963, January 1965 to October 1966, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 11.86 ft (3.61 m) below land-surface datum, Oct. 14, 1958; lowest measured, 23.85 ft (7.27 m) below land-surface datum, June 7, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL
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MAR 20	21.42
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331808090532901. Local number, H101.

LOCATION.--Lat 33°18'08", long 90°53'29", Hydrologic Unit 08030209, SW¼SE¼ sec.23, T.17 N., R.7 W., 0.1 mi (0.2 km) southwest of center of Wilnot.

Owner: J. A. Aldridge.

AQUIFER.--Meridian Sand Member of Tallahatta Formation of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10 cm), depth 1,903 ft (580 m), cased to 1,895 ft (578 m).

DATUM.--Land-surface datum is about 120 ft (37 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 4-in (10-cm) tee, 0.80 ft (0.24 m) above land-surface datum.

PERIOD OF RECORD.--February 1954 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 53.5 ft (16.3 m) above land-surface datum, Dec. 20, 1954; lowest measured, 10.75 ft (3.28 m) above land-surface datum, Mar. 20, 1979.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL
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OCT 12	32.8	MAR 20	10.75
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WASHINGTON COUNTY--Continued

331120090413001. Local number, M44.

LOCATION.--Lat 33°11'20", long 90°41'30", Hydrologic Unit 08030207, NW¼SW¼ sec.35, T.16 N., R.5 W., 11 mi (18 km) east of center of Hollandale on State Highway 12 at Sunflower River.

Owner: Dave Jones.

AQUIFER.--Mississippi River valley alluvium of Pleistocene and Holocene age.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 16 in (41 cm), depth reported 110 ft (34 m).

DATUM.--Land-surface datum is about 105 ft (32 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 1.20 ft (0.37 m) above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 16.28 ft (4.96 m) below land-surface datum, Apr. 25, 1975; lowest measured, 26.10 ft (7.96 m) below land-surface datum, Oct. 12, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 12	26.10	MAR 21	22.83

330227090592001. Local number, S4.

LOCATION.--Lat 33°02'27", long 90°59'20", Hydrologic Unit 08030209, SW¼SE¼ sec.28, T.14 N., R.8 W., 1.2 mi (1.9 km) northeast of center of Hampton on south side of State Highway 436.

Owner: Agricultural Chemical Corp.

AQUIFER.--Mississippi River valley alluvium of Pleistocene and Holocene age.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 12 in (30 cm), depth 105 ft (32 m), screened 80-105 ft (24-32 m).

DATUM.--Land-surface datum is 111.24 ft (33.91 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 1.95 ft (0.59 m) above land-surface datum.

PERIOD OF RECORD.--January 1954 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.8 ft (1.8 m) below land-surface datum, May 13, 1958; lowest measured, 20.00 ft (6.10 m) below land-surface datum, Aug. 25, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	---	---	---	14.60	---	10.80	8.40	11.48	---	---	---	---
10	---	15.00	---	---	---	---	8.72	---	---	---	---	---
15	---	---	---	---	---	---	8.20	9.76	---	---	---	---
20	---	---	---	---	---	10.90	10.37	8.10	---	---	---	---
25	---	---	---	---	---	---	10.20	8.15	---	---	---	12.03
EOM	---	---	---	---	11.1	---	9.27	8.36	---	---	---	---

WAYNE COUNTY

314115088392301. Local number, N151.

LOCATION.--Lat 31°41'15", long 88°39'23", Hydrologic Unit 03170002, NE¼SE¼ sec.2, T.8 N., R.7 W., 1 mi (1.6 km) northwest of center of Waynesboro at Turner Street and Gulf Mobile and Ohio Railroad.

Owner: Town of Waynesboro.

AQUIFER.--Sand of Vicksburg Group of Oligocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 18-8 in (46-20 cm), depth 82 ft (25 m), cased to 32 ft (10 m).

DATUM.--Land-surface datum is about 180 ft (55 m) National Geodetic Vertical Datum of 1929. Measuring point: 1-in (2.5-cm) hole in breather pipe inside recorder shelter, 2.30 ft (0.70 m) above land-surface datum.

PERIOD OF RECORD.--April 1973, February 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 27.72 ft (8.45 m) below land-surface datum, Mar. 23, 1976; lowest measured, 34.51 ft (10.52 m) below land-surface datum, Jan. 15, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	33.65	34.19	33.62	34.09	34.00	---	30.97	30.33	31.86	33.25	34.07	33.28
10	33.67	34.14	33.78	34.36	33.90	---	30.33	30.36	32.31	33.16	34.06	33.44
15	33.99	34.13	33.76	34.51	33.65	---	30.52	30.79	32.65	33.04	33.55	33.23
20	33.98	33.97	33.69	33.96	33.41	---	30.23	31.20	33.02	33.14	33.38	33.20
25	34.00	33.85	33.74	34.19	---	---	30.26	31.56	33.24	32.99	33.36	33.72
EOM	34.13	33.70	33.52	34.18	---	---	30.34	31.77	33.21	33.56	33.44	33.30

GROUND-WATER LEVELS

WEBSTER COUNTY

332425089212001. Local number, M25.

LOCATION.--Lat 33°24'25", long 89°21'20", Hydrologic Unit 08060201, SW¼NW¼ sec.28, T.19 N., R.9 E., north side of U.S. Highway 82, .2 mi (0.32 km) east of Tomnolem.

Owner: Town of Tomnolem.

AQUIFER.--Sand of lower part of Wilcox Group of late Paleocene age.

WELL CHARACTERISTICS.--Drilled public supply well, diameter 10 in (25 cm), depth 359 ft (109 m).

DATUM.--Land-surface datum is about 350 ft (107 m) National Geodetic Vertical Datum of 1929. Measuring point:

Top of concrete pump base, 1.80 ft (0.55 m) above land-surface datum.

PERIOD OF RECORD.--December 1970, July 1978 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.0 ft (1.2 m) below land-surface datum, Dec. 30, 1970; lowest water level measured, 28.25 ft (8.61 m) below land-surface datum, Mar. 22, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL
MAR 22	28.25	AUG 30	28.18

WILKINSON COUNTY

310415091042201. Local number, T101.

LOCATION.--Lat 31°04'13", long 91°04'21", Hydrologic Unit 08070202, SE¼NW¼ sec.2, T.1 N., R.1 E., 1 mi (1.6 km) southwest of center of Centreville on State Highway 33.

Owner: J. P. Kennedy. Old Camp Van Dorn.

AQUIFER.--Sand of Pascagoula Formation of late Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 16 in (41 cm), depth 222 ft (68 m), screened 162-222 ft (49-68 m), cased to 162 ft (49 m).

DATUM.--Land-surface datum is 353.5 ft (107.7 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of hole in cover plate, 1.20 ft (0.37 m) above land-surface datum.

PERIOD OF RECORD.--May 1942, March 1954 to October 1963, March 1968, March 1970 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 43.0 ft (13.1 m) below land-surface datum, May 5, 1942; lowest measured, 52.22 ft (15.92 m) below land-surface datum, Dec. 10, 1954.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 11	49.79	MAR 29	49.80

310415091042202. Local number, T102.

LOCATION.--Lat 31°04'13", long 91°04'21", Hydrologic Unit 08070202, SE¼NW¼ sec.2, T.1 N., R.1 E., 1 mi (1.6 km) southwest of center of Centreville on State Highway 33. Owner: J. P. Kennedy. Old Camp Van Dorn.

AQUIFER.--Sand of Pascagoula Formation of late Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in (30 cm), depth 415 ft (126 m), screened 355-415 ft (108-126 m), cased to 355 ft (108 m).

DATUM.--Land-surface datum is 355.1 ft (108.2 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of hole in cover plate, 1.48 ft (0.45 m) above land-surface datum.

PERIOD OF RECORD.--May 1942, March 1954 to October 1963, March 1968, March 1970 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 128.4 ft (39.1 m) below land-surface datum, May 5, 1942; lowest measured, 163.91 ft (49.96 m) below land-surface datum, Apr. 5, 1977.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 11	163.59	MAR 29	163.03

WILKINSON COUNTY--Continued

310415091042203 (formerly 310413091042103). Local number, T103.

LOCATION.--Lat 31°04'13", long 91°04'21", Hydrologic Unit 08070202, SE¼NW¼ sec.2, T.1 N., R.1 E., 1 mi (1.6 km) southwest of center of Centreville on State Highway 33.

Owner: J. P. Kennedy. Old Camp Van Dorn.

AQUIFER.--Sand of Catahoula Sandstone of Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in (30 cm), depth 1,685 ft (514 m), screened 1,625-1,685 ft (495-514 m), cased to 1,625 ft (495 m).

DATUM.--Land-surface datum is 356.4 ft (108.6 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of hole in cover plate, 1.40 ft (0.43 m) above land-surface datum.

PERIOD OF RECORD.--May 1942, February 1954 to October 1963, March 1968, March 1970 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 238.1 ft (72.6 m) below land-surface datum, May 13, 1942; lowest measured, 274.83 ft (83.77 m) below land-surface datum, Mar. 29, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 11	274.74	MAR 29	274.83

YAZOO COUNTY

325905090192202. Local number, B102.

LOCATION.--Lat 32°59'05", long 90°19'22", Hydrologic Unit 08030206, SE¼SW¼ sec.8, T.13 N., R.1 W., at Eden across street from post office.

Owner: Town of Eden.

AQUIFER.--Sparta Sand of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 3 in (7.6 cm), depth 800 ft (244 m), cased to 770 ft (235 m).

DATUM.--Land-surface datum is 112.3 ft (34.2 m) National Geodetic Vertical Datum of 1929. Measuring point: Bottom edge of hole in north side of casing, 5.30 ft (9.62 m) above land-surface datum.

PERIOD OF RECORD.--1919, February 1939, April 1943 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 39.7 ft (12.1 m) above land-surface datum, 1919; lowest measured, 12.44 ft (3.79 m) below land-surface datum, Oct. 15, 1975.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 12	12.62	MAY 10	10.10

325905090192201. Local number, B103.

LOCATION.--Lat 32°59'05", long 90°19'22", Hydrologic Unit 08030206, SE¼SW¼ sec.8, T.13 N., R.1 W., at Eden across from Baptist church.

Owner: Town of Eden.

AQUIFER.--Meridian Sand Member of Tallahatta Formation of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 4-2½ in (10-6.4 cm), depth 1,735 ft (529 m), screened 1,659-1,669, 1,689-1,699, 1,705-1,715 ft (506-509, 515-518, 520-523 m).

DATUM.--Land-surface datum is about 112 ft (34 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 4-in (10-cm) cap, 0.50 ft (0.15 m) above land-surface datum.

PERIOD OF RECORD.--January 1954 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 143.2 ft (43.6 m) above land-surface datum, January 1954; lowest measured, 88.5 ft (26.97 m) above land-surface datum, Oct. 12, 1978.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 12	88.5	MAY 10	94.00

325100090250701. Local number, G6.

LOCATION.--Lat 32°51'00", long 90°25'07", Hydrologic Unit 08030206, SW¼NE¼ sec.32, T.12 N., R.2 W., 0.3 mi (0.5 km) northwest of center of Yazoo City at power plant on Bridge Street.

Owner: Yazoo City.

AQUIFER.--Mississippi River valley alluvium of Pleistocene and Holocene age.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 16-12 in (41-30 cm), depth 212 ft (65 m), cased to 152 ft (46 m).

DATUM.--Land-surface datum is about 100 ft (30 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing or top of recorder house floor, 5.60 ft (1.71 m) above land-surface datum.

PERIOD OF RECORD.--September 1940, November 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 17.40 ft (5.30 m) below land-surface datum, Nov. 10, 1975; lowest measured, 35.68 ft (10.88 m) below land-surface datum, Apr. 10, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 12	21.49	JAN 29	19.70	APR 10	35.68	JUN 22	18.95
DEC 7	21.60	MAR 15	28.18	MAY 10	19.90	AUG 14	18.60

GROUND-WATER LEVELS

YAZOO COUNTY--Continued

325016090251601. Local number, G126.

LOCATION.--Lat 32°50'16", long 90°25'16", Hydrologic Unit 08030206, SW¼NE¼ sec.32, T.12 N., R.2 W., 0.3 mi (0.5 km) northwest of center of Yazoo City at power plant on Bridge Street.

Owner: Yazoo City.

AQUIFER.--Sparta Sand of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (15 cm), depth 801 ft (244 m), cased to 761 ft (232 m).

DATUM.--Land-surface datum is about 96 ft (29 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 4.0 ft (1.22 m) above land-surface datum.

REMARKS.--Water levels affected by nearby pumping.

PERIOD OF RECORD.--January 1939, January 1955 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 31.1 ft (9.5 m) above land-surface datum, Jan. 17, 1939; lowest measured, 32.40 ft (9.88 m) below land-surface datum, Aug. 20, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	---	---	27.0	---	---	---	30.08	24.00	27.72	29.50	---	30.90
10	---	---	---	---	---	---	26.78	23.98	28.05	29.82	---	31.00
15	---	26.0	---	---	---	30.24	26.30	26.50	28.32	30.13	29.78	31.96
20	---	---	---	---	---	28.30	29.15	26.78	28.65	---	32.40	29.10
25	---	---	---	---	---	29.60	26.30	27.38	29.20	---	32.06	28.00
EOM	---	---	---	30.20	---	29.60	26.30	27.38	29.20	---	32.06	28.00

324936090423001. Local number, J128.

LOCATION.--Lat 32°49'36", long 90°42'30", Hydrologic Unit 08030207, NE¼SE¼ sec.4, T.11 N., R.5 W., 0.2 mi (0.3 km) north of center of Holly Bluff at Holly Bluff School.

Owner: Holly Bluff Consolidated School.

AQUIFER.--Sparta Sand of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled school-supply artesian well, diameter 4 in (10 cm), depth 980 ft (299 m), cased to 940 ft (287 m).

DATUM.--Land-surface datum is about 103 ft (31 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 4-in (10-cm) tee, 3.00 ft (0.91 m) above land-surface datum.

PERIOD OF RECORD.--August 1939, March 1954 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 38.7 ft (11.8 m) above land-surface datum, Aug. 17, 1939; lowest measured, 14.05 ft (4.28 m) below land-surface datum, Oct. 11, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 11	14.05	MAY 10	11.65

TISHOMINGO COUNTY

344616088211801. Local number D50. (USCE 11C)

LOCATION.--Lat 34°46'16", long 88°21'18", Hydrologic Unit 06030005, SW¼SE¼ sec.33, T.3 S., R.9 E., 5.5 mi (8.9 km) southwest of Burnsville.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (15 cm), depth 404 ft (123 m).

DATUM.--Land-surface datum is about 505 ft (153.9 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.6 ft (0.79 m) above land-surface datum.

PERIOD OF RECORD.--January 1976 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured 97.65 ft (29.8 m) below land-surface datum, March 9, 1976; lowest measured, 107.60 ft (32.8 m) below land-surface datum, July 31, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	102.35	JAN 31	105.70	JUL 31	107.60

344617088211901. Local number D51. (USCE 11D)

LOCATION.--Lat 34°46'17", long 88°21'19", Hydrologic Unit 06030005, SW¼SE¼ sec.33, T.3 S., R.9 E., 5.5 mi (8.9 km) southwest of Burnsville.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand of Eutaw of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (15 cm), depth 210 ft (64 m). Cased to 200 ft (61 m).

DATUM.--Land-surface datum is about 505 ft (153.9 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.4 ft (0.73 m) above land-surface datum.

PERIOD OF RECORD.--January 1976 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 2.02 ft (0.6 m) below land-surface datum, March 9, 1976; lowest measured, 36.65 ft (11.2 m) below land-surface datum, October 25, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	36.65	DEC 21	17.60	JAN 31	7.70	MAY 15	4.18	JUL 31	6.80	AUG 23	4.40

344638088200102. Local number D40. (USCE 12A)

LOCATION.--Lat 34°46'38", long 88°20'01", Hydrologic Unit 06030005, SE¼NE¼ sec.34, T.3 S., R.9 E., 4.5 mi (7.2 km) southwest of Burnsville.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 8 in (20.3 cm), depth 190 ft (58 m).

DATUM.--Land-surface datum is about 485 ft (147.8 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, at land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured 21.98 ft (6.7 m) below land-surface datum, March 22, 1973; lowest measured, 72.30 ft (22.0 m) below land-surface datum, January 30, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	40.89	JAN 30	72.30	MAY 15	42.96	JUL 25	34.00	AUG 23	32.90

344638088200103. Local number D41. (USCE 12B)

LOCATION.--Lat 34°46'38", long 88°20'01", Hydrologic Unit 06030005, SE¼NE¼ sec.34, T.3 S., R.9 E., 4.5 mi (7.2 km) southwest of Burnsville.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand of Eutaw of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 8 in (20.3 cm), depth 150 ft (45.7 m).

DATUM.--Land-surface datum is about 485 ft (147.8 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, at land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured 22.29 ft (6.8 m) below land-surface datum, March 22, 1973; lowest measured, 57.53 ft (17.5 m) below land-surface datum, January 30, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	38.57	JAN 30	57.53	MAY 15	38.80	JUL 25	32.40	AUG 23	32.02

TISHOMINGO COUNTY--Continued

344638088200104. Local number D42. (USCE 12C)

LOCATION.--Lat 34°46'38", long 88°20'01", Hydrologic Unit 06030005, SE¼NE¼ sec.34, T.3 S., R.9 E., 4.5 mi (7.2 km) southwest of Burnsville.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand of Eutaw of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (15 cm), depth 88 ft (26.8 m), cased to 78 ft (23.8 m).

DATUM.--Land-surface datum is about 485 ft (147.8 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 1.8 ft (0.5 m) above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured 22.39 ft (6.8 m) below land-surface datum, March 22, 1973; lowest measured, 43.91 ft (13.4 m) below land-surface datum, November 30, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	33.07	36.83	43.79	---	42.40	41.79	40.56	38.56	32.49	31.64	31.12	30.35
10	33.77	39.53	---	---	42.41	41.67	40.58	37.33	32.14	31.61	31.16	29.59
15	33.77	41.69	---	---	42.51	41.49	40.41	36.55	32.07	31.20	31.14	28.95
20	33.76	42.68	---	---	42.64	41.22	40.27	34.42	32.11	30.95	31.20	28.25
25	36.67	43.45	---	---	42.23	40.85	40.26	33.76	31.89	30.88	31.31	27.58
EOM	36.34	43.91	---	42.40	42.02	40.72	39.84	33.04	31.67	30.99	31.19	27.45

344643088182102. Local number D37. (USCE 14A)

LOCATION.--Lat 34°46'43", long 88°18'21", Hydrologic Unit 06030005, SE¼NW¼ sec.36, T.3 S., R.9 E., 4 mi (6.4 km) south of Burnsville.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 184 ft (56 m).

DATUM.--Land-surface datum is about 545 ft (166 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.0 ft (0.3 m) above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured 67.59 ft (20.6 m) below land-surface datum, April 25, 1973; lowest measured, 76.51 ft (23.3 m) below land-surface datum, May 15, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAY 15	76.51	AUG 2	74.00	AUG 15	72.83

344643088182103. Local number D43. (USCE 14B)

LOCATION.--Lat 34°46'43", long 88°18'21", Hydrologic Unit 06030005, SE¼NW¼ sec.36, T.3 S., R.9 E., 4 mi (6.4 km) south of Burnsville.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand of Eutaw of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 154 ft (47 m).

DATUM.--Land-surface datum is about 545 ft (166 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.4 ft (0.1 m) above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured 67.51 ft (20.6 m) below land-surface datum, April 25, 1973; lowest measured, 78.00 ft (23.8 m) below land-surface datum, January 31, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	73.54	JAN 31	78.00	MAY 15	74.02	AUG 2	72.30

344643088182104. Local number D44. (USCE 14C)

LOCATION.--Lat 34°46'43", long 88°18'21", Hydrologic Unit 06030005, SE¼NW¼ sec.36, T.3 S., R.9 E., 4 mi (6.4 km) south of Burnsville.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand of Eutaw of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 106 ft (32 m), cased to 100 ft (30 m).

DATUM.--Land-surface datum is about 545 ft (166 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.2 ft (0.4 m) above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 65.63 ft (20.0 m) below land-surface datum, April 25, 1973; lowest measured, 72.45 ft (22.1 m) below land-surface datum, January 31, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	70.92	JAN 31	72.45	MAY 15	70.94	AUG 2	71.00

TISHOMINGO COUNTY--Continued

344634088173201. Local number E14. (USCE 15A)

LOCATION.--Lat 34°46'34", long 88°17'32", Hydrologic Unit 06030005, NW¼SW¼ sec.31, T.3 S., R.10 E., 4.2 mi (6.8 km) southeast of Burnsville.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 2 in (5.1 cm), depth 340 ft (104 m), cased to 320 ft (98 m).

DATUM.--Land-surface datum is about 540 ft (164.6 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.4 ft (0.1 m) above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 77.19 ft (23.5 m) below land-surface datum, April 25, 1973; lowest measured, 85.20 ft (26.0 m) below land-surface datum, January 30, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	84.62	JAN 30	85.20	MAY 15	73.38	AUG 2	84.20

344634088173202. Local number E15. (USCE 15B)

LOCATION.--Lat 34°46'34", long 88°17'32", Hydrologic Unit 06030005, NW¼SW¼ sec.31, T.3 S., R.10 E., 4.2 mi (6.8 km) southeast of Burnsville.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 204 ft (62 m), cased to 184 ft (56 m).

DATUM.--Land-surface datum is about 540 ft (165 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.2 ft (0.4 m) above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 51.08 ft (15.6 m) below land-surface datum, March 2, 1972; lowest measured, 59.60 ft (18.2 m) below land-surface datum, January 30, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	55.84	JAN 30	59.60	MAY 15	56.72	AUG 2	56.40	SEP 23	55.07

344634088173203. Local number E16. (USCE 15C)

LOCATION.--Lat 34°46'34", long 88°17'32", Hydrologic Unit 06030005, NW¼SW¼ sec.31, T.3 S., R.10 E., 4.2 mi (6.8 km) southeast of Burnsville.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand of Eutaw of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 130 ft (39.6 m), cased to 120 ft (36.6 m).

DATUM.--Land-surface datum is about 540 ft (164.6 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 1.2 ft (0.4 m) above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 45.66 ft (13.9 m) below land-surface datum, March 30, 1976; lowest measured, 53.49 ft (16.3 m) below land-surface datum, February 5, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	---	49.74	---	---	53.49	53.09	52.42	51.59	49.07	48.80	48.75	48.66
10	---	50.46	---	---	53.47	53.06	52.36	50.96	48.96	48.77	48.79	48.68
15	---	51.62	---	---	53.40	53.11	52.25	50.50	48.99	48.61	48.83	48.45
20	---	52.48	---	---	53.49	53.00	52.30	50.06	48.99	48.62	48.88	48.39
25	50.13	---	---	---	53.17	52.61	52.21	49.69	48.85	48.60	48.88	48.20
EOM	49.92	---	---	53.39	53.17	52.64	52.14	49.28	48.77	48.66	48.88	48.16

TISHOMINGO COUNTY--Continued

344155088194801. Local number G4. (USCE 21A)

LOCATION.--Lat 34°41'55", long 88°19'48", Hydrologic Unit 06030005, SW¼SW¼ sec.26, T.4 S., R.9 E., 2.2 mi (3.5 km) southwest of Holcut.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 278 ft (84.7 m), cased to 268 ft (81.7 m).

DATUM.--Land-surface datum is about 585 ft (178.3 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.75 ft (0.2 m) above land-surface datum.

PERIOD OF RECORD.--September 1971 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 123.95 ft (37.8 m) below land-surface datum, April 25, 1973; lowest measured, 149.15 ft (45.5 m) below land-surface datum, January 31, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	138.05	JAN 31	149.15	MAY 16	125.20	JUL 31	132.00	AUG 15	131.97

344155088194802. Local number G5. (USCE 21B)

LOCATION.--Lat 34°41'55", long 88°19'48", Hydrologic Unit 06030005, SW¼SW¼ sec.26, T.4 S., R.9 E., 2.2 mi (3.5 km) southwest of Holcut.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand of Eutaw of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 235 ft (71.6 m).

DATUM.--Land-surface datum is about 585 ft (178.3 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing at land-surface datum.

PERIOD OF RECORD.--September 1971 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 123.88 ft (37.8 m) below land-surface datum, March 9, 1976; lowest measured, 138.50 ft (42.2 m) below land-surface datum, January 31, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	133.20	JAN 31	138.50	MAY 16	135.56	JUL 31	120.80	AUG 15	120.72

344218088184301. Local number G38. (USCE 22A)

LOCATION.--Lat 34°42'18", long 88°18'43", Hydrologic Unit 03160101, SW¼NW¼ sec.25, T.4 S., R.9 E., 2.0 mi (3.2 km) south of Holcut.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 360 ft (109.7 m), cased to 320 ft (97.5 m).

DATUM.--Land-surface datum is about 625 ft (190.5 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 0.6 ft (0.2 m) above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 151.12 ft (46.1 m) below land-surface datum, March 9, 1976; lowest measured, 189.00 ft (57.6 m) below land-surface datum, January 31, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	171.94	JAN 31	189.00	JUN 7	172.92	JUL 31	169.00	AUG 15	170.23

344218088184302. Local number G40. (USCE 22B)

LOCATION.--Lat 34°42'18", long 88°18'43", Hydrologic Unit 03160101, NW¼SW¼ sec.25, T.4 S., R.9 E., 2.0 mi (3.2 km) south of Holcut.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand of Eutaw of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 240 ft (73.2 m), cased to 230 ft (70.1 m).

DATUM.--Land-surface datum is about 625 ft (190.5 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 0.9 ft (0.3 m) above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 142.33 ft (43.4 m) below land-surface datum, March 9, 1976; lowest measured 172.10 ft (52.5 m) below land-surface datum, January 31, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	156.77	JAN 31	172.10	JUN 7	157.12	JUL 31	155.00	AUG 15	154.93

TISHOMINGO COUNTY--Continued

344230088173401. Local number G20. (USCE 23C)

LOCATION.--Lat 34°43'30", long 88°17'34", Hydrologic Unit 03060101, NW¼NW¼ sec.30, T.4 S., R.10 E., 1.3 mi (2.1 km) southeast of Holcut.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 2 in (5.1 cm), depth 330 ft (100.6 m), cased to 230 ft (70.1 m).

DATUM.--Land-surface datum is about 588 ft (179.2 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.1 ft (0.6 m) above land-surface datum.

PERIOD OF RECORD.--September 1971 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 84.27 ft (25.7 m) below land-surface datum, April 25, 1973; lowest measured, 120.20 ft (36.6 m) below land-surface datum, July 31, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	119.96	JUL 31	120.20	AUG 23	113.20

344230088173402. Local number G33. (USCE 23D)

LOCATION.--Lat 34°42'30", long 88°17'34", Hydrologic Unit 03160101, NW¼NW¼ sec.30, T.4 S., R.9 E., 1.3 mi (2.1 km) southeast of Holcut.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand of Eutaw of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 145 ft (44.2 m), cased to 135 ft (41.1 m).

DATUM.--Land-surface datum is about 590 ft (179.8 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 1.7 ft (0.5 m) above land-surface datum.

PERIOD OF RECORD.--September 1971 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 86.95 ft (26.5 m) below land-surface datum, April 25, 1973; lowest measured, 132.42 ft (40.4 m) below land-surface datum, April 15, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	106.00	112.67	112.80	---	---	---	---	130.80	---	122.52	122.03	122.31
10	106.00	112.69	112.84	---	---	---	---	129.66	125.82	121.86	122.28	122.48
15	106.00	112.73	---	---	---	---	132.07	128.92	125.26	121.47	123.52	122.15
20	106.00	112.73	---	---	---	---	132.42	---	124.71	121.00	123.35	121.36
25	115.13	112.75	---	---	---	---	132.42	---	123.88	121.29	122.31	121.21
EOM	112.67	112.76	---	---	---	---	132.42	---	122.96	121.72	122.33	120.98

344231088173401. Local number G34. (USCE 23E)

LOCATION.--Lat 34°42'31", long 88°17'34", Hydrologic Unit 03160101, NW¼NW¼ sec.30, T.4 S., R.9 E., 1.3 mi (2.1 km) southeast of Holcut.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand of Eutaw of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 2 in (5.1 cm), depth 92 ft (28.0 m), cased to 87 ft (26.5 m).

DATUM.--Land-surface datum is about 585 ft (178.3 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 2.3 ft (0.7 m) above land-surface datum.

PERIOD OF RECORD.--Highest water level measured, 63.84 ft (19.5 m) below land-surface datum, June 9, 1976; lowest measured, 80.77 ft (24.6 m) below land-surface datum, October 25, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	80.77	FEB 2	75.40	JUL 31	78.20	AUG 23	75.80

TISHOMINGO COUNTY--Continued

344231088173501. Local number G35 (USCE 23F)

LOCATION.--Lat 34°42'31", long 88°17'35", Hydrologic Unit 03160101, NW¼NW¼ sec.30, T.4 S., R.9 E., 1.3 mi (2.1 km) southeast of Holcut. Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand of Eutaw of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 148 ft (45.1 m), cased to 138 ft (42.1 m).

DATUM.--Land-surface datum is about 588 ft (179.2 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing at land-surface datum.

PERIOD OF RECORD.--October 1971 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 81.86 ft (25 m) below land-surface datum, December 2, 1971; lowest measured, 112.63 ft (34.3 m) below land-surface datum, October 25, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	112.63	JUL 31	90.10

Well destroyed.

344228088173901. Local number G23. (USCE 23G)

LOCATION.--Lat 34°42'28", long 88°17'39", Hydrologic Unit 03160101, NW¼NW¼ sec.30, T.4 S., R.10 E., 1.3 mi (2.1 km) southeast of Holcut.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 2 in (5.1 cm), depth 260 ft (79.2 m), cased to 240 ft (73.2 m).

DATUM.--Land-surface datum is about 601 ft (183.2 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 0.6 ft (0.2 m) above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 96.63 ft (29.5 m) below land-surface datum, April 25, 1973; lowest measured, 186.40 ft (56.8 m) below land-surface datum, February 2, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	130.88	FEB 2	186.40	JUL 31	130.30	AUG 23	130.50

344232088173201. Local number G27. (USCE 23I)

LOCATION.--Lat 34°42'32", long 88°17'32", Hydrologic Unit 03160101, NW¼NW¼ sec.30, T.4 S., R.10 E., 1.3 mi (2.1 km) southeast of Holcut.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Rocks of Paleozoic age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 2 in (5.1 cm), depth 492 ft (150 m), cased to 452 ft (137.8 m).

DATUM.--Land-surface datum is about 587 ft (178.9 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing at landsurface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 177.54 ft (54.1 m) below land-surface datum, April 25, 1973; lowest measured, 187.45 ft (57.1 m) below land-surface datum, February 2, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	186.21	FEB 2	187.45	JUL 31	187.10	AUG 23	186.97

344232088173202. Local number G31. (USCE 23J)

LOCATION.--Lat 34°42'32", long 88°17'32", Hydrologic Unit 03160101, NW¼NW¼ sec.30, T.4 S., R.10 E., 1.3 mi (2.1 km) southeast of Holcut.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 380 ft (115.8 m), cased to 360 ft (109.7 m).

DATUM.--Land-surface datum is about 587 ft (178.9 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 0.2 ft (0.1 m) above land-surface datum.

PERIOD OF RECORD.--December 1971 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 81.78 ft (24.9 m) below land-surface datum, April 25, 1973; lowest measured, 176.05 ft (53.7 m) below land-surface datum, February 2, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	118.20	FEB 2	176.05	JUL 31	113.40

TISHOMINGO COUNTY--Continued

344234088153401. Local number G30. (USCE 23K)

LOCATION.--Lat 34°42'34", long 88°15'34", Hydrologic Unit 03160101, NW¼NW¼ sec.30, T.4 S., R.10 E., 1.3 mi (2.1 km) southeast of Holcut.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 8 in (20.3 cm), depth 300 ft (91.4 m), cased to 200 ft (61 m).

DATUM.--Land-surface datum is about 559 ft (170.4 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 0.5 ft (0.2 m) above land-surface datum.

PERIOD OF RECORD.--November 1971 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 53.05 ft (16.2 m) below land-surface datum, April 25, 1973; lowest measured, 123.10 ft (37.5 m) below land-surface datum, February 2, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	86.54	FEB 2	123.10

344234088153402. Local number G32. (USCE 23L)

LOCATION.--Lat 34°42'34", long 88°15'34", Hydrologic Unit 03160101, NW¼NW¼ sec.30, T.4 S., R.10 E., 1.3 mi (2.1 km) southeast of Holcut.

Owner: U. S. Army, Corps of Engineers.

AQUIFER.--Sand of Eutaw of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 8 in (20.3 cm), depth 126 ft (38.4 m), cased to 86 ft (26.2 m).

DATUM.--Land-surface datum is about 563 ft (171.6 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 1.0 ft (0.3 m) above land-surface datum.

PERIOD OF RECORD.--December 1971 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 59.16 ft (18 m) below land-surface datum, May 31, 1973; lowest measured, 108.45 ft (33.1 m) below land-surface datum, February 2, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	87.08	FEB 2	108.45	AUG 23	97.50

344228088173902. Local number G41. (USCE 23N)

LOCATION.--Lat 34°42'28", long 88°17'39", Hydrologic Unit 03160101, NW¼NW¼ sec. 30, T.4 S., R.10 E., 1.3 mi (2.1 km) southeast of Holcut.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand of Eutaw of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 200 ft (61 m), cased to 180 ft (54.9 m).

DATUM.--Land-surface datum is about 600 ft (182.9 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 0.8 ft (0.2 m) above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured 97.13 ft (29.6 m) below land-surface datum, July 31, 1973; lowest measured, 137.30 ft (41.9 m) below land-surface datum, February 2, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	124.36	FEB 2	137.30	AUG 23	132.45

344228088173903. Local number G42. (USCE 23O)

LOCATION.--Lat 34°42'28", long 88°17'39", Hydrologic Unit 03160101, NW¼NW¼ sec.30, T.4 S., R.10 E., 1.3 mi (2.1 km) southeast of Holcut.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand of Eutaw of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (15.2 cm), depth 60 ft (18.2 m), cased to 50 ft (15.2 m).

DATUM.--Land-surface datum is about 561 ft (171 m), National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 2.1 ft (0.6 m) above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 41.13 ft (12.5 m) below land-surface datum, December 4, 1975; lowest measured, 54.00 ft (16.5 m) below land-surface datum, February 2, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	51.97	FEB 2	54.00

TISHOMINGO COUNTY--Continued

344253088162802. Local number G15. (USCE 25A)

LOCATION.--Lat 34°42'53", long 88°16'28", Hydrologic Unit 06030006, NW¼SW¼ sec.20, T.4 S., R.10 E., 1.8 mi (2.9 km) southeast of Holcut.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 235 ft (71.6 m), cased to 230 ft (70.1 m).

DATUM.--Land-surface datum is about 610 ft (185.9 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 0.4 ft (0.1 m) above land-surface datum.

PERIOD OF RECORD.--September 1971 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 92.37 ft (28.2 m) below land-surface datum, June 25, 1975; lowest measured, 123.45 ft (37.6 m) below land-surface datum, February 2, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	107.76	FEB 2	123.45	MAY 16	106.59	JUL 31	102.80	AUG 16	103.17

344253088162803. Local number G16. (USCE 25B)

LOCATION.--Lat 34°42'53", long 88°16'28", Hydrologic Unit 06030006, NW¼SW¼ sec.20, T.4 S., R.10 E., 1.8 mi (2.9 km) southeast of Holcut.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand of Eutaw of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 200 ft (61 m), cased to 190 ft (57.9 m).

DATUM.--Land-surface datum is about 610 ft (185.9 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 0.4 ft (0.1 m) above land-surface datum.

PERIOD OF RECORD.--August 1971 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 89.87 ft (27.4 m) below land-surface datum, July 13, 1973; lowest measured, 104.40 ft (31.8 m) below land-surface datum, January 30, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	97.29	JAN 30	104.40	MAY 16	98.73	JUL 31	96.90	AUG 16	96.46

344302088153802. Local number G17. (USCE 26A)

LOCATION.--Lat 34°43'02", long 88°15'38", Hydrologic Unit 06030006, NE¼SE¼ sec.20, T.4 S., R.10 E., 2.5 mi (4.0 km) southeast of Holcut.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 2 in (5.1 cm), depth 250 ft (76.2 m), cased to 210 ft (64 m).

DATUM.--Land-surface datum is about 565 ft (172.2 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 2.4 ft (0.6 m) above land-surface datum.

PERIOD OF RECORD.--August 1971 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 39.60 ft (11.2 m) below land-surface datum, March 4, 1976; lowest measured, 56.35 ft (17.2 m) below land-surface datum, January 30, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	49.49	JAN 30	56.35	MAY 15	50.08	JUL 31	49.50	AUG 15	47.33

344302088153803. Local number G18. (USCE 26B)

LOCATION.--Lat 34°43'02", long 88°15'38", Hydrologic Unit 06030006, NE¼SE¼ sec.20, T.4 S., R.10 E., 2.5 mi (4.0 km) southeast of Holcut.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand of Eutaw of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 127 ft (38.7 m), cased to 122 ft (37.2 m).

DATUM.--Land-surface datum is about 565 ft (172.2 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 0.4 ft (0.1 m) above land-surface datum.

PERIOD OF RECORD.--August 1971 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 36.39 ft (11.1 m) below land-surface datum, April 25, 1973; lowest measured 43.90 ft (13.4 m) below land-surface datum, January 30, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	41.27	JAN 30	43.90	MAY 15	41.62	JUL 31	40.80	AUG 15	40.40

TISHOMINGO COUNTY--Continued

344302088153804. Local number G19. (USCE 26C)

LOCATION.--Lat 34°43'02", long 88°15'38", Hydrologic Unit 06030006, NE¼sec.20, T.4 S., R.10 E., 2.5 mi (4.0 km) southeast of Holcut.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand of Eutaw of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 2 in (5.1 cm), depth 72 ft (21.9 m), cased to 67 ft (20.4 m).

DATUM.--Land-surface datum is about 565 ft (172.2 m) National Geodetic Vertical Datum of 1929. Measuring Point: Top of casing 0.5 ft (0.2 m) above land-surface datum.

PERIOD OF RECORD.--August 1971 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 35.21 ft (10.7 m) below land-surface datum, April 25, 1973; lowest measured, 41.90 ft (12.8 m) below land-surface datum, January 30, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	39.99	JAN 30	41.90	MAY 15	40.16	JUL 31	39.60	AUG 15	39.09

344017088180402. Local number J18. (USCE 31A)

LOCATION.--Lat 34°40'17", long 88°18'04", Hydrologic Unit 03160101, SW¼sec.10, T.5 S., R.9 E., 2.0 mi (3.2 km) northwest of Paden.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 178 ft (54.3 m), cased to 158 ft (48.2 m).

DATUM.--Land-surface datum is about 473 ft (144.2 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 0.2 ft (0.1 m) above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 16.85 ft (5.1 m) below land-surface datum, May 23, 1974; lowest measured 44.18 ft (13.5 m) below land-surface datum, January 25, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	40.20	JAN 25	44.18	MAY 16	38.78	JUL 31	32.60	AUG 23	32.43

344017088180403. Local number J19. (USCE 31B)

LOCATION.--Lat 34°40'17", long 88°18'04", Hydrologic Unit 03160101, SW¼sec.10, T.5 S., R.9 E., 2.0 mi (3.2 km) northwest of Paden.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand of Eutaw of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 74 ft (22.6 m), cased to 64 ft (19.5 m).

DATUM.--Land-surface datum is about 473 ft (144.2 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 1.6 ft (0.5 m) above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.80 ft (1.74 m) below land-surface datum, May 20, 1975; lowest measured, 9.96 ft (3.0 m) below land-surface datum, May 16, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	9.72	10.01	10.12	9.82	9.49	9.17	8.81	8.72	8.73	9.07	9.17	9.13
10	9.82	10.08	10.10	9.59	9.54	9.19	8.79	8.78	8.90	9.01	9.23	9.32
15	9.89	10.13	10.06	9.70	9.34	9.38	8.62	8.93	9.05	8.94	9.30	9.00
20	9.89	10.20	9.92	9.21	9.59	9.26	8.78	8.87	9.12	9.03	9.33	8.96
25	9.92	10.19	18.00	9.30	9.11	9.01	8.72	8.97	8.92	8.89	9.43	8.92
EOM	10.06	10.20	10.02	9.41	9.25	9.16	8.89	8.85	8.88	9.05	9.37	8.90

344041088172602. Local number J20. (USCE 32A)

LOCATION.--Lat 34°40'41", long 88°17'26", Hydrologic Unit 03160101, NW¼NW¼ sec.6, T.5 S., R.10 E., 1.9 mi (3.1 km) northwest of Paden.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 240 ft (73.2 m), cased to 230 ft (70.1 m).

DATUM.--Land-surface datum is about 530 ft (161.5 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 1.3 ft (0.4 m) above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 62.90 ft (19.2 m) below land-surface datum, June 9, 1976; lowest measured, 84.92 ft (25.9 m) below land-surface datum, November 16, 1977.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	70.26	JAN 31	71.76	JUN 8	72.01	AUG 23	72.20

TISHOMINGO COUNTY--Continued

344041088172603. Local number J21. (USCE 32B)

LOCATION.--Lat 34°40'41", long 88°17'26", Hydrologic Unit 03160101, NW¼NW¼ sec.6, T. 5 S., R.10 E., 1.9 mi (3.1 km) northwest of Paden.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand of Eutaw of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 112 ft (34.1 m), cased to 102 ft (31.1 m).

DATUM.--Land-surface datum is about 530 ft (161.6 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 0.6 ft (0.2 m) above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 61.33 ft (18.7 m) below land-surface datum, April 26, 1973; lowest measured, 106.69 ft (32.5 m) below land-surface datum, October 25, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	106.69	JUN 8	88.80	AUG 23	88.15

344041088164401. Local number J8. (USCE 33A)

LOCATION.--Lat 34°40'41", long 88°16'44", Hydrologic Unit 03160101, SE¼NE¼ sec.6, T.5 S., R.9 E., 1.3 mi (2.1 km) southwest of Paden.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand of Eutaw of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 172 ft (52.4 m), cased to 162 ft (49.4 m).

DATUM.--Land-surface datum is about 515 ft (157 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.5 ft (0.2 m) above land-surface datum.

PERIOD OF RECORD.--August 1971 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 46.54 ft (14.2 m) below land-surface datum, May 23, 1974; lowest measured, 74.63 ft (22.7 m) below land-surface datum, August 3, 1977.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	71.77	JAN 30	72.60	JUN 8	66.04	AUG 23	68.70

344041088164402. Local number J16. (USCE 33B)

LOCATION.--Lat 34°40'41", long 88°16'44", Hydrologic Unit 03160101, SE¼NE¼ sec.6, T.5 S., R.9 E., 1.3 mi (2.1 km) northwest of Paden.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand of Eutaw of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 90 ft (27.4 m), cased to 85 ft (25.9 m).

DATUM.--Land-surface datum is about 515 ft (150 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 0.3 mi (0.1 m) above land-surface datum.

PERIOD OF RECORD.--August 1971 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 49.93 ft (15.2 m) below land-surface datum, May 23, 1974; lowest measured, 57.42 ft (17.5 m) below land-surface datum, January 30, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	56.42	JAN 30	57.42	JUN 8	56.63	AUG 23	57.10

344041088164403. Local number J17. (USCE 33C)

LOCATION.--Lat 34°40'41", long 88°16'44", Hydrologic Unit 03160101, SE¼NE¼ sec.6, T.5 S., R.9 E., 1.3 mi (2.1 km) northwest of Paden.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 2 in (5.1 cm), depth 212 ft (64.6 m), cased to 192 ft (58.5 m).

DATUM.--Land-surface datum is about 515 ft (157 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 0.5 ft (0.2 m) above land-surface datum.

PERIOD OF RECORD.--September 1971 to current year.

EXTREMES FOR THE PERIOD OF RECORD.--Highest water level measured, 42.20 ft (12.9 m) below land-surface datum, April 9, 1974; lowest measured, 79.34 ft (24.2 m) below land-surface datum, August 3, 1977.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	76.09	JAN 30	77.15	JUN 8	70.14	AUG 23	73.10

TISHOMINGO COUNTY--Continued

344053088161202. Local number J13. (USCE 34A)

LOCATION.--Lat 34°40'53", long 88°16'12", Hydrologic Unit 03160101, NE¼NW¼ sec.5, T.5 S., R.10 E., 1.8 mi (2.9 km) north of Paden.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 266 ft (81.1 m), cased to 256 ft (78 m).

DATUM.--Land-surface datum is about 560 ft (170.7 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 1.0 ft (0.3 m) above land-surface datum.

PERIOD OF RECORD.--September 1971 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 82.17 ft (25 m) below land-surface datum, March 13, 1974; lowest measured 117.63 ft (35.8 m) below land-surface datum, August 5, 1977.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	107.20	110.88	---	---	---	---	---	---	---	---	---	---
10	107.92	111.27	---	---	---	---	---	---	---	---	---	---
15	108.89	111.77	---	---	---	---	---	109.52	---	---	---	---
20	109.72	112.36	---	---	---	---	---	---	---	---	---	---
25	110.38	112.77	---	---	---	---	---	---	---	---	111.03	---
EOM	110.99	---	---	110.99	---	---	---	---	---	106.20	---	---

344053088161203. Local number J14. (USCE 34B)

LOCATION.--Lat 34°40'53", long 88°16'12", Hydrologic Unit 03160101, NE¼NW¼ sec.5, T.5 S., R.10 E., 1.8 mi (2.9 km) north of Paden.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand of Eutaw of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 134 ft (40.8 m), cased to 129 ft (39.3 m).

DATUM.--Land-surface datum is about 560 ft (170.7 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 1.65 ft (0.5 m) above land-surface datum.

PERIOD OF RECORD.--September 1971 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 69.67 ft (21.2 m) below land-surface datum, May 23, 1974; lowest measured, 74.13 ft (22.6 m) below land-surface datum, October 17, 1973.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	72.86	JAN 31	73.43	MAY 16	72.45	JUL 31	72.10	AUG 23	72.32

344053088161204. Local number J15. (USCE 34C)

LOCATION.--Lat 34°40'53", long 88°16'12", Hydrologic Unit 03160101, NE¼NW¼ sec.5, T.5 S., R.10 E., 1.8 mi (2.9 km) north of Paden.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand of Eutaw of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 100 ft (30.5 m), cased to 95 ft (29 m).

DATUM.--Land-surface datum is about 560 ft (170.7 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 0.2 ft (0.1 m) above land-surface datum.

PERIOD OF RECORD.--September 1971 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 69.42 ft (21.2 m) below land-surface datum, June 20, 1974; lowest measured, 75.22 ft (22.9 m) below land-surface datum, October 17, 1972.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	72.09	JAN 31	72.93	MAY 16	71.95	JUL 31	72.10	AUG 23	71.70

TISHOMINGO COUNTY--Continued

344110088151002. Local number G13. (USCE 35A)

LOCATION.--Lat 34°41'10", long 88°15'10", Hydrologic Unit 03160101, NE¼SW¼ sec.33, T.4 S., R.10 E., 2.0 mi (3.2 km) northeast of Paden.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 300 ft (91.4 m), cased to 260 ft (79.2 m).

DATUM.--Land-surface datum is about 600 ft (182.9 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 0.3 ft (0.1 m) above land-surface datum.

PERIOD OF RECORD.--July 1971 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 106.68 ft (32.5 m) below land-surface datum, May 23, 1974; lowest measured, 130.29 ft (39.71 m) below land-surface datum, May 5, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	119.91	May 5	130.29	JUL 31	113.20	AUG 28	119.00

344110088151003. Local number G14. (USCE 35B)

LOCATION.--Lat 34°41'10", long 88°15'10", Hydrologic Unit 03160101, NE¼SW¼ sec.33, T.4 S., R.10 E., 2.0 mi (3.2 km) northeast of Paden.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sands of Eutaw of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 203 ft (61.9 m), cased to 198 ft (60.4 m).

DATUM.--Land-surface datum is about 600 ft (182.9 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 0.5 ft (0.2 m) above land-surface datum.

PERIOD OF RECORD.--July 1971 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 98.22 ft (29.9 m) below land-surface datum, March 6, 1976; lowest measured, 101.97 ft (31.1 m) below land-surface datum, November 3, 1971.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	100.4	JAN 31	99.90	MAY	99.47	JUL 31	100.20	AUG 15	99.71

343936088161901. Local number J10.

LOCATION.--Lat 34°39'36", long 88°16'19", Hydrologic Unit 03160101, NW¼SE¼ sec.8, T.5 S., R.10 E., in Paden.

Owner: Irwin Schwabe Co. (Formerly Paden Water District)

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 10 in (25.4 cm), depth 181 ft (55.2 m), cased to 1.65 ft (51.5 m).

DATUM.--Land-surface datum is about 420 ft (128 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 1.69 ft (0.5 m) above land-surface datum.

PERIOD OF RECORD.--July 1971 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 19.2 ft (5.9 m) above land-surface datum, March 13, 1974; lowest measured, 0.50 ft (0.2 m) below land-surface datum, October 25, 1978.

WATER LEVEL, IN FEET ABOVE AND (-) BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	-0.50	MAY 15	1.20

343150088183702. Local number L31. (USCE 45A)

LOCATION.--Lat 34°31'50", long 88°18'37", Hydrologic Unit 03160101, SW¼NW¼ sec.25, T.6 S., R.9 E., 8.5 mi (13.7 km) southwest of Tishomingo.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 92 ft (28 m), cased to 82 ft (25.0 m).

DATUM.--Land-surface datum is about 485 ft (147.8 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 0.4 ft (0.1 m) above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 76.62 ft (23.4 m) below land-surface datum, May 18, 1977; lowest measured, 80.39 ft (24.5 m) below land-surface datum, May 23, 1972.

Obstruction. No measurements made in fiscal year 1979.

TISHOMINGO COUNTY--Continued

343150088183703. Local number L32. (USCE 45B)

LOCATION.--Lat 34°31'50", long 88°18'37", Hydrologic Unit 03160101, SW¼NW¼ sec.25, T.6 S., R.9 E., 8.5 mi (13.7 km) southwest of Tishomingo.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--McShan sand member of Eutaw of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 76 ft (23.2 m), cased to 66 ft (20.1 m).

DATUM.--Land-surface datum is about 485 ft (147.8 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 0.4 ft (0.1 m) above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 52.40 ft (16.0 m) below land-surface datum, January 25, 1979; lowest measured, 56.26 ft (17.1 m) below land-surface datum, October 17, 1972.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	54.99	JAN 25	52.40	MAY 17	53.98	AUG 16	54.33

342854088194101. Local number L29. (USCE 54A)

LOCATION.--Lat 34°28'54", long 88°19'41", Hydrologic Unit 03160101, SW¼SW¼ sec.11, T.7 S., R.9 E., 15.8 mi (25.4 km) southeast of Baldwyn.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 27 ft (8.2 m), cased to 22 ft (6.7 m).

DATUM.--Land-surface datum is about 332 ft (101.2 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 1.9 ft (0.6 m) above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.35 ft (0.1 m) above land-surface datum, April 25, 1973; lowest measured, 7.65 ft (2.3 m) below land-surface datum, November 15, 1978.

WATER LEVEL, IN FEET ABOVE AND (-) BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	-7.22	-7.61	-7.04	0.10	-1.18	---	---	---	---	---	---	-4.56
10	-7.33	-7.63	-6.16	0.01	---	---	---	---	---	---	---	-4.79
15	-7.41	-7.65	-5.54	-0.81	---	---	---	---	---	---	---	-0.62
20	-7.48	-7.51	-5.27	0.06	---	---	---	-2.10	---	---	---	-0.93
25	-7.55	-7.39	-4.70	---	---	---	---	-2.34	---	---	---	-1.04
EOB	-7.57	-7.25	-4.36	-0.97	---	---	---	---	---	---	-4.45	-1.94

342854088194702. Local number L33. (USCE 54B)

LOCATION.--Lat 34°28'54", long 88°19'47", Hydrologic Unit 03160101, SW¼SE¼ sec.11, T.7 S., R.9 E., 15.8 mi (25.4 km) southeast of Baldwyn.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Alluvium, undifferentiated of Quaternary age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 12 ft (3.7 m).

DATUM.--Land-surface datum is about 332 ft (101.2 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 0.3 ft (0.1 m) above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.20 ft (0.1 m) above land-surface datum, April 25, 1973; lowest measured, 7.85 ft (2.4 m) below land-surface datum, October 26, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	7.85	JAN 24	0.05	MAY 17	1.60	AUG 23	4.56

TISHOMINGO COUNTY--Continued

342854088194103. Local number L34. (USCE 54C)

LOCATION.--Lat 34°28'40", long 88°19'41", Hydrologic Unit 03160101, SW¼SW¼ sec.11, T.7 S., R.9 E., 8.1 mi (13.0 km) west of Golden.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Alluvium, undifferentiated of Quaternary age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 2 in (5.1 cm), depth 13 ft (4 m), cased to 8 ft (2.4 m).

DATUM.--Land-surface datum is about 333 ft (101.5 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 1.4 ft (0.4 m) above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.62 ft (0.2 m) below land-surface datum, March 9, 1976; lowest measured, 8.26 ft (2.5 m) below land-surface datum, October 26, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	8.26	JAN 24	0.69	MAY 17	2.46	AUG 23	4.15

342844088184701. Local number L30. (USCE 55A)

LOCATION.--Lat 34°28'44", long 88°18'47", Hydrologic Unit 03160101, SE¼SE¼ sec.11, T.7 S., R.9 E., 7 mi (11.3 km) west of Golden.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 50 ft (15.2 m), cased to 45 ft (13.7 m).

DATUM.--Land-surface datum is about 380 ft (115.8 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 1.3 ft (0.4 m) above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest year level measured, 20.08 ft (6.1 m) below land-surface datum, January 10, 1976; lowest measured, 22.83 ft (7 m) below land-surface datum, October 17, 1972.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	22.70	22.68	22.13	21.57	---	---	---	---	20.96	21.68	21.66	21.75
10	22.77	22.68	21.99	21.38	---	---	---	---	21.35	21.09	21.76	21.90
15	22.77	22.66	21.96	21.60	---	---	---	---	21.63	21.01	21.75	21.50
20	22.72	22.60	21.88	21.02	---	---	---	21.20	21.82	21.23	21.84	21.39
25	22.72	22.49	21.86	21.15	---	---	---	21.26	21.26	21.17	21.88	21.33
EOM	22.77	22.32	21.75	---	---	---	---	21.20	21.33	21.49	21.81	21.39

PRENTISS COUNTY

343152088213002. Local number M21. (USCE 41A)

LOCATION.--Lat 34°31'52", long 88°21'30", Hydrologic Unit 03160101, SE¼NW¼ sec.28, T.6 S., R.9 E., 16 mi (25.7 km) east of Baldwin.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 226 ft (68.9 m), cased to 206 ft (62.8 m).

DATUM.--Land-surface datum is about 480 ft (146.3 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 1.4 ft (0.4 m) above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 134.65 ft (41 m) below land-surface datum, July 12, 1973; lowest measured, 144.28 ft (44.0 m) below land-surface datum, September 10, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	143.34	143.61	143.45	143.54	143.42	143.31	143.31	143.24	143.37	143.72	143.99	144.14
10	143.45	143.63	143.57	143.48	143.46	143.34	143.29	143.31	143.46	143.70	144.01	144.28
15	143.47	143.67	143.61	143.50	143.33	143.51	143.27	143.41	143.58	143.71	144.05	144.19
20	143.52	143.66	143.44	143.20	143.46	143.42	143.35	143.42	143.67	143.79	144.11	144.22
25	143.50	143.62	143.44	143.27	143.22	143.28	143.30	143.41	143.63	143.77	144.12	144.25
EOM	143.67	143.57	143.47	143.36	143.28	143.39	143.34	143.35	143.60	143.87	144.19	144.24

PRENTISS COUNTY--Continued

343152088213003. Local number M22. (USCE 41B)

LOCATION.--Lat 34°31'52", long 88°21'30", Hydrologic Unit 03160101, SE¼NW¼ sec.28, T.6 S., R.9 E., 16 mi (25.7 km) east of Baldwyn.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand of Eutaw of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 176 ft (53.6 m), cased to 166 ft (50.6 m).

DATUM.--Land-surface datum is about 480 ft (146.3 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 1.7 ft (0.5 m) above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 71.76 ft (21.9 m) below land-surface datum, June 26, 1975; lowest measured, 77.33 ft (23.6 m) below land-surface datum, December 7, 1972.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	74.20	JAN 25	74.79	MAY 17	73.10	AUG 29	73.10

343150088205801. Local number M26. (USCE 42A)

LOCATION.--Lat 34°31'50", long 88°20'58", Hydrologic Unit 03160101, NE¼NE¼ sec.28, T.6 S., R.9 E., 16.3 mi (26.2 km) east of Baldwyn.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand of Eutaw of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 69 ft (21 m), cased to 59 ft (18 m).

DATUM.--Land-surface datum is about 420 ft (128 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 2.7 ft (0.8 m).

PERIOD OF RECORD.--January 1976 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 19.40 ft (5.9 m) below land-surface datum, May 26, 1976; lowest measured, 22.43 ft (6.8 m) below land-surface datum, November 17, 1977.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	22.11	JAN 25	21.59	MAY 17	19.60	AUG 16	20.80

343150088205802. Local number M27. (USCE 42B)

LOCATION.--Lat 34°31'50", long 88°20'58", Hydrologic Unit 03160101, NE¼NE¼ sec.28, T.6 S., R.9 E., 16.3 mi (26.2 km) east of Baldwyn.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand of Eutaw of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 49 ft (14.9 m), cased to 39 ft (11.9 m).

DATUM.--Land-surface datum is about 420 ft (128 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 3.0 ft (0.9 m).

PERIOD OF RECORD.--January 1976 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 18.47 ft (5.6 m) below land-surface datum, January 25, 1979; lowest measured, 22.47 ft (6.8 m) below land-surface datum, November 17, 1977.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	22.21	JAN 25	18.47	MAY 17	19.39	AUG 16	20.80

343201088204701. Local number M23. (USCE 43A)

LOCATION.--Lat 34°32'01", long 88°20'47", Hydrologic Unit 03160101, NW¼NW¼ sec.27, T.6 S., R.9 E., 14 mi (22.5 km) southeast of Booneville.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand and gravel of Grodo Formation of Tuscaloosa Group of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 170 ft (51.8 m), cased to 150 ft (45.7 m).

DATUM.--Land-surface datum is about 460 ft (140.2 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 0.7 ft (0.2 m) above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 116.43 ft (35.5 m) below land-surface datum, April 25, 1973; lowest measured 123.45 ft (37.6 m) below land-surface datum, August 29, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	122.86	JAN 25	122.55	MAY 17	122.72	AUG 29	123.45

PRENTISS COUNTY--Continued

343201088204702. Local number M18. (USCE 43B)

LOCATION.--Lat 34°32'01", long 88°20'47", Hydrologic Unit 03160101, NW¼NW¼ sec.27, T.6 S., R.9 E., 14 mi (22.5 km) southeast of Booneville.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--McShan sand member of Eutaw of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 120 ft (36.6 m), cased to 110 ft (33.5 m).

DATUM.--Land-surface datum is about 460 ft (140.2 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 1.2 ft (0.4 m) above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 44.70 ft (13.6 m) below land-surface datum, June 9, 1976; lowest measured, 52.20 ft (15.9 m) below land-surface datum, December 7, 1972.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	47.92	JAN 25	48.60	MAY 17	46.25	AUG 29	46.80

343201088204703. Local number M17. (USCE 43C)

LOCATION.--Lat 34°32'01", long 88°20'47", Hydrologic Unit 03160101, NW¼NW¼ sec.27, T.6 S., R.9 E., 14 mi (22.5 km) southeast of Booneville.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand of Eutaw of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 90 ft (27.4 m), cased to 85 ft (25.9 m).

DATUM.--Land-surface datum is about 445 ft (135.6 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 1.2 ft (0.4 m) above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 27.13 ft (8.3 m) below land-surface datum, May 15, 1976; lowest measured, 34.46 ft (10.5 m) below land-surface datum, December 7, 1972.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	---	30.74	31.11	31.19	30.46	30.27	29.74	28.59	28.41	28.69	29.11	29.48
10	---	30.82	31.22	31.07	30.47	30.11	29.54	28.52	28.50	28.69	29.14	29.62
15	---	30.87	31.11	31.17	30.24	30.15	29.29	28.52	28.54	28.81	29.25	29.71
20	---	30.96	31.06	30.59	30.31	29.94	29.03	28.44	28.58	28.85	29.27	29.60
25	---	31.01	31.30	30.77	30.26	29.96	28.80	28.47	28.63	28.88	29.36	29.72
EOM	30.71	31.05	31.27	30.59	30.18	29.79	28.73	28.49	28.60	29.00	29.43	29.68

343201088194701. Local number M25. (USCE 43D)

LOCATION.--Lat 34°32'01", long 88°19'47", Hydrologic Unit 03160101, NW¼NW¼ sec.27, T.6 S., R.9 E., 14 mi (22.5 km) southeast of Booneville.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand of Eutaw of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 118 ft (36 m), cased to 108 ft (32.9 m).

DATUM.--Land-surface datum is about 460 ft (135.6 cm) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 2.8 ft (0.9 m) above land-surface datum.

PERIOD OF RECORD.--January 1976 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 46.04 ft (14 m) below land-surface datum, July 28, 1977; lowest measured, 50.47 ft (15.4 m) below land-surface datum, November 17, 1977.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	49.75	JAN 25	50.30	MAY 17	47.98	AUG 29	48.90

PRENTISS COUNTY--Continued

342917088212701. Local number M20. (USCE 51A)

LOCATION.--Lat 34°29'17", long 88°21'27", Hydrologic Unit 03160101, SE¼NW¼ sec.9, T.7 S., R.9 E., 15.5 mi (24.9 km) southeast of Baldwin.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 64 ft (19.5 m), cased to 59 ft (18 m).

DATUM.--Land-surface datum is about 356 ft (108.5 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 1.0 ft (0.3 m) above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 30.24 ft (9.2 m) below land-surface datum, April 25, 1973; lowest measured, 34.38 ft (10.5 m) below land-surface datum, October 26, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	34.38	JAN 24	31.00	AUG 16	32.43

342911088205201. Local number M19. (USCE 52A)

LOCATION.--Lat 34°29'11", long 88°20'52", Hydrologic Unit 03160101, NE¼SE¼ sec.9, T.7 S., R.9 E., 15.6 mi (25.1 km) southeast of Baldwin.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 40 ft (12.2 m), cased to 35 ft (10.7 m).

DATUM.--Land-surface datum is about 324 ft (98.8 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 1.0 ft (0.3 m) above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.2 ft (0.1 m) above land-surface datum, April 25, 1973; lowest measured, 8.20 ft (2.5 m) below land-surface datum, October 20, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	8.20	JAN 24	1.55	MAY 17	4.11	AUG 23	6.30

342900088201601. Local number M16. (USCE 53A)

LOCATION.--Lat 34°29'00", long 88°20'16", Hydrologic Unit 03160101, NW¼SE¼ sec.10, T.7 S., R.9 E., 15.7 mi (25.3 km) southeast of Baldwin.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 35 ft (10.7 m), cased to 30 ft (9.1 m).

DATUM.--Land-surface datum is about 332 ft (101.2 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 3.4 ft (1.0 m) above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.31 ft (0.1 m) below land-surface datum, April 25, 1973; lowest measured, 8.26 ft (2.5 m) below land-surface datum, October 26, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	8.26	JAN 24	0.78	MAY 17	2.04	AUG 16	3.74

342215088275501. Local number D35. (USCE 61A)

LOCATION.--Lat 34°22'15", long 88°27'55", Hydrologic Unit 03160101, NE¼SW¼ sec.2, T.8 S., R.8 E., 7.3 mi (11.7 km) northwest of Fulton.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 214 ft (65.2 m), cased to 204 ft (62.2 m).

DATUM.--Land-surface datum is about 300 ft (91.4 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 4.3 ft (1.3 m) above land-surface datum.

PERIOD OF RECORD.--January 1976 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 10.03 ft (3.1 m) below land-surface datum, May 26, 1976; lowest measured, 15.52 ft (4.7 m) below land-surface datum, October 26, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	15.52	JAN 31	13.48	MAY 17	13.22	AUG 9	14.21

342215088275502. Local number D34. (USCE 61B)

LOCATION.--Lat 34°22'15", long 88°27'55", Hydrologic Unit 03160101, NE¼SW¼ sec.21, T.8 S., R.8 E., 7.3 mi (11.7 km) northwest of Fulton.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand of Eutaw of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 74 ft (22.6 m), cased to 64 ft (19.5 m).

DATUM.--Land-surface datum is about 300 ft (91.4 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 3.8 ft (1.2 m) above land-surface datum.

PERIOD OF RECORD.--January 1976 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.04 ft (1.2 m) below land-surface datum, March 10, 1976; lowest measured, 7.87 ft (2.4 m) below land-surface datum, October 26, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	7.87	JAN 31	4.88	MAY 17	4.57	AUG 9	6.41

342239088241001. Local number D24. (USCE 62A)

LOCATION.--Lat 34°22'39", long 88°24'10", Hydrologic Unit 03160101, NE¼NE¼ sec.24, T.8 S., R.8 E., 7 mi (11.3 km) north of Fulton.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 2 in (5.1 cm), depth 144 ft (43.9 m), cased to 120 ft (36.6 m).

DATUM.--Land-surface datum is about 300 ft (91.4 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 0.7 ft (0.2 m) above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 8.77 ft (2.7 m) below land-surface datum, January 12, 1976; lowest measured, 21.45 ft (6.5 m) below land-surface datum, August 31, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	16.52	JAN 31	15.17	MAY 17	13.37	AUG 9	13.80

342239088241002. Local number D25. (USCE 62B)

LOCATION.--Lat 34°22'39", long 88°24'10", Hydrologic Unit 03160101, NE¼NE¼ sec.24, T.8 S., R.8 E., 7 mi (11.3 km) north of Fulton.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand of Eutaw of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 60 ft (18.3 m), cased to 48 ft (14.6 m).

DATUM.--Land-surface datum is about 300 ft (91.4 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 1.0 ft (0.3 m) above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 27.10 ft (8.3 m) below land-surface datum, April 26, 1973; lowest measured, 31.75 ft (9.7 m) below land-surface datum, August 5, 1972.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	31.10	JAN 31	29.96	MAY 17	28.48	AUG 9	29.75

ITAWAMBA COUNTY--Continued

342239088241003. Local number D26. (USCE 62C)

LOCATION.--Lat 34°22'39", long 88°24'10", Hydrologic Unit 03160101, NE¼NE¼ sec.24, T.8 S., R.8 E., 7 mi (11.3 m) north of Fulton.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand of Eutaw of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 2 in (5.1 cm), depth 34 ft (10.4 cm), cased to 29 ft (8.8 m).

DATUM.--Land-surface datum is about 300 ft (91.4 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 2.1 ft (0.6 m) above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 27.10 ft (8.3 m) below land-surface datum, April 26, 1973; lowest measured, 31.74 ft (9.7 m) below land-surface datum, August 31, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	31.04	JAN 31	28.04	MAY 17	29.58	AUG 9	31.01

342241088235701. Local number D27. (USCE 63A)

LOCATION.--Lat 34°22'41", long 88°23'57", Hydrologic Unit 03160101, NE¼NE¼ sec.24, T.8 S., R.8 E., 7 mi (11.3 km) north of Fulton.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Rocks of Paleozoic age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 2 in (5.1 cm), depth 260 ft (79.2 m), cased to 240 ft (73.2 m).

DATUM.--Land-surface datum is about 290 ft (88.4 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 2.2 ft (0.7 m) above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 16.17 ft (4.9 m) above land-surface datum, May 17, 1979; lowest measured, 6.55 ft (2 m) above land-surface datum, August 31, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	10.63	JAN 31	13.00	MAY 17	16.17	AUG 9	13.00

342241088235702. Local number D23. (USCE 63B)

LOCATION.--Lat 34°22'41", long 88°23'57", Hydrologic Unit 03160101, NE¼NE¼ sec.24, T.8 S., R.8 E., 7 mi (11.3 km) north of Fulton.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 150 ft (45.7 m), cased to 90 ft (27.4 m).

DATUM.--Land-surface datum is about 290 ft (88.4 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of valve 3.65 ft (1.1 m) above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 18.8 ft (5.7 m) above land-surface datum, March 10, 1976; lowest measured, 5.23 ft (1.6 m) above land-surface datum, October 26, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	5.23	JAN 31	10.80	MAY 17	13.05	AUG 9	10.00

342241088235703. Local number D28. (USCE 63C)

LOCATION.--Lat 34°22'41", long 88°23'57", Hydrologic Unit 03160101, NE¼NE¼ sec.24, T.8 S., R.8 E., 7 mi (11.3 km) north of Fulton.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand of Eutaw of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 m), depth 25 ft (7.6 m), cased to 20 ft (6.1 m).

DATUM.--Land-surface datum is about 290 ft (88.4 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 1.5 ft (0.5 m) above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.4 ft (0.1 m) above land-surface datum, March 10, 1976; lowest measured, 5.48 ft (1.7 m) below land-surface datum, August 31, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	3.33	JAN 31	1.08	MAY 17	1.70	AUG 9	3.34

ITAWAMBA COUNTY--Continued

342245088232501. Local number E6. (USCE 64A)

LOCATION.--Lat 34°22'45", long 88°23'25", Hydrologic Unit 03160101, SW¼SE¼ sec.18, T.8 S., R.9 E., 7 mi (11.3 km) north of Fulton.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 106 ft (32.2 m), cased to 66 ft (20.1 m).

DATUM.--Land-surface datum is about 300 ft (91.4 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of valve 3.2 ft (1 m) above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured 16.0 ft (4.9 m) above land-surface datum, September 24, 1975; lowest measured 6.65 ft (2.0 m) above land-surface datum, October 26, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	6.65	JAN 31	11.80	MAY 17	12.54	AUG 9	10.40

342245088232502. Local number E4. (USCE 64B)

LOCATION.--Lat 34°22'45", long 88°23'25", Hydrologic Unit 03160101, SW¼SE¼ sec.18, T.8 S., R.9 E., 7 mi (11.3 km) north of Fulton.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand of Eutaw of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 40 ft (12.2 m), cased to 30 ft (9.1 m).

DATUM.--Land-surface datum is about 300 ft (94.1 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 2.4 ft (0.7 m) above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 1.49 ft (0.5 m) above land-surface datum, March 31, 1976; lowest measured, 3.29 ft (1.0 m) below land-surface datum, August 29, 1978.

WATER LEVEL, IN FEET ABOVE AND (-) BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	-2.32	-2.42	-1.45	-0.32	---	---	---	---	0.60	0.60	-0.86	-1.47
10	-2.41	-2.36	-1.07	-0.10	---	---	---	---	0.60	0.60	-1.12	-1.69
15	-2.43	-2.34	-1.11	-0.23	---	---	---	---	0.60	0.13	-1.21	-0.55
20	-2.43	-2.13	-1.03	0.05	---	---	---	0.29	0.60	-0.17	-1.39	-0.52
25	-2.44	-2.03	-0.93	0.28	---	---	---	0.20	0.60	-0.33	-1.47	-0.31
EOM	-2.44	-1.74	-0.94	0.16	---	---	---	0.57	0.60	-0.47	-1.50	-0.43

342301088230101. Local number E5. (USCE 65A)

LOCATION.--Lat 34°23'01", long 88°23'01", Hydrologic Unit 03160101, NE¼SE¼ sec.18, T.8 S., R.9 E., 7.1 mi (11.4 km) north of Fulton.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 130 ft (39.6 m), cased to 110 ft (33.5 m).

DATUM.--Land-surface datum is about 325 ft (99.1 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 5.5 ft (1.7 m) above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 3.67 ft (1.2 m) above land-surface datum, February 20, 1976; lowest measured, 5.48 ft (1.7 m) below land-surface datum, August 31, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	3.57	JAN 31	0.39	MAY 17	0.22	AUG 9	0.80

ITAWAMBA COUNTY--Continued

341610088264801. Local number G65. (USCE 67A)

LOCATION.--Lat 34°16'10", long 88°26'48", Hydrologic Unit 03160101, SW¼SE¼ sec.27, T.9 S., R.8 E., 2 mi (3.2 km) west of Fulton.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 179 ft (54.6 m), cased to 169 ft (51.5 m).

DATUM.--Land-surface datum is about 270 ft (82.3 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 2.4 ft (0.7 m) above land-surface datum.

PERIOD OF RECORD.--January 1976 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured 2.63 ft (0.8 m) above land-surface datum, May 17, 1979; lowest measured, 0.3 ft (0.1 m) below land-surface datum, August 18, 1976.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	1.54	JAN 31	1.60	MAY 17	2.63	AUG 9	1.64

341610088264802. Local number G66. (USCE 67B)

LOCATION.--Lat 34°16'10", long 88°26'48", Hydrologic Unit 03160101, SW¼SE¼ sec.27, T.9 S., R.8 E., 2 mi (3.2 km) west of Fulton.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand of Eutaw of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 71 ft (21.6 m), cased to 61 ft (18.6 m).

DATUM.--Land-surface datum is about 270 ft (82.3 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 2.4 ft (0.7 m) above land-surface datum.

PERIOD OF RECORD.--January 1976 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 10.42 ft (3.2 m) below land-surface datum, May 17, 1979; lowest measured, 19.62 ft (6.0 m) below land-surface datum, October 24, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	19.62	JAN 31	14.70	MAY 17	10.42	AUG 9	17.68

341425088193101. Local number L15. (USCE 71A)

LOCATION.--Lat 34°14'25", long 88°19'31", Hydrologic Unit 03160101, NE¼SW¼ sec.2, T.10 S., R.9 E., 4.6 mi (7.4 km) southwest of Fulton.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 170 ft (51.8 m), cased to 150 ft (45.7 m).

DATUM.--Land-surface datum is about 273 ft (83 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 1.0 ft (0.3 m) above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.24 ft (1.3 m) below land-surface datum, March 10, 1976; lowest measured, 10.09 ft (3.1 ft) below land-surface datum, August 9, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	9.22	JAN 31	7.27	MAY 18	6.70	AUG 9	10.09

341235088233801. Local number L17. (USCE 72A)

LOCATION.--Lat 34°12'35", long 88°23'38", Hydrologic Unit 03160101, NW¼SE¼ sec.18, T.10 S., R.9 E., 4.2 mi (6.8 km) south of Fulton.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Alluvium, undifferentiated, of Quaternary age.

WELL CHARACTERISTICS.--Drilled unused artesian wells, diameter 4 in (10.2 cm), depth 21 ft (6.4 m), cased to 16 ft (4.9 m).

DATUM.--Land-surface datum is about 249 ft (75.9 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 4.6 ft (1.4 m).

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 3.0 ft (0.9 m) above land-surface datum, February 9, 1975; lowest measured, 5.01 ft (1.5 m) below land-surface datum, October 24, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	5.01	AUG 9	0.56

ITAWAMBA COUNTY--Continued

341235088232101. Local number L13. (USCE 73A)

LOCATION.--Lat 34°12'35", long 88°23'21", Hydrologic Unit 03160101, NE¼SE¼ sec.18, T.10 S., R.9 E., 4.2 mi (6.8 km) south of Fulton.

Owner: U.S. Army, Corps of Engineers.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 138 ft (42.1 m), cased to 98 ft (29.9 m).

DATUM.--Land-surface datum is about 249 ft (75.9 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 1.3 ft (0.4 m).

PERIOD OF RECORD.--December 1972 to August 1976.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured 20.10 ft (6.1 m) above land-surface datum, March 8, 1973; lowest measured, 14.30 ft (4.4 m) above land-surface datum, August 26, 1976.

Well destroyed.

341235088232102. Local number L18. (USCE 73B)

LOCATION.--Lat 34°12'35", long 88°23'21", Hydrologic Unit 03160101, NW¼SE¼ sec.18, T.10 S., R.9 E., 4.2 mi (6.8 km) south of Fulton.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--McShan sand member of Eutaw of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 26 ft (7.1 m), cased to 16 ft (4.9 m).

DATUM.--Land-surface datum is about 249 ft (75.9 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 1.0 ft (0.3 m) above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 1.10 ft (0.3 m) above land-surface datum, January 23, 1973; lowest measured 5.59 ft (1.7 m) below land-surface datum, October 24, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	-5.59	JAN 31	0.30	MAY 18	-0.82	AUG 29	-2.24

341232088225302. Local number L14. (USCE 74A)

LOCATION.--Lat 34°12'32", long 88°22'53", Hydrologic Unit 03160101, SW¼SW¼ sec.17, T.10 S., R.9 E., 4.3 mi (6.9 km) south of Fulton.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 150 ft (45.7 m), cased to 130 ft (39.6 m).

DATUM.--Land-surface datum is about 270 ft (82.3 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 1.5 ft (0.5 m) above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 10.63 ft (3.2 m) below land-surface datum, March 14, 1975; lowest measured 20.80 ft (6.3 m) below land-surface datum, September 20, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	16.82	17.24	16.67	15.01	14.43	13.77	13.97	14.20	14.56	16.46	16.72	20.59
10	16.99	17.22	16.59	14.59	14.32	14.07	14.18	14.25	14.96	16.38	16.87	20.80
15	17.10	17.22	16.32	14.77	14.34	14.35	13.78	14.44	15.23	16.10	19.17	20.51
20	17.13	17.14	16.06	14.37	14.50	14.37	14.24	14.60	15.56	16.24	20.05	20.20
25	17.16	17.02	16.02	13.96	14.01	14.04	14.32	14.84	15.59	16.29	20.37	20.01
EOM	17.36	16.88	15.95	13.34	13.94	14.42	14.58	14.82	16.19	16.42	20.53	17.83

241232088225302. Local number L19. (USCE 74B)

LOCATION.--Lat 34°12'32", long 88°22'53", Hydrologic Unit 03160101, SW¼SW¼ sec.17, T.10 S., R.9 E., 4.3 mi (6.9 km) south of Fulton.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Terraces, undifferentiated, of Quaternary age.

WELL CHARACTERISTICS.--Dug unused water table, diameter 24 in (61 cm), depth 16 ft (4.9 m), cased to 16 ft (4.9 m).

DATUM.--Land-surface datum is about 270 ft (82.3 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 3.0 ft (0.9 m).

PERIOD OF RECORD.--January 1973 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.48 ft (0.1 m) below land-surface datum, January 23, 1973; lowest measured, 13.52 ft (4.1 m) below land-surface datum, October 24, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	13.52	JAN 31	3.93	MAY 17	5.27	AUG 9	7.81

ITAWAMBA COUNTY--Continued

341232088222801. Local number L16. (USCE 75A)

LOCATION.--Lat 34°12'32", long 88°22'28", Hydrologic Unit 03160101, SW¼SE¼ sec.17, T.10 S., R.9 E., 4.8 mi (7.7 km) southeast of Fulton.

Owner: U.S. Army, Corps of Engineers

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 144 ft (43.9 m), cased to 124 ft (37.8 m).

DATUM.--Land-surface datum is about 300 ft (91.4 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 1.2 ft (0.4 m) above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 21.12 ft (6.4 m) below land-surface datum, April 25, 1973; lowest measured, 27.18 ft (8.3 m) below land-surface datum, October 24, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	27.18	JAN 31	24.59	MAY 18	24.17	AUG 9	26.54

340544088255201. Local number N28. (USCE 81A)

LOCATION.--Lat 34°05'44", long 88°25'52", Hydrologic Unit 03160101, NE¼SW¼ sec.26, T.11 A., R.8 E., 12.3 mi (19.8 km) south of Fulton.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 180 ft (54.9 m), cased to 170 ft (51.8 m).

DATUM.--Land-surface datum is about 246 ft (75 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 0.4 ft (0.1 m) above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.85 ft (1.5 m) below land-surface datum, March 10, 1976; lowest measured, 21.95 ft (6.7 m) below land-surface datum, August 9, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	9.68	FEB 1	17.46	MAY 18	20.14	AUG 9	21.95

341604088244602. Local number C68. (USCE 106A)

LOCATION.--Lat 34°16'04", long 88°24'46", Hydrologic Unit 03160101, SW¼SE¼ sec.25, T.9 S., R.8 E., in Fulton, Mississippi.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Alluvium, undifferentiated, of Quaternary age.

WELL CHARACTERISTICS.--Drilled unused water table well, diameter 2 in (5.1 cm), depth 10 ft (3 m), cased to 5 ft (1.5 m).

DATUM.--Land-surface datum is about 290 ft (88.4 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 3.80 ft (1.2 m) above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 1.21 ft (0.4 m) above land-surface datum, June 8, 1978; lowest measured, 0.26 ft (0.1 m) below land-surface datum, August 9, 1979.

WATER LEVEL, IN FEET ABOVE AND BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 31	-0.17	MAY 16	0.21	AUG 9	-3.80

ITAWAMBA COUNTY--Continued

341604088244601. Local number C67. (USCE 106B)

LOCATION.--Lat 34°16'04", long 88°24'46", Hydrologic Unit 03160101, SW¼SE¼ sec.25, T.9 S., R.8 E., in Fulton, Mississippi.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (15.2 cm), depth 175 ft (53.3 m), cased to 165 ft (50.3 m).

DATUM.--Land-surface datum is about 284 ft (86.6 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 3.80 ft (1.2 m) above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 8.17 ft (2.5 m) below land-surface datum, June 8, 1978; lowest measured, 25.36 ft (7.7 m) below land-surface datum, September 31, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	12.24	11.54	10.25	9.89	9.53	8.92	9.19	8.89	9.18	---	---	16.95
10	12.13	11.30	10.22	9.83	9.49	9.19	9.29	9.00	9.62	---	---	20.13
15	12.51	11.14	10.17	9.99	9.42	9.29	8.89	9.06	10.51	---	---	20.45
20	12.53	10.93	10.13	9.53	9.48	9.93	9.18	9.62	10.95	---	---	21.13
25	12.20	10.75	10.23	9.43	9.10	10.69	9.09	10.14	---	---	---	21.66
EOM	11.92	10.53	10.16	9.56	9.13	9.89	9.13	9.42	---	---	17.62	25.36

MONROE COUNTY

340504088241101. Local number C51. (USCE 84A)

LOCATION.--Lat 34°05'04", long 88°24'11", Hydrologic Unit 03160101, NW¼NW¼ sec.36, T.11 S., R.8 E., 6.0 mi (9.7 km) northeast of Amory. Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 170 ft (51.8 m), cased to 150 ft (45.7 m).

DATUM.--Land-surface datum is about 234 ft (71.3 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 2.8 ft (0.9 m) above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 13.3 ft (4.1 m) above land-surface datum, March 10, 1976; lowest measured, 7.63 ft (2.3 m) below land-surface datum, February 1, 1979.

WATER LEVEL, IN FEET ABOVE AND (-) BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	4.10	FEB 1	-7.63	MAY 18	3.02	AUG 9	4.69

340504088241102. Local number C52. (USCE 84B)

LOCATION.--Lat 34°05'04", long 88°14'11", Hydrologic Unit 03160101, NW¼NW¼ sec.36, T.11 S., R.8 E., 6.0 mi (9.7 km) northeast of Amory.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 110 ft (33.5 m), cased to 100 ft (30.5 m).

DATUM.--Land-surface datum is about 234 ft (71.3 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 3.2 ft (1 m) above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured 11.46 ft (3.5 m) above land-surface datum, August 2, 1977; lowest measured, 12.42 ft (3.8 m) below land-surface datum, August 9, 1979.

WATER LEVEL, IN FEET ABOVE AND (-) BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	5.60	FEB 1	-0.17	MAY 18	-11.00	AUG 9	-12.42

MONROE COUNTY--Continued

340504088241103. Local number C53. (USCE 84C)

LOCATION.--Lat 34°05'04", long 88°24'11", Hydrologic Unit 03160101, NW¼NW¼ sec.36, T.11 S., R.8 E., 6 mi (9.7 km) northeast of Amory.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Alluvium, undifferentiated, of Quaternary age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 27 ft (8.2 m), cased to 7 ft (2.1 m).

DATUM.--Land-surface datum is about 234 ft (71.3 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 2.3 ft (0.7 m) above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.77 ft (0.2 m) above land-surface datum, February 13, 1977; lowest measured, 4.72 ft (1.4 m) below land-surface datum, August 9, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	4.35	FEB 1	0.53	MAY 18	1.45	AUG 9	4.72

340454088250401. Local number C54. (USCE 85A)

LOCATION.--Lat 34°04'54", long 88°25'04", Hydrologic Unit 03160101, SW¼NE¼ sec.36, T.11 S., R.8 E., 6.0 mi (9.7 km) northeast of Amory.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Alluvium, undifferentiated, of Quaternary age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 21 ft (6.4 m), cased to 11 ft (3.4 m).

DATUM.--Land-surface datum is about 235 ft (71.6 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 2.5 ft (0.8 m).

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.17 ft (0.1 m) below land-surface datum, January 23, 1973; lowest measured, 8.72 ft (2.7 m) below land-surface datum, October 24, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	8.72	FEB 1	1.57	MAY 18	2.45	AUG 9	3.82

340442088250101. Local number C55. (USCE 86A)

LOCATION.--Lat 34°04'42", long 88°25'01", Hydrologic Unit 03160101, NW¼SW¼ sec.36, T.11 S., R.8 E., 6.0 mi (9.7 km) northeast of Amory.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Alluvium, undifferentiated, of Quaternary age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 24 ft (7.3 m), cased to 10 ft (3 m).

DATUM.--Land-surface datum is about 235 ft (71.6 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 1.4 ft (0.4 m) above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.80 ft (0.2 m) below land-surface datum, April 25, 1973; lowest measured, 8.26 ft (2.5 m) below land-surface datum, October 24, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	8.26	FEB 1	1.72	MAY 18	2.40	AUG 9	3.02

340426088245101. Local number C56. (USCE 87A)

LOCATION.--Lat 34°04'26", long 88°24'51", Hydrologic Unit 03160101, SE¼SW¼ sec.36, T.11 S., R.8 E., 6.0 mi (9.7 km) northeast of Amory.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Alluvium, undifferentiated, of Quaternary age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 13 ft (4.0 m), cased to 8 ft (2.4 m).

DATUM.--Land-surface datum is about 236 ft (71.9 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 3.0 ft (0.9 m) above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.28 ft (0.1 m) above land-surface datum, February 15, 1977; lowest measured, 6.70 ft (2.0 m) below land-surface datum, October 24, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	6.70	FEB 1	0.89	MAY 18	1.56	AUG 9	3.14

MONROE COUNTY--Continued

340409088243801. Local number C57. (USCE 89A)

LOCATION.--Lat 34°04'09", long 88°24'38", Hydrologic Unit 03160101, SW¼NE¼ sec.1, T.12 S., R.8 E., 5.9 mi (9.5 km) northeast of Amory.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 166 ft (50.6 m), cased to 146 ft (44.5 m).

DATUM.--Land-surface datum is about 245 ft (74.7 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 1.65 ft (0.5 m) above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 1.48 ft (0.5 m) above land-surface datum, April 26, 1973; lowest measured, 33.78 ft (10.3 m) below land-surface datum, August 9, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	3.97	4.18	---	---	30.09	---	---	---	---	---	---	---
10	4.36	4.22	---	---	---	---	---	---	---	---	33.78	---
15	4.22	5.19	---	---	---	---	---	---	---	---	---	---
20	4.15	---	---	---	---	---	---	32.55	---	---	---	---
25	4.09	---	---	---	---	---	---	---	---	---	---	---
EOM	4.26	---	---	---	---	---	---	---	---	---	---	---

340409088243802. Local number C58. (USCE 89B)

LOCATION.--Lat 34°04'09", long 88°24'38", Hydrologic Unit 03160101, SW¼NE¼ sec.1, T.12 S., R.8 E., 5.9 mi (9.5 km) northeast of Amory.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--McShan sand member of Eutaw of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 45 ft (13.7 m), cased to 40 ft (12.2 m).

DATUM.--Land-surface datum is about 245 ft (74.7 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 2.0 ft (0.6 m) above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 3.99 ft (1.2 m) below land-surface datum, June 8, 1978; lowest measured, 9.92 ft (3.0 m) below land-surface datum, October 24, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	9.92	FEB 1	5.34	MAY 18	5.78	AUG 9	7.16

340149088292201. Local number C61. (USCE 91A)

LOCATION.--Lat 34°01'49", long 88°29'22", Hydrologic Unit 03160101, SW¼SW¼ sec.17, T.12 S., R.8 E., 2 mi (3.2 km) north of Amory.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand of Eutaw of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 88 ft (26.8 m), cased to 78 ft (23.8 m).

DATUM.--Land-surface datum is about 218 ft (66.4 m) above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 1.2 ft (0.4 m) above land-surface datum.

PERIOD OF RECORD.--August 1972 to May 1977.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.75 ft (0.2 m) above land-surface datum, March 20, 1974; lowest measured, 10.17 ft (3.1 m) below land-surface datum, September 24, 1975.

Well destroyed.

340149088292202. Local number C69. (USCE 91B)

LOCATION.--Lat 34°01'49", long 88°29'22", Hydrologic Unit 03160101, SW¼SW¼ sec.17, T.12 S., R.8 E., 2.0 mi (3.2 km) north of Amory.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Alluvium, undifferentiated, of Quaternary age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 20 ft (6.1 m), cased to 10 ft (3 m).

DATUM.--Land-surface datum is about 218 ft (66.4 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 1.0 ft (0.3 m) above land-surface datum.

PERIOD OF RECORD.--August 1972 to May 1977.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 1.12 ft (0.3 m) below land-surface datum, March 22, 1973; lowest measured, 13.03 ft (4 m) below land-surface datum, November 9, 1976.

Well destroyed.

MONROE COUNTY--Continued

340115088292101. Local number C62. (USCE 92A)

LOCATION.--Lat 34°01'15", long 88°29'21", Hydrologic Unit 03160101, NW¼SW¼ sec.20, T.12 S., R.8 E., 1.5 mi (2.4 km) north of Amory.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 200 ft (61 m), cased to 190 ft (57.9 m).

DATUM.--Land-surface datum is about 216 ft (65.8 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 1.80 ft (0.55 m) above land-surface datum.

PERIOD OF RECORD.--August 1972 to May 1977.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 7.75 ft (2.4 m) above land-surface datum, March 22, 1973; lowest measured, 0.3 ft (0.1 m) above land-surface datum, October 16, 1974.

Well destroyed.

340115088292102. Local number C68. (USCE 92B)

LOCATION.--Lat 34°01'15", long 88°29'21", Hydrologic Unit 03160101, NW¼SW¼ sec.20, T.12 S., R.8 E., 1.5 mi (2.4 km) north of Amory.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Alluvium, undifferentiated, of Quaternary age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 19 ft (5.8 m), cased to 14 ft (4.3 m).

DATUM.--Land-surface datum is about 216 ft (65.8 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 2.0 ft (0.6 m) above land-surface datum.

PERIOD OF RECORD.--August 1972 to May 1977.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.28 ft (0.1 m) above land-surface datum, January 23, 1973; lowest measured, 9.81 ft (3 m) below land-surface datum, October 16, 1972.

Well destroyed.

340042088298101. Local number C63. (USCE 93A)

LOCATION.--Lat 34°00'42", long 88°29'20", Hydrologic Unit 03160101, NW¼NW¼ sec.29, T.12 S., R.8 E., 1.0 mi (1.6 km) north of Amory.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand of Eutaw of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 70 ft (21.3 m), cased to 65 ft (19.8 m).

DATUM.--Land-surface datum is about 213 ft (64.9 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 3.0 ft (0.9 m) above land-surface datum.

PERIOD OF RECORD.--August 1973 to May 1977.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.15 ft (0.05 m) above land-surface datum, March 10, 1976; lowest measured, 5.10 ft (1.6 m) below land-surface datum, October 16, 1972.

Well destroyed.

340056088283001. Local number C66. (USCE 94A)

LOCATION.--Lat 34°00'56", long 88°28'30", Hydrologic Unit 03160101, SE¼SE¼ sec.20, T.12 S., R.8 E., 0.5 mi (0.8 km) north of Amory.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Terraces, undifferentiated, of Quaternary age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 20 ft (6.1 m), cased to 10 ft (3 m).

DATUM.--Land-surface datum is about 217 ft (66.1 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 2.0 ft (0.6 m) above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.60 ft (0.2 m) above land-surface datum, April 10, 1974; lowest measured, 3.43 ft (1.1 m) below land-surface datum, October 24, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	3.43	FEB 1	0.30	MAY 18	0.14	AUG 9	0.82

MONROE COUNTY--Continued

340054088281801. Local number C59. (USCE 95A)

LOCATION.--Lat 34°00'54", long 88°28'18", Hydrologic Unit 03160101, SW¼SW¼ sec.21, T.12 S., R.8 S., 0.5 mi (0.8 km) north of Amory.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 166 ft (50.6 m), cased to 156 ft (47.5 m).

DATUM.--Land-surface datum is about 220 ft (67.1 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 1.6 ft (0.5 m) above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.09 ft (0.03 m) above land-surface datum, March 22, 1973; lowest measured, 15.07 ft (4.6 m) below land-surface datum, September 30, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	7.25	7.55	9.42	---	11.07	12.33	12.88	13.07	13.80	14.75	14.66	14.82
10	7.25	7.95	9.53	---	11.42	12.59	12.89	13.16	13.95	14.44	14.74	14.98
15	7.40	8.12	---	---	11.71	12.83	12.88	13.40	14.15	14.49	14.89	14.89
20	7.44	8.48	---	---	12.08	12.84	13.09	13.59	14.35	14.62	15.02	14.73
25	7.53	8.87	---	---	12.17	12.84	13.23	13.04	14.38	14.47	14.93	14.85
EOM	7.57	9.23	---	---	12.25	13.04	13.23	13.71	14.58	14.51	14.98	15.07

340054088281802. Local number C67. (USCE 95B)

LOCATION.--Lat 34°00'54", long 88°28'18", Hydrologic Unit 03160101, SW¼SW¼ sec.21, T.12 S., R.8 E., 0.5 mi (0.8 km) north of Amory.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Alluvium, undifferentiated, of Quaternary age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 20 ft (6.1 m), cased to 10 ft (3 m).

DATUM.--Land-surface datum is about 220 ft (67.1 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 1.65 ft (0.5 m) above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 1.38 ft (0.4 m) below land-surface datum, March 31, 1976; lowest measured, 5.26 ft (1.6 m) below land-surface datum, September 15, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	4.60	5.30	3.89	2.48	---	---	---	---	---	---	---	---
10	4.75	5.22	3.35	2.23	---	---	---	---	2.09	---	2.65	---
15	4.84	5.26	3.74	2.33	---	---	---	---	---	---	---	---
20	5.00	5.03	3.72	1.73	---	---	---	---	---	---	---	---
25	5.10	4.98	3.50	1.86	---	---	---	---	---	---	---	---
EOM	5.23	4.41	2.62	1.89	---	---	---	---	---	---	---	---

340018088270701. Local number C60. (USCE 96A)

LOCATION.--Lat 34°00'18", long 88°27'07", Hydrologic Unit 03160101, NW¼SE¼ sec.20, T.12 S., R.18 W., 0.8 mi (1.3 km) northeast of Amory.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 164 ft (50 m), cased to 154 ft (46.9 m).

DATUM.--Land-surface datum is about 253 ft (77.1 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 0.8 ft (0.2 m).

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 20.92 ft (6.4 m) below land-surface datum, April 26, 1973; lowest measured, 34.05 ft (10.4 m) below land-surface datum, August 9, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	26.91	FEB 1	30.38	MAY 22	33.05	AUG 9	34.05

MONROE COUNTY--Continued

340018088270702. Local number C70. (USCE 96B)

LOCATION.--Lat 34°00'18", long 88°27'07", Hydrologic Unit 03160101, SW¼SE¼ sec.20, T.12 S., R.18 W., 0.5 mi (0.8 km) north of Amory.

Owner: Irma Tubbs.

AQUIFER.--Terraces, undifferentiated, of Quaternary age.

WELL CHARACTERISTICS.--Dug unused water table well, diameter 24 in (61 cm), depth 16 ft (4.9 m).

DATUM.--Land-surface datum is about 257 ft (78.3 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 2.9 ft (0.9 m) above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 2.13 ft (0.6 m) below land-surface datum, April 26, 1973; lowest measured, 12.10 ft (3.7 m) below land-surface datum, November 25, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	11.26	11.91	11.87	3.96	---	---	---	---	3.93	7.44	6.45	8.13
10	11.35	11.98	11.54	3.02	---	---	---	---	4.47	5.71	7.07	8.58
15	11.45	12.03	11.36	3.43	---	---	---	---	5.53	4.70	7.60	6.89
20	11.53	12.07	11.30	2.32	---	---	---	---	6.27	5.07	7.99	7.27
25	11.76	12.10	11.03	2.77	---	---	---	5.29	6.65	5.32	8.13	6.70
EOM	11.85	12.09	10.84	3.28	---	---	---	4.53	7.03	5.82	8.33	7.04

335902088314501. Local number C80. (USCE TTM 6A)

LOCATION.--Lat 33°59'02", long 88°31'45", Hydrologic Unit 03160101, NE¼NE¼ sec.33, T.13 S., R.19 W., 2.0 mi (3.2 km) west of Amory.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Tombigbee sand member of Eutaw of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 65 ft (19.8 m), cased to 55 ft (16.8 m).

DATUM.--Land-surface datum is about 210 ft (64 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 5.0 ft (1.5 m) above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.26 ft (1.6 m) below land-surface datum, March 10, 1976; lowest measured 11.13 ft (3.4 m) below land-surface datum, October 24, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	11.13	FEB 1	7.59

335902088314502. Local number C81. (USCE TTM 6B)

LOCATION.--Lat 33°59'02", long 88°31'45", Hydrologic Unit 03160101, NE¼NE¼ sec.33, T.13 S., R.19 W., 2.0 mi (3.2 km) west of Amory.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Alluvium, undifferentiated, of Quaternary age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (15.2 cm), depth 38 ft (11.6 m), cased to 28 ft (8.5 m).

DATUM.--Land-surface datum is about 210 ft (64 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 5.0 ft (1.5 m) above land-surface datum.

PERIOD OF RECORD.--June 1973 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.90 ft (1.5 m) below land-surface datum, March 10, 1976; lowest measured, 10.76 ft (3.3 m) below land-surface datum, October 24, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	10.76	FEB 1	7.23	MAY 22	5.93	AUG 8	8.09

MONROE COUNTY--Continued

335445088312501. Local number H17. (USCE TTM 5A)

LOCATION.--Lat 33°54'45", long 88°31'25", Hydrologic Unit 03160101, SE¼SW¼ sec.22, T.13 S., R.19 W., 6.4 mi (10.3 km) north of Aberdeen.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand of Eutaw of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 90 ft (27.4 m), cased to 80 ft (24.4 m).

DATUM.--Land-surface datum is about 200 ft (61 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 5.0 ft (1.5 m) above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 7.12 ft (2.2 m) below land-surface datum, March 10, 1976; lowest measurement 15.15 ft (4.6 m) below land-surface datum, October 24, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	15.15	FEB 1	8.74	MAY 22	9.68	AUG 8	11.50

335445088312502. Local number H18. (USCE TTM 5B)

LOCATION.--Lat 33°54'45", long 88°31'25", Hydrologic Unit 03160101, SE¼SW¼ sec.22, T.13 S., R.19 W., 6.4 mi (10.3 km) north of Aberdeen.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Alluvium, undifferentiated, of Quaternary age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (15.2 cm), depth 26 ft (7.9 m), cased to 16 ft (4.9 m).

DATUM.--Land-surface datum is about 200 ft (61 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 5.0 ft (1.5 m) above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.70 ft (2 m) below land-surface datum, March 10, 1976; lowest measured, 13.80 ft (4.2 m) below land-surface datum, October 24, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	13.80	FEB 1	8.05	MAY 22	13.06	AUG 8	10.50

335117088332801. Local number L63. (USCE 101A)

LOCATION.--Lat 33°51'17", long 88°33'28", Hydrologic Unit 03610101, SW¼SW¼ sec.15, T.14 S., R.7 E., 2.0 mi (3.2 km) north of Aberdeen.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand of Eutaw of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 90 ft (27.4 m), cased to 80 ft (24.4 m).

DATUM.--Land-surface datum is about 202 ft (61.6 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 1.60 ft (0.49 m) above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 11.92 ft (3.6 m) below land-surface datum, March 22, 1973; lowest measured, 25.28 ft (7.7 m) below land-surface datum, October 24, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	25.28	FEB 1	21.19	MAY 22	18.15	AUG 8	22.03

335117088332802. Local number L69. (USCE 101B)

LOCATION.--Lat 33°51'17", long 88°33'28", Hydrologic Unit 03160101, SW¼SW¼ sec.15, T.14 S., R.7 E., 2.0 mi (3.2 km) north of Aberdeen.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Terraces, undifferentiated, of Quaternary age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 20 ft (6.1 m), cased to 15 ft (4.6 m).

DATUM.--Land-surface datum is about 202 ft (61.6 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 1.6 ft (0.5 m) above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 2.05 ft (0.6 m) below land-surface datum, May 30, 1973; lowest measured, 11.28 ft (3.4 m) below land-surface datum, October 24, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	11.28	FEB 1	7.02	MAY 22	4.95	AUG 8	8.20

MONROE COUNTY--Continued

335118088323201. Local number L64. (USCE 102A)

LOCATION.--Lat 34°51'18", long 88°32'32", Hydrologic Unit 03160101, NW¼NW¼ sec.23, T.14 S., R.7 E., 2.0 mi (3.2 km) north of Aberdeen.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand of Eutaw of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 50 ft (15.2 m), cased to 40 ft (12.2 m).

DATUM.--Land-surface datum is about 191 ft (58.2 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 3.0 ft (0.9 m) above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 1.02 ft (0.3 m) above land-surface datum, March 22, 1973; lowest measured, 11.46 ft (3.5 m) below land-surface datum, October 19, 1972.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	9.07	FEB 1	1.65	MAY 22	2.37	AUG 8	4.59

335118088323202. Local number L68. (USCE 102B)

LOCATION.--Lat 33°51'18", long 88°32'32", Hydrologic Unit 03160101, NW¼NW¼ sec.23, T.14 S., R.7 E., 2.0 mi (3.2 km) north of Aberdeen.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Alluvium, undifferentiated, of Quaternary age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 30 ft (9.1 m), cased to 25 ft (7.6 m).

DATUM.--Land-surface datum is about 191 ft (58.2 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 3.0 ft (0.9 m) above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 1.05 ft (0.3 m) above land-surface datum, March 22, 1973; lowest measured, 8.80 ft (2.7 m) below land-surface datum, December 11, 1975.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	8.56	FEB 1	1.39	MAY 22	2.12	AUG 8	4.60

335122088305201. Local number L65. (USCE 104A)

LOCATION.--Lat 33°51'22", long 88°30'52", Hydrologic Unit 03160101, SE¼SE¼ sec.10, T.14 S., R.19 W., 2.3 mi (3.7 km) northeast of Aberdeen.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand of Eutaw of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 55 ft (16.8 m), cased to 50 ft (15.2 m).

DATUM.--Land-surface datum is about 194 ft (59.1 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 0.5 ft (0.2 m) above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 2.30 ft (0.7 m) below land-surface datum, April 8, 1974; lowest measured, 9.77 ft (3.0 m) below land-surface datum, October 24, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	9.77	FEB 1	2.37	MAY 22	4.18	AUG 8	6.91

335122088305202. Local number L67. (USCE 104B)

LOCATION.--Lat 33°51'22", long 88°30'52", Hydrologic Unit 03160101, SE¼SE¼ sec.10, T.14 S., R.19 E., 2.3 mi (3.7 km) northeast of Aberdeen.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Alluvium, undifferentiated, of Quaternary age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 24 ft (7.3 m), cased to 19 ft (5.8 m).

DATUM.--Land-surface datum is about 194 ft (59.1 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing at land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 1.86 ft (0.5 m) below land-surface datum, March 10, 1976; lowest measured 9.24 ft (2.8 m) below land-surface datum, October 20, 1972.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	9.12	FEB 1	2.36	MAY 22	3.82	AUG 8	6.23

MONROE COUNTY--Continued

335122088293001. Local number L62. (USCE 105A)

LOCATION.--Lat 33°51'22", long 88°29'30", Hydrologic Unit 03160101, SW¼SW¼ sec.19, T.14 S., R.19 W., 3.7 mi (6.0 km) northeast of Aberdeen.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand of Eutaw of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 64 ft (19.5 m), cased to 54 ft (16.4 m).

DATUM.--Land-surface datum is about 210 ft (64 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 0.8 ft (0.2 m) above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured 6.20 ft (1.9 m) below land-surface datum, March 22, 1973; lowest measured 14.65 ft (4.5 m) November 15, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	14.06	14.64	14.41	12.37	---	---	---	---	---	8.84	---	12.44
10	14.17	14.64	14.22	11.64	---	---	---	---	---	---	---	12.68
15	14.26	14.65	14.16	9.55	---	---	---	---	---	---	---	12.36
20	14.35	14.64	14.11	9.49	---	8.70	---	---	---	---	---	12.17
25	14.46	14.57	14.00	---	---	---	---	---	9.19	---	---	11.81
EOM	14.58	14.53	13.89	---	---	---	---	---	8.96	---	12.41	11.87

334958088323602. Local number L77. (USCE AB10)

LOCATION.--Lat 33°49'58", long 88°32'36", Hydrologic Unit 03160101, SW¼SW¼ sec.26, T.14 S., R.7 E., in Aberdeen.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand of Eutaw of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 145 ft (44.2 m), cased to 135 ft (41.1 m).

DATUM.--Land-surface datum is about 200 ft (61 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 3.5 ft (1.1 m) above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 33.17 ft (10.1 m) below land-surface datum, May 11, 1977; lowest measured, 56.68 ft (17.3 m) below land-surface datum, January 31, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	38.42	46.74	41.90	39.55	---	---	---	---	51.77	---	---	---
10	39.80	46.65	41.14	38.11	---	---	---	---	49.86	---	---	---
15	39.85	49.04	53.27	39.32	---	---	---	---	---	---	---	---
20	36.78	46.44	52.19	39.67	---	---	---	---	---	---	---	---
25	43.54	49.94	42.76	35.78	---	---	---	---	---	---	---	---
EOM	42.32	43.31	42.80	56.28	---	---	---	---	---	---	---	---

334958088323601. Local number L75. (USCE AB11)

LOCATION.--Lat 33°49'58", long 88°32'36", Hydrologic Unit 03160101, SE¼SE¼ sec.26, T.14 S., R.7 E., in Aberdeen.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--McShan sand member of Eutaw of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 224 ft (68.3 m), cased to 204 ft (62.2 m).

DATUM.--Land-surface datum is about 200 ft (61 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 3.2 ft (1 m) above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 13.11 ft (4.0 m) below land-surface datum, May 11, 1977; lowest measured 27.43 ft (8.4 m) below land-surface datum, August 25, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	25.45	25.79	25.86	25.69	24.94	25.54	25.54	25.54	25.66	26.16	27.24	26.28
10	25.52	25.85	25.71	---	24.95	25.54	25.54	25.54	25.60	25.96	27.05	26.86
15	25.62	25.92	25.73	---	25.43	25.54	25.54	25.54	25.74	25.74	27.10	26.35
20	25.73	25.98	25.76	---	25.54	25.54	25.54	25.54	25.77	26.06	27.42	26.40
25	25.79	26.01	25.74	---	25.54	25.54	25.54	25.61	26.20	26.30	27.43	26.34
EOM	25.79	25.98	25.76	---	25.54	25.54	25.54	25.66	26.04	26.53	26.50	26.83

MONROE COUNTY--Continued

334958088323603. Local number L78. (USCE AB12)

LOCATION.--Lat 33°49'58", long 88°32'36", Hydrologic Unit 03160101, SW¼SW¼ sec.26, T.14 S., R.7 E., in Aberdeen.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand of Eutaw of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 90 ft (27.4 m), cased to 80 ft (24.4 m).

DATUM.--Land-surface datum is about 200 ft (61 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor 3.0 ft (0.9 m) above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 30.94 ft (3.96 m) below land-surface datum, May 11, 1977; lowest measured, 52.09 ft (15.9 m) below land-surface datum, January 10, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	---	42.69	43.72	51.06	40.78	31.01	33.43	42.43	36.80	---	---	41.70
10	---	42.55	45.11	52.09	39.81	31.01	35.54	40.45	---	---	47.78	46.36
15	---	41.78	43.22	51.84	38.15	33.99	35.88	37.14	---	---	47.99	46.39
20	---	42.41	42.87	48.66	39.74	35.10	38.51	36.47	---	---	48.11	46.39
25	42.09	42.17	43.54	52.08	35.26	32.22	42.64	39.49	---	---	48.06	46.39
EOM	42.56	42.54	43.24	52.08	32.45	33.39	44.38	39.32	---	---	41.00	46.39

334910088311501. Local number L73. (USCE TTM 4A)

LOCATION.--Lat 33°49'10", long 88°31'15", Hydrologic Unit 03160101, SE¼NW¼ sec.36, T.14 S., R.7 E., 1.3 mi (2.1 km) east of Aberdeen.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand of Eutaw of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 177 ft (53.9 m), cased to 167 ft (50.9 m).

DATUM.--Land-surface datum is about 200 ft (61 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 5.2 ft (1.6 m) above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 14.04 ft (4.3 m) below land-surface datum, March 11, 1976; lowest measured, 33.46 ft (10.2 m) below land-surface datum, October 23, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	33.46	FEB 1	21.42	MAY 21	25.08	AUG 8	27.27

334910088311502. Local number L74. (USCE TTM 4B)

LOCATION.--Lat 33°49'10", long 88°31'15", Hydrologic Unit 03160101, SE¼NW¼ sec.36, T.14 S., R.7 E., 1.3 mi (2.1 km) east of Aberdeen.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Alluvium, undifferentiated, of Quaternary age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (15.2 cm), depth 26 ft (7.9 m), cased to 16 ft (4.9 m).

DATUM.--Land-surface datum is about 200 ft (61 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 5.3 ft (1.6 m) above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 9.02 ft (2.7 m) below land-surface datum, March 11, 1976; lowest measured, 14.87 ft (4.5 m) below land-surface datum, October 23, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	14.87	FEB 1	9.31	MAY 21	10.23	AUG 8	10.22

LOWNDES COUNTY

333805088291001. Local number A33. (USCE TTM 3A)

LOCATION.--Lat 33°38'05", long 88°29'10", Hydrologic Unit 03160101, NW¼NW¼ sec.36, T.16 S., R.19 W., 10 mi (16.1 km) northwest of Columbus.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand of Eutaw of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 78 ft (23.8 m), cased

LINE OMITTED.....

DATUM.--Land-surface datum is about 182 ft (55.5 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 5.0 ft (1.5 m) above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 1.27 ft (0.4 m) below land-surface datum, June 9, 1978; lowest measured, 8.73 ft (2.7 m) below land-surface datum, October 23, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	8.73	FEB 1	2.36	MAY 17	3.20	AUG 8	4.32

333805088291002. Local number A34. (USCE TTM 3B)

LOCATION.--Lat 33°38'05", long 88°29'10", Hydrologic Unit 03160104, NW¼NW¼ sec.36, T.16 S., R.19 W., 10 mi (16.1 km) northwest of Columbus.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Alluvium, undifferentiated, of Quaternary age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (15.2 cm), depth 31 ft (9.4 m), cased to 21 ft (6.4 m).

DATUM.--Land-surface datum is about 182 ft (55.5 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 4.9 ft (1.5 m) above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 1.32 ft (0.4 m) below land-surface datum, June 9, 1978; lowest measured 8.80 ft (2.7 m) below land-surface datum, October 23, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	8.80	FEB 1	2.42	MAY 17	3.12	AUG 8	3.79

333355088282502. Local number C100. (USCE 114B)

LOCATION.--Lat 33°33'55", long 88°28'25", Hydrologic Unit 03160101, SE¼SE¼ sec.24, T.17 S., R.19 W., 5.2 mi (1.6 km) northwest of Columbus.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Terraces, undifferentiated, of Quaternary age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 47 ft (14.3 m), cased to 37 ft (11.3 m).

DATUM.--Land-surface datum is about 170 ft (51.8 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 1.0 ft (0.3 m) above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.82 ft (0.2 m) above land-surface datum, March 23, 1973; lowest measured, 10.80 ft (3.3 m) below land-surface datum, October 23, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	7.89	FEB 1	10.80	MAY 17	5.38	AUG 8	5.72

333355088282503. Local number C101. (USCE 114C)

LOCATION.--Lat 33°33'55", long 88°28'25", Hydrologic Unit 03160101, SE¼SE¼ sec.24, T.17 S., R.19 W., 5.2 mi (1.6 km) northwest of Columbus.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand of Eutaw of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 92 ft (28 m), cased to 82 ft (25 m).

DATUM.--Land-surface datum is about 170 ft (51.8 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 2.3 ft (0.7 m) above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.59 ft (0.2 m) below land-surface datum, March 23, 1973; lowest measured, 11.05 ft (3.4 m) below land-surface datum, October 23, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	11.05	FEB 1	3.17	MAY 17	9.02	AUG 8	9.38

LOWNDES COUNTY--Continued

333354088270501. Local number C99. (USCE 115A)

LOCATION.--Lat 33°33'54", long 88°27'05", Hydrologic Unit 03160101, SE¼SE¼ sec.19, T.17 S., R.18 W., 7.0 mi (11.3 km) northwest of Columbus.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand of Eutaw of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 84 ft (25.6 m), cased to 74 ft (22.6 m).

DATUM.--Land-surface datum is about 172 ft (52.4 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 1.4 ft (0.4 m).

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.63 ft (0.2 m) below land-surface datum, March 22, 1973; lowest measured, 6.83 ft (2.1 m) below land-surface datum, October 23, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	6.83	FEB 1	4.85	MAY 17	3.85	AUG 8	4.37

333354088270502. Local number C102. (USCE 115B)

LOCATION.--Lat 33°33'54", long 88°27'05", Hydrologic Unit 03160101, SE¼SE¼ sec.19, T.17 S., R.18 W., 7.0 mi (11.3 km) northwest of Columbus.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Terraces, undifferentiated, of Quaternary age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 24 ft (7.3 m), cased to 19 ft (5.8 m).

DATUM.--Land-surface datum is about 172 ft (52.4 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 1.4 ft (0.4 m) above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.34 ft (0.1 m) below land-surface datum, March 22, 1973; lowest measured 10.57 ft (3.2 m) below land-surface datum, October 19, 1972.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	10.03	FEB 1	2.75	MAY 17	2.98	AUG 8	3.84

332935088282001. Local number F73. (USCE TTM 2A)

LOCATION.--Lat 33°29'35", long 88°28'20", Hydrologic Unit 03160101, NE¼NW¼ sec.25, T.19 N., R.17 E., 2.3 mi (3.7 km) west of Columbus.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand of Eutaw of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 162 ft (49.4 m), cased to 152 ft (46.3 m).

DATUM.--Land-surface datum is about 160 ft (48.8 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 5.8 ft (1.8 m) above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 13.16 ft (4 m) below land-surface datum, June 4, 1975; lowest measured, 27.64 ft (8.4 m) below land-surface datum, October 3, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 3	27.64	FEB 2	26.40	MAY 17	25.97	AUG 7	26.05

332935088282002. Local number F74. (USCE TTM 2B)

LOCATION.--Lat 33°29'35", long 88°28'20", Hydrologic Unit 03160101, NE¼SW¼ sec.17, T.20 S., R.17 W., 2.3 mi (3.7 km) west of Columbus.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Alluvium, undifferentiated of Quaternary age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (15.2 cm), depth 19 ft (5.8 m), cased to 9 ft (2.7 m).

DATUM.--Land-surface datum is about 160 ft (48.8 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 5.3 ft (1.6 m) above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 12.60 ft (3.8 m) below land-surface datum, May 17, 1979; lowest measured, 22.81 ft (7.0 m) below land-surface datum, February 10, 1977.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 3	17.30	FEB 2	14.63	MAY 17	12.60	AUG 7	15.29

LOWNDES COUNTY--Continued

331915088202001. Local number Q12. (USCE TTM 1A)

LOCATION.--Lat 33°19'15", long 88°20'20", Hydrologic Unit 03160106, NE¼SW¼ sec.17, T.20 S., R.17 W., 12.3 mi (19.8 km) southeast of Columbus.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand of Eutaw of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 141 ft (43 m), cased to 131 ft (39.9 m).

DATUM.--Land-surface datum is about 150 ft (45.7 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 5.0 ft (1.5 m) above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 7.86 ft (2.4 m) below land-surface datum, March 11, 1976; lowest measured, 13.90 ft (4.2 m) below land-surface datum, October 3, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 3	13.90	JAN 31	12.40	MAY 17	12.60	AUG 7	12.46

331915088202002. Local number Q13. (USCE TTM 1B)

LOCATION.--Lat 33°19'15", long 88°20'20", Hydrologic Unit 03160106, NE¼SW¼ sec.17, T.20 S., R.17 W., 12.3 mi (19.8 km) southeast of Columbus.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Alluvium, undifferentiated, of Quaternary age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (15.2 cm), depth 24 ft (7.3 m), cased to 14 ft (4.3 m).

DATUM.--Land-surface datum is about 150 ft (45.7 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 5.2 ft (1.6 m) above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.35 ft (1.9 m) below land-surface datum, January 31, 1979; lowest measured, 17.60 ft (5.4 m) below land-surface datum, October 3, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 3	17.60	JAN 31	6.35	MAY 17	9.95	AUG 7	12.22

CLAY COUNTY

333351088320301. Local number J97. (USCE 111A)

LOCATION.--Lat 33°35'51", long 88°32'03", Hydrologic Unit 03160101, SW¼SW¼ sec.26, T.17 S., R.7 E., 7.2 mi (11.6 km) southeast of West Point.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand of Eutaw of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 110 ft (33.5 m), cased to 100 ft (30.5 m).

DATUM.--Land-surface datum is about 180 ft (54.9 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 0.3 ft (0.21 m) above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 12.00 ft (3.7 m) below land-surface datum, March 22, 1973; lowest measured, 23.06 ft (7.0 m) below land-surface datum, October 23, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	23.06	FEB 1	22.55	MAY 17	21.26	AUG 8	21.56

CLAY COUNTY--Continued

333402088301001. Local number J98. (USCE 112A)

LOCATION.--Lat 33°40'20", long 88°30'10", Hydrologic Unit 03160101, NE¼SE¼ sec.30, T.17 S., R.8 E., 8.8 mi (14.2 m) southeast of West Point.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand of Eutaw of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 58 ft (17.7 m), cased to 48 ft (14.6 m).

DATUM.--Land-surface datum is about 190 ft (57.9 m) National Geodetic Vertical Datum of 1929. Measuring point:

Top of recorder house floor, 0.7 ft (0.2 m) above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.80 ft (1.5 m) below land-surface datum, April 22, 1973; lowest measured, 12.63 ft (3.9 m) below land-surface datum, November 15, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	---	12.58	12.51	12.10	10.27	8.49	7.55	7.23	7.94	9.61	8.85	9.58
10	---	12.58	12.43	11.93	9.94	8.22	7.44	7.35	8.13	9.59	8.96	9.69
15	---	12.63	12.39	11.77	9.57	8.02	7.24	7.45	8.34	9.50	9.15	9.65
20	---	12.62	12.31	11.36	9.33	7.86	7.22	7.53	8.66	9.29	9.37	9.49
25	12.45	12.62	12.27	11.03	8.93	7.70	7.16	7.75	8.98	9.05	9.50	9.19
EOM	12.56	12.58	12.23	10.63	8.82	7.68	7.19	7.87	9.24	8.84	9.55	8.87

QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

Analyses of samples collected for the statewide program are given in the following table. Field determinations and chloride concentrations of samples collected at additional wells in Harrison and Jackson Counties are found in the table "Field Determinations and Chloride Concentrations in Harrison and Jackson Counties, Mississippi." Analyses of samples collected at additional wells in the Tennessee-Tombigbee Study Area are found in the table "Analyses of Samples Collected in the Tennessee-Tombigbee Study Area, Mississippi." Also, field determinations were measured at additional wells in the Tennessee-Tombigbee study area and are listed in the table "Field Determinations in the Tennessee-Tombigbee Study Area, Mississippi."

STATION NUMBER	LOCAL IDENTIFICATION	GEOLOGIC UNIT	DEPTH OF WELL, TOTAL (FEET)	DATE OF SAMPLE	TIME	SPECIFIC CONDUCTANCE (MICROHMS)	PH (UNITS)	TEMPERATURE, WATER (DEG C)	COLOR (PLATINUM COBALT UNITS)
ADAMS									
313538091213201	D045 BROADMOORE HILL	122MCCN	150	79-06-06	1700	514	6.7	20.0	0
BENTON									
345100089104803	H010 ASHLAND	211KPLY	920	78-10-18	1600	285	7.5	21.5	15
CARRROLL									
332425090054001	G038 GRAVEL HILL W A	124WLCYM	602	79-09-26	1430	--	7.4	20.0	--
333048089554802	F059 CARRROLLTON	124WLCYM	849	79-06-28	1230	620	8.6	23.0	5
CLAIPORNE									
315146090583801	L061 PATTERSON W A TH#1	122CTHL	404	79-05-24	1530	518	7.2	20.5	5
315146090583802	L062 PATTERSON W A TH#2	122CTHL	300	79-06-29	1230	265	6.2	20.5	3
FORREST									
310429089182201	K015 DOE ME-SWS	122HBRG	185	79-05-31	1630	27	5.8	21.0	0
312451089184701	B115 DOE ME-7WS	122HBRG	376	79-07-12	1200	125	6.4	23.0	5
GEORGE									
304855088445801	J039 PAT HARRISON WTR-WA	122MCCN	250	79-08-23	1200	410	8.4	19.0	10
305003088440301	E055 PAT HARRISON WTR-WA	122MCCN	--	79-06-21	1600	720	8.6	21.0	60
GREENE									
310856088325401	P039 PAT HARRISON WTR-WA	122MCCN	341	79-06-21	1415	205	8.5	21.0	3
HANCOCK									
301600089250001	K080 CLERMONT HARBOR	122PCGL	1248	79-07-17	1200	619	8.6	--	20
301840089195001	K007 BAY ST LOUIS	122MCCN	914	79-07-16	1720	495	8.6	28.0	20
301900089201801	K004 BAY ST LOUIS	122MCCN	1210	79-07-16	1630	690	8.8	33.5	50
301929089212801	K005 BAY ST LOUIS	122PCGL	1197	79-07-16	1610	684	8.7	38.0	30
301945089200801	K006 BAY ST LOUIS	122MCCN	841	79-07-17	0845	615	8.6	24.0	30
HARRISON									
301838089163201	N102 PASS CHRISTIAN	121GRMF	966	79-06-06	1220	570	8.8	28.0	20
302059089090601	O268 LONG BEACH	121GRMF	876	79-06-06	0900	230	8.3	27.0	5
302110089053301	L175 GULFPORT PORT AUTH	122PCGL	1320	79-06-05	1050	788	8.8	--	35
302252089053301	L426 GULFPORT	122PCGL	926	79-05-31	1415	330	8.9	27.5	5
302304089020301	M657 GULFPORT	122PCGL	900	79-05-31	1100	420	8.7	27.0	5
302352089015701	M644 GULFPORT	122PCGL	820	79-05-31	1430	430	8.9	25.0	10
302357089064201	L405 GULFPORT	122PCGL	795	79-05-31	0800	300	8.7	26.0	3
302409089002101	M648 GULFPORT	122PCGL	845	79-06-05	0800	435	8.7	27.5	10
302710088531501	M643 D'IBERVILLE	122PCGL	840	79-06-22	0840	560	8.7	27.5	10
HINDS									
321448090283301	K062 RATLIFF RD W A	124CCKF	1210	79-09-25	0800	673	8.2	32.5	110
HOLMES									
330748090175701	J019 W HOLMES W A	124MUWX	1488	79-08-30	1700	365	8.3	30.5	5

QUALITY OF GROUND WATER

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WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979--Continued

STATION NUMBER	DATE OF SAMPLE	DENSITY (GM/ML AT 20 C)	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)	SODIUM PERCENT	SODIUM ADSORPTION RATIO	POTASSIUM, DIS-SOLVED (MG/L AS K)	PICAR-BONATE (MG/L AS HCO3)
ADAMS											
313538091213201	79-06-06	--	260	24	62	26	8.4	7	.2	1.2	290
BENTON											
345100089104803	78-10-18	--	140	0	47	5.0	9.8	13	.4	2.0	180
CARRILL											
332425090054001	79-09-26	--	--	--	--	--	--	--	--	--	--
333048089554802	79-06-28	--	7	0	2.1	.4	160	98	27	1.5	380
CLAIBORNE											
315146090583801	79-05-24	--	6	0	1.6	.6	130	96	22	4.9	330
315146090583802	79-06-29	--	98	0	23	9.8	13	22	.6	1.6	140
FORREST											
310429089182201	79-05-31	.996	7	1	1.3	.8	2.8	43	.5	1.3	7
312451089184701	79-07-12	.997	31	0	8.2	2.6	10	38	.8	3.6	54
GEORGE											
304855088445801	79-08-23	--	4	0	1.1	.2	90	98	21	.4	220
305003088440301	79-06-21	--	5	0	1.4	.3	200	99	40	.5	410
GREENE											
310856088325401	79-06-21	--	1	0	.2	.2	48	98	18	.7	110
HANCOCK											
301600089250001	79-07-17	--	5	0	1.4	.3	160	98	32	.9	360
301840089195001	79-07-16	--	5	0	1.4	.3	110	98	22	.8	260
301900089201801	79-07-16	--	4	0	1.3	.2	190	99	41	.7	380
301929089212801	79-07-16	--	5	0	1.7	.2	160	98	31	1.0	370
301945089200801	79-07-17	--	7	0	2.2	.3	150	98	25	1.0	310
HARRISON											
301838089163201	79-06-06	--	2	0	.7	.1	150	99	44	.4	300
302059089090601	79-06-06	--	5	0	1.7	.3	56	95	10	.7	140
302110089053301	79-06-05	--	3	0	1.0	.1	220	99	56	.5	500
302252089053301	79-05-31	--	1	0	.2	.0	85	100	52	.2	200
302304089020301	79-05-31	--	6	0	2.1	.1	110	98	20	.3	250
302352089015701	79-05-31	--	5	0	1.7	.1	110	98	22	.4	240
302357089064201	79-05-31	--	1	0	.4	.1	71	99	26	.2	170
302409089002101	79-06-05	--	3	0	.9	.1	120	99	32	.4	240
302710089531501	79-06-22	--	5	0	1.9	.1	130	98	25	1.1	270
HINDS											
321448090283301	79-09-25	--	2	--	.6	.1	180	99	57	1.0	--
HOLMES											
330148090175701	79-08-30	--	2	0	.5	.1	87	99	29	.6	240

QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979--Continued

STATION NUMBER	DATE OF SAMPLE	CAP- BICATE (MG/L AS CU3)	ALKA- LITY (MG/L AS CAC(3)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CU2)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLOU- RIDE, DIS- SOLVED (MG/L AS F)	BROMIDE DIS- SOLVED (MG/L AS BR)	IODIDE, DIS- SOLVED (MG/L AS I)	SILICA, DIS- SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)
ALAMS											
313538091213201	79-06-06	0	240	93	27	14	.2	--	--	30	354
BENTON											
345100089104003	78-10-18	0	150	4.1	8.4	1.2	.1	--	--	17	181
CARROLL											
332425090054001	79-09-26	--	--	--	--	--	--	--	--	--	--
333048089554802	79-06-28	8	330	1.6	.9	17	.2	--	--	14	402
CLAIBORNE											
315146090583801	79-05-24	0	270	33	1.3	11	.5	--	--	45	353
315146090583802	79-06-29	0	110	141	12	5.3	.1	--	--	56	204
FORREST											
310429089182201	79-05-31	0	6	18	.9	4.8	.0	--	.00	18	48
312451089184701	79-07-12	0	44	34	8.8	2.2	.1	.2	.00	22	81
GEORGE											
304855088445801	79-08-23	9	200	1.5	--	--	--	--	--	16	--
305003088440301	79-06-21	25	380	1.9	2.8	42	1.4	--	--	15	501
GREENE											
310856088325401	79-06-21	0	90	.6	5.5	4.2	.1	--	--	13	144
HANCOCK											
301600089250001	79-07-17	4	302	1.5	2.3	27	.5	--	--	19	390
301840089195001	79-07-16	0	210	1.0	4.0	23	.3	--	--	26	311
301900089201801	79-07-16	4	320	1.0	2.7	36	.5	--	--	19	427
301929089212801	79-07-16	4	310	1.2	2.6	36	.5	--	--	18	425
301945089200801	79-07-17	0	250	1.2	1.8	43	.4	--	--	27	385
HARRISON											
301838089163201	79-06-06	10	260	.8	4.1	33	.4	--	--	21	352
302059089090601	79-06-06	0	110	1.1	8.7	3.1	.2	--	--	9.1	186
302110089053301	79-06-05	18	440	1.4	5.1	9.6	.7	--	--	19	500
302252089053301	79-05-31	10	180	.4	11	2.9	.3	--	--	22	229
302304089020301	79-05-31	7	220	.8	9.4	9.7	.3	--	--	23	277
302352089015701	79-05-31	10	210	.5	10	14	.4	--	--	22	283
302357089064201	79-05-31	7	150	.6	11	2.7	.3	--	--	25	204
302409089002101	79-06-05	13	220	.9	11	10	.4	--	--	23	276
302710088531501	79-06-22	5	230	.9	8.4	34	.4	--	--	20	343
HINDS											
321448090283301	79-09-25	--	--	--	--	--	.1	--	--	15	--
HOLMES											
330748090175701	79-08-30	0	200	1.9	5.2	2.1	.1	--	--	14	242

QUALITY OF GROUND WATER

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WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979--Continued

STATION	NUMBER	DATE OF SAMPLE	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)	BORON, DIS- SOLVED (UG/L AS B)	IRON, DIS- SOLVED (UG/L AS FE)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	STRON- TIUM, DIS- SOLVED (UG/L AS SR)
ADAMS											
313538091213201		79-06-06	312	.48	--	--	--	--	0	80	--
BENTON											
345100089104803		78-10-18	179	.25	--	--	--	--	210	10	--
CARROLL											
332425090054001		79-09-26	--	--	--	--	--	--	80	30	--
333048089554802		79-06-28	391	.55	--	--	--	--	10	9	--
CLAIBORNE											
315146090583801		79-05-24	358	.48	--	--	--	--	90	30	--
315146090583802		79-06-29	191	.28	--	--	--	--	560	120	--
FORREST											
310429089182201		79-05-31	33	.07	.00	.00	.00	20	30	10	20
312451089184701		79-07-12	86	.11	.05	.00	.05	10	1200	70	80
GEORGE											
304855088445801		79-08-23	225	.31	--	--	--	--	0	5	--
305063088440301		79-06-21	491	.68	--	--	--	--	10	5	--
GREENE											
310856088325401		79-06-21	126	.20	--	--	--	--	10	0	--
HANCOCK											
301600089250001		79-07-17	393	.53	--	--	--	--	30	10	--
301840089195001		79-07-16	295	.42	--	--	--	--	620	90	--
301900089201801		79-07-16	442	.58	--	--	--	--	20	9	--
301929089212801		79-07-16	407	.56	--	--	--	--	80	20	--
301945089200801		79-07-17	379	.52	--	--	--	--	90	30	--
HARRISON											
301838089163201		79-08-06	367	.48	--	--	--	--	0	10	--
302059089090601		79-08-06	149	.26	--	--	--	--	10	340	--
302110089053301		79-06-05	521	.68	--	--	--	--	10	10	--
302252089053301		79-05-31	230	.31	--	--	--	--	20	1	--
302304089020301		79-05-31	285	.38	--	--	--	--	0	8	--
302352089015701		79-05-31	287	.38	--	--	--	--	200	10	--
302357089064201		79-05-31	202	.28	--	--	--	--	10	2	--
302409089002101		79-08-05	297	.38	--	--	--	--	0	3	--
302710088531501		79-08-22	334	.47	--	--	--	--	0	6	--
HINDS											
321448090283301		79-09-25	--	--	--	--	--	--	170	4	--
HOLMES											
330748090175701		79-08-30	228	.33	--	--	--	--	30	0	--

QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979--Continued

STATION NUMBER	LOCAL IDENTIFICATION	GFO-LOGIC UNIT	DEPTH OF WELL, TOTAL (FEET)	DATE OF SAMPLE	TIME	SPECIFIC CONDUCTANCE (MICRO-MHOS)	PH (UNITS)	TEMPERATURE OF WATER (DEG C)	COLOR (PLATINUM COBALT UNITS)
JACKSON									
30233108P472401	M475 NATIONAL PARK SRV	121GRMF	560	79-06-08	1030	520	8.9	23.5	20
30233608P385201	M052 GULF COAST JR COL	122PCGL	870	79-07-19	0930	1080	8.5	27.5	45
30234508P393301	M2P6 STIGLETT UTIL INC.	122PCGL	--	79-09-07	1200	792	--	--	40
30271808P430201	M2P4 COCA COLA CO	122PCGL	780	79-09-06	1110	400	8.5	23.0	10
30301008P280001	M211 C PINSON	121CRNL	195	79-08-14	0930	230	7.1	23.5	20
30311808P271201	M016 T E BEASLEY	122PCGL	273	79-08-14	1330	1000	8.6	30.5	50
30313808P312701	M230 G Z BULLOCK	121CRNL	70	79-08-13	1245	25	5.7	22.5	5
30315008P315001	M072 J A MAGEE	121CRNL	155	79-08-13	1730	275	7.8	25.0	10
30322708P274201	M231 WALLACE HOPSON	121GRMF	158	79-08-14	1230	67	6.4	26.0	5
30322908P271501	M150 F WALLEY	121CRNL	195	79-08-14	0900	202	7.3	22.5	50
30323308P270201	M232 C J WAY	122PCGL	--	79-08-14	1040	1450	8.7	26.5	50
30323308P270301	M145 C J WAY	121CRNL	155	79-08-14	1125	260	7.7	23.5	20
30324508P305001	M207 A L SAXON	121CRNL	198	79-08-13	1550	700	8.1	23.0	35
30324708P305401	M192 L L SWITZER	121CRNL	192	79-08-13	1620	725	8.3	27.5	40
30330008P292201	M064 J R SMITH	121CRNL	178	79-08-13	1700	245	7.6	26.0	20
JONES									
31314108P075801	L038 J&P UTIL	122CTHL	760	78-12-06	1400	210	8.1	23.0	5
LEE									
34062408P364901	M115 CASON W A	211MCSN	300	79-05-15	1600	280	7.7	22.0	0
LEONDES									
33271808P332601	M033 GOLDEN TRI IND PARK	211CCKR	1289	79-07-05	1200	160	7.3	24.0	10
33271808P333901	M034 GOLDEN TRI IND PARK	211GORD	705	79-06-20	1300	145	7.2	21.5	5
33271808P333902	M035 GOLDEN TRI IND PARK	211GORD	873	79-08-10	1100	130	7.0	21.5	5
MARION									
31255508P430001	M040 DOE MH-6WS	122HBRG	327	79-07-19	1400	--	5.7	22.0	0
PERRY									
30562108P030901	M024 JANICE W. A. WELL 2	122MOCN	952	79-09-06	1600	650	8.6	24.0	10
31051008P000301	L009 DOE MCCG-3WS	122HBRG	346	79-04-10	1100	90	6.5	21.0	5
31051008P000305	L013 DOE MCCG-3D	122HBRG	1250	79-06-13	0845	3020	8.2	27.5	60
31085808P000801	L005 DOE MCCG-1WS	122HBRG	76	79-04-12	1000	50	5.7	21.5	0
31105608P551201	J015 PAT HARRISON WTR-WA	122MOCN	576	79-06-21	1230	480	7.8	21.5	0
31110708P595801	L007 DOE MCCG-2WS	122HBRG	248	79-03-27	1200	175	8.8	21.0	5
31110708P595802	L008 DOE MCCG-2	124SPRT	2677	79-09-27	1700	128000	7.1	30.0	15
31133008P030601	M026 PAT HARRISON WTR-WA	122MOCN	235	79-01-16	1630	340	8.5	19.0	20
31151608P585001	M025 DOE MH-4WS	121CRNL	122	79-06-06	1045	34	5.3	20.5	20
31151608P585002	M026 DOE MH-4A	124WLCX	2525	79-07-25	1200	--	8.0	22.0	5
31192808P595001	E030 DOE MHIH-11WS	122HBRG	160	79-07-31	1200	50	5.6	21.0	3
RANKIN									
32043809P0091201	T048 T R LAIRD	122CTHL	342	79-09-27	1205	--	5.7	--	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979--Continued

STATION	NUMBER	DATE OF SAMPLE	DENSITY (GM/ML AT 20 C)	HARD- NESS, NONCAR- BONATE (MG/L AS CaCO3)	HARD- NESS, NONCAR- BONATE (MG/L AS CaCO3)	CALCIUM DIS- SOLVED (MG/L AS Ca)	MAGNE- SIUM, DIS- SOLVED (MG/L AS Mg)	SODIUM, DIS- SOLVED (MG/L AS Na)	SODIUM PERCENT	SODIUM AN- IONIC RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	BICAR- BONATE (MG/L AS HCO3)
JACKSON												
302331088472401	79-06-08	--		2	0	.6	.1	140	99	44	.3	270
302336088385201	79-07-19	--		5	0	1.7	.2	220	99	43	1.2	300
302345088393301	79-09-07	--		4	--	1.3	.1	180	99	41	.6	--
302718088430201	79-09-06	--		8	--	2.6	.4	90	95	14	1.3	--
303010088280001	79-08-14	--		5	0	.3	1.0	44	95	8.7	.5	113
303118088271201	79-08-14	--		17	0	4.4	1.5	250	97	26	1.3	500
303138088312701	79-08-13	--		6	2	.5	1.2	3.2	51	.6	.3	5
303150088315001	79-08-13	--		6	0	.5	1.1	65	95	12	1.2	150
303227088274201	79-08-14	--		6	0	.6	1.1	12	79	2.1	.8	26
303229088271501	79-08-14	--		6	0	.5	1.1	45	94	8.1	.6	110
303233088270201	79-08-14	--		6	0	1.6	.5	350	99	62	1.5	480
303233088270301	79-08-14	--		4	0	.2	.9	56	96	12	.5	130
303245088305001	79-08-13	--		10	0	2.0	1.3	170	97	23	1.4	420
303247088305401	79-08-13	--		8	0	1.4	1.1	170	98	26	.9	420
303300088292201	79-08-13	--		5	0	.4	1.0	55	95	11	1.3	130
JONES												
313141088075801	79-12-06	--		12	0	3.7	.6	48	88	6.1	1.9	130
LEE												
340624088364901	79-05-15	--		140	0	42	8.0	7.1	10	.3	5.7	170
LUNDENES												
332718088332601	79-07-05	--		51	0	15	3.3	10	27	.6	5.5	74
332718088333901	79-06-20	--		19	0	5.3	1.5	22	65	2.2	5.0	73
332718088333902	79-08-10	--		25	0	7.0	1.9	20	58	1.7	5.3	78
MARTIN												
3125550880430001	79-07-19	.996		7	0	1.6	.7	2.2	34	.4	1.8	5
PEKRY												
3056210889030901	79-09-06	--		3	--	.8	.3	150	98	36	1.4	--
3105100889000301	79-04-10	--		3	0	.3	.3	21	95	6.5	.5	46
3105100889000305	79-06-13	.997		27	0	9.2	1.0	660	98	55	5.6	420
3108580889000801	79-04-12	1.000		9	0	2.1	.8	4.8	49	.7	1.8	11
3110560889551201	79-06-21	--		17	0	4.4	1.4	98	92	10	2.1	130
3111070889595801	79-03-27	.996		24	0	7.1	1.4	32	73	2.9	1.7	100
3111070889595802	79-09-27	1.066		3600	3400	390	600	41000	96	304	100	240
3113300889030601	79-01-16	--		14	0	5.0	.3	65	91	7.6	.6	170
3115160888585001	79-06-06	.996		3	0	.7	.3	3.6	64	.9	1.1	10
3115160888585002	79-07-25	1.000		740	200	140	90	8500	96	158	49	660
3119280889545001	79-07-31	.996		4	0	.9	.4	4.8	66	1.1	1.1	10
RANKIN												
32043808890091201	79-09-27	--		--	--	--	--	--	--	--	--	--

SOLIDS,
RESIDUE
AT 180
DEG. C
DIS-
SOLVED
(MG/L)

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979--Continued												
STATION	NUMBER	DATE OF SAMPLE	CAR- BONATE (MG/L AS CO3)	ALKA- LINIT (MG/L AS CALCO3)	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)	BROMIDE DIS- SOLVED (MG/L AS BR)	IODINE, DIS- SOLVED (MG/L AS I)	SILICA, DIS- SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)
JACKSON												
302331088472401		79-06-08	23	260	.6	8.7	14	.5	--	--	18	312
302336088385201		79-07-19	0	246	1.5	2.2	180	.7	--	--	19	589
302345088393301		79-09-07	--	--	--	1.2	86	.5	--	--	17	453
3027180884030201		79-09-06	--	--	--	8.1	7.1	.5	--	--	17	241
303010088280001		79-08-14	0	93	14	1.3	9.1	.1	--	--	33	156
3031180884271201		79-08-14	11	428	2.1	2.9	110	1.4	--	--	15	661
303138088312701		79-08-13	0	4	16	.4	4.5	.0	--	--	7.6	33
303150088315001		79-08-13	0	120	3.8	4.7	7.5	.5	--	--	35	196
303227088274201		79-08-14	0	21	17	1.1	5.3	.1	--	--	16	55
3032290884271501		79-08-14	0	90	8.8	.8	10	.1	--	--	29	148
303233088270201		79-08-14	4	400	1.6	4.3	230	1.2	--	--	14	882
303233088270301		79-08-14	0	110	4.2	.4	11	.2	--	--	21	159
303245088305001		79-08-13	0	340	5.3	1.7	29	.8	--	--	18	441
303247088305401		79-08-13	0	340	3.4	1.8	33	.8	--	--	18	442
303300088292201		79-08-13	0	110	5.2	5.1	7.2	.4	--	--	40	186
JONES												
313141089075801		78-12-06	0	110	1.7	13	2.2	.2	--	--	45	181
LEE												
340624088364901		79-05-15	0	140	5.4	15	2.8	.1	--	--	18	176
LOWMEDES												
332718088332601		79-07-05	0	61	5.9	5.2	9.9	.1	--	--	11	95
332718088333901		79-06-20	0	60	7.4	4.0	3.2	.1	--	--	12	97
332718088333902		79-08-10	0	64	12	2.4	3.3	.1	--	--	11	85
MARION												
312555089430001		79-07-19	0	7	29	1.3	3.4	.0	.0	.00	19	41
PERRY												
305621089030901		79-09-06	--	--	--	5.2	100	.9	--	--	15	403
310510089000301		79-04-10	0	38	23	1.7	3.0	.0	.0	.00	64	115
310510089000305		79-06-13	0	340	4.2	110	670	3.2	1.7	.03	12	1680
310858089000801		79-04-12	0	9	35	1.3	6.5	.0	.1	.00	22	48
311056088551201		79-06-21	0	110	3.3	14	85	.1	--	--	20	312
311107088595801		79-03-27	0	82	.3	4.0	3.3	.1	.0	.01	35	140
311107088595802		79-09-27	0	200	31	580	64000	.3	99	7.9	8.9	107000
311330089030601		79-01-16	7	150	.9	5.5	3.0	.4	--	--	15	181
311516088585001		79-06-06	0	8	71	1.6	2.9	.0	.0	.00	17	40
311516088585002		79-07-25	0	540	11	40	13000	.2	4.9	.87	1.1	--
311928088595001		79-07-31	0	8	40	1.5	5.0	.0	.0	.00	13	37
RANKIN												
320438090091201		79-09-27	--	--	--	--	--	--	--	--	--	--

QUALITY OF GROUND WATER

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WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979--Continued

STATION	NUMBER	DATE OF SAMPLE	SCLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)	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)	BORON, DIS- SOLVED (UG/L AS B)	IRON, DIS- SOLVED (UG/L AS FE)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	STRON- TIUM, DIS- SOLVED (UG/L AS SR)
JACKSON											
302331088472401		79-06-08	338	.42	--	--	--	--	10	2	--
302336088385201		79-07-19	573	.81	--	--	--	--	40	20	--
302345088393301		79-09-07	--	.62	--	--	--	--	150	0	--
302718088430201		79-09-06	--	.37	--	--	--	--	100	20	--
303010088280001		79-08-14	146	.23	.00	.01	.01	--	1300	10	--
303118088271201		79-08-14	644	.90	.00	.01	.01	--	20	20	--
303138088312701		79-08-13	21	.04	.25	.01	.26	--	20	10	--
303150088315001		79-08-13	190	.27	.04	.01	.05	--	330	20	--
303227088274201		79-08-14	59	.07	.00	.01	.01	--	8800	50	--
303229088271501		79-08-14	144	.08	.00	.01	.00	--	2500	30	--
303233088270201		79-08-14	844	.25	--	--	--	--	20	4	--
303233088270301		79-08-14	155	.22	.00	.01	.00	--	770	10	--
303245088305001		79-08-13	431	.60	.00	.01	.01	--	10	20	--
303247088305401		79-08-13	434	.60	.01	.02	.03	--	0	20	--
303300088292201		79-08-13	176	.25	.01	.01	.02	--	970	20	--
JONES											
313141089075801		78-12-06	179	.25	--	--	--	--	20	10	--
LEE											
340624088364901		79-05-15	183	.24	--	--	--	--	90	110	--
LENNES											
332718088332601		79-07-05	98	.13	--	--	--	--	980	90	--
332718088333901		79-06-20	90	.13	--	--	--	--	500	50	--
332718088333902		79-08-10	91	.12	--	--	--	--	1700	30	--
MAKIN											
312555089430001		79-07-19	34	.06	.06	.06	.06	2	20	4	10
PERRY											
305621089030901		79-09-06	--	.55	--	--	--	--	50	10	--
310510089000301		79-08-10	115	.16	.00	.09	.06	--	130	10	660
310510089000305		79-06-15	1660	2.28	.03	.01	.04	1400	30	10	270
310858089000801		79-04-12	45	.07	.09	.00	.09	6	40	10	20
311056088551201		79-06-21	289	.02	--	--	--	--	40	20	--
311107088545801		79-03-27	134	.19	.00	.00	.00	30	70	70	60
311107088545802		79-09-27	107000	146	--	--	.14	4000	8500	200	130000
311330089030601		79-01-16	186	.25	--	--	.00	--	100	20	--
311516088565001		79-06-06	33	.05	.05	.00	.06	7	60	20	10
311516088565002		79-07-25	22200	5.60	.05	.01	.06	1100	4100	430	18000
311928088545001		79-07-31	32	.05	.12	.00	.12	10	40	9	20
RANKIN											
320438090091201		79-09-27	--	--	--	--	--	--	270	110	--

QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979--Continued

STATION NUMBER	LOCAL IDENT- I- FIER	GEO- LOGIC UNIT	DEPTH OF WELL, TOTAL (FEET)	DATE OF SAMPLE	TIME	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE, WATER (DEG C)	COLOR (PLAT- INUM COALIT UNITS)
RANKIN									
322023090035201	F059 FLOWOOD TEST WELL	124SPRT	1064	79-06-11	1530	380	8.7	30.0	10
322024090040201	F060 FLOWOOD	124SPRT	--	79-09-11	1200	360	8.4	31.5	10
SMITH									
315519089204101	0016 PAUL WINDOM	122CTHL	265	79-06-21	1000	68	5.5	19.0	0
WARREN									
321241090475301	S015 RUNYON CONST CO	124CKRF	--	79-07-24	1500	2240	8.5	30.5	400
322323090420401	L025 HARRY STEVART	123MSPG	300	79-06-27	1415	740	7.7	19.0	3
WASHINGTON									
330413090584201	S096 U S MILCLIFE REFU	124SPRT	849	79-03-20	1600	891	8.6	26.5	50

STATION NUMBER	DATE OF SAMPLE	CAP- BICNATE (MG/L AS CO3)	ALKA- LINITY (MG/L AS CAC03)	CARBON DIOXIDE DTS- SOLVED (MG/L AS CO2)	SULFATE DTS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DTS- SOLVED (MG/L AS CL)	FLUO- RIDE, DTS- SOLVED (MG/L AS F)	BROMIDE DTS- SOLVED (MG/L AS BR)	IODIDE, DTS- SOLVED (MG/L AS I)	SILICA, DTS- SOLVED (MG/L AS SI02)	SOLIDS, RESIDUE AT 180 DEG. C DTS- SOLVED (MG/L)
RANKIN											
322023090035201	79-06-11	5	190	.7	7.9	2.5	.1	--	--	19	258
322024090040201	79-09-11	--	--	--	6.7	2.2	.1	--	--	18	228
SMITH											
315519089204101	79-06-21	0	16	101	5.6	2.4	.1	--	--	36	82
WARREN											
321241090475301	79-07-24	0	1030	6.4	14	140	8.4	--	--	13	1440
322323090420401	79-06-27	0	410	16	8.8	6.8	.1	--	--	23	509
WASHINGTON											
330413090584201	79-03-20	12	480	2.3	2.8	24	.6	--	--	13	547

QUALITY OF GROUND WATER

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WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979--Continued

STATION NUMBER	DATE OF SAMPLE	DENSITY (GM/ML AT 20 C)	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)	SODIUM PERCENT	SODIUM ADSORPTION RATIO	POTASSIUM, DIS-SOLVED (MG/L AS K)	BICARBONATE (MG/L AS HCO3)
RANKIN											
322023090035201	79-06-11	--	4	0	1.0	.3	94	98	21	.6	220
322024090040201	79-09-11	--	4	--	1.4	.1	76	97	17	.6	--
SMITH											
315519089204101	79-06-21	--	21	5	6.4	1.2	3.4	25	.3	1.4	20
WARREN											
321241090475301	79-07-24	--	6	0	1.4	.7	550	99	95	3.0	1260
322323090420401	79-06-27	--	95	0	27	6.7	150	76	6.7	4.5	500
WASHINGTON											
330413090584201	79-03-20	--	2	0	.5	.2	230	99	70	.9	560

STATION NUMBER	DATE OF SAMPLE	SOLIDS, SUM OF CONSTITUENTS, DIS-SOLVED (MG/L)	SOLIDS, DIS-SOLVED (IONS PER AC-FT)	NITROGEN, NITRATE DIS-SOLVED (MG/L AS N)	NITROGEN, NITRATE DIS-SOLVED (MG/L AS N)	NITROGEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	IRON, DIS-SOLVED (UG/L AS Fe)	IRON, DIS-SOLVED (UG/L AS Fe)	MANGANESE, DIS-SOLVED (UG/L AS Mn)	STRONTIUM, DIS-SOLVED (UG/L AS Sr)
RANKIN										
322023090035201	79-06-11	239	.35	--	--	--	--	110	10	--
322024090040201	79-09-11	--	.31	--	--	--	--	40	0	--
SMITH										
315519089204101	79-06-21	66	.11	--	--	--	--	10	10	--
WARREN										
321241090475301	79-07-24	1350	1.96	--	--	--	--	720	0	--
322323090420401	79-06-27	474	.69	--	--	--	--	90	130	--
WASHINGTON										
330413090584201	79-03-20	560	.74	--	--	--	--	60	4	--

QUALITY OF GROUND WATER

FIELD DETERMINATIONS AND CHLORIDE CONCENTRATIONS IN HARRISON AND JACKSON COUNTIES, MISSISSIPPI

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

Field determinations and chloride concentrations in Harrison and Jackson Counties, Mississippi, are given in the following table. Analyses of samples collected at additional wells in Harrison and Jackson Counties are found in the general table "Quality of Ground Water."

STATION NUMBER	LOCAL IDENT- I- FIFR	GFC- LOGIC UNIT	DEPTH OF WELL, TOTAL (FEET)	DATE OF SAMPLE	TIME	SFF- CIFIC CON- DUCT- ANCE (MICRO- MHS)	PH (UNITS)	TEMPER- ATURE, WATER (DEG C)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)
HANCOCK									
301343089340201	L001 HANCOCK COUNTY	122MCCN	2003	79-07-17	1500	595	--	30.0	48
301537089250401	K003 CLEMONT HARBOR	122MCCN	1041	79-07-17	1230	631	--	30.0	39
301551089281201	M349 WAVELAND	121GRMF	730	79-06-18	1630	340	8.6	--	8.8
301555089252001	K078 DR TUDERY	121GRMF	622	79-07-17	1110	420	--	25.0	5.6
301600089250101	K072 CLEMONT HARBOR	121GRMF	877	79-07-19	1250	455	--	--	18
301650089222501	K002 WAVELAND TIDE	121GRMF	1000	79-06-18	1700	440	8.6	--	14
301703089224001	K017 WAVELAND	121GRMF	980	79-06-18	1555	440	8.5	--	17
301749089265801	J049 A J MORCAN	121GRMF	839	79-07-17	1350	420	--	32.0	26
301824089212602	K055 S J PERACIARO	121GRMF	657	79-07-17	1600	291	--	26.0	5.5
HARRISON									
301218089570001	M202 U S COAST GUARD	121GRMF	730	79-06-19	1030	411	--	--	4.8
301242089580701	M622 US GOVT SHIP IS	121GRMF	436	79-06-19	1205	475	--	--	22
301242089581601	M204 US GOVT	121GRMF	750	79-06-19	1200	476	--	--	23
301345089534501	M001 MISS PARK COMM	121GRMF	727	79-06-19	1000	405	--	--	5.4
301830089162502	M002 PASS CHRISTIAN	121GRMF	1002	79-06-06	1330	750	9.0	24.0	38
301856089145301	M003 PASS CHRISTIAN	122MCCN	1111	79-06-06	1355	600	8.8	26.5	41
301900089150001	M191 PASS CHRISTIAN	122PCGL	880	79-06-06	1410	725	8.8	34.0	42
301936089142403	O006 PASS CHRISTIAN	121GRMF	891	79-06-06	1430	445	8.6	--	17
302045089103001	O001 LONG BEACH	122MCCN	926	79-06-06	1030	210	7.8	26.0	5.9
302100089130001	O174 LONG BEACH	122PCGL	962	79-06-06	0830	255	8.3	--	4.0
302206089054301	L169 GULFPORT PORT AUTH	121GRMF	890	79-06-05	1030	285	8.7	--	4.5
302206089074505	L017 GULFPORT	122MCCN	848	79-06-05	0600	250	7.8	--	4.1
302220089055401	L002 GULFPORT	122PCGL	815	79-06-05	0845	295	8.9	26.5	4.3
302230089034202	L015 GULFPORT	121GRMF	752	79-05-31	1005	260	--	26.5	3.8
302250089071801	L161 U S NAVY	122MCCN	850	79-06-05	1340	300	8.8	--	3.8
302251089072001	L162 U S NAVY	121GRMF	757	79-06-05	1500	245	7.8	--	3.6
302252089062001	L160 U S NAVY	122MCCN	1196	79-06-05	1430	590	8.9	--	5.0
302330089053001	L014 GULFPORT	121GRMF	763	79-05-31	1320	250	--	--	2.6
302336089045404	L016 GULFPORT	122PCGL	815	79-05-31	0930	265	--	26.0	3.2
302342089563003	M004 BILOXI	122PCGL	1200	79-06-07	0840	560	8.8	--	50
302346089001501	M397 GULFPORT	122PCGL	830	79-06-01	1010	400	--	24.0	8.7
302350089570501	M351 BILOXI	122PCGL	846	79-06-07	1100	400	8.9	--	8.0
302400089022403	L141 VA HOSPITAL	122PCGL	1098	79-06-04	1140	395	8.4	--	13
302404089590301	M576 BILOXI	122MCCN	848	79-06-07	1300	440	8.9	28.0	11
302410089533601	M115 BILOXI	122MCCN	1226	79-06-07	1030	975	8.6	30.0	160
302410089533607	M006 BILOXI HOSPITAL	121GRMF	463	79-06-07	0930	305	8.4	--	4.3
302427089540001	M067 U S AIR FORCE	121GRMF	634	79-07-18	1100	320	--	27.5	6.3
302430089000001	M002 BILOXI	122PCGL	1207	79-06-07	0800	2000	8.3	--	530
302440089033001	L084 GULFPORT	121GRMF	645	79-05-31	1400	220	--	--	3.3
302454089580001	M040 BILOXI	121GRMF	654	79-06-07	1230	240	8.0	--	3.2

QUALITY OF GROUND WATER

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FIELD DETERMINATIONS AND CHLORIDE CONCENTRATIONS IN HARRISON AND JACKSON COUNTIES, MISSISSIPPI--Continued

STATION NUMBER	LOCAL IDENTIFIER	GFC-LOGIC UNIT	DEPTH OF WELL, TOTAL (FEET)	DATE OF SAMPLE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE, WATER (DEG C)	CHLORIDE, DISSOLVED (MG/L AS CL)
HARRISON									
302455088584001	M033 BILOXI	121GRMF	700	79-06-07	1245	330	8.5	--	4.7
302456088541304	M550 BILOXI	122MOCN	634	79-06-07	1000	280	7.8	--	3.5
302642088554301	M045 BAKERS ACRE	122PCGL	828	79-06-22	1000	1050	8.7	--	180
302700089075401	L005 LONG BEACH	121GRMF	880	79-06-06	0930	195	8.0	26.5	3.7
JACKSON									
301405088411201	O049 NATIONAL PARK HORN	122PCGL	836	79-06-19	0900	720	--	--	87
301952088294201	G421 CON-CHEM CORP	121GRMF	366	79-06-21	1005	1050	8.4	--	170
301955088301101	O100 CON-CHEM INC	122MOCN	374	79-06-21	0930	1050	8.3	25.5	180
302057088333901	P348 INGALLS CORP	122PCGL	800	79-07-19	1330	1350	8.1	28.0	260
302100088295501	G111 COASTAL CHEM CO	121GRMF	351	79-06-21	0845	1000	8.0	24.5	140
302100088341501	P291 INGALLS CORP	121GRMF	280	79-07-19	1215	750	7.4	24.5	100
302101088341501	P349 INGALLS CORP	122PCGL	782	79-07-19	1200	1600	8.4	26.0	350
302104088292701	G137 STANDARD OIL CO	121GRMF	387	79-06-21	1130	1100	8.0	24.5	170
302105088342001	P373 INGALLS CORP	121GRMF	320	79-07-19	1130	699	8.1	25.0	80
302115088330404	P150 PASCAGULLA	122PCGL	785	79-06-20	0900	1400	8.4	27.0	290
302120088330001	P145 INGALLS CORP	122PCGL	805	79-07-19	1245	2000	7.7	28.0	540
302122088312401	O164 PASCAGULLA	122PCGL	682	79-06-20	0940	1650	8.3	27.0	390
302130088312901	O180 PASCAGULLA	122PCGL	663	79-06-20	1030	1350	8.5	27.0	260
302134088330803	P124 PASCAGULLA	122PCGL	801	79-06-20	0930	1550	8.4	27.0	340
302157088334901	P115 QUAKER CATS CO	121GRMF	316	79-07-20	0800	656	--	--	70
302209088462101	K080 J R LEAVEILL	121GRMF	1025	79-07-18	1530	1400	8.4	27.0	280
302237088304501	P372 PASCAGULLA	121GRMF	336	79-06-20	0830	960	7.8	25.5	190
302241088321701	P069 PASCAGULLA	122MOCN	302	79-06-20	1240	950	7.9	23.5	150
302244088325801	P068 PASCAGULLA	121GRMF	292	79-06-20	1310	950	7.8	23.5	140
302247088302901	P020 PASCAGULLA	121GRMF	346	79-06-20	1130	1000	7.8	24.0	140
302300088312001	P293 PASCAGULLA	121GRMF	326	79-06-20	1220	1000	7.9	23.5	260
302400088283001	O048 HUGH I STORK	121GRMF	264	79-06-21	1240	963	--	--	140
3024090884494501	M159 OCEAN SPRINGS	122PCGL	881	79-06-19	0930	740	8.8	29.0	93
302435088481701	M069 OCEAN SPRINGS	122PCGL	540	79-06-19	1020	340	8.8	26.0	4.7
302437088493601	M052 OCEAN SPRINGS	121GRMF	555	79-06-19	0950	600	8.9	--	54
302439088474101	M074 OCEAN SPRINGS	121GRMF	525	79-06-19	1050	317	8.3	26.0	3.9
302440088471301	M090 OCEAN SPRINGS	121GRMF	565	79-06-19	1125	323	8.3	--	4.1
302448088429201	G422 INTER PAPER CO	121GRMF	255	79-06-21	1430	1100	8.3	24.0	140
302452088283201	G031 S H SEAMAN	121GRMF	231	79-06-21	1410	1000	8.2	26.0	120
302453088472902	M093 OCEAN SPRINGS	121GRMF	496	79-06-19	1200	315	8.3	--	3.4
302454088493402	M049 LRA HAILKAD	122PCGL	1290	79-06-08	1130	2400	8.4	31.0	650
302505088482401	M042 TREAS DAM CTY	122PCGL	1224	79-06-19	1625	1650	8.4	29.0	370
302523088271901	O036 MISS SI SCALES	121GRMF	221	79-06-21	1335	1250	8.6	24.0	160
302535088303503	G027 SMITH FISHERS	122PCGL	240	79-06-21	1625	580	7.6	22.5	49
302535088305605	G018 THOMAS CHEM	122PCGL	250	79-06-21	1540	650	7.6	23.0	63

QUALITY OF GROUND WATER

ANALYSES OF SAMPLES COLLECTED IN THE TENNESSEE-TOMBIGBEE STUDY AREA, MISSISSIPPI

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

Analyses of samples collected in the Tennessee-Tombigbee Study Area, Mississippi, are given in the following table. Field determinations were measured at additional wells in the study area and are listed in the table "Field Determinations in the Tennessee-Tombigbee Study Area, Mississippi," which follows. Also, a few miscellaneous analyses collected in the study area for the statewide program are found in the general table "Quality of Ground Water."

STATION NUMBER	LOCAL IDENTIFIER	GEOLOGIC UNIT	DEPTH OF WELL, TOTAL (FEET)	DATE OF SAMPLE	TIME	SPECIFIC CONDUCTANCE (MICROHOS)	PH (UNITS)	TEMPERATURE, WATER (DEG F)	COLOR (PLATINUM COBALT UNITS)		
ITAWAMBA											
34054408255201	4028 USCE #1A	211GCRD	180	79-05-18	1150	132	6.4	23.0	5		
MONROE											
33491008311501	L073 USCE TIM4A	211EUTX	177	79-05-21	1500	168	6.7	18.5	50		
33491008311502	L074 USCE TIM4B	110ALVM	26	79-05-22	0745	85	5.4	17.0	10		
33511708332801	L063 USCE 101A	211EUTX	90	79-05-22	0845	195	7.4	17.5	5		
33511708332802	L069 USCE 101B	110TRLS	20	79-05-22	0910	130	6.7	22.0	10		
33512208293001	L062 USCE 105A	211EUTX	64	79-05-22	1100	70	5.7	18.0	25		
33512208305201	L065 USCE 104A	211EUTX	55	79-05-22	1315	95	6.6	18.5	40		
33512208305202	L067 USCE 104B	111ALVM	24	79-05-22	1345	26	5.2	16.0	5		
34005408281801	C059 USCE 95A	211GCRD	166	79-05-23	1010	97	6.1	18.0	5		
34040908243802	N058 USCE #9B	211MCSA	45	79-05-23	0945	95	6.1	18.0	5		
34042608245101	C056 USCE #7A	110ALVM	13	79-05-18	1010	62	5.8	15.5	10		
34050408241102	C052 USCE #4E	211GCRD	110	79-05-23	1040	56	5.7	16.5	5		
TISHOMINGO											
344017088180403	J019 USCE 31B	211EUTX	74	79-05-16	1340	55	5.7	16.0	5		
344608088461201	G083 USCE NE1A-1	211GCRD	190	79-05-15	1320	90	6.0	16.0	5		
STATION NUMBER	DATE OF SAMPLE	ALKALINITY (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, DTS-SOLVED (TONS PER AC-FT)	NITROGEN, NITRATE DIS-SOLVED (MG/L AS N)
ITAWAMBA											
34054408255201	79-05-18	34	26	.2	2.6	.1	7.6	73	73	.07	.02
MONROE											
33491008311501	79-05-21	82	32	2.2	4.3	.1	30	137	128	.19	.07
33491008311502	79-05-22	21	166	2.4	3.9	.1	27	88	79	.12	3.0
33511708332801	79-05-22	78	6.1	2.8	3.6	.1	32	129	121	.18	.02
33511708332802	79-05-22	30	11	16	11	.0	19	93	96	.13	.19
33512208293001	79-05-22	5	19	8.6	6.8	.1	22	58	61	.08	.54
33512208305201	79-05-22	24	12	2.3	1.8	.1	5.8	58	45	.08	.01
33512208305202	79-05-22	4	50	1.4	2.9	.0	16	33	30	.04	.10
34005408281801	79-05-23	36	56	3.6	1.9	.1	13	66	72	.09	.07
34040908243802	79-05-23	34	53	3.2	2.5	.2	18	69	72	.09	.00
34042608245101	79-05-18	8	25	1.9	6.9	.0	9.2	46	39	.06	.15
34050408241102	79-05-23	21	83	2.8	1.7	.0	10	46	54	.06	.01
TISHOMINGO											
344017088180403	79-05-16	13	51	5.8	1.0	.0	28	50	54	.08	.01
344608088461201	79-05-15	20	38	5.9	1.3	.1	20	69	70	.08	.02

ANALYSES OF SAMPLES COLLECTED IN THE TENNESSEE-TOMBIGBEE STUDY AREA, MISSISSIPPI--Continued

STATION	NUMBER	DATE OF SAMPLE	HARD- NESS (MG/L AS CaCO3)	HARD- NESS, NONCAR- BONATE (MG/L AS CaCO3)	CALCIUM DIS- SOLVED (MG/L AS Ca)	MAGNE- SIUM, DIS- SOLVED (MG/L AS Mg)	SODIUM, DIS- SOLVED (MG/L AS Na)	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	BICAR- BONATE (MG/L AS HCO3)	CAR- BONATE (MG/L AS CO3)	
ITAWAMBA												
340544088255201	79-05-18		29	0	8.5	1.8	3.2	17	.3	4.0	41	0
MCNROE												
334910088311501	79-05-21		72	0	22	4.1	11	24	.6	4.4	100	0
334910088311502	79-05-22		24	2	7.0	1.5	7.5	39	.7	1.2	26	0
335117088332801	79-05-22		71	0	21	4.5	6.6	16	.3	3.4	95	0
335117088332802	79-05-22		45	15	14	2.4	12	35	.8	2.1	36	0
335122088293001	79-05-22		18	13	4.4	1.6	7.7	47	.8	1.3	6	0
335122088305201	79-05-22		32	8	11	1.0	3.9	20	.3	1.7	29	0
335122088305202	79-05-22		5	1	1.6	.3	2.6	50	.5	.4	5	0
340054088281801	79-05-23		35	0	9.7	2.5	3.2	15	.2	3.6	44	0
340409088243802	79-05-23		35	1	8.4	3.4	4.0	18	.3	2.7	42	0
340426088245101	79-05-18		15	7	4.1	1.1	3.9	34	.4	1.3	10	0
340504088241102	79-05-23		17	0	4.2	1.6	2.6	22	.3	2.1	26	0
TISHOMINGO												
344017088180403	79-05-16		15	1	3.7	1.3	2.6	25	.3	1.6	16	0
344608088461201	79-05-15		21	2	6.2	1.4	4.6	30	.4	2.0	24	0

STATION NUMBER	DATE OF SAMPLE	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N(3))	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N(2))	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N)	IRON, DIS- SOLVED (MG/L AS Fe)	MANGA- NESE, DIS- SOLVED (MG/L AS Mn)
ITAWAMBA							
340544088255201	79-05-18	.09	.01	.03	.03	24000	460
MCNROE							
334910088311501	79-05-21	.31	.01	.03	.08	190	200
334910088311502	79-05-22	.13	.01	.03	3.0	2200	270
335117088332801	79-05-22	.09	.00	.00	.02	190	140
335117088332802	79-05-22	.84	.01	.03	.20	280	160
335122088293001	79-05-22	2.4	.01	.03	.55	2900	290
335122088305201	79-05-22	.04	.01	.03	.02	2100	430
335122088305202	79-05-22	.44	.01	.03	.11	1300	120
340054088281801	79-05-23	.31	.01	.03	.08	12000	230
340409088243802	79-05-23	.00	.01	.03	.01	7700	1200
340426088245101	79-05-18	.66	.01	.03	.16	4400	140
340504088241102	79-05-23	.04	.01	.03	.02	16000	320
TISHOMINGO							
344017088180403	79-05-16	.04	.01	.03	.02	2400	60
344608088461201	79-05-15	.09	.01	.03	.03	16000	690

QUALITY OF GROUND WATER

FIELD DETERMINATIONS IN THE TENNESSEE-TOMBIGBEE STUDY AREA, MISSISSIPPI

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

Field determinations measured in the Tennessee-Tombigbee Study Area, Mississippi, are given in the following table. Analyses of samples collected at additional wells in the study area are found in the preceding table "Analyses of Samples Collected in the Tennessee-Tombigbee Study Area, Mississippi." Also, a few miscellaneous analyses collected in the study area for the statewide program are found in the general table "Quality of Ground Water."

STATION	NUMBER	LOCAL IDENT- I- FIR	GEO- LOGIC UNIT	DEPTH OF WELL, TOTAL (FEET)	DATE OF SAMPLE	TIME	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE, WATER (DEG C)
ITAWAMPHA									
34123508232101	L013 USCE 73A	211GURD	138	78-10-24	1545	70	6.3	16.5	
			138	79-01-31	1310	90	6.2	16.0	
			138	79-05-18	0815	80	6.4	16.5	
342241088235701	D027 USCE 63A	337FRPN	260	78-10-26	1245	180	6.0	16.5	
			260	79-01-31	1600	190	6.2	16.0	
			260	79-05-17	0915	150	6.1	15.5	
			260	79-08-09	1515	200	6.0	16.0	
342241088235702	D023 USCE 63B	211GURD	150	78-10-26	1240	70	6.4	16.5	
			150	79-01-31	1555	85	6.1	15.5	
			150	79-05-17	0920	90	6.3	16.0	
			150	79-08-08	1000	105	5.8	15.5	
342245088232501	E006 USCE 64A	211GURD	106	78-10-26	1240	59	6.0	19.0	
			106	79-01-31	1545	100	6.1	16.5	
			106	79-05-17	1010	115	6.2	16.0	
			106	79-08-08	1445	93	5.7	16.0	
MCNROE									
340504088241101	C051 USCE 84A	211GURD	170	78-10-24	1400	60	5.9	16.5	
340504088241102	L052 USCE 84B	211GURD	110	78-10-24	1410	70	5.9	16.5	
			110	79-05-23	1040	56	5.7	16.5	

AQUIFER NAMES OF GEOLOGIC UNIT CODES

AQUIFER NAMES CORRESPONDING TO GEOLOGIC UNITS LISTED IN THE QUALITY OF GROUND-WATER TABLES ARE GIVEN BELOW.

110	ALVM	ALLUVIUM, QUATERNARY	124	MUWX	MERIDIAN-UPPER WILCOX AQUIFER, EOCENE
110	TRCS	UNDIFFERENTIATED TERRACE DEPOSITS, QUATERNARY	124	SPRT	SPARTA SAND, EOCENE
			124	WLCX	WILCOX GROUP, EOCENE
111	ALVM	HOLOCENE ALLUVIUM, HOLOCENE	124	WLCXM	MIDDLE WILCOX AQUIFER, EOCENE
121	CRNL	CITRONELLE FORMATION, PLIOCENE	211	COKR	COKER FORMATION, UPPER CRETACEOUS
121	GRMF	GRAHAM FERRY FORMATION, PLIOCENE	211	EUTW	EUTAW FORMATION, UPPER CRETACEOUS
122	CTHL	LOWER CATAHOULA FORMATION, MIOCENE	211	EUTWR	EUTAW FORMATION (RESTRICTED), UPPER CRETACEOUS
122	HBRG	HATTIESBURG FORMATION, MIOCENE			
122	MOCN	MIOCENE SERIES, MIOCENE	211	GORD	GORDO FORMATION, UPPER CRETACEOUS
122	PCGL	PASCAGOULA FORMATION, MIOCENE	211	MCSN	MCSHAN FORMATION, UPPER CRETACEOUS
123	MSPG	MINT SPRINGS MARL, OLIGOCENE	211	RPLY	RIPLEY FORMATION, UPPER CRETACEOUS
124	CCKF	COCKFIELD FORMATION, EOCENE	337	FRPN	FORT PAYNE CHERT, LOWER MISSISSIPPIAN

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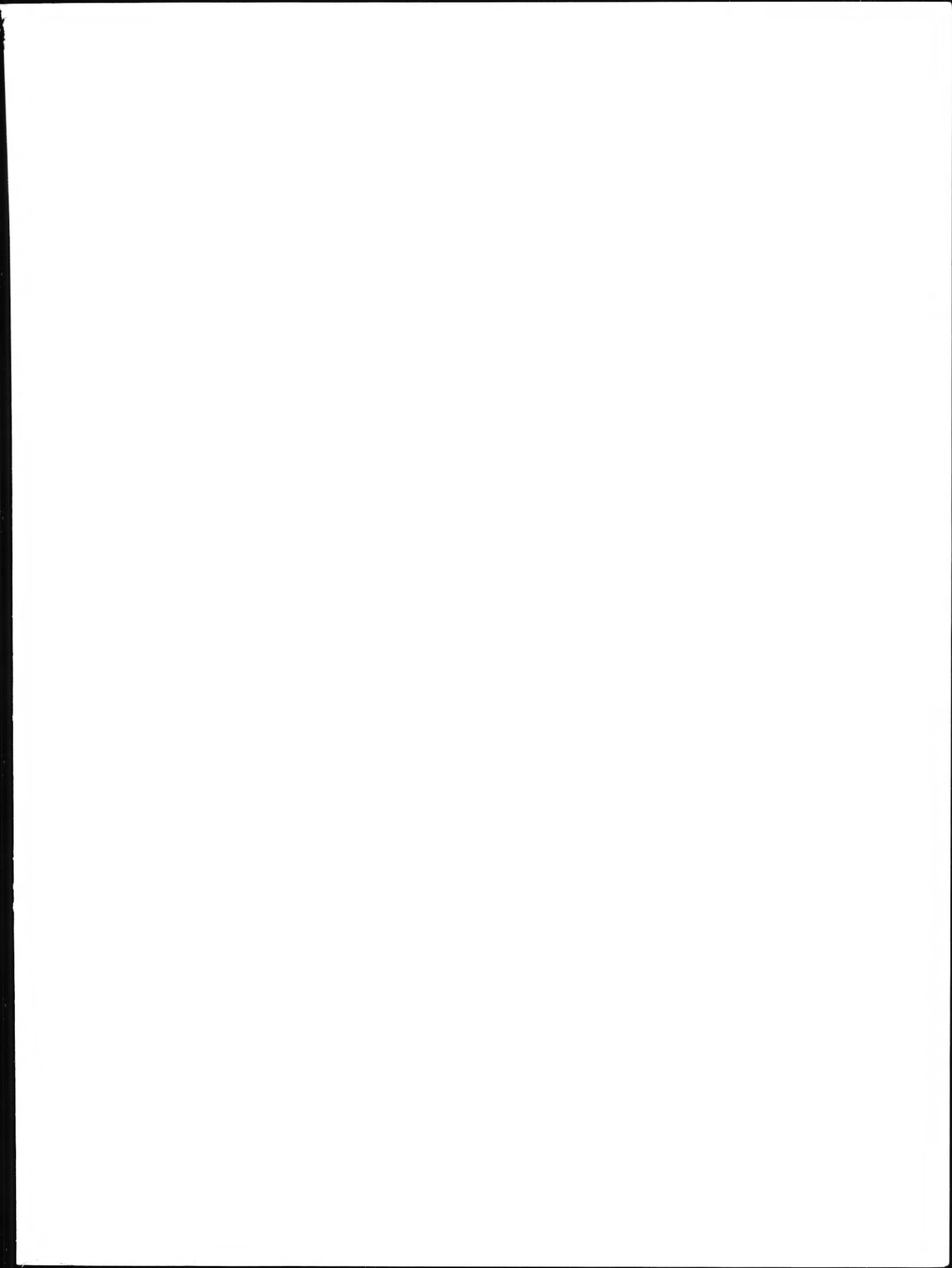
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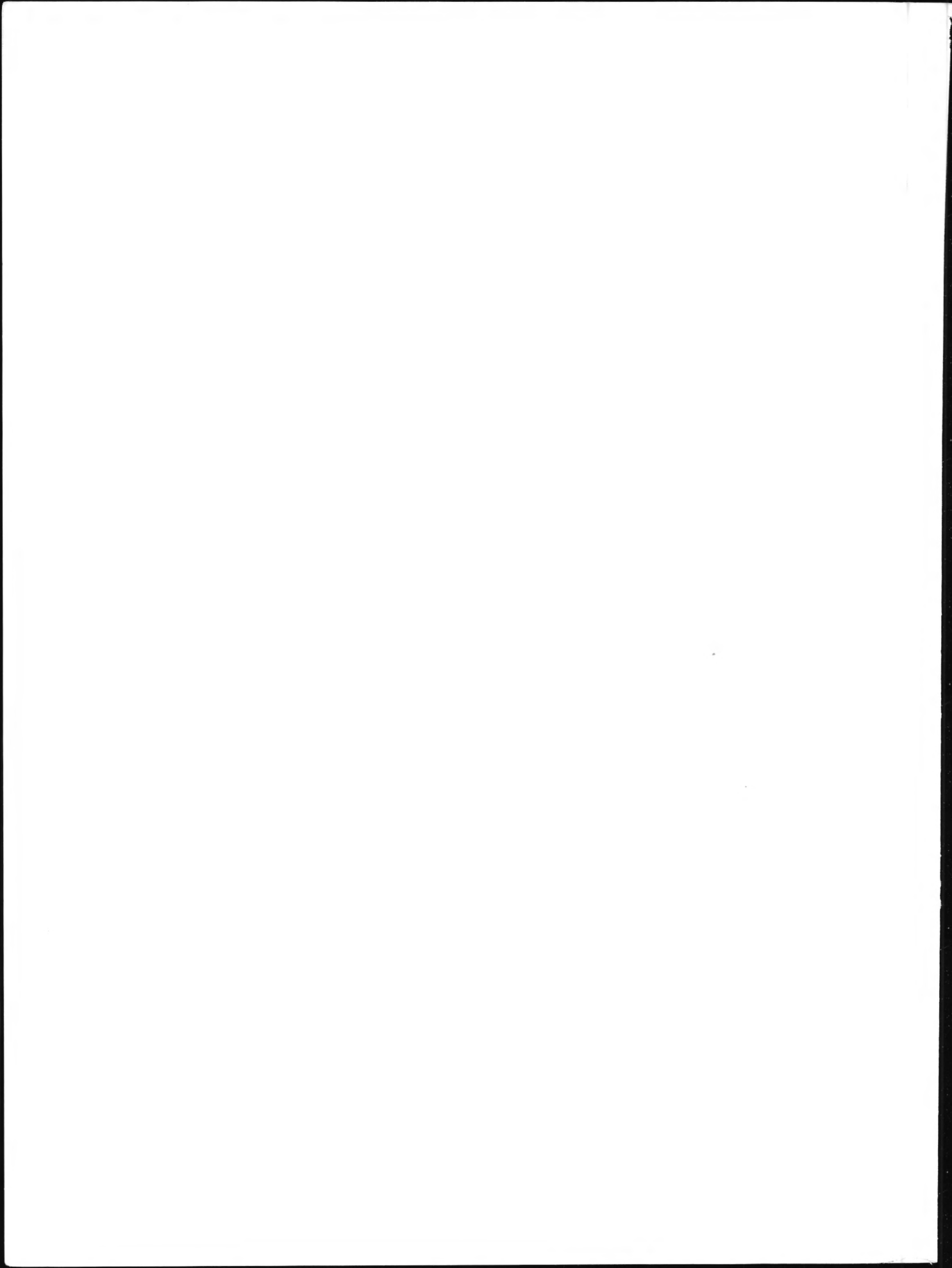
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FACTORS FOR CONVERTING INCH-POUND UNITS TO INTERNATIONAL SYSTEM UNITS (SI)

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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