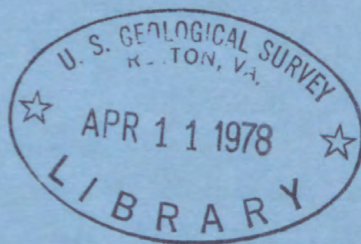


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1976

Water Resources Data for Mississippi Water Year 1976



U.S. GEOLOGICAL SURVEY WATER-DATA REPORT MS-76-1

Prepared in cooperation with the Mississippi Board of Water
Commissioners and with other State, county, municipal, and
Federal agencies

CALENDAR FOR WATER YEAR 1976

1 9 7 5

OCTOBER

S	M	T	W	T	F	S
			1	2	3	4
5	6	7	8	9	10	11
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NOVEMBER

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1 9 7 6

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APRIL

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MAY

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30	31					

JUNE

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27	28	29	30			

JULY

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18	19	20	21	22	23	24
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AUGUST

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29	30	31				

SEPTEMBER

S	M	T	W	T	F	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
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26	27	28	29	30		

Water Resources Data for MISSISSIPPI Water Year 1976



U.S. GEOLOGICAL SURVEY WATER-DATA REPORT MS-76-1

**Prepared in cooperation with the Mississippi Board of Water
Commissioners and with other State, county, municipal, and
Federal agencies**

UNITED STATES DEPARTMENT OF THE INTERIOR

CECIL D. ANDRUS, Secretary

GEOLOGICAL SURVEY

V. E. McKelvey, Director

For information on the water program in Mississippi write to
District Chief, Water Resources Division
U.S. Geological Survey
430 Bounds Street
Jackson, Mississippi 39206

1977

PREFACE

This report was prepared by personnel of the Mississippi district of the Water Resources Division of the U.S. Geological Survey under the supervision of L. E. Carroon, District Chief, and L. B. Laird, Regional Hydrologist, Southeastern Region. It was done in cooperation with the State of Mississippi and with other agencies.

This report is one of a series issued by State. General direction for the series is by J. S. Cragwall, Jr., Chief Hydrologist, U. S. Geological Survey, and G. W. Whetstone, 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]

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INTRODUCTION

Water resources data for the 1976 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 79 gaging stations; stage records for 15 of these gaging stations; stage only records for 4 gaging stations; contents for 4 lakes and reservoirs; water quality for 20 gaging stations and 1 miscellaneous site; and water levels for 168 observation wells. Also included are data for 138 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 water-supply papers entitled, "Quality of Surface Waters of the United States." Records of ground-water levels were published from 1935 to 1974 in a series of water-supply papers entitled, "Ground-Water Levels in the United States."

For water years 1961 through 1974, streamflow data were released by the Geological Survey in annual reports on a State-boundary basis. Water-quality records for water years 1964 through 1974 were similarly released either in separate reports or in conjunction with streamflow records. Beginning with the 1975 water year, water data for streamflow, water quality, and ground water are published 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-76-1." 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 Board of Water Commissioners,
Jack W. Pepper, Water Engineer.

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

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

Mississippi Air and Water Pollution Control Commission,
Glen Wood, Jr., Executive Director.

Pat Harrison Waterway District,
Pat W. Sellers, Executive Director.

Pearl River Valley Water Supply District,
R. B. Lampton, President.

Harrison County Development Commission,
Tommy Munroe, President.

Jackson County Port Authority,
Jacob L. Lockard, Chairman

City of Jackson, Russell C. Davis, 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.

The Vicksburg Bridge Commission of Warren County aided in collecting records.

Organizations that supplied data are acknowledged in station descriptions.

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, J. K. Arthur, B. E. Wasson, J. D. Shell, and J. W. Hudson.

HYDROLOGIC CONDITIONS

As the 1976 water year began, streamflow was greatly above normal. A record daily and monthly discharge for October occurred at Bovina. Monthly discharges were above normal most months and the yearly flows were slightly above normal, as indicated in figure 4. Flows were very close to normal at the end of the year.

Water levels in shallow (less than 200 ft) wells were near or slightly above normal during the 1976 water year. Potentiometric levels in the deeper artesian aquifers continued to fall at a rate of near a foot per year except near some centers of heavy pumpage where the decline was several feet.

DEFINITION OF TERMS

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

Acre-foot (AC-FT, acre-ft) is the quantity of water required to cover 1 acre to a depth of 1 foot and is equivalent to 43,560 cubic feet, 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 microorganisms, 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 refers to the amount of a substance present in true chemical solution. In practice, however, the term includes all forms of the substance that will pass through a 0.45-micrometer membrane filter, and thus may include some very small (colloidal) suspended particles. Analyses are performed on filtered samples.

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 (CaCO₃).

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

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 (ug/g) is a unit expressing the concentration of a chemical element as the mass (micrograms) of the element sorbed per unit mass (gram) of sediment.

Micrograms per liter (UG/L, ug/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.

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.

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 planimetered. All areas shown are those for the stage when the planimetered map was made.

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

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

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 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.

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

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.

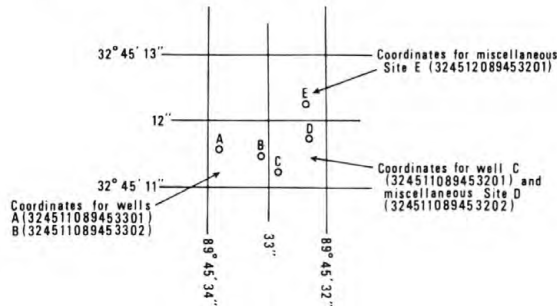


Figure 1.--System for numbering wells and miscellaneous sites (latitude and longitude)

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 above mean sea level, and a condensed history of the types, locations, and datums of previous gages used during the period of record are given under "GAGE." In references to datum of gage, the phrase "mean sea level" denotes "Sea Level Datum of 1929" as used by the Topographic Division of the Geological Survey unless otherwise qualified.

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, or 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 cfs; to tenths between 1.0 and 10 cfs; to whole numbers between 10 and 1,000 cfs; to 3 significant figures between 1,000 and 1,000,000 cfs; and to 4 significant figures above 1,000,000 cfs. The number of significant figures used is based solely on the magnitude of the figure. The same rounding rules apply to discharge figures listed for partial-record stations 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.

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 (1sd). 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-two 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 p. \$1.60.
- 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. \$1.90.
- 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. \$1.75.
- 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. \$0.25.
- 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. \$0.20.
- 3-A3. *Measurement of peak discharge at culverts by indirect methods*, by G. L. Bodhaine: USGS--TWRI Book 3, Chapter A3. 1968. 60 pages. \$0.40.
- 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. \$1.00.
- 3-A5. *Measurement of peak discharge at dams by indirect methods*, by Harry Hulsing: USGS--TWRI Book 3, Chapter A5. 1967. 29 pages. \$0.30.
- 3-A6. *General procedure for gaging streams*, by R. W. Carter and Jacob Davidian: USGS--TWRI Book 3, Chapter A6. 1968. 13 pages. \$0.20.
- 3-A7. *Stage measurements at gaging stations*, by T. J. Buchanan and W. P. Somers: USGS--TWRI Book 3, Chapter A7. 1968. 28 pages. \$0.45.
- 3-A8. *Discharge measurements at gaging stations*, by T. J. Buchanan and W. P. Somers: USGS--TWRI Book 3, Chapter A8. 1969. 65 pages. \$1.25.
- 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. \$0.40.
- 3-A12. *Fluorometric procedures for dye tracing*, by J. F. Wilson Jr.: USGS--TWRI Book 3, Chapter A12. 1968. 31 pages. \$0.35. Not currently available.
- 3-B1. *Aquifer-test design, observation, and data analysis*, by R. W. Stallman: USGS--TWRI Book 3, Chapter B1. 1971. 26 pages \$0.70.
- 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. \$0.65.
- 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 \$0.70.
- 3-C3. *Computation of fluvial-sediment discharge*, by George Porterfield: USGS--TWRI Book 3, Chapter C3. 1972. 66 pages. \$1.15.
- 4-A1. *Some statistical tools in hydrology*, by H. C. Riggs: USGS--TWRI Book 4 Chapter A1. 1968. 39 pages. \$0.30.
- 4-A2. *Frequency curves*, by H. C. Riggs: USGS--TWRI Book 4, Chapter A2. 1968. 15 pages. \$0.20.
- 4-B1. *Low-flow investigations*, by H. C. Riggs: USGS--TWRI Book 4, Chapter B1. 1972, 18 pages. \$0.65.
- 4-B2. *Storage analyses for water supply*, by H. C. Riggs and C. H. Hardison: USGS--TWRI Book 4, Chapter B2. 1973. 20 pages. \$0.75.
- 4-B3. *Regional analyses of streamflow characteristics*, by H. C. Riggs: USGS--TWRI Book 4, Chapter B3. 1973. 15 pages. \$0.75.
- 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. \$0.65.
- 5-A1. *Methods for collection and analysis of water samples for dissolved minerals and gases*, by Eugene Brown, M. W. Skougstad, and M. J. Fishman: USGS--TWRI Book 5, Chapter A1. 1970. 160 pages \$2.40.
- 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. \$0.80.
- 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. \$0.90.
- 5-A4. *Methods for collection and analysis of aquatic biological and microbiological samples*, by K. V. Slack, R. C. Averett, P. E. Greeson, and R. G. Lipscomb: USGS--TWRI Book 5, Chapter A4. 1973. 165 pages. \$1.95.
- 5-C1. *Laboratory theory and methods for sediment analysis*, by H. P. Guy: USGS--TWRI Book 5, Chapter C1. 1969. 58 pages. \$0.65.
- 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.
- 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. \$0.70.
- 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. \$0.40.

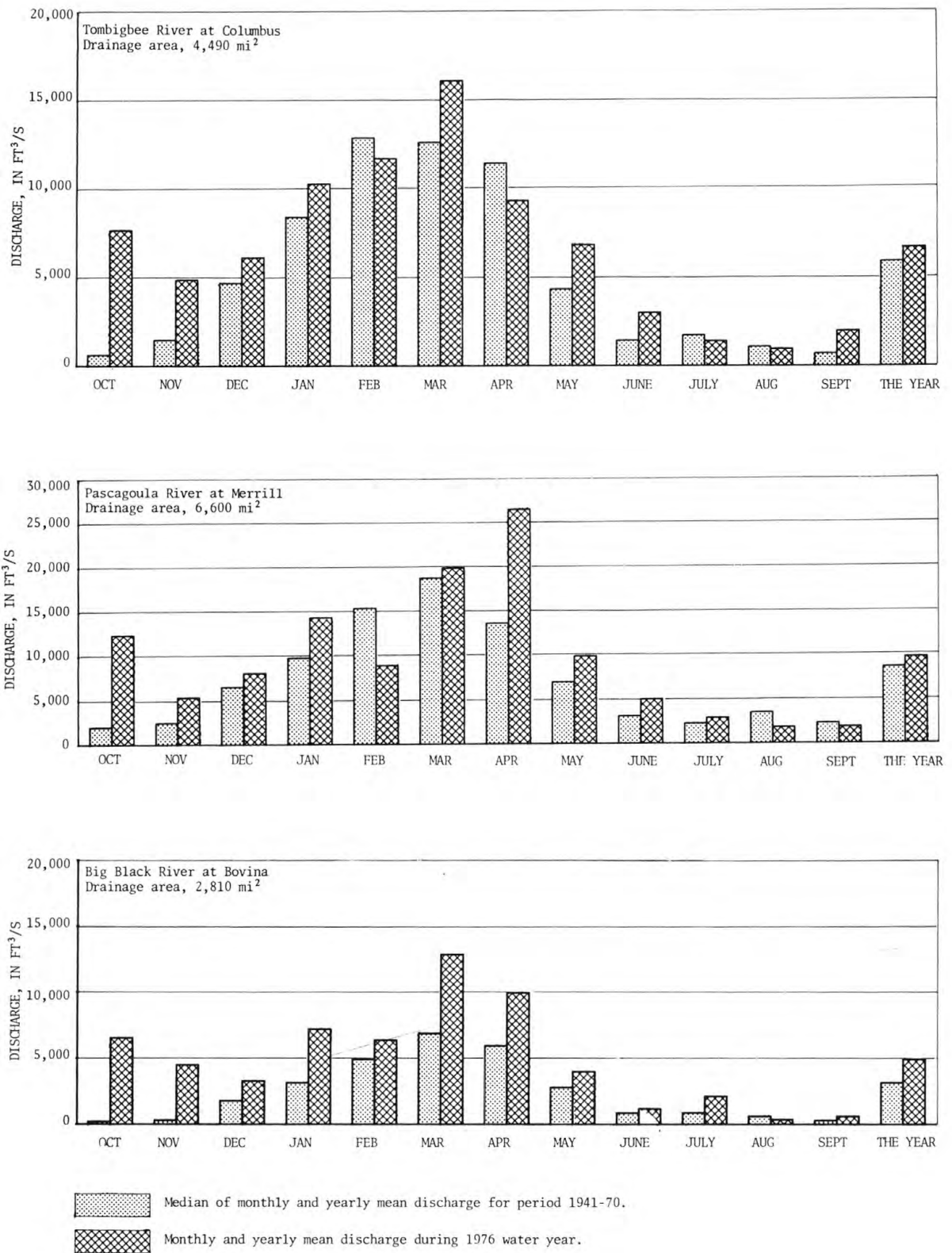


FIGURE 2.--Discharge during 1976 water year compared with median discharge for period 1941-70 for three representative gaging stations.

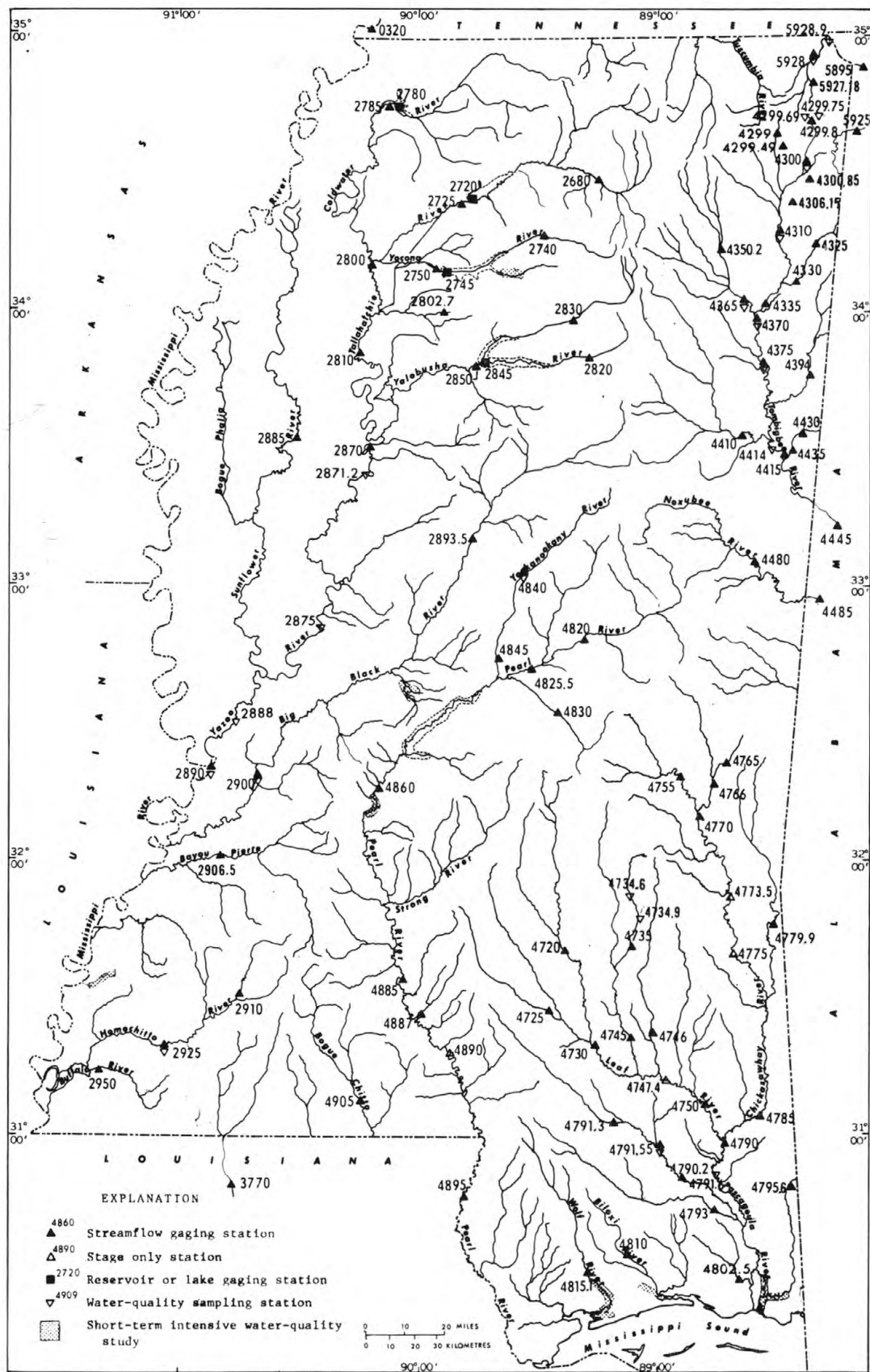


Figure 3.--Map showing location of hydrologic-data stations.

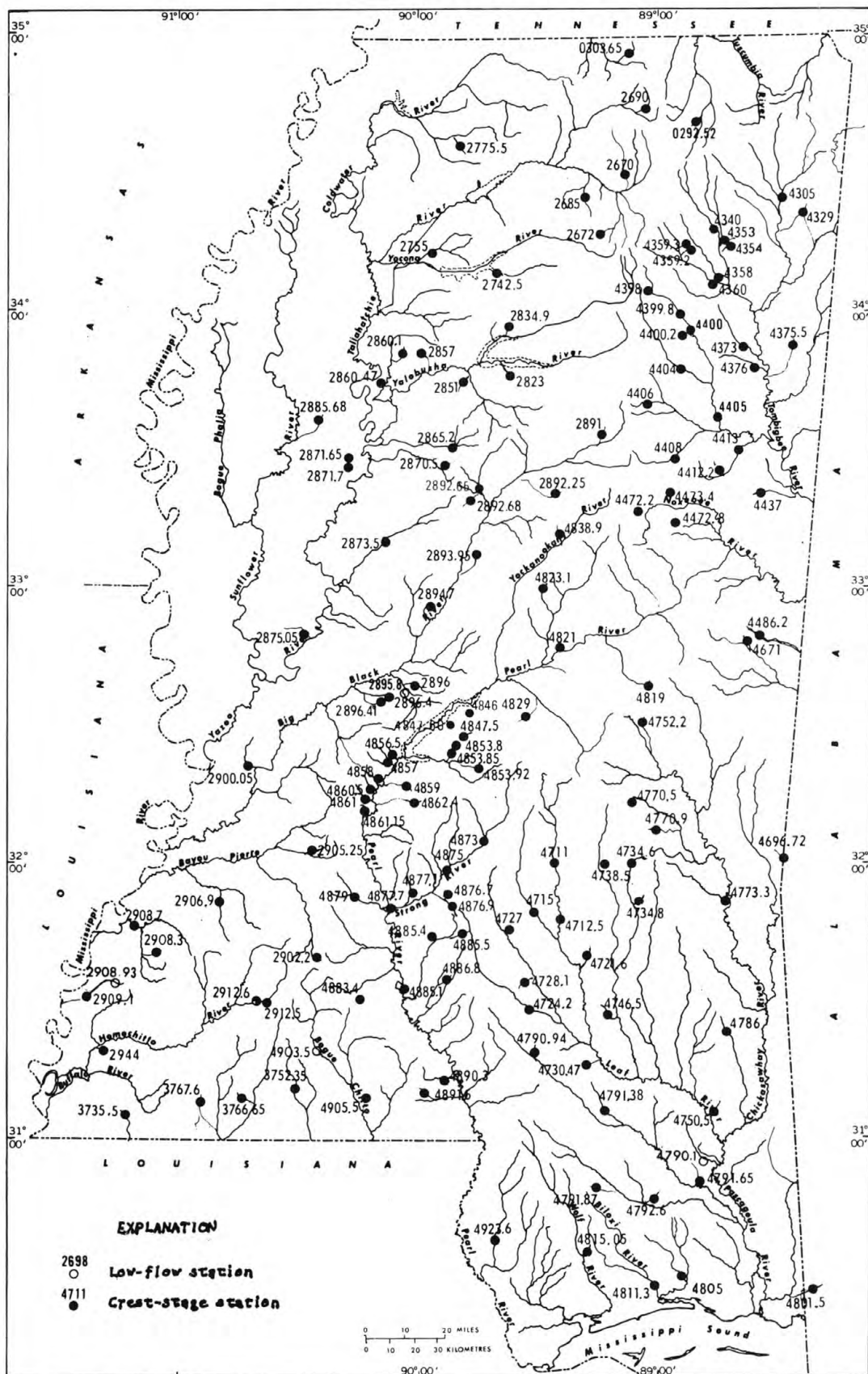


Figure 4 -- Map showing location of partial-record stations

LOCATION OF OBSERVATION WELLS

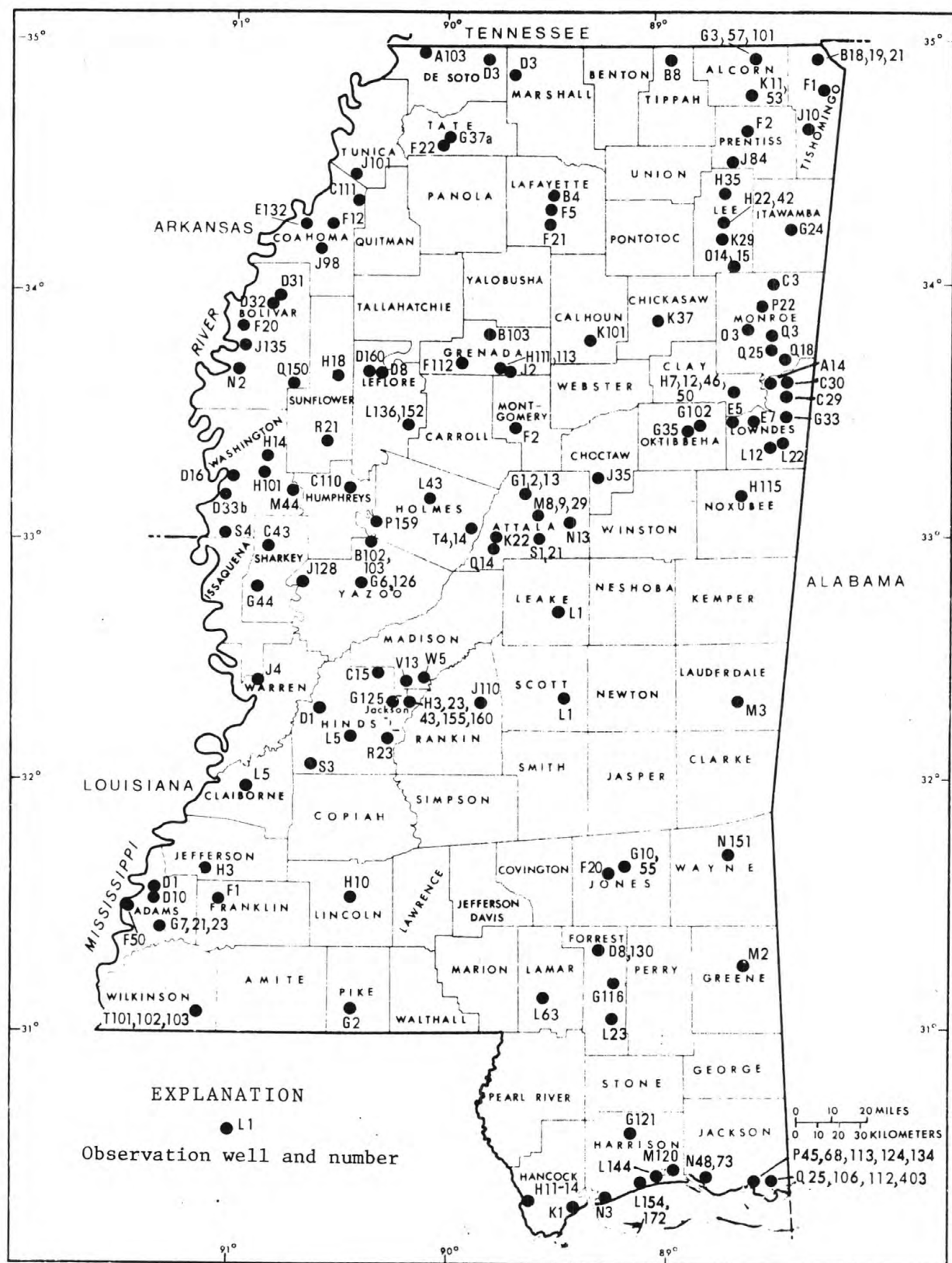


Figure 5.--Location of observation wells in Mississippi, 1976.

HYDROLOGIC-DATA STATION RECORDS

17

SOUTH ATLANTA AND 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. Altitude of gage is 32.5 ft (9.906 m) from topographic map. Prior to June 1973, crest-stage gage at site 0.4 mi (0.6 km) upstream at different datum.

REMARKS.--Records fair.

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 observed, 0.22 ft³/s (0.006 m³/s) Oct. 2, 1954.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,410 ft³/s (39.9 m³/s) Oct. 17, gage height, 19.70 ft (6.005 m), no peak above base of 1,600 ft³/s (45.3 m³/s); minimum, 0.30 ft³/s (0.008 m³/s) Sept. 24, 25, 26, gage height, 3.71 ft (1.131 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	22	21	85	69	41	43	130	18	24	4.0	5.5	1.9
2	20	20	56	165	37	42	92	17	53	3.4	3.1	3.4
3	14	19	47	499	36	43	77	45	43	3.2	2.3	4.6
4	13	19	42	152	35	42	67	30	30	3.4	2.0	3.6
5	13	18	39	97	76	178	60	25	29	4.0	1.9	3.0
6	13	193	54	78	182	94	53	21	21	3.4	1.8	1.9
7	16	83	48	139	74	65	48	19	17	3.1	1.9	2.0
8	23	49	40	94	62	158	44	18	11	2.8	1.7	1.8
9	16	46	38	66	53	198	42	17	9.0	2.4	1.7	4.5
10	13	58	35	62	49	97	59	16	8.0	2.2	1.5	3.6
11	12	41	33	90	50	76	50	16	7.0	2.0	1.0	2.1
12	12	37	32	67	45	161	42	15	6.6	1.9	1.4	1.5
13	11	32	31	92	42	91	65	15	6.2	1.8	1.1	1.5
14	10	29	30	83	40	78	43	378	6.0	3.4	2.8	1.1
15	9.8	28	56	65	38	70	32	184	22	3.6	1.3	1.1
16	43	27	69	60	39	61	28	106	8.0	2.5	1.7	.81
17	878	26	41	51	46	54	25	67	10	3.0	1.6	.92
18	138	24	34	45	599	49	24	49	11	2.3	1.4	.74
19	71	23	32	44	184	46	23	39	8.0	1.9	1.1	1.2
20	49	57	34	45	110	198	22	32	6.4	1.7	.92	2.0
21	40	41	31	43	168	208	22	27	5.6	1.6	.92	1.1
22	34	31	29	40	111	94	58	24	4.7	1.5	.88	.88
23	29	29	28	40	82	75	31	23	4.5	1.4	.74	.61
24	27	27	27	39	70	69	25	21	7.0	2.0	.61	.51
25	33	25	231	127	63	68	22	18	5.2	1.6	.56	.51
26	43	63	191	122	58	115	20	16	4.9	1.4	4.9	.51
27	32	82	82	67	53	149	19	21	5.7	1.3	2.0	.92
28	29	44	63	57	50	306	25	71	5.7	4.5	1.5	2.8
29	26	39	56	52	47	206	22	52	4.6	6.9	1.3	2.7
30	24	121	60	47	---	276	19	32	4.5	5.5	1.3	3.1
31	22	---	112	43	---	253	---	24	---	3.9	1.3	---
TOTAL	1735.8	1352	1786	2740	2540	3643	1289	1456	388.6	87.6	53.73	56.91
MEAN	56.0	45.1	57.6	88.4	87.6	118	43.0	47.0	13.0	2.83	1.73	1.90
MAX	878	193	231	499	599	306	130	378	53	6.9	5.5	4.6
MIN	9.8	18	27	39	35	42	19	15	4.5	1.3	.56	.51
CFSM	2.07	1.67	2.13	3.27	3.24	4.37	1.59	1.74	.48	.10	.06	.07
IN.	2.39	1.86	2.46	3.77	3.50	5.05	1.78	2.01	.54	.12	.07	.08
CAL YR 1975	TOTAL	26922.30	MEAN	73.5	MAX	1790	MIN	2.2	CFSM	2.72	IN	36.95
WTR YR 1976	TOTAL	17148.64	MEAN	46.5	MAX	878	MIN	.51	CFSM	1.74	IN	23.63

MOBILE RIVER BASIN

02429949 LITTLE BROWN CREEK NEAR NEW SITE, MS

LOCATION.--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. Altitude of gage on main channel is 312 ft or 95.1 m (from topographic map). Water-stage recorder on West Canal Little Brown Creek, 0.2 mi (0.3 km) northwest of base gage.

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

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,240 ft³/s (120 m³/s) Mar. 13, 1975, gage height, 13.86 ft (4.22 m); minimum daily, 9.5 ft³/s (0.269 m³/s) Sept. 11-12, 1973.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 950 ft³/s (26.9 m³/s) Feb. 18, gage height, 12.05 ft (3.673 m), no peak above base of 1,600 ft³/s (45.3 m³/s); minimum daily, 11 ft³/s (0.312 m³/s) Sept. 14-17, 22-25, 1976.

CORRECTIONS.--Corrected figures of discharge per square mile and runoff in inches, for water years 1973-75, superseding those published in MS-75-1 are given herewith:

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT
WTR YR 1973:												
CFSM										.70	.32	.31
IN.										.81	.57	.35
WTR YR 1974												
CFSM	.48	3.59	2.21	9.26	3.51	2.04	1.71	2.21	2.12	.84	.38	.48
IN.	.56	4.02	2.55	10.68	3.67	2.35	1.91	2.55	2.36	.96	.44	.53
WTR YR 1975:												
CFSM	.43	.85	3.97	3.71	4.44	8.95	2.04	2.68	1.10	.98	1.05	1.08
IN.	.50	.94	4.59	4.28	4.63	10.33	2.28	3.10	1.23	1.13	1.21	1.20
WTR YR 1974:	CFSM 2.40	IN 32.60		CAL YR 1974:	CFSM 2.32	IN 31.51		WTR YR 1975:	CFSM 2.59	IN 35.44		

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	39	49	113	89	57	59	147	38	33	28	19	18
2	37	46	72	216	53	57	107	32	45	25	17	17
3	31	45	61	431	52	53	91	29	66	24	16	16
4	30	44	55	162	50	54	81	28	78	25	16	17
5	30	44	51	107	70	186	73	27	68	26	15	15
6	30	190	54	92	225	146	67	34	40	24	15	13
7	33	122	55	160	98	95	62	52	33	24	15	13
8	39	84	49	128	79	125	57	34	29	21	14	14
9	154	74	48	88	71	303	51	30	26	20	14	19
10	108	82	44	79	65	148	48	30	25	20	14	18
11	62	65	42	113	64	104	52	37	23	19	14	13
12	54	57	41	98	62	166	69	30	23	19	14	12
13	56	50	39	149	58	138	59	60	21	23	13	12
14	53	46	38	131	56	103	71	284	21	22	13	11
15	48	43	56	90	54	93	63	250	21	34	13	11
16	78	42	79	83	56	92	50	129	26	22	14	11
17	664	40	51	73	53	77	40	81	24	21	17	11
18	288	34	43	65	682	71	37	59	24	19	16	12
19	141	38	39	62	313	68	35	48	38	18	15	13
20	83	70	41	63	132	83	33	45	32	18	14	15
21	67	61	39	60	196	365	40	40	27	17	13	13
22	60	46	36	57	155	128	36	37	24	17	13	11
23	55	42	36	56	107	89	34	37	22	16	13	11
24	51	40	37	56	91	78	35	34	20	16	13	11
25	70	38	203	103	82	77	47	32	23	15	13	11
26	118	76	212	144	75	76	36	31	68	15	14	25
27	91	110	99	82	69	238	33	33	109	16	15	36
28	71	61	77	71	66	106	30	97	46	18	14	19
29	62	53	68	67	63	236	29	55	44	19	14	20
30	56	127	73	62	---	270	32	40	41	18	14	17
31	51	---	117	59	---	297	---	35	---	18	14	---
TOTAL	2910	1919	2068	3296	3254	4181	1645	1828	1120	637	448	455
MEAN	90.6	64.0	66.7	106	112	135	54.8	59.0	37.3	20.5	14.5	15.2
MAX	664	190	212	431	682	365	147	284	109	34	19	36
MIN	30	34	36	56	50	53	29	27	20	15	13	11
CFSM	2.15	1.52	1.58	2.52	2.66	3.21	1.30	1.40	.89	.49	.34	.36
IN.	2.48	1.70	1.83	2.91	2.88	3.69	1.45	1.62	.99	.56	.40	.40
CAL YR 1975	TOTAL	40068	MEAN 110	MAX 3010	MIN 14	CFSM 2.61	IN 35.40					
WTR YR 1976	TOTAL	23661	MEAN 64.6	MAX 682	MIN 11	CFSM 1.53	IN 20.91					

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.

REMARKS.--Records good.

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, 116 ft³/s (3.29 m³/s) Oct. 17, gage height, 3.44 ft (1.049 m) from rating extended above 20 ft³/s (0.57 m³/s) on basis of computation of peak flow through culvert; minimum, 2.7 ft³/s (0.076 m³/s) Aug. 24, Sept. 17, gage height, 2.42 ft (0.738 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.8	3.9	6.8	5.8	4.5	4.2	9.1	5.5	5.0	4.2	5.0	5.0
2	4.3	3.9	5.8	18	4.4	4.2	7.8	5.0	9.8	3.8	4.2	5.0
3	3.9	3.8	5.3	16	4.3	4.2	7.2	4.6	7.2	3.8	3.8	4.6
4	3.8	3.7	4.8	7.9	4.3	4.2	6.6	4.6	5.5	4.2	3.8	4.2
5	3.7	3.7	4.8	5.8	11	12	6.0	4.6	5.5	4.2	3.8	3.8
6	3.7	25	5.3	5.8	11	6.6	6.0	7.2	5.0	3.8	3.8	3.4
7	5.3	9.8	4.8	11	5.8	5.0	6.0	7.2	4.6	3.8	3.8	3.8
8	4.8	6.8	4.8	6.8	5.3	11	6.0	5.5	4.6	3.8	3.8	3.8
9	4.3	6.3	4.8	5.3	5.3	11	5.5	5.0	4.2	3.8	4.2	5.5
10	3.9	6.8	4.8	5.3	5.3	7.2	5.5	5.5	4.2	3.4	3.8	6.0
11	6.3	6.3	4.3	7.9	5.8	6.0	7.8	5.5	4.2	3.4	4.2	4.2
12	4.8	5.8	4.2	5.8	4.8	12	8.4	5.0	4.2	3.4	3.4	3.8
13	4.3	5.8	4.1	8.5	4.7	7.8	6.6	5.5	4.2	3.4	3.4	3.8
14	3.9	4.8	4.1	6.3	4.6	7.2	13	35	3.8	5.0	3.8	3.8
15	3.8	4.6	7.3	5.8	4.5	7.2	7.2	12	3.8	5.0	5.0	3.4
16	18	4.5	5.3	5.8	4.5	6.6	6.0	8.4	5.0	3.8	5.0	3.4
17	44	4.3	4.8	5.3	8.5	6.0	5.5	6.0	4.2	3.8	3.8	3.4
18	9.1	4.2	4.3	4.8	44	5.5	5.0	5.0	5.5	3.4	3.8	3.4
19	6.8	4.1	4.3	4.8	9.1	5.0	5.0	4.6	5.5	3.4	3.4	3.8
20	5.8	8.5	4.2	5.3	6.6	15	4.6	4.2	3.8	3.4	3.4	3.8
21	5.3	5.8	4.1	4.7	14	14	5.5	4.2	3.4	3.4	3.4	4.2
22	4.8	5.3	4.0	4.5	7.2	7.8	5.0	4.2	3.4	6.6	3.4	3.4
23	4.8	4.7	3.9	4.4	5.5	6.6	4.6	4.2	3.4	4.6	3.4	3.4
24	4.3	4.5	3.9	4.3	5.0	6.0	5.5	3.8	3.4	3.8	3.4	3.4
25	6.3	4.4	19	11	5.0	6.6	6.6	3.8	7.8	3.8	14	3.8
26	6.3	9.8	8.5	6.8	4.6	7.2	5.0	3.8	6.0	3.8	4.2	3.8
27	4.8	6.3	6.3	5.8	4.6	15	5.0	4.2	6.6	8.4	3.4	7.2
28	4.8	5.3	5.8	5.3	4.2	7.8	4.6	9.8	4.6	6.6	3.4	6.6
29	4.8	5.3	5.2	4.8	4.2	12	4.6	5.0	4.2	4.6	5.0	9.8
30	4.3	13	5.0	4.8	--	14	5.0	4.2	4.2	5.0	3.8	6.0
31	4.3	--	7.3	4.6	--	15	--	5.0	--	7.2	5.5	--
TOTAL	205.1	191.0	171.9	209.0	212.6	259.9	186.2	198.1	146.8	134.6	132.1	133.5
MEAN	6.62	6.37	5.55	6.74	7.33	8.38	6.21	6.39	4.89	4.34	4.26	4.45
MAX	44	25	19	18	44	15	13	35	9.8	8.4	14	9.8
MIN	3.7	3.7	3.9	4.3	4.2	4.2	4.6	3.8	3.4	3.4	3.4	3.4
CFSM	3.23	3.11	2.71	3.29	3.58	4.09	3.03	3.12	2.39	2.12	2.08	2.17
IN.	3.72	3.46	3.12	3.79	3.86	4.71	3.38	3.59	2.66	2.44	2.40	2.42
CAL YR 1975	TOTAL	3027.1	MEAN 8.29	MAX 176	MIN 3.0	CFSM 4.04	IN 54.90					
WTR YR 1976	TOTAL	2180.8	MEAN 5.96	MAX 44	MIN 3.4	CFSM 2.91	IN 39.55					

MOBILE RIVER BASIN

02430000 MACKEYS CREEK NEAR DENNIS, MS

LOCATION.--Lat 34°31'34", long 88°19'22", in NE&SW¼ 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 current year. 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) above mean sea level (levels by Corps of Engineers). Prior to Oct. 15, 1948, nonrecording gage at same site and datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--39 years, 106 ft³/s (3.002 m³/s), 21.55 in/yr (547 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 CURRENT YEAR.--Maximum discharge, 1,290 ft³/s (36.5 m³/s) Oct. 17, gage height, 11.26 ft (3.432 m), no peak above base of 1,500 ft³/s (42.5 m³/s); minimum, 29 ft³/s (0.82 m³/s) Aug. 22, 23, 24, 25, gage height, 2.12 ft (0.646 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	84	84	215	143	104	113	357	92	86	74	66	115
2	100	83	128	170	98	107	211	86	90	66	55	82
3	80	81	106	510	95	107	175	74	134	62	47	71
4	73	81	98	353	93	106	158	70	115	66	43	65
5	72	81	100	177	100	225	143	68	132	79	41	58
6	72	247	104	152	312	297	126	70	98	83	40	52
7	80	398	97	199	181	165	117	132	81	66	41	50
8	98	183	95	262	130	169	109	98	73	61	41	55
9	83	134	92	147	119	352	104	80	70	56	39	90
10	74	134	89	132	111	230	98	72	66	55	38	80
11	71	128	86	164	111	162	102	89	64	55	37	60
12	84	143	86	185	115	215	136	81	62	51	37	50
13	81	117	84	185	106	230	115	84	59	49	36	46
14	73	100	95	274	104	167	126	264	57	51	35	44
15	70	95	170	162	100	150	160	473	55	62	34	41
16	86	93	150	143	98	156	115	245	68	59	36	41
17	739	90	130	130	98	134	104	167	81	62	45	40
18	714	89	100	113	533	124	93	122	95	54	39	40
19	197	86	94	109	792	119	90	102	232	47	34	42
20	143	124	88	113	269	165	87	93	152	45	32	51
21	119	147	84	111	261	726	90	87	90	44	31	48
22	107	104	82	106	346	364	92	83	74	43	30	42
23	100	93	80	104	191	187	84	81	68	42	31	40
24	95	90	150	102	158	156	81	78	68	42	31	39
25	109	87	400	126	143	152	113	74	78	41	40	39
26	156	98	350	243	132	147	100	71	162	39	156	61
27	128	191	250	145	124	342	86	78	117	38	82	116
28	106	128	150	115	119	225	80	136	102	49	53	81
29	97	106	110	109	117	248	77	165	86	81	51	84
30	92	126	126	106	---	420	78	102	89	70	78	55
31	86	---	150	102	---	511	---	86	---	62	64	---
TOTAL	4269	3741	4139	5192	5260	6971	3607	3603	2804	1754	1463	1778
MEAN	138	125	134	167	181	225	120	116	93.5	56.6	47.2	59.3
MAX	739	398	400	510	792	726	357	473	232	83	156	116
MIN	70	81	80	102	93	106	77	68	55	38	30	39
CFSM	2.07	1.87	2.01	2.50	2.71	3.37	1.80	1.74	1.40	.85	.71	.89
IN.	2.38	2.08	2.30	2.89	2.93	3.88	2.01	2.01	1.56	.98	.81	.99
CAL YR 1975	TOTAL	63532	MEAN 174	MAX 3490	MIN 37	CFSM 2.60	IN 35.38					
WTR YR 1976	TOTAL	44581	MEAN 122	MAX 792	MIN 30	CFSM 1.83	IN 24.43					

02430000 MACKEYS CREEK NEAR DENNIS, MS--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1960, 1972 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 89 micromhos May 8, 1975; minimum, 20 micromhos April 26, 1975.

pH: July 1973 to current year.

WATER TEMPERATURE: July 1973 to current year.

TURBIDITY: November 1974 to current year.

DISSOLVED OXYGEN: July 1973 to current year.

INSTRUMENTATION.--Water-quality monitor since July 1973.

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

EXTREMES OUTSIDE PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 89 micromhos May 8, 1975; minimum, 20 micromhos April 26, 1975.

pH: Maximum, 7.8 units Oct. 26, 1973; minimum, 4.5 units May 12, 1974.

WATER TEMPERATURES: Maximum, 27.5°C July 1, 1974; minimum, 1.5°C Dec. 5, 1974.

TURBIDITY: Maximum, 95 JTU Sept. 30, 1975; minimum, 3 JTU on many days in water year 1975.

DISSOLVED OXYGEN: Maximum, 14.0 mg/L Dec. 5, 1974; minimum, 2.7 mg/L Nov. 23, 1973.

REVISIONS.--The analysis for July 9, 1975, (1,330 hours) has been revised. The following values supersede figures previously published: total hardness 12 mg/L, noncarbonate hardness 0 mg/L, and dissolved calcium 2.4 mg/L.

WATER QUALITY DATA, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	TIME	INSTANTANEOUS DISE- CHARGE (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COHALT UNITS)	TUR- BID- ITY (JTU)	DIS- SOLVED OXYGEN (MG/L)	CHEM- ICAL OXYGEN DEMAND (HIGH LFVEL) (MG/L)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	IMME- DIATE COLI- FORM (COL. PER 100 ML)	FECAL COLI- FORM (COL. PER 100 ML)
OCT												
01...	0900	41	28	6.6	18.0	50	15	8.1	2	1.7	1060	B200
NOV												
04...	1130	41	33	5.9	17.0	70	--	8.1	6	2.9	340	--
DEC												
03...	1000	106	30	6.4	6.0	60	--	11.6	4	2.2	370	B60
30...	1500	126	29	5.6	9.0	50	--	10.7	6	2.3	313	<7
JAN												
20...	1230	113	35	6.0	4.0	30	6	11.3	10	2.1	887	<7
FEB												
24...	1015	140	24	6.7	8.5	60	--	10.4	5	1.5	220	<7
MAR												
24...	0930	158	29	6.2	13.5	70	20	10.2	14	1.0	<7	<7
MAY												
04...	1045	70	33	6.5	15.0	70	--	9.2	4	1.8	226	<7
JUN												
02...	1030	88	35	5.7	22.0	90	--	8.6	29	1.3	343	<14
JUL												
07...	1000	66	38	5.9	22.0	50	15	8.0	14	.5	485	<14
AUG												
03...	1100	48	31	6.6	23.0	40	--	7.9	5	1.1	--	<14
30...	1430	71	30	6.6	23.5	60	--	8.1	10	2.1	414	<14

DATE	HARD- NESS (CA+MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	TOTAL HARD- NESS (MG/L)	DIS- SOLVED MAG- NESIUM (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	ALKA- LINITAS CACO3 (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLOR- IDE (CL) (MG/L)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L)	DIS- SOLVED SOLIDS (TONS PER AC-FT)
OCT												
01...	11	0	3.1	.3	.8	21	0	17	3.8	1.8	30	.04
NOV												
04...	12	0	3.5	--	.8	17	0	14	2.6	1.5	28	.04
DEC												
03...	15	7	4.5	--	.9	10	0	8	3.7	1.5	18	.02
30...	11	0	3.2	--	.8	15	0	12	3.6	1.5	33	.04
JAN												
20...	10	0	2.8	.8	.8	12	0	10	3.8	2.4	29	.04
FEB												
24...	9	0	2.5	--	.7	13	0	11	3.4	1.7	33	.04
MAR												
24...	8	0	1.9	1.2	.8	10	0	8	3.6	1.6	49	.07
MAY												
04...	8	0	2.4	--	.2	12	0	10	2.3	1.5	33	.04
JUN												
02...	8	0	2.2	--	.7	16	0	13	2.9	1.3	39	.05
JUL												
07...	9	2	2.3	.8	.8	8	0	7	2.9	1.2	48	.07
AUG												
03...	11	3	3.2	--	.7	10	0	8	2.5	2.1	38	.05
30...	10	0	2.8	--	.7	12	0	10	4.1	1.8	30	.04

MOBILE RIVER BASIN

02430000 MACKEYS CREEK NEAR DENNIS, MS--CONTINUED

DATE	DIS- SOLVED SOLIDS (TONS PER DAY)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N03) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOL- VED- PHOS- PHORUS (P) (MG/L)	TOTAL ARSENIC (AS) (UG/L)
OCT												
01...	6.56	.08	.00	.08	.01	.23	.24	.32	1.4	.03	.01	1
NOV												
04...	6.12	.04	.01	.05	.00	.17	.17	.22	.97	.02	.00	--
DEC												
03...	5.15	.08	.01	.09	.04	.19	.23	.32	1.4	.04	.02	--
30...	11.2	.14	.00	.14	.04	.02	.06	.20	.89	.02	.00	--
JAN												
20...	8.85	.10	.01	.11	.03	.00	.00	.11	.49	.01	.00	0
FEB												
24...	14.3	.08	.01	.09	.03	.21	.24	.33	1.5	.02	.01	--
MAR												
24...	20.9	.06	.01	.07	.02	.17	.19	.26	1.2	.02	.00	1
MAY												
04...	6.24	.10	.01	.11	.03	.43	.46	.57	2.5	.01	.01	--
JUN												
02...	9.27	.09	.01	.10	.04	.21	.25	.35	1.6	.03	.00	--
JUL												
07...	8.55	.09	.01	.10	.05	.17	.22	.32	1.4	.20	.10	1
AUG												
03...	4.92	.09	.01	.10	.01	.17	.18	.28	1.2	.02	.00	--
30...	5.75	.06	.01	.07	.01	.33	.34	.41	1.8	.05	.01	--

DATE	TOTAL CAD- MIUM (CD) (UG/L)	TOTAL CHRO- MIUM (CR) (UG/L)	HEXA- VALENT CHRO- MIUM (CR6) (UG/L)	TOTAL COPPER (CU) (UG/L)	TOTAL IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	TOTAL MAN- GANESE (MN) (UG/L)	TOTAL MERCURY (HG) (UG/L)	TOTAL SFLU- MIUM (SE) (UG/L)	TOTAL ZINC (ZN) (UG/L)	TOTAL ORGANIC CARBON (C) (MG/L)	PHENOLS (UG/L)
OCT												
01...	0	<10	0	3	1900	5	120	.1	0	0	5.8	3
NOV												
04...	--	--	--	--	--	--	--	.0	--	--	2.8	--
DEC												
03...	--	--	--	--	--	--	--	.3	--	--	--	--
30...	--	--	--	--	--	--	--	.1	--	--	4.4	--
JAN												
20...	0	<10	0	1	1000	0	120	.2	0	20	1.4	3
FEB												
24...	--	--	--	--	--	--	--	.0	--	--	8.8	--
MAR												
24...	1	20	0	3	2000	3	130	.3	0	10	2.2	4
MAY												
04...	--	--	--	--	--	--	--	.2	--	--	3.0	--
JUN												
02...	--	--	--	--	--	--	--	.1	--	--	5.4	--
JUL												
07...	0	30	0	4	2400	0	190	.0	0	20	3.5	8
AUG												
03...	--	--	--	--	--	--	--	.1	--	--	2.6	--
30...	--	--	--	--	--	--	--	.2	--	--	6.0	--

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

[illegible]

MOBILE RIVER BASIN

02430000 MACKEYS CREEK NEAR DENNIS, MS--CONTINUED

PS UNITS), WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DAY	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	---	---	---	---	---	---	---	---	6.5	6.5	---	---
2	---	---	---	---	6.4	6.3	---	---	6.6	6.5	---	---
3	---	---	---	---	6.5	6.2	---	---	6.4	6.3	---	---
4	---	---	---	---	6.5	6.3	---	---	6.4	6.3	---	---
5	---	---	---	---	6.5	6.4	---	---	---	---	---	---
6	---	---	---	---	6.6	6.4	---	---	---	---	---	---
7	5.8	---	---	---	---	---	6.2	6.1	---	---	---	---
8	5.9	5.4	---	---	---	---	6.6	6.2	---	---	---	---
9	---	5.2	---	---	---	---	6.9	6.5	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	6.1	5.9	---	---	---	---	---	---	---	---	---	---
15	6.2	6.1	---	---	---	---	---	---	---	---	---	---
16	6.3	6.0	---	---	---	---	---	---	---	---	---	---
17	5.9	5.2	---	---	---	---	---	---	---	---	---	---
18	5.1	5.0	---	---	---	---	---	---	---	---	---	---
19	5.3	5.0	---	---	---	---	---	---	---	---	---	---
20	5.6	5.3	6.5	6.4	---	---	---	---	6.2	6.0	---	---
21	5.7	5.6	6.6	6.5	---	---	---	---	---	---	---	---
22	---	---	6.5	6.5	---	---	6.5	6.4	---	---	---	---
23	---	---	6.7	6.5	6.9	6.7	6.6	6.4	---	---	---	---
24	---	---	---	---	6.9	6.7	6.6	6.5	---	---	---	---
25	---	---	---	---	6.8	6.6	6.7	6.5	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	6.4	6.3	---	---	---	---
30	---	---	---	---	---	---	6.5	6.3	---	---	---	---
31	---	---	---	---	7.0	6.9	6.5	6.4	---	---	6.1	6.0
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

DAY	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	6.2	6.1	---	---	5.7	5.7	6.3	6.2	6.3	6.2	---	---
2	6.3	6.2	---	---	5.7	5.7	6.3	6.2	6.5	6.4	6.5	6.4
3	6.3	6.2	---	---	5.7	5.5	6.3	6.2	6.7	6.5	6.4	6.4
4	6.3	6.2	6.6	6.5	5.5	5.3	6.2	6.2	6.3	6.2	6.4	6.3
5	6.3	6.3	6.6	6.4	5.4	5.3	6.2	5.9	6.2	6.1	6.4	6.3
6	---	---	6.6	6.4	5.3	5.2	6.1	5.9	6.4	6.2	6.4	6.4
7	---	---	6.4	6.3	5.3	5.1	6.2	6.0	6.4	6.3	6.5	6.4
8	---	---	6.4	6.3	---	---	6.2	6.1	6.5	6.4	6.5	6.4
9	---	---	6.3	6.2	5.9	5.8	6.3	6.2	6.5	6.5	6.4	6.4
10	---	---	6.3	6.1	5.9	5.7	6.3	6.1	6.6	6.0	6.5	6.2
11	---	---	6.1	6.0	5.8	5.6	6.2	6.1	6.2	6.0	6.6	6.5
12	---	---	6.0	5.8	5.7	5.6	6.3	6.2	6.5	6.3	6.6	6.4
13	6.6	6.5	5.9	5.8	5.6	5.5	6.3	6.2	6.5	6.4	6.5	6.4
14	6.6	6.5	6.2	5.8	5.6	5.3	6.7	6.2	6.5	6.2	6.5	6.0
15	6.5	6.5	5.7	5.3	5.4	5.3	6.4	6.2	6.3	6.2	6.2	6.1
16	6.5	6.4	5.5	5.4	5.7	5.3	6.3	6.2	6.4	6.3	6.6	6.2
17	6.5	6.4	5.7	5.5	5.5	5.4	6.3	6.2	6.4	6.3	6.7	6.7
18	6.5	6.5	5.9	5.7	5.4	4.9	6.3	6.2	6.5	6.3	6.8	6.6
19	---	---	---	---	5.0	4.8	6.4	6.2	6.3	6.1	6.7	6.6
20	---	---	6.5	6.3	5.2	4.9	6.3	6.2	6.2	6.1	6.6	6.5
21	6.7	6.6	6.5	6.4	---	---	6.3	6.1	6.3	6.2	6.5	6.4
22	6.7	6.5	6.5	6.3	---	---	6.2	6.1	6.3	6.2	6.6	6.4
23	---	---	6.4	6.3	6.0	5.9	6.2	6.1	6.4	6.3	6.7	6.4
24	---	---	6.3	6.2	6.0	5.9	6.1	6.0	6.4	6.2	6.7	6.7
25	---	---	6.3	6.0	5.9	5.4	6.1	6.0	6.4	6.2	6.8	6.7
26	6.7	6.6	6.1	5.9	5.6	5.5	6.2	6.1	6.6	6.4	6.8	6.6
27	6.7	6.4	6.0	5.9	5.6	5.2	6.4	6.2	6.8	6.6	---	---
28	6.6	6.5	5.9	5.7	5.5	5.5	6.5	6.3	6.8	6.7	---	---
29	6.6	6.5	5.7	5.7	6.2	6.2	6.3	6.2	6.8	6.6	---	---
30	6.6	6.5	5.7	5.6	6.3	6.2	6.2	6.0	6.9	6.4	---	---
31	---	---	5.7	5.7	---	---	6.2	6.0	6.7	6.5	---	---
MONTH	---	---	6.6	5.3	6.3	4.8	6.7	5.9	6.9	6.0	6.8	6.0

02430000 MACKEYS CREEK NEAR DENNIS, MS--CONTINUED

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

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

MOBILE RIVER BASIN

02430000 MACKEYS CREEK NEAR DENNIS, MS--CONTINUED

TURBIDITY (NTU), WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DAY	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	---	---	---	---	40	35	20	20	---	---	25	25
2	---	---	---	---	35	35	30	20	---	---	25	25
3	---	---	---	---	---	---	---	---	20	10	30	25
4	---	---	---	---	---	---	---	---	35	9	30	30
5	---	---	---	---	---	---	---	---	25	15	55	25
6	---	---	---	---	---	---	---	---	15	10	---	---
7	---	---	---	---	---	---	30	10	---	---	---	---
8	5	5	---	---	---	---	45	15	---	---	---	---
9	5	5	---	---	---	---	25	20	---	---	---	---
10	---	---	---	---	15	15	25	20	---	---	50	45
11	---	---	25	15	15	15	---	---	15	15	40	40
12	---	---	25	20	20	15	---	---	15	15	80	40
13	---	---	25	20	25	20	---	---	15	10	55	25
14	---	---	25	20	---	---	---	---	15	10	25	20
15	---	---	25	25	---	---	---	---	15	15	25	25
16	---	---	30	25	---	---	---	---	---	---	30	25
17	80	50	30	25	---	---	---	---	---	---	35	30
18	50	35	30	25	---	---	---	---	---	---	35	20
19	35	15	30	25	---	---	---	---	---	---	35	35
20	20	10	30	20	---	---	---	---	70	25	100	35
21	10	9	30	25	---	---	---	---	---	---	85	40
22	---	---	25	20	---	---	9	7	---	---	65	40
23	---	---	20	20	10	10	10	6	---	---	55	35
24	50	---	20	20	10	10	10	10	---	---	55	30
25	50	45	20	20	---	---	---	---	25	20	45	25
26	50	40	20	20	---	---	---	---	25	25	25	20
27	50	40	25	20	---	---	---	---	25	25	25	25
28	55	40	35	25	---	---	---	---	25	25	25	25
29	55	45	50	40	---	---	---	---	25	25	25	25
30	---	---	50	45	---	---	20	10	---	---	95	25
31	---	---	---	---	20	20	35	10	---	---	90	50
MONTH	---	---	---	---	---	---	---	---	---	---	100	20
DAY	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	65	50	---	---	45	25	50	40	45	40	75	65
2	55	45	---	---	50	40	50	40	45	35	65	45
3	45	25	---	---	80	50	50	40	40	35	65	45
4	25	25	45	40	85	60	50	45	35	35	60	45
5	45	20	50	25	75	60	80	45	40	30	55	40
6	---	---	65	35	60	25	70	45	40	35	45	40
7	40	40	85	65	40	25	45	40	35	35	50	40
8	45	40	65	25	45	30	45	40	35	35	60	40
9	40	40	25	25	45	40	45	40	40	30	95	40
10	45	35	25	25	45	45	45	40	35	30	55	50
11	35	20	25	25	45	45	45	40	35	30	60	50
12	---	---	50	25	45	45	45	40	35	30	50	40
13	40	35	55	50	45	40	45	40	35	30	45	40
14	45	30	110	40	45	40	45	40	35	25	45	40
15	---	---	50	30	45	40	50	45	25	20	40	35
16	---	---	45	35	65	40	45	40	30	20	50	30
17	---	---	35	30	65	50	45	40	75	25	40	25
18	---	---	75	30	250	45	45	25	45	30	40	25
19	---	---	---	---	60	40	25	25	35	30	25	25
20	---	---	45	45	45	40	25	25	35	30	30	25
21	55	20	45	45	---	---	30	25	35	30	50	30
22	25	20	55	45	---	---	25	25	35	30	40	40
23	---	---	50	45	50	45	30	25	40	30	45	40
24	---	---	45	45	55	40	30	25	50	30	40	35
25	---	---	45	45	200	45	30	25	35	30	40	35
26	55	35	45	30	80	45	30	25	55	25	35	25
27	45	30	60	40	85	45	35	30	45	35	---	---
28	45	40	70	30	55	50	55	35	50	35	---	---
29	45	45	30	25	55	50	55	50	55	40	---	---
30	---	---	25	25	50	45	55	45	55	35	---	---
31	---	---	25	25	---	---	50	40	110	35	---	---
MONTH	---	---	110	25	250	25	80	25	110	20	95	25

02430000 MACKEYS CREEK NEAR DENNIS, MS--CONTINUED

DISSOLVED OXYGEN (DO), MG/L, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DAY	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	---	---	---	---	---	11.9	11.8	10.9	11.2	10.9	9.5	8.8
2	---	---	---	---	12.0	11.6	12.2	11.4	11.8	10.9	9.1	8.3
3	---	---	---	---	11.8	11.5	11.5	11.3	11.9	11.6	9.2	8.1
4	---	---	---	---	11.4	11.1	---	---	11.6	10.7	9.0	8.6
5	---	---	---	---	11.1	10.1	---	---	---	---	8.7	7.9
6	---	---	---	---	9.9	8.7	---	---	---	---	---	---
7	---	---	---	---	9.1	8.7	---	---	---	---	---	---
8	8.0	7.6	---	---	9.4	9.0	---	---	---	---	---	---
9	8.1	7.9	---	---	10.4	9.5	---	---	10.3	9.7	---	---
10	---	---	---	---	10.7	10.4	---	---	---	---	10.9	10.0
11	---	---	---	---	10.8	10.6	---	---	10.3	10.0	10.1	9.5
12	---	---	---	---	10.7	10.2	---	---	10.7	10.2	9.5	9.0
13	---	---	---	---	10.2	9.8	---	---	10.5	10.0	10.0	8.9
14	7.8	7.7	---	---	9.8	9.1	---	---	10.1	9.5	9.5	8.6
15	7.9	7.0	---	---	9.1	8.3	11.7	11.1	9.6	9.1	9.1	7.9
16	6.9	5.8	---	---	9.6	8.2	---	---	---	---	9.8	8.7
17	7.6	6.5	---	---	10.8	9.6	---	---	---	---	10.6	10.0
18	8.7	7.2	---	---	12.1	10.8	---	---	---	---	10.9	10.3
19	9.6	8.8	---	---	12.5	12.0	---	---	---	---	10.4	9.7
20	10.0	9.4	9.5	8.8	12.2	12.1	---	---	11.1	10.4	9.8	8.8
21	10.3	9.5	9.9	7.9	12.2	11.7	---	---	10.4	9.1	9.1	8.5
22	10.0	9.7	10.3	9.9	12.3	12.0	11.9	11.9	10.0	8.9	10.3	9.0
23	9.5	8.6	10.7	10.3	---	---	11.9	11.3	---	---	10.2	9.7
24	---	---	10.9	10.8	---	---	11.3	10.3	---	---	10.7	9.8
25	---	---	11.0	10.8	---	---	---	---	10.2	9.6	10.3	9.9
26	---	---	11.2	10.9	---	---	---	---	9.9	9.1	9.8	9.3
27	---	---	11.7	11.2	---	---	---	---	9.9	9.2	---	---
28	---	---	11.7	11.6	---	---	---	---	9.7	9.2	---	---
29	---	---	12.5	11.6	---	---	11.9	11.8	9.8	9.2	---	---
30	---	---	12.7	12.2	---	---	11.7	11.3	---	---	---	---
31	---	---	---	---	10.8	10.3	11.4	11.0	---	---	9.2	8.9
MONTH	---	---	---	---	---	---	---	---	---	---	---	---
DAY	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	10.1	9.0	---	---	8.1	7.7	7.5	7.3	7.4	7.2	---	---
2	10.2	9.5	---	---	8.8	7.7	7.5	7.4	7.7	7.4	7.9	7.7
3	9.6	9.1	---	---	9.0	8.7	7.5	7.1	7.9	7.6	7.9	7.7
4	9.2	8.6	9.6	9.2	9.0	8.6	7.2	7.0	8.0	7.5	7.8	7.5
5	9.5	8.7	9.6	9.0	8.9	8.7	7.5	7.3	7.7	7.2	7.6	7.4
6	---	8.4	9.1	8.4	8.8	8.6	7.3	6.9	7.4	7.1	7.7	7.5
7	9.0	8.5	8.8	8.0	8.5	8.2	8.0	6.8	7.4	7.2	7.7	7.5
8	8.9	8.4	9.3	8.9	8.4	7.8	8.0	7.6	7.6	7.3	7.7	7.5
9	9.3	8.5	9.2	8.8	8.1	7.9	7.7	7.1	8.0	7.6	7.6	7.4
10	9.5	8.9	9.2	8.6	8.0	7.6	7.2	6.8	8.2	7.6	8.2	7.5
11	9.3	8.8	8.8	8.4	7.8	7.5	6.9	6.6	8.1	7.2	8.9	8.4
12	8.8	8.4	8.4	8.1	7.6	7.3	6.8	6.4	7.6	7.0	9.0	8.6
13	8.7	7.9	8.4	7.9	7.5	7.2	6.6	6.1	7.3	6.8	8.8	8.4
14	7.9	7.4	8.5	7.5	7.5	7.3	6.9	6.3	7.2	6.7	8.6	8.0
15	7.9	7.5	7.7	6.5	7.6	7.4	6.8	6.3	7.1	6.6	8.3	7.5
16	7.5	7.2	8.0	7.4	7.6	7.5	6.6	6.4	6.9	6.7	8.6	7.6
17	7.5	7.1	7.5	7.2	8.0	7.6	6.6	6.4	7.0	6.7	8.5	8.2
18	7.5	7.0	7.4	7.0	7.9	7.4	6.8	6.5	7.7	6.4	8.4	8.1
19	7.4	7.0	7.5	7.1	7.5	7.1	6.9	6.6	8.0	7.5	8.3	8.1
20	7.3	7.0	8.6	8.2	7.8	7.4	6.9	6.3	8.1	7.5	8.4	8.1
21	7.2	6.9	8.8	8.2	---	---	6.6	6.2	8.0	7.4	8.3	7.9
22	---	---	8.5	7.8	---	---	6.4	6.0	7.9	7.2	9.0	7.1
23	---	---	8.4	7.7	7.7	7.4	6.2	5.9	7.6	7.0	9.5	9.0
24	---	---	8.8	8.1	7.4	7.1	---	---	7.3	6.5	10.1	9.5
25	---	---	8.9	8.4	7.4	6.9	---	---	---	7.0	9.8	9.4
26	9.3	9.0	9.1	8.3	7.7	7.3	---	---	---	---	---	---
27	9.7	9.3	9.1	8.7	7.8	7.5	7.8	6.5	---	---	---	---
28	9.6	9.1	8.9	8.4	7.8	7.2	7.6	7.0	---	---	---	---
29	9.4	8.9	8.6	8.2	7.4	7.2	7.2	6.8	---	---	---	---
30	---	---	8.3	7.9	7.4	7.0	7.2	7.0	---	---	---	---
31	---	---	8.1	7.5	---	---	7.3	7.0	---	---	---	---
MONTH	10.2	6.9	9.6	6.5	9.0	6.9	8.0	5.9	---	6.4	10.1	7.1

MOBILE RIVER BASIN

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., Chicasaw 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 good.

EXTREMES FOR CURRENT PERIOD.--June to September 1975: Maximum discharge during period, 287 ft³/s (8.13 m³/s) July 23, gage height, 7.99 ft (2.435 m), no peak above base of 350 ft³/s (9.91 m³/s); minimum, 4.0 ft³/s (0.11 m³/s) Sept. 4, 5, gage height, 3.57 ft (1.088 m).

Water year 1976: 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) based on logarithmic plotting:

Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)	Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
Oct. 17	0230	466 13.2	9.85 3.002	Aug. 25	2145	429 12.1	9.48 2.890
Feb. 18	1215	*524 14.8	10.39 3.167				

Minimum discharge, 2.8 ft³/2 (0.079 m³/s) Aug. 25, gage height, 3.43 ft (1.045 m).

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2									---	7.3	121	4.9
3									---	7.3	38	4.7
4									---	7.0	26	4.7
5									---	7.0	31	4.3
6									---	7.0	30	6.0
7									---	25	21	35
8									---	35	16	15
9									---	20	15	9.3
10									---	20	15	8.0
11									76	40	13	7.5
12									115	20	13	7.5
13									84	15	11	24
14									39	12	9.9	13
15									33	14	9.1	8.8
16									63	11	9.6	8.0
17									31	10	11	7.8
18									24	9.9	13	24
19									19	9.1	12	15
20									16	8.5	12	11
21									15	18	9.9	12
22									14	15	8.2	9.6
23									13	11	7.5	9.9
24									11	25	7.5	23
25									9.8	15	6.9	30
26									9.3	50	6.4	17
27									9.8	20	5.6	14
28									9.1	15	5.6	12
29									9.1	13	5.4	10
30									9.2	10	5.4	9.6
31									8.1	15	5.4	9.1
TOTAL									---	18	5.3	---
MEAN									---	510.1	505.7	374.7
MAX									---	16.5	16.3	12.5
MIN									---	50	121	35
CFSM									---	7.0	5.3	4.3
IN.									---	1.06	1.05	.81
									---	1.22	1.21	.90

MOBILE RIVER BASIN
02430085 RED BUD CREEK NEAR MOORES MILL, MS--Continued

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DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	26	15	36	32	28	25	50	21	16	8.2	6.2	33
2	15	15	30	79	24	24	40	17	18	7.1	5.1	15
3	12	14	26	144	22	24	33	15	18	6.6	4.3	10
4	11	15	23	60	21	23	30	14	70	7.8	4.2	11
5	11	60	22	43	48	48	28	13	45	11	4.2	9.0
6	11	30	22	35	96	48	25	13	23	12	4.2	8.0
7	14	25	21	64	45	36	25	15	17	8.0	4.2	7.0
8	17	23	19	45	37	61	24	14	15	6.6	4.2	7.0
9	12	21	20	35	30	80	24	12	13	6.0	3.9	8.0
10	11	19	17	33	29	51	22	12	12	5.6	3.5	8.0
11	11	50	17	54	29	40	36	15	11	5.3	3.4	7.0
12	13	22	16	40	27	52	38	12	9.9	5.1	3.2	6.0
13	11	20	16	78	25	40	26	13	9.0	9.3	3.2	6.0
14	11	19	16	64	24	35	32	149	8.5	9.3	3.2	5.5
15	11	18	25	45	23	35	29	66	7.8	12	4.2	5.5
16	37	18	28	39	23	34	25	54	12	8.7	5.1	5.1
17	200	17	20	32	23	30	22	36	11	6.9	4.3	5.6
18	50	18	17	29	246	29	20	27	9.6	6.0	3.7	5.3
19	35	17	17	27	88	28	19	21	24	5.3	3.5	5.5
20	25	43	17	29	54	40	21	18	15	4.7	3.2	5.5
21	22	29	17	26	78	150	23	16	11	4.5	3.1	5.3
22	19	23	16	25	55	50	19	15	9.3	4.7	3.1	4.5
23	18	21	16	24	43	35	17	14	8.5	4.2	2.9	4.3
24	17	20	16	24	38	30	18	12	8.5	4.5	2.8	4.2
25	21	19	106	52	34	30	31	11	11	4.2	38	4.9
26	30	39	70	48	32	40	19	11	11	3.9	34	4.3
27	20	39	41	33	29	40	17	14	13	5.3	11	6.9
28	18	28	33	31	28	35	16	38	12	9.0	8.0	6.2
29	17	25	30	29	27	50	15	22	8.7	6.0	8.2	6.0
30	16	45	31	27	---	120	19	16	11	6.4	9.3	4.0
31	16	---	43	26	---	130	---	14	---	6.0	12	---
TOTAL	760	767	844	1352	1356	1613	763	740	468.8	210.2	213.4	223.6
MEAN	24.5	25.6	27.2	43.6	46.8	52.0	25.4	23.9	15.6	6.78	6.88	7.45
MAX	200	60	106	144	246	150	50	149	70	12	38	33
MIN	11	14	16	24	21	23	15	11	7.8	3.9	2.8	4.0
CFSM	1.58	1.65	1.75	2.81	3.02	3.35	1.64	1.54	1.01	.44	.44	.48
IN.	1.82	1.84	2.03	3.24	3.25	3.97	1.83	1.78	1.13	.50	.51	.54

WTR YR 1976 TOTAL 9311.0 MEAN 25.4 MAX 296 MIN 2.8 CFSM 1.64 IN 22.34

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.

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

REMARKS.--Records good.

EXTREMES FOR CURRENT PERIOD.--June to September 1975: Maximum discharge during period, 241 ft³/s (6.83 m³/s) from rating curve extended above 175 ft³/s (4.96 m³/s) based on logarithmic plotting, July 25, gage height, 8.65 ft (2.637 m), no peak above base of 250 ft³/s (7.08 m³/s), minimum 8.0 ft³/s (0.23 m³/s) Sept. 3, gage height, 4.20 ft (1.280 m).

Water year 1976: Peak discharges above base of 250 ft³/s (7.08 m³/s) and maximum (*), from rating curve extended above 175 ft³/s (4.96 m³/s) based on logarithmic plotting:

Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)	Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
Oct. 17	0430	262 7.42	8.91 2.716	Mar. 21	0015	*295 8.35	9.28 2.829

Minimum discharge, 5.2 ft³/s (0.15 m³/s) Aug. 20, 21, 22, 23, 24, 25, gage height, 3.79 ft (1.156 m).

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1									---	11	105	9.9
2									---	10	22	9.7
3									---	10	18	9.3
4									---	10	59	8.9
5									---	9.6	41	24
6									---	22	21	70
7									---	30	16	24
8									---	18	14	15
9									---	14	14	13
10									81	33	14	12
11									57	17	13	13
12									47	14	13	30
13									18	13	12	17
14									17	14	11	14
15									23	12	12	13
16									15	11	50	13
17									14	12	38	28
18									16	11	23	18
19									18	11	17	15
20									14	22	15	17
21									14	15	13	14
22									14	12	12	15
23									13	26	12	28
24									12	16	12	32
25									12	126	12	17
26									12	24	10	15
27									12	21	10	14
28									12	14	10	13
29									12	13	10	13
30									11	12	10	13
31									---	15	10	---
TOTAL									---	602.6	649	547.8
MEAN									---	19.4	20.9	18.3
MAX									---	126	105	70
MIN									---	9.6	10	8.9
CFSM									---	1.75	1.88	1.65
IN.									---	2.02	2.17	1.84

02430615 MUD CREEK NEAR FAIRVIEW, MS--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	32	12	26	25	18	17	35	19	16	8.5	7.3	16
2	17	12	22	45	16	17	28	15	17	7.9	6.7	9.6
3	14	12	19	90	15	17	25	15	17	7.7	6.6	9.0
4	14	12	17	35	15	17	23	14	60	9.3	6.5	9.6
5	14	12	16	25	46	82	21	14	40	9.0	6.4	9.0
6	15	71	16	20	61	30	20	14	20	8.0	6.2	8.0
7	16	32	15	30	25	23	19	15	15	7.7	6.4	7.5
8	20	17	14	19	23	45	19	14	12	7.4	6.1	7.5
9	15	17	15	18	21	43	18	13	11	7.3	6.0	8.0
10	14	17	14	17	20	25	17	13	10	7.0	6.0	9.0
11	14	16	14	35	20	22	30	14	9.0	6.9	5.9	8.5
12	16	44	13	21	19	33	32	12	9.5	6.7	5.9	8.0
13	14	18	13	41	18	23	19	16	8.5	19	5.8	7.5
14	14	16	13	27	17	21	25	112	8.0	12	5.8	6.6
15	14	16	18	20	17	23	20	40	7.5	9.0	6.1	6.5
16	41	15	20	19	16	22	17	34	11	8.2	6.5	6.4
17	154	15	15	18	16	19	16	20	10	7.7	6.1	6.5
18	27	15	15	17	145	18	16	16	9.0	7.3	5.9	6.6
19	18	14	14	17	34	18	15	14	20	7.0	5.8	7.0
20	16	38	14	19	24	53	16	13	14	6.9	5.6	7.3
21	14	20	14	17	53	120	16	12	11	7.3	5.6	7.0
22	13	16	13	17	27	33	15	12	9.3	7.2	5.8	6.6
23	14	16	13	16	23	25	14	11	9.3	6.9	5.8	6.5
24	14	15	13	17	21	22	16	11	8.6	6.9	5.6	6.4
25	17	15	80	40	20	22	30	11	9.3	6.7	32	6.4
26	23	34	50	27	19	29	16	11	13	6.5	21	6.2
27	15	28	35	19	18	67	15	13	13	6.5	8.2	8.0
28	14	18	30	17	18	26	15	44	9.6	9.0	7.0	7.0
29	13	17	25	17	17	33	14	18	8.5	8.0	10	6.5
30	12	33	23	16	---	78	19	14	12	7.9	9.1	6.2
31	11	---	30	16	---	83	---	13	---	7.4	13	---
TOTAL	659	633	649	777	802	1106	601	607	428.1	250.8	246.7	230.9
MFAN	21.3	21.1	20.9	25.1	27.7	35.7	20.0	19.6	14.3	8.09	7.96	7.70
MAX	154	71	80	90	145	120	35	112	60	19	32	16
MIN	11	12	13	16	15	17	14	11	7.5	6.5	5.6	6.2
CFSM	1.92	1.90	1.88	2.26	2.50	3.22	1.80	1.77	1.29	.73	.72	.69
IN.	2.21	2.12	2.17	2.60	2.69	3.71	2.01	2.03	1.43	.84	.83	.77

WTR YR 1976 TOTAL 6990.5 MEAN 19.1 MAX 154 MIN 5.6 CFSM 1.72 IN 23.43

MOBILE RIVER BASIN

02431000 TOMBIGBEE RIVER NEAR FULTON, MS

LOCATION.--Lat 34°15'55", 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) above mean sea level. 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 fair.

AVERAGE DISCHARGE.--48 years, 939 ft³/s (26.59 m³/s), 20.84 in/yr (529 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 and by logarithmic plotting; 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, 1950.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 6,600 ft³/s (187 m³/s) Feb. 19, gage height, 17.23 ft (5.252 m), no peak above base of 8,000 ft³/s (227 m³/s); minimum observed, 92 ft³/s (2.61 m³/s) Aug. 14, gage height, 6.27 ft (1.911 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	479	507	1410	1370	862	773	5490	472	608	883	237	339
2	579	465	1490	1340	776	702	3680	450	824	608	204	343
3	534	430	1220	3410	712	651	2600	436	1330	429	191	366
4	456	405	1110	4560	677	632	1960	405	1140	371	173	345
5	396	380	1050	2840	891	956	1430	377	904	391	150	303
6	356	774	934	2040	1660	2120	1140	364	770	399	134	301
7	336	1210	904	1710	2150	2170	988	360	661	402	120	266
8	394	1220	904	2270	1900	1840	862	450	563	342	109	227
9	437	1550	808	2020	1560	2590	811	430	483	290	102	208
10	380	2020	718	1480	1210	2900	766	388	409	240	97	321
11	344	1650	638	1290	1030	2360	741	401	342	202	96	339
12	324	1190	564	1610	939	1920	904	420	283	172	94	266
13	314	1020	511	1610	888	1940	917	395	240	162	94	214
14	308	904	475	2160	827	1770	907	890	208	346	92	174
15	303	821	545	2140	754	1500	1000	2000	179	493	109	148
16	312	739	869	1800	686	1330	930	2690	172	650	130	133
17	1780	667	811	1460	645	1120	824	2670	304	445	146	122
18	5640	597	680	1160	2400	910	741	2070	346	304	141	116
19	4840	542	584	1030	5800	776	693	1400	570	245	127	125
20	3300	560	534	936	3710	824	600	1100	709	214	124	167
21	2380	774	497	856	3020	3230	542	942	638	197	116	162
22	1390	811	458	782	3150	4340	514	824	553	204	112	148
23	1030	742	444	725	2490	3060	616	712	464	179	109	130
24	808	722	427	686	1970	2280	584	613	380	158	97	105
25	696	662	694	824	1580	1680	720	521	336	144	104	96
26	632	611	1850	1600	1230	1370	773	447	422	149	247	98
27	597	1070	2570	1920	1050	2250	674	413	563	180	368	102
28	576	1300	2270	1590	933	2940	584	731	856	178	318	249
29	570	1070	1840	1280	850	2390	486	1240	880	286	227	273
30	563	1040	1410	1070	---	4190	458	1050	830	269	184	210
31	542	---	1250	952	---	5800	---	784	---	298	195	---
TOTAL	31596	26453	30469	50521	46350	63314	33935	26445	16967	9830	4747	6396
MEAN	1019	882	983	1630	1598	2042	1131	853	566	317	153	213
MAX	5640	2020	2570	4560	5800	5800	5490	2690	1330	883	368	366
MIN	303	380	427	686	645	632	458	360	172	144	92	96
CFSM	1.67	1.44	1.61	2.66	2.61	3.34	1.85	1.39	.92	.52	.25	.35
IN.	1.92	1.61	1.85	3.07	2.82	3.85	2.06	1.61	1.03	.60	.29	.39

CAL YR 1975 TOTAL 562904 MEAN 1542 MAX 37600 MIN 136 CFSM 2.52 IN 34.22
WTR YR 1976 TOTAL 347023 MEAN 948 MAX 5800 MIN 92 CFSM 1.55 IN 21.09

02431000 TOMBIGBEE RIVER NEAR FULTON, MS--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.31	9.55	14.56	14.51	---	11.58	16.79	9.30	---	11.97	7.62	8.34
2	10.02	9.25	14.76	14.41	---	11.14	16.42	9.14	---	10.23	7.37	8.38
3	---	9.00	14.02	16.23	---	---	15.89	9.04	---	8.99	7.26	8.54
4	---	8.82	13.52	16.95	---	---	15.22	8.82	---	8.58	7.11	8.39
5	---	8.64	13.24	16.38	---	---	14.31	8.62	---	8.72	---	8.09
6	---	11.29	12.59	15.62	15.02	15.70	13.42	8.53	---	8.78	---	8.08
7	---	13.70	12.40	15.18	15.73	15.77	12.60	8.50	---	8.80	---	7.82
8	8.60	13.72	---	15.88	15.45	15.37	11.84	9.14	---	8.37	---	7.55
9	---	14.60	---	15.60	14.90	16.14	11.52	9.00	---	---	---	7.40
10	---	15.31	---	14.76	13.97	16.41	11.24	8.70	---	---	---	8.21
11	---	14.75	---	14.28	---	15.45	11.08	8.79	---	---	---	8.35
12	---	13.64	---	15.02	---	15.46	12.10	8.93	---	---	---	7.82
13	---	---	9.88	15.01	12.30	15.50	12.18	8.75	---	---	---	7.45
14	---	---	9.62	15.76	11.92	15.26	12.12	11.51	---	8.40	---	---
15	---	---	10.12	15.72	11.46	14.79	12.68	15.25	---	9.45	---	---
16	---	---	12.18	15.32	11.04	14.38	12.26	15.96	---	10.51	6.70	---
17	13.90	---	11.82	14.69	10.78	13.60	11.60	15.94	---	9.09	6.85	---
18	16.81	---	11.00	13.82	15.09	12.44	11.08	15.35	---	8.09	6.80	---
19	16.70	9.80	10.40	---	17.13	11.60	10.78	14.22	---	7.68	6.67	---
20	16.31	9.93	10.04	---	16.75	11.90	10.20	---	---	7.45	6.64	7.06
21	15.67	11.29	9.78	---	16.48	16.07	9.80	---	---	7.31	6.55	7.02
22	14.25	11.52	9.50	11.64	16.54	16.41	9.60	---	---	7.37	6.51	6.88
23	12.84	11.09	9.40	11.28	16.07	16.48	10.30	---	9.23	---	6.48	6.70
24	---	11.96	9.28	11.04	15.53	15.47	10.10	---	8.64	---	---	6.43
25	---	10.59	11.09	11.90	14.93	15.12	10.95	---	8.33	---	6.42	6.32
26	10.40	10.27	15.26	14.82	14.04	14.49	11.28	---	8.94	---	7.66	6.35
27	10.18	12.88	16.16	15.48	13.22	15.53	10.66	---	9.95	7.17	8.56	6.40
28	10.04	14.12	15.88	14.97	12.58	16.42	10.10	---	11.80	7.15	8.20	7.71
29	10.00	13.20	15.36	14.21	12.06	15.99	9.40	---	11.95	7.97	7.55	7.88
30	9.95	13.02	14.57	---	---	16.51	9.20	---	11.64	7.85	7.20	7.42
31	9.80	---	14.11	---	---	16.82	---	---	---	8.06	7.29	---
MEAN	---	---	---	---	---	---	11.89	---	---	---	---	---
MAX	---	---	---	---	---	---	16.79	---	---	---	---	---
MIN	---	---	---	---	---	---	9.20	---	---	---	---	---

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.

REVISIONS.--The following parameters for July 9, 1975, (1800 hours) have been deleted due to anomalies in determinations, superseding figures previously published.

Color	Total Kjeldahl Nitrogen as N
Turbidity	Total Nitrogen as N
Total Nitrate as N	Total Nitrogen as NO ₃
Total Nitrite as N	Total Phosphorus as P
Total Nitrite + Nitrate as N	Total Iron
Total Ammonia as N	Total Organic Phosphorus as P
Total Organic Nitrogen as N	

WATER QUALITY DATA, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	SPECIFIC CONDUCTANCE (MICRO-MOS)	PH (UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COALT UNITS)	TURBIDITY (JTU)	DISSOLVED OXYGEN (MG/L)	CHEMICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L)	BIOCHEMICAL OXYGEN DEMAND 5 DAY (MG/L)	IMMEDIATE COLIFORM (COL. PER 100 ML)	FECAL COLIFORM (COL. PER 100 ML)
OCT 01...	1600	471	48	6.8	19.5	65	35	8.6	10	1.8	4300	560
JAN 20...	1000	664	53	7.5	2.0	50	20	7.8	6	2.2	1014	880
MAR 30...	1630	4990	120	6.5	18.0	150	260	7.6	20	4.0	813200	7500
JUL 13...	1500	150	70	6.6	29.5	70	15	7.4	22	3.9	730	200

DATE	HAZARDOUS WASTE (MG/L)	NON-CARBONATE HARDNESS (MG/L)	DISSOLVED CALCIUM (CA) (MG/L)	TOTAL MAGNESIUM (MG/L)	DISSOLVED MAGNESIUM (MG/L)	BICARBONATE (HCO ₃) (MG/L)	CARBONATE (CO ₃) (MG/L)	ALKALINITY AS CaCO ₃ (MG/L)	DISSOLVED SULFATE (SO ₄) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DISSOLVED SOLIDS (TONS PER AC-FT)
OCT 01...	25	8	8.2	.6	1.0	20	0	16	5.8	2.5	48	.07
JAN 20...	32	7	11	1.0	1.0	30	0	25	7.7	3.0	45	.06
MAR 30...	52	3	19	2.7	1.2	60	0	49	5.4	2.4	72	.10
JUL 13...	25	0	8.0	.8	1.2	30	0	25	3.2	3.0	68	.09

DATE	DISSOLVED SOLIDS (TONS PER DAY)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRATE PLUS NITRITE (N) (MG/L)	TOTAL AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL NITROGEN GEN (NO ₃) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	DISSOLVED PHOSPHORUS (P) (MG/L)	TOTAL ARSENIC (AS) (UG/L)
OCT 01...	61.0	.07	.01	.08	.02	.23	.25	.33	1.5	.06	.03	2
JAN 20...	80.7	.12	.01	.13	.04	.00	.04	.17	.75	.05	.01	1
MAR 30...	968	.00	.13	.13	.09	1.2	1.3	1.4	6.3	.36	.01	4
JUL 13...	27.5	.12	.01	.13	.10	.77	.87	1.0	4.4	.04	.01	2

DATE	TOTAL CADMIUM (CD) (UG/L)	TOTAL CHROMIUM (CR) (UG/L)	HEXAVALENT CHROMIUM (CR6) (UG/L)	TOTAL COPPER (CU) (UG/L)	TOTAL IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	TOTAL MANGANESE (MN) (UG/L)	TOTAL MERCURY (HG) (UG/L)	TOTAL SELENIUM (SE) (UG/L)	TOTAL ZINC (ZN) (UG/L)	TOTAL ORGANIC CARBON (C) (MG/L)	PHENOLS (UG/L)
OCT 01...	2	20	0	8	3100	10	150	.0	1	20	5.2	2
JAN 20...	0	10	0	9	1700	8	70	.5	0	20	2.8	5
MAR 30...	3	<10	0	11	16000	18	150	.0	0	80	11	0
JUL 13...	2	20	0	6	2300	22	190	.2	0	30	6.6	1

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) above mean sea level, datum of 1929 (levels by Corps of Engineers). Prior to July 22, 1949, staff gage at same site and datum.

REMARKS.--Records fair, 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 (0.130 m³/s) Sept. 13, 1954, gage height, 1.78 ft (0.542 m).

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 7.52 ft (2.292 m) Oct. 17, 18, discharge not determined; minimum discharge, 19 ft³/s (0.538 m³/s) Aug. 24, gage height, 2.10 ft (0.640 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	181	108	---	---	180	179	---	130	120	60	43	150
2	169	102	---	---	152	170	---	100	142	54	40	100
3	117	94	---	---	144	150	---	84	133	50	37	90
4	100	94	---	---	138	140	---	76	119	47	35	---
5	91	92	200	---	146	---	---	70	---	70	32	190
6	87	200	180	---	---	---	---	65	138	66	30	150
7	114	---	160	---	---	---	191	80	106	54	28	100
8	180	---	150	---	---	---	179	72	91	45	27	70
9	139	---	140	---	---	---	164	70	82	40	27	56
10	114	---	170	159	---	---	156	66	75	37	26	80
11	102	---	127	---	144	---	150	74	69	35	26	60
12	94	---	124	---	182	---	---	72	65	34	25	50
13	89	---	120	---	172	---	168	70	61	33	24	45
14	85	---	116	---	163	---	161	---	57	60	24	42
15	82	---	119	---	156	---	168	---	54	50	24	39
16	86	200	174	---	152	---	149	---	53	50	28	38
17	---	170	157	---	150	---	137	---	56	90	31	36
18	---	150	134	150	---	---	127	200	55	50	26	33
19	---	140	126	176	---	---	119	145	84	40	23	32
20	---	130	124	172	---	---	114	125	109	34	22	31
21	---	---	124	168	---	---	109	112	75	40	21	32
22	196	---	118	160	---	---	103	101	63	30	20	34
23	160	170	115	154	---	---	96	94	57	45	20	33
24	140	150	112	151	---	---	92	89	54	35	20	30
25	130	140	157	158	---	---	180	84	53	30	21	28
26	180	130	---	---	---	---	150	77	50	28	41	27
27	---	---	---	---	193	---	110	77	80	28	58	27
28	160	---	---	150	181	---	90	114	130	70	35	35
29	130	180	199	180	172	---	80	151	100	50	34	90
30	120	160	191	172	---	---	78	112	70	90	77	50
31	110	---	---	164	---	---	---	95	---	50	54	---
TOTAL	---	---	---	---	---	---	---	---	---	1495	979	---
MEAN	---	---	---	---	---	---	---	---	---	48.2	31.6	---
MAX	---	---	---	---	---	---	---	---	---	90	77	---
MIN	---	---	---	---	---	---	---	---	---	28	20	---
CFSM	---	---	---	---	---	---	---	---	---	.40	.26	---
IN.	---	---	---	---	---	---	---	---	---	.46	.30	---

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).

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) above mean sea level (levels by Corps of Engineers). Prior to Oct. 15, 1948, nonrecording gage at same site and datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--36 years, 563 ft³/s (15.94 m³/s), 22.76 in/yr (578 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.--Maximum discharge, 4,660 ft³/s (132 m³/s) Oct. 19, gage height, 11.53 ft (3.514 m), no peak above base of 5,000 ft³/s (142 m³/s); minimum, 63 ft³/s (1.78 m³/s) Aug. 25, gage height, 2.57 ft (0.783 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	521	370	650	984	511	551	2330	305	308	189	137	749
2	632	356	947	1000	490	516	2510	348	498	186	125	698
3	542	338	851	1260	458	485	1930	306	518	168	120	617
4	360	324	672	1570	427	463	1180	263	423	161	110	991
5	301	312	582	1960	475	711	930	240	1020	157	102	348
6	274	521	524	1770	1580	1220	797	229	1070	171	99	463
7	269	991	490	1150	1800	1510	698	222	753	177	96	310
8	416	1160	450	1070	1920	1400	620	224	414	171	94	224
9	529	1030	440	1000	1210	1310	554	227	330	137	92	195
10	403	780	420	787	885	1290	498	216	279	124	88	208
11	338	773	400	749	749	1230	463	219	246	117	85	208
12	296	770	380	879	676	1010	521	224	222	111	84	177
13	265	930	366	947	617	1090	692	227	206	107	81	144
14	256	1100	356	953	565	1050	554	475	194	136	79	135
15	243	855	358	1080	526	953	534	1060	175	135	78	129
16	260	672	480	977	492	1080	524	1460	170	137	80	122
17	1830	579	545	821	477	1020	446	1500	172	251	120	113
18	2570	513	453	701	1030	858	403	1050	178	170	100	107
19	4260	468	392	611	1530	740	370	701	216	132	86	102
20	2710	465	366	568	2950	682	346	451	338	111	76	100
21	1390	623	360	554	3200	1460	330	379	358	106	70	102
22	814	743	352	524	2030	1660	318	333	234	99	66	108
23	626	599	336	490	1610	3280	297	304	192	123	65	106
24	529	511	328	470	1350	2490	279	278	174	108	64	96
25	468	475	492	495	987	1240	312	256	164	94	64	88
26	576	441	1100	807	828	967	460	237	158	89	143	86
27	650	518	1300	970	730	1480	382	230	178	94	128	85
28	570	711	1260	777	653	1550	312	316	354	224	146	110
29	470	666	855	638	596	1790	285	518	248	197	126	238
30	416	551	730	584	---	1710	274	492	191	251	168	151
31	386	---	817	542	---	2250	---	346	---	157	158	---
TOTAL	24170	19145	18062	27688	31352	39046	20149	13636	9981	4590	3130	7310
MEAN	780	638	583	893	1081	1260	672	440	333	148	101	244
MAX	4260	1160	1300	1960	3200	3280	2510	1500	1070	251	168	991
MIN	243	312	328	470	427	463	274	216	158	89	64	85
CFSM	2.32	1.90	1.74	2.66	3.22	3.75	2.00	1.31	.99	.44	.30	.73
IN.	2.68	2.12	2.00	3.07	3.47	4.32	2.23	1.51	1.11	.51	.35	.81

CAL YR 1975 TOTAL 333234 MEAN 913 MAX 23200 MIN 120 CFSM 2.72 IN 36.89
WTR YR 1976 TOTAL 218259 MEAN 596 MAX 4260 MIN 64 CFSM 1.77 IN 24.16

02433500 TOMBIGBEE RIVER AT BIGBEE, MS

LOCATION.--Lat 34°00'40", 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, and 3.7 mi (6.0 km) upstream from Town Creek.

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) above mean sea level (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 good.

COOPERATION.--Gage-height record and 8 discharge measurements furnished by Corps of Engineers.

AVERAGE DISCHARGE.--23 years, 2,120 ft³/s (60.04 m³/s), 23.48 in/yr (596 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.--Maximum discharge, 9,620 ft³/s (272 m³/s) Feb. 22, gage height, 14.40 (4.389 m), no peak above base of 12,000 ft³/s (340 m³/s); minimum daily, 170 ft³/s (4.81 m³/s).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1460	1300	2770	3660	2280	2190	8940	1050	1680	1360	530	1220
2	1850	1200	2940	3490	1990	1980	9110	1120	2020	1360	451	1890
3	1700	1130	2920	5000	1800	1830	8180	1090	1980	952	396	1320
4	1290	1080	2750	4840	1660	1730	6510	946	1860	695	363	2050
5	1080	1050	2520	7140	1590	2520	4990	850	2360	646	333	1020
6	964	1460	2250	8100	4830	4220	3870	778	2640	685	300	1080
7	928	2800	2070	6840	5050	3840	3110	749	2170	705	290	850
8	1030	2960	1930	5550	4840	4430	2670	784	1540	655	278	628
9	1260	2920	1840	4470	4780	5020	2300	880	1210	570	275	530
10	1170	2670	1680	3850	3880	4870	2020	808	1000	505	251	615
11	1020	2670	1560	3740	3360	5470	1800	716	874	472	227	711
12	910	3020	1460	3470	2900	5610	1780	820	749	436	215	606
13	844	2940	1380	3520	2460	5200	2040	832	680	412	206	476
14	784	2760	1330	3450	2190	4460	2040	1910	633	422	203	399
15	749	2560	1310	3580	2000	4020	1920	3280	598	494	200	356
16	808	2020	1520	3820	1860	4110	1980	3790	578	910	200	323
17	4600	1760	1850	3720	1850	3710	1780	4200	610	1180	212	307
18	5610	1570	1850	3480	4260	3190	1610	4200	711	733	236	284
19	6750	1440	1610	3060	4950	2810	1470	3910	826	562	245	275
20	8270	1450	1500	2620	6740	2540	1350	3340	1080	451	212	369
21	7720	1900	1420	2300	9360	4440	1250	2560	1380	402	200	373
22	5950	2120	1360	2110	8530	5210	1180	1780	1200	382	190	356
23	4390	1900	1270	1920	7230	8240	1160	1290	988	389	180	316
24	3370	1700	1210	1810	6510	8990	1050	1080	790	376	170	284
25	2360	1600	1670	1850	5330	7020	1110	982	665	340	190	260
26	1930	1500	4050	2600	4170	5120	1380	886	680	316	449	248
27	2000	2240	3420	2820	3470	5250	1430	820	856	323	660	236
28	1920	2450	3970	3070	2910	4970	1190	1060	1470	454	619	260
29	1690	2500	4020	3110	2480	5580	1070	1800	1570	624	494	530
30	1550	2390	4030	2970	---	6180	1000	2170	1440	670	472	530
31	1430	---	4070	2650	---	7630	---	1930	---	578	419	---
TOTAL	77387	61060	69530	114650	115260	142420	81290	52411	36838	19059	9666	18702
MEAN	2496	2035	2243	3698	3974	4594	2710	1691	1228	615	312	623
MAX	8270	3020	4070	8100	9360	8990	9110	4200	2640	1360	660	2050
MIN	749	1050	1210	1810	1590	1730	1000	716	578	316	170	236
CFSM	2.04	1.66	1.83	3.02	3.24	3.75	2.21	1.38	1.00	.50	.25	.51
IN.	2.35	1.85	2.11	3.48	3.50	4.32	2.47	1.59	1.12	.58	.29	.57
CAL YR 1975 TOTAL	1227808	MEAN	3364	MAX	62900	MIN	399	CFSM	2.74	IN	37.25	
WTR YR 1976 TOTAL	798273	MEAN	2181	MAX	9360	MIN	170	CFSM	1.78	IN	24.22	

MOBILE RIVER BASIN

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) above mean sea level.

REMARKS.--Records fair. Discharge includes flow of Kings Creek.

AVERAGE DISCHARGE.--6 years, 531 ft³/s (15.04 m³/s), 31.35 in/yr (796 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 22,400 ft³/s (634 m³/s) Mar. 16, 1973, gage height, 27.05 ft (8.245 m); minimum, 2.3 ft³/s (0.065 m³/s) Oct. 4-5, 1971, gage height, 2.72 ft (0.829 m).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 8,650 ft³/s (245 m³/s), Jan. 3, gage height, 24.40 ft (7.437 m), only peak above base of 8,000 ft³/s (227 m³/s); minimum, 4.6 ft³/s (0.13 m³/s) Aug. 22, 25, gage height, 2.69 ft (0.820 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	83	47	1030	438	160	162	835	57	130	30	15	120
2	94	59	277	6740	138	145	554	55	927	23	10	385
3	40	42	196	8830	130	136	427	55	346	20	7.9	159
4	30	44	160	1770	128	125	354	53	234	21	6.8	55
5	26	44	139	579	767	1820	302	53	172	36	6.4	139
6	25	1360	267	404	4210	1230	268	51	135	25	6.8	40
7	32	851	461	941	570	413	213	49	100	20	6.4	18
8	33	268	207	941	311	810	193	46	70	16	5.9	13
9	25	305	163	319	245	3660	165	44	49	14	5.4	242
10	25	395	135	257	222	837	157	42	40	16	5.4	51
11	22	206	125	521	201	476	147	40	40	15	6.3	18
12	20	151	122	640	180	650	169	38	40	12	5.4	12
13	22	111	115	759	162	563	142	228	35	20	5.4	9.5
14	20	92	112	1900	144	341	142	1040	26	16	5.4	7.9
15	18	81	115	455	135	302	130	868	25	13	6.8	7.3
16	72	77	296	340	131	322	120	484	145	11	18	6.8
17	5260	70	156	257	136	238	107	256	81	10	22	7.3
18	1630	68	125	211	5830	200	92	148	144	9.5	9.5	6.8
19	262	66	114	193	2210	122	81	100	381	8.7	5.8	8.7
20	148	112	106	178	517	517	72	80	106	7.9	5.9	7.9
21	99	138	92	174	1520	6860	118	70	47	7.9	5.9	7.9
22	77	94	94	165	1340	1510	79	60	32	9.5	5.4	8.7
23	66	81	64	151	473	392	77	50	28	11	5.9	7.3
24	59	79	77	142	350	224	79	45	36	8.7	6.4	6.8
25	59	75	1160	619	294	257	211	40	38	7.3	284	6.8
26	130	218	2980	2130	257	523	101	35	40	6.8	445	6.8
27	101	1200	490	425	211	6200	79	32	145	11	13	11
28	77	248	286	279	186	1330	66	491	139	9.5	8.7	23
29	66	163	221	238	169	1160	61	342	38	18	14	13
30	57	562	239	200	---	3240	59	186	29	77	13	12
31	51	---	637	175	---	2570	---	128	---	30	7.9	---
TOTAL	8729	7307	10761	31371	21327	37335	5600	5266	3798	540.8	975.7	1417.5
MEAN	282	244	347	1012	735	1204	187	170	127	17.4	31.5	47.3
MAX	5260	1360	2980	8830	5830	6860	835	1040	927	77	445	385
MIN	18	42	64	142	128	122	59	32	25	6.8	5.4	6.8
CFSM	1.23	1.06	1.51	4.40	3.20	5.23	.81	.74	.55	.08	.14	.21
IN.	1.41	1.18	1.74	5.07	3.45	6.04	.91	.85	.61	.09	.16	.23

CAL YR 1975 TOTAL 217628.5 MEAN 596 MAX 16200 MIN 9.5 CFSM 2.59 IN 35.20
WTR YR 1976 TOTAL 134428.0 MEAN 367 MAX 8830 MIN 5.4 CFSM 1.60 IN 21.74

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

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.22	3.05	4.99	5.66	3.68	3.69	8.21	---	3.48	2.96	2.84	3.51
2	3.27	3.10	4.51	9.06	3.53	3.58	6.47	---	8.54	2.91	2.79	5.25
3	3.01	3.03	3.92	23.24	3.48	3.52	5.62	---	5.04	2.88	2.76	3.74
4	2.96	3.04	3.62	11.81	3.47	3.45	5.10	---	4.19	2.89	2.74	3.10
5	2.93	3.04	3.54	6.62	6.64	11.18	4.69	---	3.77	2.99	2.73	3.57
6	2.92	10.30	4.52	5.46	18.56	9.94	4.44	---	3.51	2.92	2.74	3.01
7	2.97	4.21	5.80	8.36	6.48	5.51	4.04	---	---	2.88	2.73	2.87
8	2.98	4.44	4.00	8.57	4.77	7.38	3.90	---	---	2.85	2.72	2.82
9	2.93	4.76	3.70	4.84	4.27	17.92	3.71	---	3.06	2.83	2.71	4.31
10	2.92	5.38	3.51	4.36	4.11	8.17	3.66	---	3.02	2.85	2.71	3.09
11	2.90	4.00	3.45	6.09	3.96	5.95	3.59	---	3.02	2.84	2.73	2.87
12	2.88	3.62	3.43	6.50	3.81	6.97	3.74	---	3.02	2.81	2.71	2.81
13	2.90	3.36	3.39	7.37	3.69	6.49	3.56	---	2.99	2.87	2.71	2.78
14	2.88	3.26	3.37	12.38	3.57	5.01	3.56	9.39	2.93	2.85	2.71	2.76
15	2.87	3.21	3.39	5.81	3.51	4.70	3.48	8.39	2.92	2.82	2.74	2.75
16	3.82	3.19	4.66	4.99	3.49	4.85	---	6.01	3.62	2.80	2.86	2.74
17	21.23	3.16	3.66	4.36	3.53	4.22	---	4.36	3.21	2.79	2.89	2.75
18	11.51	3.15	3.45	4.03	19.85	3.95	---	3.59	3.68	2.78	2.78	2.74
19	4.39	3.14	3.38	3.50	13.00	3.80	---	---	5.29	2.77	2.74	2.77
20	3.60	3.40	3.33	3.82	6.21	5.85	---	---	3.34	2.76	2.72	2.76
21	3.29	3.55	3.26	3.77	10.53	23.43	---	---	3.05	2.76	2.72	2.76
22	3.19	3.27	3.27	3.71	10.38	11.80	---	---	2.97	2.78	2.71	2.77
23	3.14	3.21	3.13	3.62	5.93	6.46	---	---	2.94	2.79	2.72	2.75
24	3.11	3.20	3.19	3.56	5.07	5.22	---	---	2.98	2.77	2.73	2.74
25	3.11	3.18	8.49	6.27	4.64	5.46	---	---	3.01	2.75	4.56	2.74
26	3.49	4.29	15.70	13.06	4.36	6.94	---	---	3.00	2.74	5.34	2.74
27	3.30	9.81	6.02	5.60	4.03	21.32	---	---	3.69	2.77	2.82	2.80
28	3.19	4.30	4.58	4.51	3.85	10.38	---	---	3.60	2.78	2.77	2.91
29	3.14	3.70	4.10	4.22	3.74	9.36	---	5.01	3.01	2.81	2.83	2.82
30	3.10	6.13	4.23	3.95	---	17.01	---	3.85	2.95	3.19	2.82	2.81
31	3.07	---	6.86	3.78	---	15.00	---	3.47	---	2.95	2.76	---
MEAN	4.01	4.22	4.66	6.57	6.07	8.34	---	---	---	2.84	2.90	3.03
MAX	21.23	10.30	15.70	23.24	19.85	23.43	---	---	---	3.19	5.34	5.25
MIN	2.87	3.03	3.13	3.56	3.47	3.45	---	---	---	2.74	2.71	2.74

CAL YR 1975 MEAN 5.19 MAX 25.56 MIN 2.78

MOBILE RIVER BASIN

02436500 TOWN CREEK NEAR NETTLETON, MS

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 Tallabinnella Creek, 2 mi (3 km) downstream from Tubbalubba Creek, and 2.1 mi (3.4 km) south of Nettleton.

DRAINAGE AREA.--617 mi² (1,598 km²).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1939 to current year. Monthly discharge only for October 1939, published in WSP 1304. Prior to October 1970, published as West Fork Tombigbee River near Nettleton.

REVISED RECORDS.--WSP 1504: 1948.

GAGE.--Water-stage recorder. Datum of gage is 194.01 ft (59.134 m) above mean sea level (Corps of Engineers bench mark). Prior to Oct. 1, 1947, at datum 10.00 ft (3.048 m) higher.

REMARKS.--Records fair except those of doubtful or no gage-height record, Oct. 23 to Dec. 11 and Apr. 3 to May 28, which are poor.

AVERAGE DISCHARGE.--37 years, 937 ft³/s (26.54 m³/s), 20.62 in/yr (524 mm/yr).

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) (m ³ /s)	Gage height (ft) (m)	Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
Oct. 17	1330	*18,200 515	26.69 8.135	Mar. 21	0430	16,900 479	26.29 8.013
Jan. 3	0730	15,000 425	28.58 7.797	Mar. 27	0615	16,700 473	25.54 7.785
Feb. 18	1445	15,700 445	25.87 7.885				

Minimum discharge, 17 ft³/s (0.48 m³/s) Aug. 22, 23, gage height, 5.18 ft (1.579 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1690	160	3500	1410	460	450	3240	130	436	134	57	338
2	844	150	1200	2740	410	420	1750	125	1690	122	45	412
3	258	180	800	13300	379	402	1100	120	850	113	39	467
4	148	140	700	5800	357	379	900	120	550	97	35	311
5	116	150	600	2010	1320	4010	640	115	546	95	32	296
6	103	4500	1000	1370	11300	4250	560	115	335	99	31	270
7	112	3000	1600	2250	3020	1400	500	110	261	90	31	73
8	133	1100	700	2760	1270	1610	450	105	158	81	29	47
9	103	900	500	1030	958	7120	400	100	134	72	25	81
10	84	1500	450	790	794	2760	350	95	124	65	25	634
11	76	1000	400	1410	698	1420	320	92	115	57	25	99
12	71	700	360	1950	630	1600	400	90	109	51	24	84
13	64	500	320	1380	570	1610	350	400	102	52	24	69
14	64	350	287	3350	515	982	330	2050	92	62	23	53
15	59	300	305	1330	463	1370	300	1750	84	130	23	44
16	261	250	782	950	446	1620	260	1000	314	122	43	37
17	15800	230	474	722	436	822	230	600	386	60	42	34
18	6980	220	332	562	11100	646	210	396	167	47	31	31
19	1400	210	267	500	7270	562	190	250	610	41	24	33
20	762	400	250	480	1760	710	170	200	345	40	21	113
21	470	500	245	460	3590	13200	250	150	153	39	18	55
22	351	400	228	450	4050	5620	200	130	124	45	17	41
23	290	300	217	420	1470	1800	170	110	115	44	17	35
24	270	270	215	400	1070	1340	160	100	106	39	19	31
25	250	250	2970	1300	858	1230	350	95	144	36	19	28
26	470	600	6300	5020	742	1450	250	90	149	38	1360	25
27	350	4000	1690	1430	622	11600	200	88	550	49	132	23
28	280	1500	950	874	542	4670	160	750	1430	76	76	26
29	230	700	746	714	492	2600	150	878	311	90	65	27
30	190	2000	874	598	---	6220	140	406	184	144	181	26
31	170	---	1790	526	---	10800	---	279	---	104	67	---
TOTAL	32349	26460	31052	59286	57592	94683	14580	11039	10674	2334	2600	3843
MEAN	1044	882	1002	1880	1986	3054	486	356	356	75.3	83.9	128
MAX	15800	4500	6300	13300	11300	13200	3240	2050	1690	144	1360	634
MIN	59	140	215	400	357	379	140	88	84	36	17	23
CFSM	1.69	1.43	1.62	3.05	3.22	4.95	.79	.58	.58	.12	.14	.21
IN.	1.95	1.60	1.87	3.51	3.47	5.71	.88	.67	.64	.14	.16	.23
CAL YR 1975	TOTAL	548693	MEAN	1503	MAX	36300	MIN	45	CFSM	2.44	IN	33.08
WTR YR 1976	TOTAL	345492	MEAN	944	MAX	15800	MIN	17	CFSM	1.53	IN	20.83

02436500 TOWN CREEK NEAR NETTLETON, MS--Continued

WATER-QUALITY RECORDS

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

REVISIONS.--The figure of fecal coliform for July 8, 1975, (1400 hours) has been revised to greater than 8000 col/100 ML, superseding figure previously published. The following parameters for July 8, 1975, (1400 hours) have been deleted due to anomalies in determinations, superseding figures previously published.

Total Nitrate as N	Total Nitrogen as N
Total Nitrite as N	Total Nitrogen as NO ₃
Total Nitrite + Nitrate as N	Total Phosphorus as P
Total Ammonia as N	Total Iron
Total Organic Nitrogen as N	Total Organic Phosphorus as P
Total Kjeldahl Nitrogen as N	

WATER QUALITY DATA, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	TIME	INSTANTANEOUS CHLORINE (CFE)	SPECIFIC CONDUCTANCE (MICRO-MHOS)	PH (UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	DISSOLVED OXYGEN (MG/L)	CHEMICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L)	BIOCHEMICAL OXYGEN DEMAND 5 DAY (MG/L)	IMMEDIATE COLIFORM (COL. PER 100 ML)	FECAL COLIFORM (COL. PER 100 ML)
OCT 01...	1400	3800	142	7.7	19.5	120	220	8.4	14	4.5	>20000	5300
JAN 20...	1200	550	241	7.5	3.5	100	35	9.7	15	3.5	4100	1164
MAR 31...	0800	12900	125	6.5	14.0	150	200	8.5	25	4.8	230	7800
JUL 13...	1700	57	350	8.4	34.0	70	40	11.2	29	11	57000	39000

DATE	HARDNESS (CA, MG/L)	NON-CARBONATE HARDNESS (MG/L)	DISSOLVED CALCIUM (CA) (MG/L)	TOTAL MAGNESIUM (MG/L)	DISSOLVED MAGNESIUM (MG/L)	BICARBONATE (HCO ₃) (MG/L)	CARBONATE (CO ₃) (MG/L)	ALKALINITY AS CaCO ₃ (MG/L)	DISSOLVED SULFATE (SO ₄) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DISSOLVED SOLIDS (TONS PER AC-FT)
OCT 01...	64	0	24	2.3	1.0	85	0	70	9.5	4.5	97	.13
JAN 20...	120	26	43	2.1	2.2	110	0	90	22	9.5	142	.19
MAR 31...	63	9	23	1.7	1.3	65	0	53	5.9	2.7	86	.12
JUL 13...	120	0	44	3.5	2.6	153	6	135	15	29	206	.28

DATE	DISSOLVED SOLIDS (TONS PER DAY)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRATE PLUS NITRITE (N) (MG/L)	TOTAL AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	DISSOLVED PHOSPHORUS (P) (MG/L)	TOTAL ARSENIC (AS) (UG/L)
OCT 01...	995	.23	.05	.28	.08	1.3	1.4	1.7	7.4	.45	.17	9
JAN 20...	211	.17	.02	.19	.25	.41	.66	.85	3.8	.23	.12	1
MAR 31...	2570	.30	.07	.37	.07	.46	.53	.90	4.0	.33	.06	0
JUL 13...	31.7	.09	.07	.16	.06	1.5	1.6	1.8	7.8	.40	.22	10

DATE	TOTAL CADMIUM (CD) (UG/L)	TOTAL CHROMIUM (CR) (UG/L)	HEXAVALENT CHROMIUM (CR6) (UG/L)	TOTAL COPPER (CU) (UG/L)	TOTAL IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	TOTAL MANGANESE (MN) (UG/L)	TOTAL MERCURY (HG) (UG/L)	TOTAL SELENIUM (SE) (UG/L)	TOTAL ZINC (ZN) (UG/L)	TOTAL ORGANIC CARBON (C) (MG/L)	PHENOLS (UG/L)
OCT 01...	1	30	0	11	10000	15	310	.0	1	50	15	3
JAN 20...	0	10	0	25	2300	7	130	.5	0	30	4.8	0
MAR 31...	1	10	0	17	8400	14	90	.0	0	50	10	2
JUL 13...	0	30	0	16	4200	20	130	.2	0	50	8.6	0

MOBILE RIVER BASIN

02437000 TOMBIGBEE RIVER NEAR AMORY, MS

LOCATION.--Lat 33°59'10", long 88°33'05", in NW¼NE¼ sec.3, T.13 S., R.7 E., Chickasaw Meridian, Monroe County, Hydrologic Unit 03160101, 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).

WATER-DISCHARGE RECORDS

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) above mean sea level (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 (30 km) downstream, was used as an auxiliary gage for this station 1950-58.

REMARKS.--Records good.

COOPERATION.--Gage-height record and 8 discharge measurements furnished by Corps of Engineers.

AVERAGE DISCHARGE.--39 years, 3,082 ft³/s (87.28 m³/s), 21.75 in/yr (552 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) (m ³ /s)	Gage height (ft) (m)	Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
Oct. 18	0500	18,500 524	23.08 7.035	Feb. 22	0600	15,900 450	22.09 6.733
Jan. 4	0100	16,600 470	22.37 6.818	Mar. 22	0200	16,800 476	22.44 6.840
Feb. 6	2100	15,800 447	22.04 6.718	Mar. 27	2200	16,800 476	22.43 6.837
Feb. 19	1000	16,500 467	22.32 6.803	Mar. 31	1700	*19,500 552	23.40 7.132

Minimum discharge, 180 ft³/s (5.10 m³/s) Aug. 25, 26, gage height, 4.66 ft (1.420 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2580	1580	4870	5150	2650	2780	15800	1310	2020	1500	600	1290
2	3100	1450	4170	4540	2330	2500	12500	1370	3390	1510	486	2420
3	2020	1380	3680	13300	2080	2320	10300	1320	2980	1120	418	1930
4	1480	1310	3250	14700	1910	2180	8030	1160	2390	1360	373	2830
5	1200	1270	2800	9570	2170	4340	6200	1040	2810	741	343	1630
6	1050	2200	2610	9220	12500	10100	5010	965	2960	782	322	1600
7	985	4860	3620	8320	11700	6000	4090	920	2490	777	298	1090
8	1100	3910	2660	8700	6810	5200	3480	940	1850	732	292	804
9	1280	3540	2400	6060	5530	10800	3020	1030	1440	636	280	674
10	1210	3590	2140	4800	4540	9640	2700	975	1170	548	268	1360
11	1030	3170	1970	4460	3910	6700	2440	925	1010	486	253	945
12	925	3170	1830	5360	3420	6330	2390	1030	900	451	240	773
13	840	4110	1710	4540	2980	6550	2540	990	809	415	233	584
14	795	4350	1600	5960	2650	5310	2540	3330	741	434	225	479
15	750	3280	1550	4930	2430	4940	2420	4880	683	564	215	427
16	925	2340	2170	4420	2250	5900	2370	4570	728	945	220	385
17	12400	2010	2260	4210	2160	4670	2200	4630	1140	1220	271	364
18	16800	1770	2120	3870	8100	3970	1980	4400	920	822	268	340
19	10400	1600	1840	3430	15400	3450	1810	4130	1340	604	268	337
20	8970	2230	1700	3030	9600	3180	1670	3670	905	451	238	483
21	8350	2580	1600	2710	11100	12100	1570	2970	1530	400	220	424
22	6430	2320	1500	2480	14800	15200	1510	2140	1340	382	213	415
23	4450	2130	1380	2290	10000	10500	1440	1600	1110	388	198	370
24	3790	1900	1350	2150	7720	10700	1320	1330	900	388	190	322
25	2930	1750	2700	2400	6250	8540	1630	1190	818	343	205	286
26	2670	3220	9400	7170	5020	6480	1800	1060	809	313	1660	268
27	2740	4110	6620	5040	4180	13200	1790	990	1310	340	996	256
28	2440	3340	4650	3770	3560	14000	1490	1490	2810	465	800	310
29	2160	2890	4380	3530	3110	8650	1320	2670	1960	710	665	564
30	1950	3690	4420	3340	---	11900	1260	2570	1670	777	714	588
31	1730	---	4970	3040	---	17800	---	2250	---	746	524	---
TOTAL	109880	81060	93920	166490	170860	235930	108620	63845	46933	21350	12496	24548
MEAN	3545	2702	3030	5371	5892	7611	3621	2060	1564	689	403	818
MAX	16800	4860	9400	14700	15400	17800	15800	4880	3390	1510	1660	2830
MIN	750	1270	1350	2150	1910	2180	1260	920	683	313	190	256
CFSM	1.84	1.40	1.57	2.79	3.06	3.96	1.88	1.07	.81	.36	.21	.43
IN.	2.12	1.57	1.82	3.22	3.30	4.56	2.10	1.23	.91	.41	.24	.47
CAL YR 1975	TOTAL	1781971	MEAN	4882	MAX	87600	MIN	402	CFSM	2.54	IN	34.45
WTR YR 1976	TOTAL	1135932	MEAN	3104	MAX	17800	MIN	190	CFSM	1.61	IN	21.96

MOBILE RIVER BASIN
02437000 TOMBIGBEE RIVER NEAR AMORY, MS--Continued

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GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.59	7.86	13.58	14.05	9.74	9.97	22.05	7.38	8.63	7.71	5.95	7.24
2	10.52	7.65	11.30	13.00	9.17	9.48	20.54	7.48	11.04	7.73	5.66	9.33
3	8.64	7.50	10.95	20.76	8.73	9.16	19.38	7.40	10.32	7.04	5.46	8.48
4	7.68	7.37	10.49	21.58	8.44	8.91	17.76	7.11	9.28	7.46	5.31	10.06
5	7.18	7.30	10.00	18.91	8.88	11.36	15.68	6.89	10.01	6.28	5.21	7.94
6	6.90	8.94	9.66	18.68	20.26	19.20	13.81	6.75	10.28	6.37	5.14	7.90
7	6.79	13.57	11.43	18.00	20.00	15.40	12.26	6.66	9.45	6.36	5.06	6.98
8	7.00	11.95	9.75	18.29	16.53	14.13	11.20	6.70	8.34	6.26	5.04	6.42
9	7.32	11.30	9.30	15.49	14.67	19.47	10.39	6.87	7.60	6.04	5.00	6.13
10	7.19	11.38	8.85	13.47	13.04	18.96	9.82	6.77	7.13	5.82	4.96	7.46
11	6.88	10.65	8.55	12.90	11.95	16.39	9.36	6.67	6.83	5.66	4.91	6.71
12	6.67	10.65	8.30	14.40	11.09	15.87	9.28	6.88	6.62	5.56	4.86	6.35
13	6.50	12.30	8.08	13.04	10.32	16.19	9.55	6.80	6.43	5.45	4.83	5.91
14	6.40	12.70	7.90	15.34	9.73	14.32	9.54	10.91	6.28	5.51	4.80	5.64
15	6.30	10.85	7.80	13.68	9.35	13.70	9.34	13.60	6.15	5.86	4.76	5.49
16	6.67	9.20	8.90	12.82	9.03	15.25	9.24	13.09	6.25	6.71	4.78	5.35
17	19.64	8.62	9.05	12.46	8.87	13.25	8.94	13.18	7.07	7.21	4.97	5.28
18	22.45	8.20	8.80	11.88	16.30	12.06	8.57	12.80	6.66	6.46	4.96	5.20
19	19.41	7.90	8.32	11.10	21.89	11.14	8.27	12.32	7.42	5.96	4.96	5.19
20	18.50	9.00	8.07	10.40	18.93	10.66	8.02	11.52	6.63	5.56	4.85	5.65
21	18.02	9.62	7.89	9.84	19.86	19.74	7.84	10.30	7.77	5.40	4.78	5.48
22	16.01	9.15	7.72	9.43	21.60	21.81	7.74	8.84	7.42	5.34	4.75	5.45
23	13.55	8.83	7.50	9.10	19.19	19.46	7.61	7.89	7.02	5.36	4.69	5.30
24	11.73	8.42	7.45	8.86	17.48	19.58	7.39	7.41	6.62	5.36	4.66	5.14
25	10.22	8.16	9.74	9.30	15.76	18.17	7.94	7.16	6.45	5.21	4.72	5.02
26	9.78	10.74	18.80	16.84	13.84	16.09	8.24	6.93	6.43	5.11	7.92	4.96
27	9.89	12.30	16.06	13.83	12.42	20.63	8.22	6.80	7.37	5.20	6.81	4.92
28	9.37	10.95	13.22	11.71	11.34	21.28	7.70	7.68	10.01	5.60	6.41	5.10
29	8.87	10.15	12.75	11.28	10.54	18.25	7.40	9.77	8.52	6.21	6.11	5.86
30	8.50	11.57	12.82	10.95	---	20.26	7.28	9.60	8.02	6.36	6.22	5.92
31	8.12	---	13.75	10.42	---	22.81	---	9.04	---	6.29	5.76	---
MEAN	10.40	9.83	10.22	13.61	13.76	15.92	10.68	8.68	7.80	6.08	5.30	6.26
MAX	22.45	13.57	18.80	21.58	21.89	22.81	22.05	13.60	11.04	7.73	7.92	10.06
MIN	6.30	7.30	7.45	8.86	8.44	8.91	7.28	6.66	6.15	5.11	4.66	4.92
CAL YR 1975	MEAN 11.51		MAX 31.35	MIN 5.24								
WTR YR 1976	MEAN 9.87		MAX 22.81	MIN 4.66								

MOBILE RIVER BASIN

02437000 TOMBIGBEE RIVER NEAR AMORY, MS--Continued

WATER-QUALITY RECORDS

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

REVISIONS.--The following parameters for July 8, 1975, (1600 hours) have been deleted due to anomalies in determinations, superseding figures previously published.

Total Nitrate as N	Total Kjeldahl Nitrogen as N
Total Nitrite as N	Total Nitrogen as N
Total Nitrite + Nitrate as N	Total Nitrogen as NO ₃
Total Ammonia as N	Total Phosphorus as P
Total Organic Nitrogen as N	Total Organic Phosphorus as P

WATER QUALITY DATA, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	TIME	INSTAN- TANEOUS DIS- CHARGE (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COALT UNITS)	TUR- BID- ITY (JTU)	DIS- SOLVED OXYGEN (MG/L)	CHEM- ICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	IMME- DIATE COLI- FORM (COL. PER 100 ML)	FECAL COLI- FORM (COL. PER 100 ML)
OCT 01...	1230	1240	96	7.0	19.0	50	30	9.2	10	2.6	600	H25
JAN 19...	1700	3340	80	7.3	3.0	100	30	8.4	6	2.8	1100	R60
MAR 31...	1000	18500	140	6.8	15.0	130	160	8.7	20	5.9	27000	3600
JUL 14...	1000	421	120	6.5	28.0	40	15	7.2	23	4.2	--	4000

DATE	HARD- NESS (CA, MG) (MG/L)	NON- CARB- ONATE HARD- NESS (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	TOTAL HAR- DNESS (MG/L)	DIS- SOLVED MAG- NESIUM (MG)	RICAR- BONATE (HCO ₃) (MG/L)	CAR- BONATE (CO ₃) (MG/L)	ALKA- LINIT- Y AS CACO ₃ (MG/L)	DIS- SOLVED SULFATE (SO ₄) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L)	DIS- SOLVED SOLIDS (TUNS PER AC-FT)
OCT 01...	37	4	13	.8	1.1	40	0	33	5.3	3.9	57	.08
JAN 19...	42	8	15	1.1	1.0	41	0	34	9.8	5.1	70	.10
MAR 31...	64	6	24	1.6	.9	70	0	57	5.4	2.4	96	.13
JUL 14...	43	2	15	1.2	1.3	50	0	41	5.5	5.8	72	.10

DATE	DIS- SOLVED SOLIDS (TONS PER DAY)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRATE PLUS NITRITE (N) (MG/L)	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO ₃) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOL- VED- PHOS- PHORUS (P) (MG/L)	TOTAL ARSENIC (AS) (UG/L)
OCT 01...	191	.13	.01	.14	.00	.20	.20	.34	1.5	.08	.02	2
JAN 19...	631	.14	.01	.15	.07	.59	.66	.81	3.6	.09	.04	1
MAR 31...	4800	.04	.05	.09	.03	.97	1.0	1.1	4.8	.29	.07	2
JUL 14...	81.8	.09	.01	.10	.02	.46	.43	.58	2.6	.06	.04	2

DATE	TOTAL CAD- MIUM (CD) (UG/L)	TOTAL CHRO- MIUM (CR) (UG/L)	HEXA- VALENT CHRO- MIUM (CR6) (UG/L)	TOTAL COPPER (CU) (UG/L)	TOTAL IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	TOTAL MAN- GANESE (MN) (UG/L)	TOTAL MERCURY (HG) (UG/L)	TOTAL SILE- NIUM (SE) (UG/L)	TOTAL ZINC (ZN) (UG/L)	TOTAL ORGANIC CARBON (C) (MG/L)	PHENOLS (UG/L)
OCT 01...	3	10	0	8	2500	5	150	.1	0	40	5.0	1
JAN 19...	4	<10	0	30	1800	10	90	.4	0	60	3.6	0
MAR 31...	2	20	0	12	6300	10	70	.0	0	40	11	1
JUL 14...	6	10	0	12	2000	82	250	.4	0	30	3.8	1

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) above mean sea level (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. Doubtful gage-height record July 1 to Aug. 10.

AVERAGE DISCHARGE.--35 years, 3,305 ft³/s (93.60 m³/s), 20.69 in/yr (526 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 15,300 ft³/s (433 m³/s) Apr. 1, gage height, 33.46 ft (10.199 m); minimum, 199 ft³/s (5.64 m³/s) Aug. 25, gage height, 4.22 ft (1.286 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1230	1620	4440	6020	3030	2950	16500	1320	2160	1510	669	737
2	3720	1510	4690	5300	2670	2640	13400	1370	3200	1350	568	2330
3	2360	1430	3720	7020	2440	2440	12100	1380	3560	1280	477	2330
4	1640	1330	3340	10600	2280	2360	10900	1300	2570	1010	404	3220
5	1240	1290	3060	11600	2200	3220	9550	1190	2880	886	355	2410
6	1070	1600	2780	11000	7890	7840	7740	1090	2960	800	330	1670
7	999	4790	3310	10400	11400	8810	5860	1040	2660	782	320	1380
8	987	4890	3190	10300	11200	7580	3840	1010	2250	779	302	1230
9	1050	3850	2610	9600	9740	9160	3300	1020	1720	759	288	930
10	1190	3570	2330	7920	7840	10500	2880	1040	1410	706	277	1330
11	1120	3400	2110	5990	5860	10200	2580	1140	1180	650	267	1160
12	930	3440	1950	5810	4240	8960	2460	1140	1030	612	259	886
13	844	4240	1810	5610	3450	7990	2500	1110	933	577	251	713
14	787	3620	1690	5450	3010	7270	2620	3400	855	559	243	592
15	752	3200	1610	6050	2710	6300	2500	6050	789	561	237	517
16	749	2630	1880	5170	2510	7120	2450	5570	747	612	234	469
17	5400	2270	2420	4640	2380	6650	2390	5190	1040	963	250	437
18	10700	2010	2320	4270	4590	5140	2210	4720	1030	1010	261	416
19	12100	1840	2060	3820	9430	4030	2010	4340	1200	756	274	396
20	11500	1730	1830	3370	11200	3470	1840	3870	1760	627	250	435
21	10700	2290	1730	3030	10900	6730	1680	3220	1510	557	231	528
22	10000	2510	1630	2740	11700	10500	1600	2490	1450	513	222	479
23	8660	2330	1550	2520	10900	11700	1540	1940	1250	488	212	444
24	6360	2080	1460	2350	10100	11200	1470	1540	1060	479	203	404
25	3810	1920	1700	2330	8980	10800	1420	1330	927	471	202	377
26	2600	1800	6490	5940	7550	9890	1800	1200	1360	450	1340	358
27	2900	3640	8420	7100	5730	10700	1800	1100	1140	431	2080	348
28	2590	4390	7450	5540	4070	12600	1670	1100	3180	676	1060	348
29	2310	3300	5730	4130	3380	12700	1460	2310	2640	696	828	448
30	1960	2970	4920	3730	---	12500	1340	2580	1840	718	892	639
31	1780	---	5340	3420	---	14200	---	2420	---	764	866	---
TOTAL	114038	81490	99970	182810	183380	248230	125410	69520	52291	23032	14652	27961
MEAN	3679	2716	3225	5897	6323	8007	4180	2243	1743	743	473	932
MAX	12100	4890	8420	11600	11700	14200	16500	6050	3560	1510	2080	3220
MIN	749	1290	1460	2330	2200	2360	1340	1010	747	431	202	348
CFSM	1.70	1.25	1.49	2.72	2.92	3.69	1.93	1.03	.80	.34	.22	.43
IN.	1.96	1.40	1.71	3.14	3.15	4.26	2.15	1.19	.90	.40	.25	.48
CAL YR 1975	TOTAL	1967963	MEAN	5392	MAX	74400	MIN	522	CFSM	2.49	IN	33.75
WTR YR 1976	TOTAL	1222784	MEAN	3341	MAX	16500	MIN	202	CFSM	1.54	IN	20.97

02437500 TOMBIGBEE RIVER AT ABERDEEN, MS--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.16	9.31	16.29	19.83	12.97	12.77	33.13	8.45	10.76		---	6.46
2	14.63	8.99	16.93	18.31	12.07	12.09	32.43	8.58	13.30		---	11.22
3	11.28	8.77	14.67	21.72	11.49	11.60	30.95	8.61	14.25		---	11.20
4	9.37	8.47	13.76	27.17	11.09	11.30	29.36	8.37	11.82		---	13.38
5	8.20	8.34	13.04	28.65	10.87	13.03	27.37	8.03	12.58		---	11.38
6	7.67	9.24	12.34	27.72	23.01	23.18	24.72	7.73	12.81		---	9.44
7	7.43	17.16	13.67	26.97	28.39	24.65	21.30	7.56	12.05		---	8.61
8	7.39	17.41	13.37	26.75	28.12	22.79	15.91	7.46	10.99		---	8.17
9	7.60	14.97	11.93	25.79	25.97	25.09	13.63	7.49	9.58		---	7.19
10	8.04	14.31	11.20	23.37	23.22	27.10	12.60	7.57	8.71		---	8.46
11	7.83	13.88	10.62	19.77	19.50	26.67	11.84	7.89	8.01		4.67	7.94
12	7.20	13.97	10.20	19.40	15.88	24.87	11.55	7.88	7.54		4.62	7.04
13	6.90	15.90	9.82	18.98	14.01	23.48	11.65	7.78	7.21		4.57	6.38
14	6.68	14.42	9.51	18.64	12.91	22.28	11.94	13.16	6.94		4.52	5.85
15	6.54	13.39	9.29	19.98	12.18	20.41	11.66	19.89	6.69		4.48	5.51
16	6.53	11.97	10.03	18.03	11.67	22.04	11.53	18.90	6.52		4.46	5.28
17	17.79	11.05	11.45	16.83	11.33	21.10	11.37	18.08	7.51		4.56	5.13
18	27.31	10.36	11.18	15.97	16.29	17.96	10.89	17.03	7.53		4.62	5.03
19	29.22	9.91	10.51	14.91	25.49	15.41	10.36	16.13	8.06		4.71	4.93
20	28.40	9.61	9.90	13.83	28.09	14.08	9.91	15.01	9.70		4.56	5.12
21	27.29	11.10	9.60	12.96	27.59	21.13	9.47	13.44	9.01		4.44	5.55
22	26.35	11.68	9.34	12.24	28.77	26.96	9.25	11.62	8.82		4.38	5.33
23	24.41	11.22	9.11	11.70	29.47	28.67	9.09	10.19	8.21		4.31	5.16
24	20.52	10.56	8.85	11.27	28.24	28.03	8.89	9.07	7.63		4.25	4.97
25	14.80	10.13	9.54	11.22	26.34	27.44	8.73	8.46	7.19		4.24	4.83
26	11.89	9.81	21.57	19.64	23.81	26.20	9.81	8.06	8.57		8.30	4.73
27	12.66	14.08	24.10	22.00	19.95	27.23	9.81	7.76	7.88		10.54	4.67
28	11.87	16.22	22.56	18.84	15.83	29.69	9.45	7.75	13.14		7.63	4.67
29	11.14	13.65	19.22	15.64	13.83	29.81	8.86	11.15	11.95		6.84	5.18
30	10.24	12.82	17.47	14.70	---	29.49	8.51	11.86	9.93		7.05	6.06
31	9.75	---	18.42	13.94	---	31.37	---	11.45	---		6.95	---
MEAN	13.39	12.09	13.21	18.93	19.60	22.51	14.87	10.72	9.50		---	6.83
MAX	29.22	17.41	24.10	28.65	29.47	31.37	33.13	19.89	14.25		---	13.38
MIN	6.53	8.34	8.85	11.22	10.87	11.30	8.51	7.46	6.52		---	4.67

CAL YR 1975 MEAN 15.60 MAX 41.49 MIN 5.53

02437500 TOMBIGBEE RIVER AT ABERDEEN, MS--Continued

WATER-QUALITY RECORDS

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

REVISIONS.--The following parameters for July 9, 1975, (1000 hours) have been deleted due to anomalies in determinations, superseding figures previously published.

Total Nitrate as N	Total Nitrogen as N
Total Nitrite as N	Total Nitrogen as NO ₃
Total Nitrite + Nitrate as N	Total Phosphorus as P
Total Ammonia as N	Total Zinc
Total Organic Nitrogen as N	Total Organic Phosphorus as P
Total Kjeldahl Nitrogen as N	

WATER QUALITY DATA, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	SPECIFIC CONDUCTANCE (MICRO-MHOS)	PH (UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COHALT UNITS)	TURBIDITY (JTU)	DISSOLVED OXYGEN (MG/L)	CHEMICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L)	BIOCHEMICAL OXYGEN DEMAND 5 DAY (MG/L)	IMMEDIATE COLIFORM (COL. PER 100 ML)	FECAL COLIFORM (COL. PER 100 ML)
OCT 01...	1100	1040	80	6.8	19.5	55	20	9.1	6	2.1	260	819
JAN 19...	1600	3770	82	7.4	3.5	110	35	8.5	6	3.3	837	8220
MAR 31...	1300	12200	125	6.8	12.0	160	85	8.8	25	3.4	42000	5800
JUL 14...	1400	603	110	6.8	29.0	40	20	7.1	23	3.8	4900	3500

DATE	HARDNESS (CA+MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	DISSOLVED CALCIUM (CA) (MG/L)	TOTAL MAGNESIUM (MG/L)	DISSOLVED MAGNESIUM (MG/L)	BICARBONATE (HCO ₃) (MG/L)	CARBONATE (CO ₃) (MG/L)	ALKALINITY AS CaCO ₃ (MG/L)	DISSOLVED SULFATE (SO ₄) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DISSOLVED SOLIDS (TONS PER AC-FT)
OCT 01...	34	0	12	.8	1.0	42	0	34	5.1	3.7	62	.08
JAN 19...	39	6	14	1.2	.9	40	0	33	8.9	4.5	63	.09
MAR 31...	46	3	17	1.1	.9	53	0	43	5.4	2.9	66	.09
JUL 14...	48	6	17	1.3	1.3	51	0	42	4.5	4.4	74	.10

DATE	DISSOLVED SOLIDS (TONS PER DAY)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRATE PLUS NITRITE (N) (MG/L)	TOTAL AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL NITROGEN (NO ₃) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	DISSOLVED PHOSPHORUS (P) (MG/L)	TOTAL ARSENIC (AS) (UG/L)
OCT 01...	174	.13	.00	.13	.00	.25	.25	.38	1.7	.07	.03	1
JAN 19...	641	.13	.01	.14	.04	.57	.61	.75	3.3	.10	.03	1
MAR 31...	2170	.23	.05	.28	.17	.57	.74	1.0	4.5	.20	.01	0
JUL 14...	120	.00	.01	.01	.00	.54	.54	.55	2.4	.07	.02	2

DATE	TOTAL CADMIUM (CD) (UG/L)	TOTAL CHROMIUM (CR) (UG/L)	HEXAVALENT CHROMIUM (CR6) (UG/L)	TOTAL COPPER (CU) (UG/L)	TOTAL IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	TOTAL MANGANESE (MN) (UG/L)	TOTAL MERCURY (HG) (UG/L)	TOTAL SELENIUM (SE) (UG/L)	TOTAL ZINC (ZN) (UG/L)	TOTAL ORGANIC CARBON (C) (MG/L)	PHENOLS (UG/L)
OCT 01...	0	20	0	6	2200	7	70	.1	0	30	4.2	1
JAN 19...	3	12	0	16	2400	9	80	.1	0	40	4.2	0
MAR 31...	2	10	0	31	5400	35	60	.0	0	20	9.4	2
JUL 14...	3	10	0	13	2100	10	170	.4	0	20	4.7	3

MOBILE RIVER BASIN

02439400 BUTTAHATCHEE RIVER NEAR ABERDEEN, MS

LOCATION.--Lat 33°47'28", long 88°18'52", 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) above mean sea level (Mississippi State Highway bench mark).

REMARKS.--Records good.

AVERAGE DISCHARGE.--10 years, 1,480 ft³/s (41.91 m³/s), 25.54 in/yr (649 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 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)
Oct. 19	1200	*17,800 504	17.71 5.398	Apr. 1	1400	6,590 187	14.45 4.404
Feb. 8	2300	7,790 221	14.97 4.563				

Minimum discharge, 196 ft³/s (5.55 m³/s) Aug. 25, gage height, 4.91 ft (1.497 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	647	923	1680	2640	1320	1280	6300	832	842	740	477	957
2	1020	865	2230	3110	1220	1200	6390	1080	919	623	403	1540
3	1600	829	2340	3460	1130	1140	5530	967	1380	519	358	1230
4	1060	816	1920	3360	1050	1100	3770	791	1290	487	323	1100
5	819	852	1520	3400	1030	1230	2740	694	1300	548	299	1210
6	731	889	1330	3270	2150	1950	2200	646	1810	629	289	916
7	700	1250	1230	2630	3420	2640	1850	655	1270	571	285	813
8	945	1930	1140	2390	6090	2850	1630	697	899	499	299	700
9	1810	1990	1070	2570	6660	2850	1440	706	746	439	285	563
10	2140	1660	1020	2420	3930	3310	1290	664	658	401	268	649
11	2280	1760	978	2000	2570	3850	1180	845	592	375	256	912
12	1550	1660	923	1980	1990	3560	1170	885	548	358	248	590
13	1080	1880	889	2200	1720	2680	1450	804	514	344	239	441
14	917	2360	855	2230	1540	2470	1360	1440	482	348	233	377
15	817	2420	839	2260	1410	2610	1230	2310	453	444	228	344
16	779	1750	892	2270	1310	2660	1200	2900	441	430	223	321
17	2100	1410	1120	1970	1240	2900	1080	3030	451	408	222	306
18	3810	1240	1050	1690	1570	2950	978	2430	458	540	228	294
19	14700	1110	909	1470	2340	2580	916	1510	576	453	225	287
20	10400	1070	832	1330	3060	2100	865	1110	1350	368	217	285
21	6240	1290	816	1290	3970	2240	836	933	1410	334	211	294
22	3730	1600	807	1240	3390	2710	800	829	839	317	206	294
23	2220	1360	778	1160	2990	3590	752	759	640	306	202	285
24	1590	1180	759	1110	2920	4100	718	721	555	297	199	268
25	1340	1080	855	1130	2380	2720	752	703	506	287	197	258
26	1260	1020	1630	1610	1900	2100	1020	649	494	292	241	253
27	1530	1160	2410	2270	1660	2730	943	604	468	306	308	253
28	1570	1540	2850	2460	1490	3570	778	700	679	399	334	253
29	1300	1430	2350	1970	1370	4220	706	1140	1340	797	352	265
30	1120	1300	1790	1590	---	4340	682	1470	1080	829	421	289
31	1000	---	2090	1430	---	4940	---	1100	---	561	444	---
TOTAL	72805	41624	41902	65910	68820	85170	52556	34604	24990	14249	8720	16547
MEAN	2349	1387	1352	2126	2373	2747	1752	1116	833	460	281	552
MAX	14700	2420	2850	3460	6660	4940	6390	3030	1810	829	477	1540
MIN	647	816	759	1110	1030	1100	682	604	441	287	197	253
CFSM	2.98	1.76	1.72	2.70	3.02	3.49	2.23	1.42	1.06	.58	.36	.70
IN.	3.44	1.97	1.98	3.12	3.25	4.03	2.48	1.64	1.18	.67	.41	.78

CAL YR 1975	TOTAL	777364	MEAN	2130	MAX	25500	MIN	337	CFSM	2.71	IN	36.74
WTR YR 1976	TOTAL	527897	MEAN	1442	MAX	14700	MIN	197	CFSM	1.83	IN	24.95

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).

PERIOD OF RECORD.--August 1928 to September 130, October 1939 to current year. Monthly discharge only for September 1930 and October 1939, published in WSP 1304. 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) above mean sea level (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.--39 years, 1,306 ft³/s (36.99 m³/s), 19.11 in/yr (485 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.--Maximum discharge, 17,800 ft³/s (504 m³/s) Apr. 1, gage height 25.35 ft (7.727 m), only peak above base of 10,000 ft³/s (283 m³/s); minimum daily, 2.1 ft³/s (0.059 m³/s) Aug. 22.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	79	233	1300	2650	566	384	16400	109	163	142	78	55
2	499	209	1170	2190	486	346	13900	111	1930	96	52	201
3	1290	192	851	2380	412	322	9120	110	4270	73	39	253
4	865	190	613	4100	366	304	5700	101	3190	69	31	481
5	390	183	449	4770	551	747	2520	92	2970	646	24	935
6	256	380	412	5100	4290	3450	747	87	2730	486	20	702
7	199	1190	1160	4530	7620	5390	582	750	428	233	19	452
8	172	1240	1680	4140	9140	5920	488	1190	223	133	16	1420
9	165	742	1320	3850	8440	6500	401	559	191	90	14	2050
10	145	574	770	2490	5780	7870	340	325	163	68	15	1640
11	123	658	514	1090	2550	8530	295	5010	135	55	13	992
12	103	590	393	1650	778	6700	261	7040	114	46	11	388
13	90	708	327	2170	646	4160	245	6800	98	40	9.1	197
14	87	616	289	2490	559	1460	241	5840	85	35	7.7	121
15	78	447	268	2630	496	1600	256	6750	74	103	7.0	87
16	90	331	551	1820	435	3620	241	7760	69	230	7.0	72
17	2980	269	887	971	401	4840	217	5740	95	151	7.0	56
18	5660	233	702	677	1620	4760	194	3450	154	113	4.5	47
19	7820	205	476	517	3920	2780	176	905	274	74	6.3	37
20	8690	195	346	440	4770	935	163	412	468	52	4.5	30
21	7410	248	304	406	5150	2920	162	289	271	41	3.0	27
22	5430	320	271	380	5070	5120	148	218	156	35	2.1	26
23	1950	288	241	352	4380	5850	135	180	110	30	2.7	32
24	390	269	232	333	3780	5700	127	153	88	60	3.0	20
25	302	250	798	459	2230	3970	145	135	74	45	2.4	16
26	304	233	3200	2740	828	1310	172	131	680	32	4.2	15
27	588	669	4580	4420	610	3420	157	120	2090	27	194	14
28	540	1450	4790	4760	499	5700	146	121	935	134	156	16
29	415	1190	4320	4230	432	6960	122	138	435	404	88	17
30	333	803	2690	2000	---	8170	111	179	220	226	60	18
31	274	---	2410	722	---	10800	---	180	---	130	43	---
TOTAL	47717	15105	38314	71497	76805	130538	53912	54985	22883	4099	943.5	10417
MEAN	1539	504	1236	2306	2648	4211	1797	1774	763	132	30.4	347
MAX	8690	1450	4790	5100	9140	10800	16400	7760	4270	646	194	2050
MTN	78	183	232	333	366	304	111	87	69	27	2.1	14
CFSM	1.66	.54	1.33	2.48	2.85	4.54	1.94	1.91	.82	.14	.03	.37
IN.	1.91	.61	1.54	2.87	3.08	5.23	2.16	2.20	.92	.16	.04	.42

CAL YR 1975 TOTAL 697004.0 MEAN 1910 MAX 40000 MIN 38 CFSM 2.06 IN 27.94
WTR YR 1976 TOTAL 527215.5 MEAN 1440 MAX 16400 MIN 2.1 CFSM 1.55 IN 21.13

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 (11,570 km²), approximately.

PERIOD OF RECORD.--Water years 1974 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).

REVISIONS.--The following parameters for July 9, 1975, (1130 hours) have been deleted due to anomalies in determinations, superseding figures previously published.

Total Nitrate as N	Total Kjeldahl Nitrogen as N
Total Nitrite as N	Total Nitrogen as N
Total Nitrite + Nitrate as N	Total Nitrogen as NO ₃
Total Ammonia Nitrogen as N	Total Phosphorus as P
Total Organic Nitrogen as N	Total Organic Phosphorus as P

WATER QUALITY DATA, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	SPECIFIC CONDUCTANCE (MICRO-MHOS)	PH (UNITS)	TEMPERATURE (DEG C)	COLOR (PLAT-INUM-COHALT UNITS)	TURBIDITY (JTU)	DISSOLVED OXYGEN (MG/L)	CHEMICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L)	BIOLOGICAL OXYGEN DEMAND 5 DAY (MG/L)	IMMEDIATE COLIFORM (COL. PER 100 ML)	FECAL COLIFORM (COL. PER 100 ML)
OCT 01...	0830	1710	81	6.8	19.0	55	50	9.2	12	2.6	320	B13
JAN 19...	1400	5950	85	6.7	4.0	110	40	9.5	4	4.0	680	B160
MAR 31...	1500	32100	110	6.9	17.0	140	90	7.8	20	3.3	38000	4200
JUL 14...	1500	1590	140	8.0	31.0	30	10	9.0	20	4.5	2500	E300

DATE	HARDNESS (CA, MG/L)	NON-CARBONATE HARDNESS (MG/L)	DISSOLVED CALCIUM (CA) (MG/L)	TOTAL MAGNESIUM (MG/L)	DISSOLVED MAGNESIUM (MG/L)	BICARBONATE (HCO ₃) (MG/L)	CARBONATE (CO ₃) (MG/L)	ALKALINITY AS CaCO ₃ (MG/L)	DISSOLVED SULFATE (SO ₄) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DISSOLVED SOLIDS (TONS PER AC-FT)
OCT 01...	34	10	12	.4	1.0	29	0	24	6.3	7.5	56	.08
JAN 19...	40	10	14	1.2	1.1	36	0	30	9.8	6.1	72	.10
MAR 31...	46	8	17	1.3	.8	46	0	38	5.9	3.1	72	.10
JUL 14...	55	22	20	1.1	1.2	40	0	33	8.2	12	88	.12

DATE	DISSOLVED SOLIDS (TONS PER DAY)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRATE PLUS NITRITE (N) (MG/L)	TOTAL AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL NITROGEN (NO ₃) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	DISSOLVED PHOSPHORUS (P) (MG/L)	TOTAL ARSENIC (AS) (UG/L)
OCT 01...	259	.25	.01	.26	.05	.32	.37	.63	2.8	.12	.09	1
JAN 19...	1160	.15	.02	.17	.05	.60	.65	.82	3.6	.12	.06	1
MAR 31...	6240	.06	.05	.11	.26	.59	.85	.96	4.3	.25	.06	0
JUL 14...	375	.08	.02	.10	.01	.76	.77	.87	3.9	.10	.06	1

DATE	TOTAL CADMIUM (CD) (UG/L)	TOTAL CHROMIUM (CR) (UG/L)	HEXA-VALENT CHROMIUM (CR6) (UG/L)	TOTAL COPPER (CU) (UG/L)	TOTAL IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	TOTAL MANGANESE (MN) (UG/L)	TOTAL MERCURY (HG) (UG/L)	TOTAL SELENIUM (SE) (UG/L)	TOTAL ZINC (ZN) (UG/L)	TOTAL ORGANIC CARBON (C) (MG/L)	PHENOLS (UG/L)
OCT 01...	3	10	0	14	1600	6	150	.0	0	60	5.2	2
JAN 19...	3	<10	0	20	2400	4	100	.4	0	30	4.0	3
MAR 31...	2	10	0	11	6300	14	90	.1	0	30	12	2
JUL 14...	2	10	0	9	810	8	150	.1	0	40	5.6	2

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) above mean sea level. 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) above mean sea level.

REMARKS.--Records good. Records of chemical analyses for the current year at site 2.1 mi (3.4 km) upstream (station 02441400).

AVERAGE DISCHARGE.--61 years, 6,451 ft³/s (182.7 m³/s), 1951 in/yr (496 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) above mean sea level 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 36,500 ft³/s (1,030 m³/s) Apr. 3, gage height 26.11 ft (7.958 m); minimum, 650 ft³/s (18.4 m³/s) Aug. 25-26, gage height, 1.86 ft (0.567 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1670	3450	6850	11000	4990	4620	34300	2020	3420	2550	1550	1460
2	2390	3190	7920	10700	4390	4110	36100	2140	4290	2090	1350	2600
3	3680	3000	7320	11400	3900	3790	36000	2290	6920	1940	1140	3420
4	3310	2890	6670	14100	3540	3550	33400	2240	7560	1790	1000	4430
5	2430	2840	6160	16100	3400	3700	28600	2000	5940	2090	914	4580
6	1890	2920	5460	17100	12700	10700	20700	1820	6500	2530	842	3430
7	1720	5240	5690	18100	19500	16200	13800	4060	5060	1840	870	2850
8	1630	7160	6380	19700	21600	17400	8910	5550	3660	1590	815	5040
9	2020	6720	5820	18000	22300	21600	5920	5000	2770	1430	745	4000
10	2640	6170	4910	15200	22300	23700	4760	3490	2270	1280	715	3470
11	2610	5950	4260	11600	18300	23500	4130	15800	1970	1160	700	3190
12	2550	6100	3900	9770	10400	22700	3730	16200	1770	1080	700	2580
13	2280	6690	3630	9810	6710	20200	3580	13100	1610	1020	700	1970
14	1810	6770	3440	10400	5390	14700	3770	15400	1500	974	700	1540
15	1580	6370	3300	10500	4680	12400	3810	19100	1420	1100	700	1300
16	1550	5960	3450	9810	4210	16900	3590	19200	1360	1200	715	1170
17	9700	5130	4420	8070	3920	17300	3420	18300	1370	1410	826	1070
18	18400	4260	4610	6900	6860	15300	3140	15100	1620	1510	735	1010
19	22600	3810	4280	5950	14800	12100	2870	10200	1630	1430	740	952
20	26500	3600	3750	5180	17100	8530	2650	6610	2270	1230	740	914
21	28300	3800	3430	4580	17900	11500	2490	4990	2760	1050	735	963
22	26600	4550	3260	4170	19700	15800	2350	3930	2690	930	720	996
23	21200	4660	3140	3890	19700	17900	2260	3060	2230	870	700	963
24	13600	4330	3020	3630	18600	18900	2170	2530	1840	842	685	925
25	7710	3930	3870	3600	16600	18800	2210	2250	1620	848	660	864
26	5500	3710	10100	8840	13400	16100	2370	2090	1610	810	1270	859
27	5020	4480	13100	12400	10400	20000	2650	1970	2690	831	2610	853
28	5230	6720	13800	12900	7450	23800	2610	1980	3010	1130	1890	859
29	4800	6520	12800	11200	5500	25300	2260	2500	4010	1680	1360	859
30	4190	5850	10900	8750	---	27600	2050	3710	3090	1740	1190	941
31	3770	---	10600	6050	---	31300	---	3870	---	1730	1350	---
TOTAL	238880	146770	190240	319480	340240	500000	280600	212500	90460	43705	30367	60058
MEAN	7706	4892	6137	10310	11730	16130	9353	6855	3015	1410	980	2002
MAX	28300	7160	13800	19700	22300	31300	36100	19200	7560	2550	2610	5040
MIN	1550	2840	3020	3600	3400	3550	2050	1820	1360	810	660	853
CFSM	1.72	1.09	1.37	2.30	2.61	3.59	2.08	1.53	.67	.31	.22	.45
IN.	1.98	1.22	1.58	2.65	2.82	4.14	2.32	1.76	.75	.36	.25	.50
CAL YR 1975 TOTAL	3739451			MEAN 10250	MAX 115000	MIN 820	CFSM 2.28	IN 30.98				
WTR YR 1976 TOTAL	2453300			MEAN 6703	MAX 36100	MIN 660	CFSM 1.49	IN 20.33				

MOBILE RIVER BASIN

02441500 TOMBIGBEE RIVER AT COLUMBUS, MS--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.89	5.03	8.64	12.61	7.54	7.17	25.25	4.17	5.89	4.85	3.48	3.32
2	4.87	4.75	4.87	12.38	6.93	6.66	25.94	4.34	6.80	4.27	3.15	4.89
3	6.50	4.53	4.21	12.55	6.42	5.30	25.91	4.53	9.27	4.05	2.79	5.89
4	6.08	4.40	4.46	14.79	6.02	6.03	24.88	4.46	9.34	3.84	2.53	6.97
5	4.96	4.33	7.84	10.05	5.07	6.14	22.65	4.14	8.39	4.27	2.37	7.12
6	4.20	4.43	7.04	10.67	13.71	12.29	18.51	3.83	8.91	4.46	2.24	5.89
7	3.95	6.30	7.29	17.24	18.01	16.12	14.77	6.52	7.60	3.92	2.29	5.23
8	3.82	9.05	4.11	14.11	14.11	16.44	10.93	4.05	6.15	3.55	2.19	7.53
9	4.38	4.52	7.43	17.14	19.49	19.10	8.37	7.55	5.12	3.28	2.05	6.53
10	5.24	7.85	6.58	17.48	19.40	20.20	7.31	5.97	4.50	3.03	1.99	5.84
11	5.20	7.60	5.93	13.07	17.29	20.09	6.68	15.79	4.10	2.82	1.96	5.48
12	5.13	7.78	5.54	11.67	12.11	19.08	6.23	14.09	3.81	2.67	1.96	4.61
13	4.76	9.44	5.24	11.70	9.09	18.35	6.07	14.14	3.53	2.56	1.96	3.80
14	4.08	3.57	5.03	12.18	7.90	15.20	6.24	15.60	3.40	2.48	1.96	3.16
15	3.74	8.10	4.87	12.24	7.23	13.64	6.32	17.76	3.26	2.71	1.96	2.76
16	3.70	7.62	5.03	11.69	6.76	16.50	6.08	17.85	3.16	2.89	1.99	2.53
17	11.65	6.78	5.03	10.27	6.44	15.79	5.49	17.33	3.19	3.25	2.20	2.36
18	17.50	5.93	6.24	9.26	9.07	15.58	5.58	15.41	3.60	3.42	2.03	2.24
19	19.77	5.44	7.45	8.45	15.24	13.42	5.25	11.95	3.62	3.28	2.04	2.14
20	21.73	5.21	7.37	7.71	16.04	10.55	4.98	9.00	4.50	2.95	2.04	2.07
21	22.66	5.43	5.01	7.13	17.12	12.91	4.77	7.54	5.11	2.61	2.03	2.16
22	21.64	6.22	4.83	7.72	18.09	15.47	4.60	6.45	5.03	2.40	2.00	2.22
23	18.84	5.33	4.70	7.41	18.10	17.11	4.49	5.48	4.45	2.29	1.96	2.16
24	14.00	6.00	4.55	7.12	17.50	17.59	4.37	4.83	3.92	2.24	1.93	2.09
25	9.80	5.58	5.42	6.09	16.38	17.61	4.42	4.48	3.60	2.25	1.88	1.98
26	7.11	5.33	11.83	14.85	14.33	16.07	4.62	4.27	3.59	2.18	3.02	1.97
27	6.68	6.12	14.19	13.64	12.14	18.23	4.98	4.10	5.02	2.22	4.91	1.96
28	6.87	3.51	14.60	13.58	9.74	20.20	4.92	4.12	5.42	2.75	3.98	1.97
29	6.47	3.29	13.95	12.74	7.99	20.48	4.92	4.79	6.54	3.69	3.16	1.97
30	5.86	7.49	12.57	10.82	---	22.15	4.22	6.21	5.50	3.77	2.87	2.12
31	5.40	---	12.27	3.53	---	23.44	---	6.39	---	3.75	3.15	---
MEAN	8.73	6.55	7.73	11.77	12.47	15.47	9.65	8.49	5.23	3.18	2.45	3.70
MAX	22.66	9.05	14.60	17.11	19.49	23.74	25.94	17.85	9.84	4.85	4.91	7.53
MIN	3.70	4.33	4.55	6.09	5.87	6.03	4.22	3.88	3.10	2.18	1.88	1.96
CAL YR 1975	MEAN 10.05		MAX 37.64	MIN 2.46								
WTR YR 1976	MEAN 7.45		MAX 25.94	MIN 1.78								

02443000 LUXAPALLILA CREEK AT STEENS, MS

LOCATION.--Lat 33°33'35", long 88°18'55", in NE¼ sec.27, T.17 S., R.17 W., Huntsville Meridian, Lowndes County, Hydrologic Unit 03160105, on left bank at downstream side of highway bridge, 0.2 mi (0.3 km) southeast of Steens, 1 mi (1.6 km) upstream from Yellow Creek, and 6.5 mi (10.5 km) northeast of Columbus.

DRAINAGE AREA.--309 mi² (800 km²).

PERIOD OF RECORD.--October 1943 to September 1947, October 1949 to current year. Prior to October 1966, published as Luxapallila Creek at Steens.

REVISED RECORDS.--WSP 1172: 1946 (M).

GAGE.--Water-stage recorder. Datum of gage is 179.45 ft (54.696 m) above mean sea level (levels by Corps of Engineers). Prior to Oct. 1, 1947, nonrecording gage at same site and datum.

REMARKS.--Records good.

COOPERATION.--Gage-height record and 8 discharge measurements furnished by Corps of Engineers.

AVERAGE DISCHARGE.--31 years, 500 ft³/s (14.16 m³/s), 21.97 in/yr (558 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 14,200 ft³/s (402 m³/s) Feb. 23, 1961, gage height, 18.90 ft (5.761 m); minimum, 23 ft³/s (0.65 m³/s) Aug. 14, 1954, gage height, 2.52 ft (0.768 m).

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since at least 1916, from newspaper reports, 19.2 ft (5.85 m) Jan. 6, 1949, discharge about 16,000 ft³/s (453 m³/s).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 6,250 ft³/s (177 m³/s) Oct. 19, gage height, 16.55 ft (5.044 m), only peak above base of 5,000 ft³/s (142 m³/s); minimum, 87 ft³/s (2.46 m³/s) Aug. 25, gage height, 3.61 ft (1.100 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	205	324	815	1160	571	516	3140	291	403	239	259	272
2	200	313	1190	1150	524	484	2060	342	433	216	196	428
3	198	302	806	964	487	466	1350	328	735	199	168	443
4	196	297	634	1050	450	446	1050	282	613	269	146	299
5	187	295	540	967	469	461	881	249	549	532	134	295
6	180	291	487	759	1010	794	776	233	533	585	128	270
7	196	347	463	889	2360	1890	698	688	433	349	132	241
8	434	378	443	1560	1530	1460	635	2380	326	257	162	324
9	1570	410	420	1670	991	1680	568	1470	280	223	142	398
10	1040	369	343	997	806	2450	528	929	255	203	125	289
11	599	364	374	838	698	1500	480	2320	233	189	118	245
12	428	448	363	856	637	1100	459	3030	219	180	110	202
13	342	612	344	1010	585	1050	490	1510	205	172	110	164
14	297	812	340	934	543	1140	504	1370	196	167	105	142
15	272	539	333	1040	508	1090	451	2000	185	196	102	131
16	325	428	349	853	482	2120	436	2080	181	190	118	125
17	1760	378	406	724	471	2110	398	1560	196	175	122	122
18	4780	350	440	643	909	1310	364	1140	200	190	131	119
19	5960	328	379	568	2330	1020	335	785	280	196	119	113
20	4200	347	344	518	1950	889	319	613	338	172	106	112
21	1490	388	333	500	1160	1250	302	509	347	158	99	110
22	824	528	326	497	1210	2230	284	436	257	150	95	108
23	649	461	322	471	1370	1290	278	400	202	144	92	107
24	563	371	311	456	958	961	270	383	183	143	92	103
25	495	342	398	484	788	820	322	390	180	146	91	101
26	480	333	826	869	707	829	438	352	180	144	92	100
27	467	374	1520	1760	649	1890	406	324	168	144	91	101
28	495	495	907	1050	594	3570	313	383	486	167	112	104
29	446	490	692	754	546	2520	278	703	591	245	119	110
30	390	490	611	690	---	2130	268	750	324	333	134	116
31	352	---	666	623	---	2990	---	509	---	280	142	---
TOTAL	30020	12194	16775	27384	26293	44366	19081	28739	9711	6953	3892	5794
MEAN	968	406	541	883	907	1431	636	927	324	224	126	193
MAX	5960	812	1520	1760	2360	3570	3140	3030	735	585	259	443
MIN	180	291	311	456	450	446	268	233	168	143	91	100
CFSM	3.13	1.31	1.75	2.86	2.94	4.63	2.06	3.00	1.05	.72	.41	.62
IN.	3.61	1.47	2.02	3.30	3.17	5.34	2.30	3.46	1.17	.84	.47	.70
CAL YR 1975	TOTAL	284557	MEAN 780	MAX 8770	MIN 137	CFSM 2.52	IN 34.26					
WTR YR 1976	TOTAL	231202	MEAN 632	MAX 5960	MIN 91	CFSM 2.05	IN 27.83					

MOBILE RIVER BASIN

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).

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

GAGE.--Water-stage recorder. Datum of gage is 142.23 ft (43.352 m) above mean sea level. 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.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 21,400 ft³/s (606 m³/s) Mar. 15, 1975, gage height, 28.31 ft (8.629 m); minimum, since October 1974, 162 ft³/s (4.59 m³/s) Sept. 16, 1975, gage height, 8.32 ft (2.536 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.--Maximum discharge, 10,100 ft³/s (286 m³/s) Oct. 19, gage height, 24.05 ft (7.330 m), only peak above base of 8,000 ft³/s (227 m³/s); minimum, 156 ft³/s (4.42 m³/s) Aug. 25, gage height, 7.77 ft (2.368 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	368	692	1620	2200	1270	1030	6430	533	1230	494	561	360
2	332	641	2160	2490	1140	996	5610	649	1090	397	434	753
3	315	600	1930	2330	1010	933	3790	680	1300	350	317	774
4	303	582	1620	2410	963	891	2170	604	1300	408	250	630
5	284	572	1440	2380	937	916	650	506	1090	837	219	554
6	269	597	1200	1920	2470	1900	1470	437	1080	1130	207	608
7	289	769	1050	2010	3530	3170	1300	1730	942	782	207	550
8	414	1000	975	2880	3580	3370	1230	3590	716	530	235	732
9	1680	1070	912	3350	2740	3850	1170	3740	586	411	241	832
10	1710	984	849	2610	2310	4710	1130	2630	500	355	210	853
11	1040	946	795	2150	1840	4000	1060	5210	434	317	191	795
12	761	1270	744	2120	1500	3100	988	6750	389	293	182	668
13	568	1720	704	2160	1330	2690	979	4450	358	275	175	500
14	462	2000	676	2100	1210	2470	1020	3870	334	261	172	334
15	402	1670	649	2150	1110	2370	975	4400	317	271	167	256
16	422	1470	688	1950	967	3470	933	4880	305	293	172	229
17	2450	1260	862	1670	979	4120	862	3960	317	280	185	213
18	5560	988	958	1450	1850	3080	782	3140	327	295	203	203
19	9390	832	866	1270	3480	2410	700	2250	443	332	223	197
20	8650	795	765	1140	4090	2100	649	1690	672	282	207	193
21	4380	988	692	1070	2940	2830	604	1320	728	252	183	189
22	2260	1170	656	916	2660	3520	557	1070	568	238	172	186
23	1630	1100	630	824	2890	3040	516	921	419	229	166	185
24	1290	967	604	929	2280	2340	487	841	337	228	162	181
25	1090	874	740	963	1940	1860	586	816	310	229	159	177
26	992	807	1800	1770	1690	1740	790	753	293	235	160	175
27	996	912	2700	2810	1460	3260	828	688	278	239	163	176
28	1030	1130	2310	2460	1290	5350	680	757	462	282	168	180
29	967	1170	1860	1850	1160	6050	568	1270	1120	437	194	184
30	862	1080	1700	1720	---	5150	506	1710	716	630	191	195
31	769	---	1730	1450	---	6170	---	1420	---	590	208	---
TOTAL	51935	30656	36885	59582	56616	92886	41020	67265	18961	12182	6684	12062
MEAN	1675	1022	1190	1922	1952	2996	1367	2170	632	393	216	402
MAX	9390	2000	2700	3350	4090	6170	6430	6750	1300	1130	561	853
MIN	269	572	604	824	937	891	487	437	278	228	159	175
CFSM	2.31	1.41	1.64	2.65	2.69	4.13	1.88	2.99	.87	.54	.30	.55
IN.	2.66	1.57	1.89	3.05	2.90	4.76	2.10	3.45	.97	.62	.34	.62

CAL YR 1975 TOTAL 603612 MEAN 1654 MAX 20300 MIN 168 CFSM 2.28 IN 30.93
WTR YR 1976 TOTAL 486734 MEAN 1330 MAX 9390 MIN 159 CFSM 1.83 IN 24.94

02444500 TOMBIGBEE RIVER NEAR COCHRANE, AL

LOCATION (revised).--Lat 33°04'45", long 88°14'18", in N½ sec. 7, T.24 N., R.2 W., Pickens County, Hydrologic Unit 03160106, near left bank on downstream side of bridge on State Highway 17, 1.2 mi (1.9 km) northeast of Cochrane, 2.2 mi (3.5 km) downstream from Boguechitto Creek, 7 mi (11 km) southwest of Aliceville, and at mile 271.4 (436.7 km).

DRAINAGE AREA.--5,990 mi² (15,500 km²), approximately.

PERIOD OF RECORD.--October 1938 to current year. Monthly discharge only for period October to December 1938, published in WSP 1304: Gage-height records collected at same site from November 1909 to September 1924 are contained in reports of the National Weather Service.

GAGE.--Water-stage recorder. Datum of gage is 89.85 ft (27.386 m) above mean sea level. Prior to July 10, 1939, nonrecording gage at site 200 ft (61 m) downstream at same datum. Since Jan. 30, 1940, auxiliary water-stage recorder or nonrecording gage 14 mi (23 km) downstream from base gage at datum 7.76 ft (2.365 m) lower.

REMARKS.--Water-discharge record good.

AVERAGE DISCHARGE.--38 years, 8,662 ft³/s (245.3 m³/s), 19.64 in/yr (499 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 166,000 ft³/s (4,700 m³/s) Mar. 21, 1973; maximum gage height, 47.37 ft (14.438 m) Mar. 21, 1973; minimum discharge, 165 ft³/s (4.67 m³/s) Sept. 21, 1954; gage height, 2.34 ft (0.713 m).

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in April 1892 reached a stage of 50.2 ft (15.30 m), present datum (discharge not determined), from reports of National Weather Service.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 45,800 cfs (1,300 m³/s) Apr. 4; maximum gage height, 35.06 ft (10.686 m) Apr. 2; minimum, 775 ft³/s (21.9 m³/s) Aug. 26, gage height, 4.15 ft (1.265 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3040	4650	9400	16100	8610	7820	44000	3300	6120	4140	2520	1950
2	2670	4170	11000	15600	7640	7140	45500	3330	5520	3400	2230	2510
3	4350	3830	11200	15700	6910	6450	45700	3530	8070	2830	1910	4070
4	5360	3580	9760	17200	6220	5960	45800	3630	10500	2640	1610	5250
5	4670	3440	8780	14800	5670	5630	44700	3320	9550	2840	1420	6720
6	3500	3370	7820	20300	10500	9880	41300	2960	8840	3520	1290	6120
7	2900	3930	7210	21500	21300	19200	34000	4490	8760	3430	1220	4760
8	2780	4040	8040	23800	24900	22000	25800	10600	6710	2800	1240	5190
9	2770	9410	8200	25000	26600	26300	14300	10700	5060	2300	1200	7540
10	4030	8380	7120	23100	27300	29100	8470	8290	3900	1990	1160	6080
11	4600	7680	5960	19600	26900	30500	7630	11800	3250	1780	1110	5040
12	4250	7520	5180	15500	22900	30700	6670	21800	2820	1610	1050	4350
13	3990	8590	4720	13800	13400	31700	6100	24000	2530	1510	992	3330
14	3390	9570	4350	14400	9050	28500	5800	27800	2300	1440	950	2590
15	2770	9010	4100	14500	7780	29200	5500	24300	2140	1380	926	2050
16	3080	8170	4590	14100	7230	39000	5400	25800	2040	1530	914	1710
17	16900	7290	5510	12500	6590	41000	5200	26300	1990	1680	950	1540
18	24900	6050	6290	10800	8520	39000	4800	24800	2070	1910	1210	1440
19	27000	5080	6120	9550	18000	35000	4500	20600	2390	2040	998	1380
20	28700	4570	5380	8480	21500	30000	4200	13100	2610	1920	992	1330
21	30600	4500	4610	7700	22900	28000	4000	8880	3820	1660	980	1280
22	31200	5150	4150	7110	24600	25000	3750	7450	4150	1440	932	1310
23	29900	5930	3900	6550	25300	24000	3520	6200	3790	1320	878	1360
24	26600	5840	3720	6130	25100	22000	3390	4960	3040	1240	830	1330
25	18600	5280	4810	6140	23800	21000	4290	4200	2520	1190	824	1270
26	9480	4770	13000	13800	21100	22000	4290	3760	2260	1170	790	1220
27	7130	4850	16900	16700	16800	24000	4300	3460	2590	1160	1750	1170
28	7010	7150	17800	18300	12700	27000	4450	3390	3880	1210	3290	1160
29	6810	9250	17800	17200	9440	32000	3970	3840	4800	1670	2410	1200
30	6100	8320	16400	14500	---	37000	3420	5190	5440	2390	1840	1170
31	5250	---	15600	11100	---	41000	---	6400	---	2580	1640	---
TOTAL	334330	187370	259420	455560	469260	777080	444750	327180	133460	63720	42056	87420
MEAN	10780	6246	8368	14700	16180	25070	14830	10550	4449	2055	1357	2914
MAX	31200	9570	17800	25000	27300	41000	45800	26300	10500	4140	3290	7540
MIN	2670	3370	3720	6130	5670	5630	3390	2960	1990	1160	790	1160
CFSM	1.80	1.04	1.40	2.45	2.70	4.19	2.48	1.76	.74	.34	.23	.49
IN.	2.08	1.16	1.61	2.83	2.91	4.83	2.76	2.03	.83	.40	.26	.54

CAL YR 1975 TOTAL 4986266 MEAN 13660 MAX 106000 MIN 752 CFSM 2.28 IN 30.97
WTR YR 1976 TOTAL 3581606 MEAN 9786 MAX 45800 MIN 790 CFSM 1.63 IN 22.24

02448000 NOXUBEE RIVER AT MACON, MS

LOCATION.--Lat 33°06'05", 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.

GAGE.--Water-stage recorder. Datum of gage is 142.38 ft (43.397 m) above mean sea level (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. Occasional slight regulation by Bluff Lake at low water.

AVERAGE DISCHARGE.--42 years, 1,004 ft³/s (28.43 m³/s), 16.79 in/yr (426 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 52,000 ft³/s (1,470 m³/s) Mar. 30, 1951, gage height, 32.97 ft (10.049 m); minimum, 22 ft³/s (0.623 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)
Oct. 18	1300	14,000 396	28.67 8.739	Apr. 1	0600	12,900 365	28.39 8.653
Mar. 16	1700	*16,600 470	29.29 8.925				

Minimum discharge, 88 ft³/s (2.49 m³/s) Aug. 25, 26, gage height, 6.12 ft (1.865 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	201	284	832	2890	1070	476	12300	297	230	816	297	117
2	187	265	581	2130	684	430	9290	302	223	570	217	169
3	155	250	473	2300	546	392	8080	256	265	313	228	163
4	134	242	436	2150	473	367	7350	236	603	387	166	402
5	130	240	359	1650	425	352	6460	211	1910	489	174	430
6	139	240	337	1570	1280	1900	5640	197	538	457	167	230
7	146	267	541	2300	2250	3820	3920	954	389	516	152	208
8	158	318	708	3390	2090	3450	1280	2550	420	568	136	694
9	174	325	743	3200	1950	4700	676	2110	299	460	123	1130
10	148	352	730	2470	2140	5030	565	895	228	337	116	487
11	138	347	565	2100	2310	5100	524	624	201	265	112	250
12	138	297	454	2220	1870	4720	476	468	183	240	107	178
13	129	339	399	1920	875	5010	441	430	175	217	104	161
14	114	313	374	1910	592	5060	446	1440	163	211	101	145
15	107	275	354	1510	500	6820	374	1910	154	201	99	129
16	392	252	689	1160	446	14700	337	2440	174	201	104	119
17	6690	219	840	973	410	12100	313	2520	260	199	271	112
18	13000	190	570	770	2290	7460	295	2230	250	232	138	108
19	9930	180	433	627	4230	6110	279	2120	185	197	107	105
20	6860	182	389	541	4240	5240	273	1810	210	175	98	103
21	5810	192	347	484	3610	5590	267	892	201	166	96	102
22	4910	211	311	443	3430	5630	252	489	185	163	95	99
23	4300	206	286	415	3380	5100	234	362	177	151	94	98
24	3400	204	271	387	3380	3440	246	306	164	139	90	101
25	1160	206	1280	662	3030	2180	651	273	149	130	89	98
26	511	208	4360	3840	2110	2620	613	252	139	126	104	96
27	441	342	4290	4030	984	5620	407	236	142	125	221	95
28	412	382	3300	2940	659	6500	389	265	359	138	141	94
29	379	337	2180	2010	549	6670	327	315	684	190	108	99
30	352	412	2150	1970	---	7320	290	275	808	183	104	103
31	313	---	2970	1830	---	11100	---	242	---	211	118	---
TOTAL	61058	8077	32552	56752	51803	155007	62995	27907	10068	8773	4277	6425
MEAN	1970	269	1050	1832	1786	5000	2100	900	336	283	138	214
MAX	13000	412	4360	4030	4240	14700	12300	2550	1910	816	297	1130
MIN	107	180	271	387	410	352	234	197	139	125	89	94
CFSM	2.43	.33	1.29	2.26	2.20	6.16	2.59	1.11	.41	.35	.17	.26
IN.	2.80	.37	1.49	2.60	2.37	7.10	2.89	1.28	.46	.40	.20	.29

CAL YR 1975	TOTAL	583972	MEAN	1600	MAX	27500	MIN	107	CFSM	1.97	IN	26.75
WTR YR 1976	TOTAL	485734	MEAN	1327	MAX	14700	MIN	89	CFSM	1.63	IN	22.25

02448500 NOXUBEE RIVER NEAR GEIGER, AL

LOCATION.--Lat 32°55'06", long 88°17'45", in SE¼ sec.33, T.23 N., R.3 W., Sumter County, Hydrologic Unit 03160108, near left bank on downstream side of bridge on State Highway 17, 0.5 mi (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) above mean sea level. Prior to Sept. 30, 1940, nonrecording gage at site of old highway bridge 1 mi (1.6 km) downstream at datum 84.64 ft (25.798 m) above mean sea level. July 26, 1944, to June 5, 1949, nonrecording gage at present site and datum. Water-stage recorder for Tombigbee River at Gainesville is used as an auxiliary gage for this station.

REMARKS.--Records fair. Discharge includes flow of Noxubee cutoff channel at bridge on State Highway 17, 1 mi (1.6 km) north of gage. Records of specific conductance and water temperature for the water year 1976 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--32 years (water years 1939-40, 1944-65, 1966-76), 1,508 ft³/s (42.71 m³/s), 17.95 in/yr (456 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 37,600 ft³/s (1,060 m³/s) Mar. 31, 1951, gage height, 42.7 ft (13.01 m); minimum, 15 ft³/s (0.37 m³/s) July 7, 1954.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 18,200 ft³/s (515 m³/s) Mar. 18, gage height, 37.62 ft (11.467 m); minimum, 98 ft³/s (2.78 m³/s) Aug. 26, 27.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	202	397	861	4310	1970	737	14800	422	379	908	244	137
2	247	362	1110	3610	1380	666	14300	424	368	929	349	251
3	214	334	725	3480	960	619	13900	421	353	716	297	222
4	198	314	539	4060	776	581	12900	365	356	453	283	277
5	163	297	488	2990	688	556	11400	328	881	427	235	700
6	148	289	436	2000	921	1450	9930	310	1790	624	203	772
7	154	290	558	2040	1750	4120	8630	1420	786	555	218	403
8	176	303	787	3210	2190	4420	6950	2860	498	576	197	385
9	206	340	852	3500	2000	6430	3340	3670	527	641	169	1160
10	211	363	850	3140	1820	7230	1040	2510	432	555	145	1620
11	188	371	823	2570	1920	6480	1020	1300	342	437	130	1210
12	158	409	659	2350	2070	5740	897	936	294	349	121	488
13	149	355	528	2450	1840	7450	742	564	267	299	116	318
14	146	339	467	2450	1130	8300	621	2050	249	282	111	260
15	135	350	441	2360	800	8870	620	4490	233	267	109	228
16	616	314	1190	1810	687	15900	553	3400	221	259	106	200
17	6210	291	2190	1390	631	17200	492	3000	266	251	106	178
18	9040	269	1610	1180	767	18100	457	2540	447	244	205	161
19	9100	238	976	955	3120	16900	433	2150	441	276	247	150
20	8960	221	678	838	3920	14000	411	2040	388	266	142	141
21	9080	219	592	744	4060	12800	396	1850	378	227	112	135
22	8820	219	541	681	4680	11600	392	1210	328	206	104	128
23	7980	235	490	634	3990	9460	371	763	284	196	100	123
24	6490	238	452	604	3330	7590	350	511	268	190	101	119
25	4450	233	1060	607	3150	5570	408	449	268	171	101	117
26	1890	236	4570	3630	2900	4140	1040	409	239	155	98	117
27	666	255	5370	5540	2120	10100	1030	386	213	153	99	117
28	563	384	4720	4850	1150	11800	562	380	199	188	239	112
29	515	435	3720	3500	831	10500	499	436	336	170	265	110
30	464	452	2770	2310	---	10200	447	485	741	202	171	109
31	428	---	3440	2090	---	13400	---	439	---	252	131	---
TOTAL	77967	9352	44493	75963	57551	252949	108931	42518	12772	11424	5254	10448
MEAN	2515	312	1435	2450	1985	8160	3631	1372	426	369	169	348
MAX	9100	452	5370	5540	4680	18100	14800	4490	1790	929	349	1620
MIN	135	219	436	604	631	556	350	310	199	153	98	109
CFSM	2.21	.27	1.25	2.15	1.74	7.16	3.19	1.20	.37	.32	.15	.31
IN.	2.54	.31	1.45	2.48	1.88	8.25	3.55	1.39	.42	.37	.17	.34

CAL YR 1975 TOTAL 784977 MEAN 2151 MAX 22700 MIN 135 CFSM 1.89 IN 25.62
WTR YR 1976 TOTAL 709622 MEAN 1939 MAX 18100 MIN 98 CFSM 1.70 IN 23.16

PASCAGOULA RIVER BASIN

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) above mean sea level (Mississippi State Highway Department bench mark). Prior to Dec. 8, 1938, nonrecording gage at same site and datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--38 years, 1,063 ft³/s (30.10 m³/s), 19.20 in/yr (488 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)
Oct. 19	2400	9,140 259	17.53 5.343	Apr. 2	0300	*18,200 515	23.77 7.245
Mar. 18	1100	10,000 283	18.28 5.572				

Minimum discharge, 120 ft³/s (3.40 m³/s) Aug. 26, 27, 28, gage height, 4.13 ft (1.259 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	588	317	721	1330	934	364	16400	456	500	398	197	390
2	918	305	1200	1300	842	348	17800	585	470	305	244	385
3	714	292	1240	1240	704	338	10300	420	810	270	297	255
4	448	282	774	1500	603	332	3520	320	918	246	285	212
5	348	277	518	1630	543	322	2380	280	648	270	248	230
6	300	277	448	1150	549	343	1660	267	518	448	199	332
7	280	277	476	858	606	490	1260	467	504	481	175	275
8	297	290	445	858	707	1220	1120	1520	420	417	164	282
9	305	310	415	954	686	4000	926	1810	369	358	153	332
10	290	374	382	934	567	3800	826	1710	327	302	148	230
11	265	506	353	704	509	3840	721	1360	307	290	143	188
12	246	520	332	655	476	2580	655	850	292	260	139	188
13	235	390	320	693	456	1510	606	600	287	260	138	178
14	228	325	310	1020	434	2270	606	1050	277	260	138	161
15	218	292	302	1370	417	4770	570	3020	265	300	138	149
16	570	272	302	1460	406	6840	540	4380	307	250	136	142
17	4270	262	484	966	401	8850	506	4380	700	220	134	138
18	4910	253	986	693	398	9860	484	2700	543	200	131	135
19	7910	248	1170	585	434	6660	459	1620	806	190	127	131
20	6850	244	842	526	450	2800	442	970	700	180	126	129
21	2500	260	558	452	484	2740	428	630	532	170	126	129
22	1460	270	459	470	850	3200	415	540	434	170	123	129
23	753	267	409	456	1270	3330	401	484	320	170	122	127
24	573	262	379	445	1030	2410	388	456	270	210	123	124
25	501	253	423	558	644	1580	456	540	246	180	122	126
26	467	258	1090	2960	506	1270	700	700	228	170	120	126
27	425	476	1780	3220	448	1840	555	600	222	165	120	126
28	406	798	1850	2860	406	2570	456	1370	290	164	121	123
29	388	874	1270	2130	382	3290	374	1220	693	164	182	124
30	361	603	942	1160	---	8170	310	890	686	164	175	127
31	335	---	1120	786	---	14400	---	660	---	185	152	---
TOTAL	38359	10634	22300	35963	17142	106337	66264	36855	13889	7817	4946	5723
MEAN	1237	354	719	1160	591	3430	2209	1189	463	252	160	191
MAX	7910	874	1850	3220	1270	14400	17800	4380	918	481	297	390
MIN	218	244	302	445	382	322	310	267	222	164	120	123
CFSM	1.64	.47	.96	1.54	.79	4.56	2.94	1.58	.62	.34	.21	.25
IN.	1.90	.53	1.10	1.78	.85	5.26	3.28	1.82	.69	.39	.24	.28

CAL YR 1975 TOTAL 506379 MEAN 1387 MAX 17700 MIN 193 CFSM 1.84 IN 25.05
WTR YR 1976 TOTAL 366229 MEAN 1001 MAX 17800 MIN 120 CFSM 1.33 IN 18.12

02472500 BOWIE 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) above mean sea level (levels by Corps of Engineers). Prior to Dec. 8, 1938, nonrecording gage at same site and datum.

REMARKS.--Record good.

AVERAGE DISCHARGE.--38 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.--Maximum discharge, 7,590 ft³/s (215 m³/s) Apr. 1, gage height, 19.29 ft (5.880 m), only peak above base of 4,000 ft³/s (113 m³/s); minimum, 139 ft³/s (3.94 m³/s) Sept. 25, 26, gage height, 2.74 ft (0.835 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	250	204	337	387	563	226	7200	211	218	263	274	159
2	214	203	354	323	568	224	4800	210	331	227	238	162
3	213	203	302	699	407	223	1510	199	264	205	225	162
4	204	203	257	709	333	223	714	186	228	247	199	177
5	197	205	240	466	303	221	518	180	203	199	176	200
6	199	219	251	355	558	237	447	177	191	217	167	188
7	204	216	402	345	756	321	400	211	183	208	162	180
8	207	212	359	451	491	308	358	279	177	213	160	175
9	210	215	325	368	368	739	329	312	170	344	156	181
10	204	243	273	308	321	875	301	308	164	220	154	201
11	197	278	250	290	300	626	281	273	159	186	151	170
12	193	237	240	317	289	372	269	251	158	177	150	157
13	191	221	234	330	279	330	269	230	155	177	149	151
14	189	210	230	373	269	1080	279	238	152	178	147	148
15	189	204	228	384	262	1570	267	316	149	231	146	145
16	498	202	230	320	259	2280	256	420	179	216	146	144
17	1090	203	318	286	256	2060	243	440	864	199	145	142
18	908	202	406	267	253	1360	235	360	808	181	144	141
19	621	202	349	255	251	922	226	238	429	173	142	140
20	485	205	286	248	250	581	221	202	296	168	141	140
21	342	216	259	244	296	668	226	188	235	164	140	142
22	263	221	247	242	417	722	243	182	208	162	140	140
23	242	214	240	239	364	547	228	180	195	171	140	140
24	232	207	235	237	297	416	210	180	188	180	141	140
25	226	205	257	319	263	392	205	287	185	189	141	139
26	221	210	401	1480	248	397	208	260	180	177	140	140
27	220	260	396	860	242	590	205	373	176	184	145	142
28	220	313	322	618	236	711	194	848	174	174	149	142
29	217	285	307	462	231	528	189	472	175	164	147	144
30	212	249	380	349	---	1940	192	301	187	167	159	144
31	207	---	476	309	---	6490	---	233	---	218	154	---
TOTAL	9265	6667	9391	12841	9930	28179	21223	8745	7381	6179	4968	4676
MEAN	299	222	303	414	342	909	707	282	246	199	160	156
MAX	1090	313	476	1480	756	6490	7200	848	864	344	274	201
MIN	189	202	228	237	231	221	189	177	149	162	140	139
CFSM	.98	.73	1.00	1.36	1.13	2.99	2.33	.93	.81	.65	.53	.51
IN.	1.13	.82	1.15	1.57	1.22	3.45	2.60	1.07	.90	.76	.61	.57

CAL YR 1975 TOTAL 228492 MEAN 626 MAX 9910 MIN 189 CFMS 2.06 IN 27.96
WTR YR 1976 TOTAL 129445 MEAN 354 MAX 7200 MIN 139 CFMS 1.16 IN 15.84

PASCAGOULA RIVER BASIN

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) above mean sea level (levels by Corps of Engineers). Prior to Jan. 15, 1939, nonrecording gage at same site and datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--38 years, 2,616 ft³/s (74.09 m³/s), 20.18 in/yr (513 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, 3.38 ft (1.030 m) Sept. 17, 18, 1972.

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, 30,900 ft³/s (875 m³/s) Apr. 2, gage height, 23.57 ft (7.184 m); minimum, 514 ft³/s (14.6 m³/s) Aug. 26, gage height, 3.28 ft (1.000 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1440	1210	1760	2710	2350	1290	29100	1110	1420	1510	1120	1020
2	1650	1190	2060	2540	2990	1260	30600	1120	1470	1260	1620	934
3	1720	1160	2330	4860	2350	1240	26000	1080	1590	1080	1260	1190
4	1480	1140	2050	4890	1920	1240	20100	992	1790	1080	1070	1100
5	1250	1130	1610	3600	1730	1230	11200	922	1720	1020	966	1080
6	1150	1140	1460	2980	2550	1230	4860	886	1430	1140	844	1100
7	1170	1170	2050	2380	3350	1500	3630	992	1240	1200	760	1150
8	1220	1170	1840	2640	2410	1690	3020	2440	1150	1230	706	1060
9	1180	1190	1610	2320	2030	3870	2560	3460	1060	1210	664	940
10	1150	1320	1440	2120	1800	7400	2280	3400	992	1200	640	1390
11	1090	1510	1350	1900	1650	6870	2030	3160	940	959	622	1060
12	1060	1510	1290	1750	1560	5800	1830	2610	910	916	604	856
13	1030	1410	1250	1810	1520	3850	1730	1840	880	934	592	750
14	1000	1250	1230	1940	1480	4260	1640	1710	850	966	586	720
15	994	1170	1210	2510	1430	8410	1570	2990	832	940	580	690
16	1850	1130	1210	2710	1400	12200	1500	5700	850	1120	574	670
17	8160	1100	1450	2380	1380	13800	1400	6300	1800	1040	580	650
18	8940	1090	2120	1840	1370	13800	1310	5820	3250	904	563	630
19	8540	1080	2430	1620	1370	13800	1240	3540	2210	838	552	630
20	9780	1090	2190	1520	1420	11400	1180	2230	1980	790	536	660
21	9170	1150	1720	1460	1460	6050	1190	1580	1650	754	530	630
22	4050	1160	1500	1420	2170	6480	1250	1360	1390	724	530	620
23	2470	1150	1160	1350	2450	6080	1150	1240	1180	712	530	610
24	1790	1110	1330	1360	2460	5570	1070	1240	1020	784	525	605
25	1600	1090	1400	1370	1930	4330	1080	1420	972	880	520	600
26	1500	1100	2030	5600	1580	3470	1070	1360	898	934	519	595
27	1450	1230	2850	7650	1450	4020	1110	2820	856	808	530	590
28	1390	1590	3220	6410	1380	5930	1040	5180	826	826	541	585
29	1350	1850	2870	5260	1340	5660	992	3450	1050	826	598	580
30	1300	1740	2350	3740	---	9050	992	2430	1680	742	694	580
31	1240	---	2710	2340	---	23200	---	1710	---	1080	700	---
TOTAL	83164	37330	57100	89060	54280	195980	159724	76092	39886	30407	21656	24275
MEAN	2683	1244	1842	2873	1872	6322	5324	2455	1330	981	699	809
MAX	9780	1850	3220	7650	3350	23200	30600	6300	3250	1510	1620	1390
MIN	994	1080	1160	1360	1340	1230	992	886	826	712	519	580
CFSM	1.52	.71	1.05	1.63	1.06	3.59	3.03	1.39	.76	.56	.40	.46
IN.	1.76	.79	1.21	1.88	1.15	4.14	3.38	1.61	.84	.64	.46	.51

CAL YR 1975 TOTAL 1361374 MEAN 3730 MAX 26500 MIN 994 CFSM 2.12 IN 28.77
WTR YR 1976 TOTAL 868954 MEAN 2374 MAX 30600 MIN 519 CFSM 1.35 IN 18.37

PASCAGOULA RIVER BASIN

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02473000 LEAF RIVER AT HATTIESBURG, MS--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.42	3.97	5.04	6.26	5.84	4.12	22.84	4.59	4.72	4.84	4.28	---
2	4.84	3.92	5.50	6.07	6.57	4.07	23.42	4.60	4.79	4.49	4.95	3.99
3	4.96	3.86	5.83	8.36	5.85	4.03	21.50	4.55	4.95	4.22	4.47	---
4	4.50	3.83	5.49	8.42	5.29	4.03	18.76	4.41	5.21	4.22	4.20	4.24
5	4.05	3.81	4.77	7.18	4.98	4.01	13.25	4.30	5.12	4.13	4.04	4.22
6	3.84	3.83	4.47	6.55	6.03	4.01	8.39	4.24	4.73	4.30	3.84	4.25
7	3.88	3.89	5.48	5.89	6.93	4.54	7.21	4.41	4.46	4.40	3.70	4.33
8	3.98	3.88	5.17	6.18	5.92	4.90	6.60	6.04	4.32	4.44	3.61	---
9	3.91	3.92	4.76	5.81	5.45	7.34	6.17	7.04	4.19	4.42	3.54	---
10	3.84	4.18	4.47	5.58	5.10	10.57	5.90	6.98	4.08	4.40	3.50	4.67
11	3.73	4.56	4.25	5.27	4.84	10.14	5.65	6.74	4.00	4.03	3.47	---
12	3.66	4.56	4.13	5.08	4.67	9.24	5.46	6.13	3.95	3.96	3.44	---
13	3.58	4.36	4.05	5.12	4.59	7.42	5.35	5.26	3.90	3.99	3.42	---
14	3.53	4.05	4.00	5.32	4.50	7.78	5.25	5.10	3.85	4.03	3.41	---
15	3.51	3.89	3.97	6.03	4.40	11.34	5.17	6.53	3.82	4.00	3.40	---
16	5.18	3.80	3.97	6.25	4.34	14.07	5.08	9.15	3.85	4.28	3.39	---
17	11.15	3.75	4.43	5.88	4.31	15.14	4.96	9.67	5.14	4.15	3.40	---
18	11.74	3.72	5.57	5.17	4.29	15.13	4.86	9.26	6.82	3.94	3.37	---
19	11.45	3.70	5.94	4.78	4.29	15.11	4.77	7.11	5.70	3.83	3.35	---
20	12.34	3.72	5.66	4.58	4.39	13.47	4.70	5.71	5.43	3.75	3.32	---
21	11.88	3.84	4.97	4.46	4.47	9.45	4.71	4.93	5.01	3.69	3.31	---
22	7.62	3.87	4.55	4.39	5.60	9.82	4.79	4.63	4.67	3.64	3.31	---
23	5.97	3.85	4.32	4.33	5.97	9.48	4.65	4.46	4.37	3.62	3.31	---
24	5.08	3.77	4.20	4.27	5.98	9.05	4.53	4.45	4.12	3.74	---	---
25	4.73	3.72	4.35	4.29	5.29	7.89	4.54	4.72	4.05	3.90	---	---
26	4.54	3.74	5.42	8.86	4.70	7.05	4.53	4.63	3.93	3.99	3.29	---
27	4.45	4.01	6.41	10.78	4.44	7.57	4.59	6.12	3.86	3.78	3.31	---
28	4.33	4.72	6.80	9.76	4.30	9.36	4.49	8.67	3.81	3.80	3.33	---
29	4.24	5.18	6.43	8.76	4.22	9.13	4.41	7.03	4.17	3.80	3.43	---
30	4.15	5.00	5.85	7.31	---	11.62	4.41	5.93	5.07	3.67	3.59	---
31	4.03	---	6.25	5.82	---	20.23	---	5.10	---	4.22	---	---
MEAN	5.58	4.03	5.05	6.22	5.09	9.07	7.70	5.89	4.54	4.05	---	---
MAX	12.34	5.18	6.80	10.78	6.93	20.23	23.42	9.67	6.82	4.84	---	---
MTN	3.51	3.70	3.97	4.27	4.22	4.01	4.41	4.24	3.81	3.62	---	---

PASCAGOULA RIVER BASIN

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.

DRAINAGE AREA.--99.0 mi² (256.3 km²).

PERIOD OF RECORD.--Water years 1976 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	TIME	INSTANTANEOUS DIS- CHARGE (CFS)	SPF- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	DIS- SOLVED OXYGEN (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	TOTAL AMMONIA NITRO- GEN (N) (MG/L)
MAY 12...	1430	48	105	6.7	20.0	70	32	6.0	.13	.13	.15
JUN 07...	1400	25	122	6.4	21.0	10	--	7.8	.17	.19	--
AUG 06...	1300	11	160	5.7	25.0	50	15	6.5	.09	.10	.06
SEP 13...	1400	11	125	6.6	20.5	60	20	6.6	.14	.16	.05

DATE	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)	DIS- SOLVED AMMONIA (NH4) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	DIS- SOLVED ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	SUS- PENDE KJEL. NITRO- GEN (N) (MG/L)	DIS- SOLVED KJEL. NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOL- VED- PHOS- PHORUS (P) (MG/L)
MAY 12...	.11	.14	.65	.52	.80	.17	.63	.93	4.1	.03	.01
JUN 07...	.10	.13	--	.52	.60	.00	.62	.77	3.4	--	--
AUG 06...	.05	.06	.28	.35	.34	.00	.40	.43	1.9	.03	.00
SEP 13...	.08	.10	.31	.42	.36	.00	.50	.50	2.2	.02	.01

DATE	TOTAL ORTHOPHOS- PHORUS (P) (MG/L)	DIS- SOLVED ORTHOPHOS- PHORUS (P) (MG/L)	DIS- SOLVED ORTHOPHOS- PHATE (PO4) (MG/L)	TOTAL IRON (FE) (UG/L)	DIS- SOLVED IRON (FE) (UG/L)	TOTAL MANGANESE (MN) (UG/L)	SUS- PENDE MANGANESE (MN) (UG/L)	DIS- SOLVED MANGANESE (MN) (UG/L)	SUS- PENDE SEDI- MENT (MG/L)	SUS- PENDE DIS- CHARGE (T/DAY)
MAY 12...	.01	.00	.00	2100	370	130	30	100	49	6.4
JUN 07...	.00	.00	.00	2200	230	140	40	100	39	2.6
AUG 06...	.01	.00	.00	2000	20	260	30	230	29	.86
SEP 13...	.01	.00	.00	1700	460	160	20	140	41	1.2

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.

DRAINAGE AREA.--197.7 mi² (511.8 km²).

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	TIME	INSTANTANEOUS DIS- CHARGE (CFS)	SPF- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COHALT UNITS)	TUR- BID- ITY (JTU)	DIS- SOLVED OXYGEN (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	TOTAL AMMONIA NITRO- GEN (N) (MG/L)
MAY 12...	1230	147	135	6.4	19.0	65	34	6.9	.13	.13	.10
JUN 07...	1200	62	178	7.0	21.0	10	--	7.1	.20	.21	--
AUG 06...	1130	19	220	6.4	25.0	50	15	7.6	.16	.18	.02
SEP 13...	1300	23	160	6.8	21.5	60	15	7.0	.15	.17	.07

DATE	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)	DIS- SOLVED AMMONIA (NH4) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	DIS- SOLVED ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	SUS- PENDED KJEL. NITRO- GEN (N) (MG/L)	DIS- SOLVED KJEL. NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOL- VED- PHOS- PHORUS (P) (MG/L)
MAY 12...	.02	.03	.57	.59	.67	.06	.61	.80	3.5	.05	.01
JUN 07...	.07	.09	--	.54	.48	.00	.61	.68	3.0	--	--
AUG 06...	.04	.05	.47	.46	.49	.00	.50	.65	2.9	.05	.00
SEP 13...	.05	.06	.63	.62	.70	.03	.67	.85	3.8	.03	.01

DATE	TOTAL ORTHO PHOS- PHORUS (P) (MG/L)	DIS- SOLVED ORTHO PHOS- PHORUS (P) (MG/L)	DIS- SOLVED ORTHO PHOS- PHATE (PO4) (MG/L)	TOTAL IRON (FE) (UG/L)	DIS- SOLVED IRON (FE) (UG/L)	TOTAL MAN- GANESE (MN) (UG/L)	SUS- PENDED MAN- GANESE (MN) (UG/L)	DIS- SOLVED MAN- GANESE (MN) (UG/L)	SUS- PENDED SEDI- MENT (MG/L)	SUS- PENDED SEDI- MENT DIS- CHARGE (T/DAY)
MAY 12...	.01	.00	.00	2100	200	120	70	50	134	53
JUN 07...	.00	.00	.00	1800	340	100	30	70	40	6.7
AUG 06...	.01	.00	.00	1900	30	160	40	120	26	1.3
SEP 13...	.01	.01	.03	1600	250	120	30	90	30	1.9

PASCAGOULA RIVER BASIN

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) above mean sea level (Mississippi State Highway Department bench mark). Prior to Dec. 14, 1938, nonrecording gage at same site and datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--38 years, 338 ft³/s (9.572 m³/s), 19.70 in/yr (500 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 discharges above base of 3,000 ft³/s (85 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)	Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
Mar. 19	0200	3,980 113	16.19 4.935	Apr. 2	0030	*8,450 239	18.84 5.742

Minimum discharge, 14 ft³/s (0.40 m³/s) Aug. 24, gage height, 2.00 ft (0.610 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	50	62	187	365	378	118	5160	71	132	54	113	31
2	54	61	202	354	289	111	6620	85	116	56	72	36
3	57	58	240	456	250	105	3470	94	155	63	51	131
4	56	57	189	550	214	103	2340	93	134	70	41	98
5	55	56	131	470	188	99	1610	76	109	76	35	79
6	50	53	143	422	191	123	672	65	90	62	31	103
7	65	52	251	333	205	185	342	170	80	51	28	102
8	75	51	169	328	202	284	279	375	72	52	25	90
9	84	86	136	342	210	591	238	514	64	56	23	68
10	79	114	122	300	187	755	205	565	57	68	23	59
11	78	200	103	260	159	756	185	534	52	50	22	71
12	66	197	94	230	147	803	166	266	47	50	21	57
13	56	131	86	218	142	915	154	177	44	43	20	43
14	48	97	89	263	136	964	146	287	41	40	20	33
15	45	82	82	360	129	903	152	579	40	45	20	27
16	123	73	79	411	123	1140	147	705	53	62	31	24
17	430	66	123	342	127	1600	130	746	51	65	23	23
18	524	63	197	236	120	3200	117	784	188	66	19	20
19	522	59	258	203	122	3670	107	669	389	50	21	18
20	545	58	301	170	127	2670	100	226	332	41	19	18
21	538	60	195	153	138	1980	107	146	308	36	18	17
22	224	62	146	144	287	1110	111	118	188	34	17	16
23	132	63	126	134	467	690	103	104	114	32	17	16
24	105	63	115	128	438	644	90	95	83	32	15	16
25	91	62	179	198	267	582	88	89	78	44	18	16
26	83	60	344	1000	188	363	88	121	69	50	18	15
27	77	61	444	1260	158	784	86	172	65	35	17	15
28	73	66	523	1020	141	798	91	190	57	88	17	15
29	70	130	578	967	132	833	78	289	48	83	17	15
30	68	146	438	1010	---	2870	73	252	51	190	20	15
31	65	---	345	917	---	4470	---	173	---	215	22	---
TOTAL	4588	2449	6635	13624	5862	34259	23255	8830	3307	1959	854	1287
MEAN	148	81.6	214	439	202	1105	775	285	110	63.2	27.5	42.9
MAX	545	200	578	1260	467	4470	6620	784	389	215	113	131
MIN	45	51	79	128	120	99	73	65	40	32	15	15
CFSM	.64	.35	.92	1.88	.87	4.74	3.33	1.22	.47	.27	.12	.18
IN.	.73	.39	1.06	2.18	.94	5.47	3.71	1.41	.53	.31	.14	.21
CAL YR 1975	TOTAL	164793	MEAN	451	MAX	5120	MIN	36	CFSM	1.94	IN	26.31
WTR YR 1976	TOTAL	106909	MEAN	292	MAX	6620	MIN	15	CFSM	1.25	IN	17.07

02474500 TALLAHALA CREEK NEAR RUNNELSTOWN, MS

LOCATION.--Lat 31°19'57", long 89°06'46", in SE¼SE¼ 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) above mean sea level. Prior to Oct. 1, 1971, at datum 5.00 ft (1.524 m) higher.

REMARKS.--Records good.

AVERAGE DISCHARGE.--37 years, 923 ft³/s (26.14 m³/s), 20.48 in/yr (520 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, 4.89 ft (1.490 m), present datum, Sept. 15-19, 21, 1972.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since about 1865, 30½ ft (9¼ 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 (9¼ m), all from information by local residents, at datum 5.00 ft (1.524 m) higher.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 9,580 ft³/s (271 m³/s) Apr. 4, gage height, 21.85 ft (6.660 m); minimum, 71 ft³/s (2.01 m) Aug. 27, gage height, 5.17 ft (1.576 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	291	225	502	1430	2000	367	8250	308	637	207	387	107
2	282	211	772	1190	1270	340	9230	264	630	219	381	129
3	241	204	676	2520	944	323	9160	276	630	224	318	201
4	251	199	672	2780	788	311	9390	264	591	237	228	402
5	318	197	588	1940	664	299	7900	259	566	235	172	353
6	264	199	440	1440	792	299	5840	232	446	288	146	257
7	526	199	960	1340	1070	384	3320	274	330	190	132	264
8	684	194	1100	1490	852	588	1500	1340	297	180	124	440
9	430	325	676	1290	700	888	1140	1590	262	190	114	335
10	320	649	488	1100	641	1850	948	1590	237	210	103	233
11	276	824	408	932	573	1990	796	1600	214	300	97	199
12	259	844	353	840	498	1880	680	1410	202	450	95	184
13	241	688	325	788	462	1850	626	892	190	696	93	173
14	219	485	304	852	440	2330	573	940	179	465	89	150
15	208	353	293	1040	420	3260	519	1450	173	178	86	128
16	548	297	293	1150	399	4050	481	2050	170	150	86	112
17	2460	268	411	1120	387	4120	459	1940	204	159	89	101
18	2510	251	888	936	387	3670	411	1840	310	196	96	93
19	1920	244	868	704	376	3700	367	1780	548	168	95	89
20	1580	241	836	584	370	4300	335	1400	876	147	81	86
21	1490	251	828	512	488	4820	325	708	964	125	77	84
22	1500	259	588	465	764	4790	343	472	972	113	76	86
23	1030	253	452	433	1240	3920	376	387	668	106	130	79
24	534	246	387	411	1290	2280	325	338	390	101	103	75
25	405	239	534	399	1060	1900	304	343	345	148	79	75
26	338	237	1250	1770	756	1650	278	316	315	123	74	73
27	308	251	1380	3550	541	1570	264	1300	247	108	72	73
28	293	244	1360	3280	449	3200	255	2630	221	108	73	74
29	270	313	1410	2750	396	2640	255	1110	207	108	73	75
30	253	381	1620	2330	---	2710	257	936	233	183	74	74
31	239	---	1720	2210	---	6730	---	808	---	274	79	---
TOTAL	20488	9811	23382	43616	21017	73009	64907	31047	12254	6586	3922	4804
MEAN	661	327	754	1407	725	2355	2164	1002	408	212	127	160
MAX	2510	844	1720	3550	2000	6730	9390	2630	972	696	387	440
MIN	208	194	293	359	370	299	255	232	170	101	72	73
CFSM	1.08	.53	1.23	2.30	1.18	3.85	3.54	1.64	.67	.35	.21	.26
IN.	1.25	.60	1.42	2.65	1.28	4.44	3.95	1.89	.74	.40	.24	.29

CAL YR 1975 TOTAL 484000 MEAN 1326 MAX 7010 MIN 186 CFSM 2.17 IN 29.42
WTR YR 1976 TOTAL 314843 MEAN 860 MAX 9390 MIN 72 CFSM 1.41 IN 19.14

PASCAGOULA RIVER BASIN

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 1944, 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. Discharge affected by occasional regulation of Bogue Homo Lake.

AVERAGE DISCHARGE.--6 years, 654 ft³/s (18.52 m³/s), 25.82 in/yr (656 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 21,900 ft³/s (620 m³/s) Dec. 28, 1973, gage height, 27.63 ft (8.422 m), from floodmark; minimum, 7.0 ft³/s (0.20 m³/s) Sept. 16, 1972, gage height, 3.60 ft (1.097 m).

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, 10,500 ft³/s (297 m³/s) Apr. 1, gage height, 21.91 ft (6.678 m); minimum, 10 ft³/s (0.28 m³/s) Aug. 22, 23, gage height, 3.53 ft (1.076 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	494	197	149	1230	1410	174	9980	118	446	28	93	26
2	466	190	190	920	824	160	8170	89	400	28	186	23
3	370	185	231	2030	536	151	4730	83	315	40	124	24
4	319	179	199	2490	450	144	2920	81	274	99	81	22
5	225	177	170	2000	390	142	1990	81	214	136	65	24
6	157	180	176	1460	450	142	1340	82	173	229	51	27
7	664	185	407	1440	714	157	787	148	146	132	45	36
8	2320	184	575	1500	595	198	477	486	122	138	40	34
9	1970	288	497	1230	496	285	351	841	100	104	34	29
10	1620	530	420	901	414	461	287	900	84	78	29	24
11	1810	659	342	793	336	504	243	903	72	69	25	20
12	1500	495	305	743	290	566	202	710	63	75	20	19
13	843	380	270	637	267	696	183	428	55	69	18	18
14	303	291	230	599	246	929	169	551	48	126	19	17
15	192	242	205	617	230	1890	160	966	43	137	20	16
16	520	217	190	571	217	2520	149	828	49	94	16	16
17	2020	203	418	551	210	2970	134	696	62	60	17	15
18	2190	193	735	538	202	2440	118	719	90	54	15	15
19	1700	186	674	453	198	2130	105	704	166	54	14	15
20	1720	182	524	376	195	2010	95	449	80	42	13	15
21	1710	182	385	346	287	1770	84	215	87	36	12	15
22	1440	153	303	332	669	1430	88	156	76	30	11	16
23	904	149	269	324	532	881	92	142	63	25	11	15
24	376	142	247	317	446	634	98	131	50	22	14	15
25	246	132	520	316	446	652	104	135	48	31	13	15
26	208	129	1240	674	383	562	90	122	41	27	12	16
27	206	132	1170	1370	272	634	84	345	36	22	12	16
28	212	129	860	1470	222	867	84	2080	32	19	12	16
29	206	139	723	1790	193	1050	82	1880	30	18	11	17
30	195	141	768	2300	---	1830	82	833	26	24	13	16
31	192	---	1240	2000	---	5760	---	587	---	53	20	---
TOTAL	27298	6771	14632	32318	12120	34739	33478	16489	3491	2099	1066	592
MEAN	881	226	472	1043	418	1121	1116	532	116	67.7	34.4	19.7
MAX	2320	659	1240	2490	1410	5760	9980	2080	446	229	186	36
MIN	157	129	149	316	193	142	82	81	26	18	11	15
CFSM	2.56	.66	1.37	3.03	1.22	3.26	3.24	1.55	.34	.20	.10	.06
IN.	2.95	.73	1.58	3.49	1.31	3.76	3.62	1.78	.38	.23	.12	.06

CAL YR 1975 TOTAL 294100 MEAN 806 MAX 5700 MIN 86 CFSM 2.34 IN 31.80
WTR YR 1976 TOTAL 185093 MEAN 506 MAX 9980 MIN 11 CFSM 1.47 IN 20.02

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 bridge on State Highway 15, 1.0 mi (1.6 km) north of Beaumont, and at mile 29.8 (47.9 km).

DRAINAGE AREA.--3,120 mi² (8,080 km²).

PERIOD OF RECORD.--March to July 1965, occasional discharge measurements. January 1972 to April 1976 (gage heights only). Discontinued. January 1941 to August 1944, occasional discharge measurements by Corps of Engineers. Gage-height records collected at same site January 1941 to December 1971 are contained in reports of National Weather Service.

GAGE.--Nonrecording gage. Datum of gage is 56.74 ft (17.294 m) above mean sea level. Prior to Feb. 9, 1942, at railroad bridge 0.1 mi (0.2 km) upstream.

REMARKS.--Records furnished by National Weather Service.

EXTREMES FOR PERIOD OF RECORD.--Maximum 32.80 ft (9.997 m) Feb. 23, 1961; minimum since January 1972, 2.22 ft (0.677 m) Oct. 6, 1972.

EXTREMES FOR CURRENT PERIOD.--October to April 1976. Maximum 25.10 ft (7.650 m) Apr. 4; minimum 5.15 ft (1.570 m) Nov. 15.

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
INSTANTANEOUS OBSERVATIONS AT 0700

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.35	5.98				8.03	20.10					
2	10.39	5.83				8.15	23.44					
3	8.34	5.62				8.38	24.58					
4	8.09	5.60				8.61	25.10					
5	7.87	5.58				8.94	24.80					
6	7.31	5.57				9.12	24.72					
7	7.28	5.56				9.48	23.97					
8	7.24	5.55				9.82	23.76					
9	10.01	5.53				10.61	22.79					
10	11.44	5.59				10.84	21.36					
11	10.52	5.93				11.26	19.21					
12	8.63	6.41				11.58	16.19					
13	7.44	6.78				11.83	14.21					
14	7.16	6.62				11.66	9.93					
15	6.98	6.49				11.03	9.28					
16	6.53	6.36				10.82	8.84					
17	9.48	6.23				10.38	8.33					
18	14.51	6.07				10.06	8.12					
19	16.07	5.95				10.69	7.96					
20	18.39	5.87				11.14	7.89					
21	17.98	5.82				12.26	7.88					
22	14.21	5.73				12.73	7.85					
23	11.43	5.61				13.10	7.83					
24	10.17	5.48				13.29	7.81					
25	8.85	5.34				13.19	7.81					
26	7.49	5.18				13.78	7.80					
27	6.64	5.15				14.41	7.83					
28	6.52	5.28				14.03	7.86					
29	6.29	5.41				13.85	7.82					
30	6.13	5.87				13.52	7.79					
31	6.04	---				14.76	---					
MFAN	9.38	5.80	---	---		11.34	14.10					
MAX	18.39	6.78	---	---		14.76	25.10					
MIN	5.35	5.15	---	---		8.03	7.79					

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 Oktibbee 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) above mean sea level. Prior to Sept. 8, 1940, nonrecording gage at same site and datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--37 years, 5,305 ft³/s (150.2 m³/s), 20.52 in/yr (521 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, 46,200 ft³/s (1,308 m³/s) Apr. 4, gage height, 23.88 ft (7.279 m); minimum, 794 ft³/s (22.5 m³/s) part of each day Aug. 26, 27, 28, 29, gage height, 2.43 ft (0.741 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10200	2330	3200	9080	8360	2590	24200	2360	4570	2000	1550	965
2	10300	2250	3320	7680	7660	2470	31800	2320	5790	1930	1750	1130
3	5710	2170	3680	8210	6440	2370	41800	2100	4280	1800	2040	1160
4	4320	2110	3850	15100	5160	2310	45700	2000	3690	1680	1850	1360
5	3570	2070	3620	16000	4390	2240	43800	1870	3680	1770	1520	1570
6	3000	2060	3050	12600	4370	2190	39000	1800	3520	2020	1380	1600
7	2640	2110	3270	9620	6530	2300	30400	1890	2900	2340	1230	1510
8	6060	2120	4720	8730	6700	2710	18800	2500	2450	2080	1140	1520
9	7050	2630	4460	8320	5340	3320	9390	4620	2130	1870	1070	1550
10	5280	4370	3640	7110	4570	5940	6260	5690	1910	1750	1010	1400
11	4540	4060	3130	6050	4060	9100	5040	5860	1740	1720	975	1590
12	4420	4080	2780	5400	3660	9480	4240	5780	1630	1500	946	1320
13	3980	3850	2580	5020	3340	8590	3760	5370	1540	1460	928	1140
14	3200	3320	2470	4750	3140	7010	3510	5880	1460	2000	910	1050
15	2430	2840	2390	4930	3000	8330	3310	6720	1400	2400	897	995
16	2450	2540	2350	5430	2860	12600	3120	6860	1370	1800	883	942
17	8750	2320	2370	5550	2760	16200	2950	8620	1450	1640	879	901
18	13700	2160	3050	5150	2690	18400	2770	9020	2190	1540	870	879
19	14800	2090	4420	4380	2640	19400	2610	8610	4010	1420	856	856
20	14000	2040	4630	3770	2590	19800	2470	6350	3530	1310	847	843
21	13500	2090	4280	3410	3310	20000	2380	4360	3210	1230	829	834
22	13700	2130	3640	3200	6880	18400	2400	3030	2740	1170	816	829
23	10200	2090	3090	3050	6010	15600	2380	2570	2540	1120	811	825
24	6000	2060	2740	2950	5700	13000	2280	2270	2120	1110	829	816
25	4010	2000	3040	2880	5290	10500	2740	2280	1870	1230	820	825
26	3320	1960	6120	4770	4480	8850	2390	2360	1750	1260	803	825
27	3010	2050	6810	9510	3670	8320	2140	2400	1590	1250	798	820
28	2860	2190	6810	12500	3130	9610	2090	7680	1450	1160	803	816
29	2710	2540	6910	12400	2790	11200	2000	11700	1370	1180	820	825
30	2580	2920	7170	11200	---	10900	1970	7810	1460	1340	874	820
31	2450	---	9050	9840	---	17100	---	5110	---	1210	946	---
TOTAL	194740	75550	126640	228630	131520	300830	347700	147790	75340	49290	32680	32516
MEAN	6282	2518	4085	7375	4535	9704	11590	4767	2511	1590	1054	1084
MAX	14800	4370	9050	16000	8360	20000	45700	11700	5790	2400	2040	1600
MIN	2430	1960	2350	2880	2590	2190	1970	1800	1370	1110	798	816
CFSM	1.79	.72	1.16	2.10	1.29	2.76	3.30	1.36	.72	.45	.30	.31
IN.	2.06	.80	1.34	2.42	1.39	3.19	3.69	1.57	.80	.52	.35	.34
CAL YR 1975	TOTAL	2895260	MEAN	7932	MAX	39300	MIN	1510	CFSM	2.26	IN	30.68
WTR YR 1976	TOTAL	1743226	MEAN	4763	MAX	45700	MIN	798	CFSM	1.36	IN	18.48

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) above mean sea level. Prior to Mar. 24, 1939, nonrecording gage at same site and datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--38 years, 476 ft³/s (13.48 m³/s), 17.57 in/yr (446 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 30,800 ft³/s (872 m³/s) Feb. 22, 1961, gage height, 25.58 ft (7.797 m) in gage well, 25.75 ft (7.849 m) from outside gage; minimum, 1.6 ft³/s (0.045 m³/s) Sept. 28-30, 1954; minimum gage height, 2.08 ft (0.634 m) Oct. 21, 22, 1963.

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)
Mar. 17	1700	8,160 231	16.44 5.011	Mar. 31	1800	*19,000 538	23.50 7.163
Mar. 28	1500	9,020 255	17.45 5.319				

Minimum discharge, 16 ft³/s (0.453 m³/s) Aug. 22, gage height, 2.42 ft (0.738 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	106	142	670	905	321	184	12100	159	182	126	92	150
2	139	138	840	573	292	180	5250	170	342	116	70	120
3	115	135	391	815	263	180	2470	149	358	114	64	110
4	92	131	276	1180	244	182	1080	128	229	135	56	120
5	83	133	236	720	239	174	780	116	217	426	48	130
6	81	135	232	486	361	452	632	112	199	482	43	110
7	97	140	368	506	506	1540	526	539	168	284	39	100
8	156	151	333	965	355	1290	448	1560	147	172	35	140
9	188	162	258	641	284	2210	384	1480	133	136	34	180
10	144	279	224	430	258	2800	336	551	124	117	36	121
11	116	306	199	398	246	2510	306	295	119	106	51	86
12	103	208	186	530	241	1180	290	236	114	97	52	64
13	96	168	178	556	239	1430	271	258	111	91	35	45
14	90	145	172	810	229	1680	271	1010	106	82	27	39
15	89	136	174	855	222	2270	271	1600	98	80	27	34
16	169	135	246	514	217	3260	241	1380	119	76	29	32
17	1670	131	795	405	215	7060	224	560	1450	73	23	29
18	2580	131	860	336	220	5710	210	315	1570	69	24	28
19	3000	129	474	298	244	2790	195	234	1020	65	25	28
20	1530	133	318	281	220	990	180	195	1050	61	23	28
21	408	153	274	281	261	1830	172	172	455	73	19	27
22	295	168	246	276	730	2400	164	159	274	69	18	30
23	246	155	232	261	482	2520	159	151	208	63	19	28
24	217	142	227	251	298	1630	149	144	186	56	19	28
25	197	140	551	384	248	820	160	142	182	55	20	26
26	188	144	1960	1620	229	1090	180	133	236	79	33	24
27	197	381	2100	1550	215	3030	160	162	182	76	130	22
28	195	560	1380	985	201	7880	144	336	201	88	90	22
29	180	292	590	474	192	5870	133	364	159	94	110	28
30	164	236	586	388	---	4500	135	234	147	104	150	29
31	149	---	835	342	---	14600	---	184	---	117	220	---
TOTAL	13079	5539	16411	19016	8272	84242	28021	13228	10086	3782	1661	1958
MEAN	422	185	529	613	285	2717	934	427	336	122	53.6	65.3
MAX	3000	560	2100	1620	730	14600	12100	1600	1570	482	220	180
MIN	81	129	172	251	192	174	133	112	98	55	18	22
CFSM	1.15	.50	1.44	1.67	.77	7.38	2.54	1.16	.91	.33	.15	.18
IN.	1.32	.56	1.66	1.92	.84	8.52	2.83	1.34	1.02	.38	.17	.20

CAL YR 1975	TOTAL	293263	MEAN	803	MAX	16000	MIN	68	CFSM	2.18	IN	29.65
WTR YR 1976	TOTAL	205295	MEAN	561	MAX	14600	MIN	18	CFSM	1.52	IN	20.75

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 8 mi (13 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) above mean sea level. 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.

AVERAGE DISCHARGE.--26 years, 63.2 ft³/s (1.790 m³/s), 16.54 in/yr (420 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, 21.52 ft (6.559 m) Apr. 13, 1974; 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 (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.--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)
Mar. 16	0900	1,710 48.4	13.31 4.057	Mar. 31	0100	*5,580 158	20.64 6.291
Mar. 27	1130	1,760 49.8	13.53 4.124				

Minimum discharge, 2.3 ft³/s (0.065 m³/s) Aug. 24 (gage height, 1.93 ft (0.588 m)).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	52	20	100	93	55	35	508	35	16	4.6	4.9	4.2
2	39	19	45	72	49	35	205	26	29	3.8	5.7	32
3	32	18	36	93	45	34	151	20	24	5.0	4.2	6.5
4	28	21	32	75	42	33	124	16	19	16	3.6	16
5	28	18	31	61	41	32	102	15	23	22	3.6	22
6	28	18	31	55	80	161	88	16	19	11	3.4	9.3
7	239	18	38	75	61	100	75	60	12	6.8	3.6	8.7
8	329	18	34	82	48	181	66	131	10	5.3	3.5	11
9	59	21	31	58	44	654	58	55	9.5	4.9	3.2	12
10	42	22	29	53	41	149	52	34	8.8	4.2	2.8	5.9
11	34	19	27	54	40	97	48	28	8.2	3.6	2.6	4.0
12	28	44	26	66	40	88	45	24	7.5	3.3	2.4	3.2
13	25	28	25	79	39	215	43	63	6.5	3.2	2.4	2.8
14	25	20	25	156	38	163	52	136	6.0	3.0	2.6	2.7
15	24	18	33	77	37	613	43	138	6.7	32	7.7	2.7
16	151	18	115	65	35	1470	38	58	34	40	10	2.7
17	606	17	147	54	35	369	35	40	31	8.1	7.4	2.8
18	129	17	87	47	38	164	32	31	14	7.6	3.7	3.0
19	79	16	58	44	35	125	31	25	19	5.7	2.8	3.0
20	56	18	52	43	32	107	29	22	13	5.2	2.8	3.0
21	47	21	46	43	170	810	30	20	9.3	4.7	2.6	3.2
22	41	16	42	41	133	202	29	19	7.1	4.5	2.5	3.2
23	38	15	40	39	65	125	26	19	6.1	5.4	2.4	3.0
24	33	15	38	38	53	99	24	17	5.5	5.2	2.4	3.0
25	30	15	357	85	48	95	28	15	5.1	3.4	2.5	3.0
26	28	27	300	509	45	410	24	13	4.7	3.3	2.8	3.0
27	28	55	102	133	42	1530	21	51	4.3	3.3	4.6	3.2
28	28	27	75	90	40	326	20	63	4.3	8.9	6.0	3.5
29	25	22	64	75	37	173	19	33	10	5.8	5.6	3.9
30	23	55	77	65	---	1690	22	22	5.4	3.9	4.7	3.6
31	21	---	156	59	---	3300	---	17	---	4.4	3.9	---
TOTAL	2375	676	2303	2579	1508	13575	2068	1262	378.0	248.1	122.9	190.1
MEAN	76.6	22.5	74.3	83.2	52.0	438	68.9	40.7	12.6	8.00	3.96	6.34
MAX	606	55	357	509	170	3300	508	138	34	40	10	32
MIN	21	15	25	38	32	32	19	13	4.3	3.0	2.4	2.7
CFSM	1.48	.43	1.43	1.60	1.00	8.44	1.33	.78	.24	.15	.08	.12
IN.	1.70	.48	1.65	1.85	1.08	9.73	1.48	.90	.27	.18	.09	.14

CAL YR 1975	TOTAL	42237.0	MEAN	116	MAX	2020	MIN	12	CFSM	2.24	IN	30.27
WTR YR 1976	TOTAL	27285.1	MEAN	74.5	MAX	3300	MIN	2.4	CFSM	1.44	IN	19.56

02476600 OKATIBBEE CREEK AT ARUNDEL, MS

LOCATION.--Lat 32°17'55", long 88°45'15", in SE&SW¼ 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) above mean sea level (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.--Nine discharge measurements were furnished by Corps of Engineers.

AVERAGE DISCHARGE.--8 years, 525 ft³/s (14.87 m³/s), 20.85 in/yr (530 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 12,400 ft³/s (351 m³/s) Dec. 26, 1973, gage height, 19.64 ft (5.986 m); gage height at supplementary gage, 19.28 ft (5.876 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, 13,400 ft³/s (379 m³/s) Mar. 31, gage height, 19.25 ft (5.867 m); minimum daily, 86 ft³/s (2.44 m³/s) June 27.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	164	176	592	830	373	218	6470	294	273	136	110	150
2	148	177	462	727	340	201	3300	279	293	132	113	161
3	135	174	405	707	320	181	2680	255	305	136	110	143
4	130	175	385	666	320	167	2300	242	273	178	107	164
5	130	176	374	624	312	163	2070	232	286	236	109	185
6	132	175	268	664	351	397	1920	273	263	189	108	161
7	330	176	254	683	414	600	1810	420	249	152	109	143
8	608	174	231	668	369	464	1730	727	242	139	109	157
9	262	199	219	546	339	1990	1680	658	177	134	107	175
10	195	213	176	479	304	1220	1630	447	113	130	107	178
11	171	222	148	472	276	794	1590	393	106	127	107	168
12	158	317	144	511	253	792	1560	499	104	126	104	161
13	150	263	143	506	227	1100	1530	608	100	126	102	155
14	146	233	138	683	210	1060	1510	776	95	124	103	152
15	142	224	145	464	204	1460	1490	923	93	125	104	148
16	253	222	297	350	201	3140	1470	773	156	280	107	145
17	1070	220	477	357	201	3390	1440	683	294	140	111	143
18	681	244	504	324	200	2040	1410	618	225	128	108	124
19	297	260	455	310	192	1340	1380	582	174	124	102	106
20	227	268	348	303	143	1410	1360	565	139	121	102	101
21	223	275	194	301	314	2070	1120	550	119	118	103	101
22	223	324	175	294	606	2440	616	541	108	106	107	100
23	212	345	167	287	323	1750	376	539	100	107	107	99
24	205	347	161	286	294	1580	315	535	95	109	107	98
25	199	345	558	294	304	1560	298	409	92	109	107	98
26	194	356	1390	1120	294	1670	289	279	88	107	107	97
27	194	488	670	1110	290	3560	276	305	86	107	161	97
28	195	414	650	696	266	3680	266	435	91	144	198	97
29	189	377	771	622	236	2630	259	371	138	140	168	97
30	183	401	734	575	---	2760	254	300	113	115	137	96
31	179	---	918	462	---	10700	---	275	---	112	133	---
TOTAL	7725	7960	12553	16961	8476	56527	44399	14786	4990	4257	3574	4000
MEAN	249	265	405	547	292	1823	1480	477	166	137	115	133
MAX	1070	488	1390	1120	606	10700	6470	923	305	280	198	185
MIN	130	174	138	286	143	163	254	232	86	106	102	96
CFSM	.73	.77	1.18	1.60	.85	5.33	4.33	1.39	.49	.40	.34	.39
IN.	.84	.87	1.37	1.84	.92	6.15	4.83	1.61	.54	.46	.39	.44
CAL YR 1975	TOTAL	233222	MEAN 639	MAX 5640	MIN 119	CFSM 1.87	IN 25.37					
WTR YR 1976	TOTAL	186208	MEAN 509	MAX 10700	MIN 86	CFSM 1.49	IN 20.25					

PASCAGOULA RIVER BASIN

02476600 OKATIBBEE CREEK AT ARUNDEL, MS--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.59	3.89	6.61	7.71	5.36	4.25	17.66	4.83	4.67	3.52	3.17	3.41
2	3.44	3.90	5.90	7.26	---	4.11	15.29	4.72	4.82	3.48	3.20	3.51
3	3.31	3.87	5.56	7.17	---	3.94	13.75	4.54	4.91	3.52	3.17	3.35
4	3.26	3.88	5.44	6.98	5.01	3.80	12.70	4.44	4.68	3.90	3.13	3.53
5	3.25	3.89	5.37	6.77	4.96	3.77	12.01	4.36	4.77	4.38	3.15	3.72
6	3.28	3.88	4.63	6.97	5.22	5.44	11.55	4.67	4.60	4.01	3.14	3.50
7	4.74	3.89	4.53	7.06	5.62	6.65	11.21	5.63	4.49	3.67	3.15	3.35
8	6.82	3.87	4.35	6.99	5.34	5.89	10.97	7.25	4.44	3.55	3.15	---
9	4.41	4.09	4.26	6.37	5.14	11.75	10.80	6.94	3.89	3.50	3.13	---
10	3.86	4.21	3.89	6.00	---	9.18	10.64	5.80	3.29	3.46	3.13	3.71
11	3.65	4.28	3.64	5.96	---	7.56	10.51	5.49	3.21	3.43	3.13	3.65
12	3.54	4.98	3.60	6.18	---	7.55	10.40	6.10	3.19	3.42	3.10	3.61
13	3.46	4.60	3.59	6.15	---	8.74	10.31	6.69	3.14	3.42	3.08	3.60
14	3.42	4.37	3.54	7.06	4.18	8.63	10.24	7.47	3.09	3.40	3.09	3.59
15	3.38	4.30	3.61	5.91	4.13	10.04	10.18	8.09	3.07	3.40	3.10	3.58
16	4.25	4.28	4.84	5.47	4.11	14.51	10.10	7.47	3.59	4.68	3.13	3.57
17	9.69	4.27	5.99	5.26	4.11	15.43	10.00	7.06	4.82	3.56	3.18	3.57
18	7.02	4.45	6.14	5.04	4.10	11.76	9.88	6.74	4.30	3.44	3.14	3.39
19	4.84	4.58	5.86	4.94	4.03	9.66	9.79	6.56	3.87	3.40	3.08	3.21
20	4.32	4.64	5.20	4.89	3.59	9.89	9.70	6.47	3.55	3.37	3.08	3.16
21	4.28	4.69	4.05	4.88	4.88	11.86	8.85	6.39	3.35	3.34	3.09	3.15
22	4.28	5.04	3.88	4.83	6.68	13.01	6.73	6.34	3.23	3.21	3.13	3.14
23	4.20	5.18	3.81	4.78	5.03	11.01	5.38	6.33	3.14	3.22	3.13	3.13
24	4.14	5.19	3.75	4.77	4.83	10.48	4.98	6.31	3.09	3.24	3.13	3.12
25	4.09	5.18	6.23	4.83	4.90	10.40	4.86	5.58	3.06	3.24	3.13	3.12
26	4.05	5.25	9.81	8.81	4.83	10.74	4.79	4.71	3.01	3.22	3.13	3.11
27	4.05	6.05	7.00	8.79	4.80	15.47	4.70	4.91	2.99	3.22	3.58	3.11
28	4.06	5.62	6.90	7.12	4.62	15.84	4.62	5.74	3.04	3.56	3.76	3.11
29	4.01	5.39	7.46	6.76	4.39	13.45	4.57	5.35	3.52	3.49	3.56	3.11
30	3.95	5.53	7.28	6.52	---	13.43	4.53	4.87	3.28	3.22	3.29	3.10
31	3.92	---	8.07	5.89	---	18.80	---	4.69	---	3.19	3.25	---
MEAN	4.28	4.57	5.32	6.26	---	9.90	9.39	5.89	3.74	3.51	3.19	---
MAX	9.69	6.05	9.81	8.81	---	18.80	17.66	8.09	4.91	4.68	3.76	---
MIN	3.25	3.87	3.54	4.77	---	3.77	4.53	4.36	2.99	3.19	3.08	---

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) above mean sea level. 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 except those for period of gage-height record, May 7 to June 16, which are fair. Some regulation since Nov. 26, 1968, by Okatibbee Lake, 38 mi (61 km) upstream.

AVERAGE DISCHARGE.--38 years, 1,204 ft³/s (34.10 m³/s), 17.91 in/yr (455 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)
Mar. 18	1000	12,400 351	27.07 8.251	Apr. 1	1530	*29,300 830	37.09 11.305

Minimum discharge, 125 ft³/s (3.54 m³/s) Aug. 21, 22, gage height, 5.00 ft (1.524 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	324	423	1320	2080	901	506	27600	650	592	336	274	471
2	345	413	1590	1650	834	490	21500	588	826	293	213	365
3	335	409	1070	1730	773	480	10900	537	862	286	201	308
4	308	399	946	2140	731	458	5640	478	652	331	186	320
5	291	404	762	1740	706	440	4320	440	654	650	179	355
6	288	404	686	1430	880	798	3540	485	601	917	170	308
7	411	409	787	1390	1140	2260	2930	1250	542	644	167	269
8	1060	421	742	1770	973	2140	2600	2970	506	427	158	358
9	599	470	656	1520	812	4520	2390	2780	403	346	150	346
10	408	599	578	1180	748	4900	2220	1300	308	304	146	355
11	348	689	498	1090	717	4010	2110	894	292	278	150	286
12	319	714	458	1200	697	2900	2030	956	283	259	164	253
13	300	621	440	1300	661	2870	1990	1130	274	245	153	232
14	286	506	428	1660	602	3390	1990	2320	261	232	140	217
15	279	475	423	1700	580	4660	1920	3280	248	224	134	210
16	374	463	586	1240	564	8120	1850	2800	402	370	143	201
17	2680	455	1360	1030	559	10900	1770	1620	1660	265	153	198
18	3810	463	1660	898	561	12100	1710	1210	2370	245	140	189
19	3620	490	1230	818	578	8470	1660	1060	1380	222	131	158
20	2660	421	949	781	529	4650	1610	988	1430	211	130	145
21	943	545	700	762	742	5000	1420	939	872	206	127	143
22	731	564	599	753	1480	6070	907	909	566	204	130	142
23	642	605	553	725	1240	5760	634	897	440	189	134	140
24	588	583	540	703	834	4620	575	883	405	186	133	137
25	548	575	1020	792	745	3130	586	703	385	181	130	137
26	524	586	3780	3190	689	3600	586	536	402	196	131	134
27	524	868	3530	3440	653	10400	564	607	348	220	206	133
28	529	1170	2590	2240	605	12400	516	1000	432	237	288	134
29	508	868	1710	1430	534	13400	488	956	392	320	343	134
30	475	767	1580	1200	---	12900	524	694	329	267	265	137
31	443	---	1890	1040	---	17800	---	597	---	230	360	---
TOTAL	25500	16879	35561	44622	22068	173842	109080	36457	19117	9521	5529	6915
MFAN	823	563	1147	1439	761	5608	3636	1176	637	307	178	231
MAX	3810	1170	3780	3440	1480	17800	27600	3280	2370	917	360	471
MIN	279	399	423	703	529	440	488	440	248	181	127	133
CFSM	.90	.62	1.26	1.58	.83	6.14	3.98	1.29	.70	.34	.19	.25
IN.	1.04	.69	1.45	1.82	.90	7.08	4.44	1.49	.78	.39	.23	.28
CAL YR 1975 TOTAL	682807	MFAN	1871	MAX	20500	MIN	259	CFSM	2.05	IN	27.82	
WTR YR 1976 TOTAL	505091	MEAN	1380	MAX	27600	MIN	127	CFSM	1.51	IN	20.58	

PASCAGOULA RIVER BASIN

02477000 CHICKASAWHAY RIVER AT ENTERPRISE, MS--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.00	6.35	9.43	11.56	8.11	6.68	36.40	7.22	---	6.13	5.84	6.66
2	6.13	6.31	10.22	10.40	7.88	6.52	33.19	6.99	---	5.94	5.54	6.25
3	6.07	6.28	8.68	10.60	7.66	6.58	25.72	6.80	---	5.91	5.47	6.01
4	5.90	6.25	7.92	11.72	7.51	6.49	19.93	6.57	---	6.10	5.38	6.06
5	5.79	6.27	7.62	10.63	7.42	6.42	17.12	6.42	---	7.30	5.34	6.21
6	5.77	6.27	7.34	9.77	8.03	7.64	15.23	6.60	---	8.20	5.29	6.01
7	6.39	6.29	7.70	9.64	8.90	12.01	13.71	---	---	7.30	5.27	5.83
8	8.73	6.34	7.55	10.73	8.35	11.70	12.88	---	---	6.50	5.21	6.21
9	7.27	6.53	7.24	10.03	7.80	17.57	12.34	---	---	6.17	5.16	6.17
10	6.50	7.02	6.95	9.02	7.57	18.44	11.93	---	---	5.99	5.14	6.21
11	6.15	7.36	6.65	8.75	7.46	16.41	11.63	---	---	5.87	5.16	5.91
12	5.97	7.44	6.49	9.09	7.39	13.53	11.41	---	---	5.78	5.25	5.75
13	5.85	7.10	6.42	9.38	7.26	13.54	11.32	---	---	5.71	5.18	5.64
14	5.76	6.64	6.37	10.43	7.04	14.46	11.31	---	---	5.64	5.10	5.56
15	5.71	6.56	6.35	10.52	6.96	17.37	11.14	---	---	5.60	5.06	5.52
16	6.21	6.51	6.93	9.22	6.90	23.18	10.95	---	---	6.24	5.12	5.47
17	13.02	6.48	9.55	8.55	6.88	25.50	10.71	---	10.34	5.80	5.18	5.45
18	15.89	6.51	10.42	8.10	6.89	26.44	10.55	---	12.31	5.71	5.10	5.40
19	15.42	6.62	9.18	7.82	6.95	23.42	10.42	---	9.61	5.59	5.04	5.21
20	12.99	6.73	8.27	7.69	6.76	17.48	10.29	---	9.75	5.52	5.03	5.13
21	8.25	6.83	7.40	7.62	7.47	18.65	9.73	---	8.06	5.49	5.01	5.12
22	7.51	6.90	7.03	7.59	9.91	20.44	8.12	---	7.01	5.49	5.03	5.11
23	7.18	7.05	6.86	7.49	9.20	20.29	7.16	---	6.55	5.40	5.06	5.10
24	6.90	6.97	6.81	7.41	7.88	17.80	6.94	---	6.40	5.38	5.05	5.08
25	6.84	6.94	8.34	7.72	7.56	14.20	6.98	---	6.33	5.35	5.03	5.08
26	6.75	6.98	15.82	14.32	7.36	15.31	6.98	---	6.40	5.44	5.04	5.06
27	6.75	7.99	15.19	14.97	7.23	25.30	6.90	---	6.18	5.58	5.48	5.05
28	6.77	8.99	12.85	11.97	7.05	27.02	6.72	---	6.52	5.67	5.42	5.06
29	6.69	9.00	10.54	9.77	6.79	27.96	6.61	---	6.36	6.05	6.15	5.06
30	6.55	7.54	10.17	9.07	---	27.47	6.75	---	6.10	5.82	5.81	5.08
31	6.43	---	11.03	8.58	---	30.97	---	---	---	5.63	6.22	---
MEAN	7.56	6.87	9.69	9.68	7.59	17.39	12.70	---	---	5.95	5.31	5.58
MAX	15.89	8.99	15.92	14.97	9.91	30.97	36.40	---	---	8.20	6.22	6.66
MIN	5.71	6.25	6.35	7.41	6.76	6.42	6.61	---	---	5.35	5.01	5.05

CAL YR 1975 MEAN 10.30 MAX 32.58 MIN 5.58

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) above mean sea level. 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 13.503 m, former site and datum, 47.2 ft or 14.387 m at present site and datum).
1904 to current year: Maximum gage height, 47.2 ft (14.387 m) Dec. 11, 1919; minimum since January 1972, 3.10 ft (0.945 m) Sept. 17, 18, 1972.

EXTREMES FOR CURRENT YEAR.--Maximum 38.00 ft (11.582 m) Apr. 3; minimum 3.29 ft (1.003 m) Aug. 27.

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
INSTANTANEOUS OBSERVATIONS AT 0700

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.93	4.98	6.97	11.81	8.87	6.09	34.26	5.63	6.86	4.85	4.29	4.55
2	5.86	4.94	7.01	11.76	8.06	6.04	34.79	5.52	6.56	4.71	4.27	4.61
3	5.12	4.92	6.67	13.94	7.31	6.01	38.00	4.98	6.85	4.76	4.25	5.17
4	4.87	4.89	7.00	14.03	7.24	5.52	37.85	4.96	6.52	4.61	4.21	4.82
5	4.69	4.88	6.83	12.25	6.87	5.47	34.97	4.95	6.61	4.50	3.98	4.80
6	4.62	5.11	6.51	10.89	6.71	5.45	31.73	4.93	6.41	5.60	3.70	4.90
7	4.58	5.18	9.77	8.21	6.62	9.28	26.71	5.28	6.20	6.78	3.69	5.07
8	16.61	5.12	7.32	11.26	7.19	11.44	18.63	10.45	6.04	6.62	3.57	4.32
9	11.97	5.04	6.97	11.12	7.98	14.13	13.10	12.81	5.91	5.17	3.53	4.30
10	7.52	5.55	6.30	10.29	7.32	17.98	12.13	14.45	5.89	4.91	3.51	4.72
11	5.63	5.85	6.26	9.16	6.92	11.81	11.54	11.63	4.83	4.77	3.49	4.76
12	5.27	6.31	5.71	8.43	6.76	17.55	11.15	8.90	4.79	4.70	3.48	4.41
13	5.06	6.51	5.38	8.79	6.59	16.44	10.19	7.59	4.76	4.67	3.48	4.39
14	4.89	6.30	5.31	9.71	6.26	15.51	8.83	9.55	4.75	4.63	3.47	4.33
15	4.61	5.60	5.19	11.10	5.97	20.91	10.82	10.71	4.43	4.57	3.49	4.31
16	6.27	5.41	5.04	10.79	5.84	23.46	10.49	15.62	4.24	4.77	3.51	3.74
17	11.29	5.37	6.28	9.28	5.96	24.74	10.19	14.83	4.27	4.75	3.50	3.71
18	15.43	5.34	10.31	7.98	6.07	24.60	9.83	12.29	8.56	4.61	3.47	3.69
19	15.51	5.31	11.69	7.48	6.06	24.53	9.64	9.16	11.90	4.47	3.45	3.62
20	15.56	5.06	9.02	6.31	6.09	25.61	9.21	7.95	9.78	4.40	3.43	3.57
21	15.31	6.15	7.42	6.23	5.97	25.96	9.34	7.43	8.73	4.07	3.43	3.49
22	8.06	5.38	6.62	6.76	8.52	24.23	9.07	7.17	7.19	3.85	3.42	3.45
23	6.41	5.24	5.87	6.59	10.42	21.10	8.81	6.93	5.83	3.82	3.42	3.43
24	5.68	5.11	5.60	6.23	8.26	19.76	6.58	6.85	5.31	3.78	3.40	3.41
25	4.89	5.03	5.89	6.07	7.40	19.20	6.47	6.72	4.94	3.76	3.39	3.39
26	5.23	5.35	11.69	19.10	6.14	16.82	6.39	6.72	4.59	3.77	3.34	3.43
27	5.64	5.81	15.62	22.79	6.40	16.72	6.19	6.68	4.73	3.75	3.29	3.47
28	5.57	6.70	15.81	19.58	6.29	22.28	6.07	7.84	5.18	3.90	3.31	3.46
29	5.52	7.82	13.95	15.20	6.23	23.39	6.00	8.10	5.13	3.98	3.63	3.45
30	5.39	6.41	13.09	11.93	---	22.96	5.71	7.41	4.95	4.37	4.39	3.42
31	5.07	---	11.88	9.74	---	33.50	---	7.14	---	4.31	4.42	---
MEAN	7.55	5.56	8.23	10.80	6.98	17.37	15.16	8.43	6.09	4.59	3.65	4.07
MAX	16.61	7.82	15.81	22.79	10.42	33.50	38.00	15.62	11.90	6.78	4.42	5.17
MIN	4.58	4.88	5.04	6.07	5.84	5.45	5.71	4.93	4.24	3.75	3.29	3.39
CAL YR 1975	MEAN	10.53	MAX	32.31	MIN	4.06						
WTR YR 1976	MEAN	8.22	MAX	38.00	MIN	3.29						

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) above mean sea level (Mississippi State Highway bench mark). 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, 0.85 ft (0.259 m) Aug. 23, 1976.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of April 1900 reached a stage of 51.5 ft (15.697 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, 35.69 ft (10.878 m) Apr. 4; minimum observed, 0.85 ft (0.259 m) Aug. 23.

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
INSTANTANEOUS OBSERVATIONS AT 0700

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.05	4.47	5.94	10.94	7.80	4.54	32.04	4.43	5.52	3.18	2.55	---
2	5.96	4.41	6.84	10.54	7.24	---	32.17	4.38	5.39	3.19	4.58	2.56
3	5.40	4.37	8.74	10.52	6.60	---	33.35	4.68	5.44	3.52	2.36	3.11
4	4.41	4.31	7.66	13.98	6.13	4.27	35.69	4.70	5.46	3.16	1.88	3.17
5	4.04	4.23	6.09	11.63	5.82	3.91	35.26	4.49	5.75	2.82	1.74	2.84
6	3.79	4.20	5.38	10.50	5.64	3.68	32.60	4.16	5.63	2.88	1.57	2.69
7	3.63	4.20	5.91	8.85	6.02	4.34	29.04	3.97	5.24	3.84	1.75	2.84
8	10.14	4.23	7.40	9.73	6.79	7.78	23.71	7.93	4.73	4.78	1.45	2.76
9	16.14	4.23	5.96	10.02	6.97	10.67	15.47	12.19	4.27	4.20	---	2.32
10	9.17	4.83	5.33	9.37	6.23	14.73	11.61	13.05	3.94	3.50	---	2.91
11	6.10	5.96	4.83	7.92	5.70	15.82	10.72	12.05	3.65	3.25	1.24	2.68
12	5.02	6.34	4.44	7.25	5.45	15.62	10.19	8.85	3.27	2.80	1.17	2.60
13	4.45	6.02	4.15	7.33	5.30	15.23	9.82	6.77	2.96	2.58	1.14	2.23
14	4.07	5.93	3.97	8.05	5.18	14.14	9.58	7.34	2.73	2.41	1.17	1.97
15	3.81	5.20	3.87	9.31	4.99	16.13	9.69	11.65	2.54	2.26	1.19	1.88
16	4.28	4.66	3.83	9.69	4.83	17.56	9.42	13.32	2.40	2.24	1.16	1.96
17	9.16	4.45	4.06	8.84	4.70	21.70	9.10	13.70	2.35	2.27	1.14	1.57
18	13.66	4.42	7.83	7.33	4.65	21.83	8.77	12.49	2.63	2.15	1.14	1.39
19	15.42	4.31	9.39	6.46	4.63	21.42	8.51	9.61	9.25	2.19	1.14	1.32
20	14.73	4.55	8.54	5.95	4.56	21.87	8.30	7.11	9.40	1.94	1.21	1.29
21	13.97	4.59	6.93	5.66	4.50	22.55	8.13	6.31	7.15	1.83	1.47	1.23
22	10.25	5.09	5.88	5.50	5.67	22.65	8.07	5.87	6.43	1.73	.88	1.22
23	6.54	---	5.10	5.40	8.57	21.16	7.47	5.64	4.81	1.65	.85	1.17
24	5.80	4.72	4.73	5.31	8.82	18.76	6.11	5.52	3.76	1.64	---	1.11
25	5.39	4.79	4.52	5.21	7.08	17.46	5.32	5.59	3.50	1.77	---	1.09
26	5.11	4.70	9.21	11.14	5.60	16.59	5.20	5.63	3.20	2.11	---	1.08
27	4.92	4.67	12.73	18.98	6.40	14.43	5.17	5.12	3.02	2.06	---	1.18
28	4.81	5.15	13.80	19.70	4.87	18.06	4.99	6.71	2.90	1.80	---	1.26
29	4.67	---	13.13	16.14	4.76	19.98	4.81	7.63	3.22	1.78	---	1.22
30	4.70	6.70	11.00	11.87	---	21.60	4.58	6.95	3.29	2.31	---	1.17
31	4.60	---	10.26	9.45	---	30.35	---	6.43	---	2.73	---	---
MEAN	7.04	---	7.00	9.63	5.91	---	14.50	7.56	4.46	2.60	---	---
MAX	16.14	---	13.80	19.70	8.82	---	35.69	13.70	9.40	4.78	---	---
MIN	3.63	---	3.83	5.21	4.50	---	4.58	3.97	2.35	1.64	---	---

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) above mean sea level. Prior to water year 1975, at datum 3.94 ft (1.201 m) lower.

REMARKS---Records good.

EXTREMES FOR PERIOD OF RECORD---Maximum discharge, 11,500 ft³/s (325 m³/s) Apr. 16, 1974, gage height, 33.81 ft (10.305 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---Maximum discharge, 10,500 ft³/s (297 m³/s) Apr. 1, gage height, 32.46 ft (9.894 m), only peak above base of 4,000 ft³/s (113 m³/s); minimum, 27 ft³/s (0.765 m³/s) Aug. 19, 20, 21, 30, gage height, 4.24 ft (1.292 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	715	283	336	1320	1530	330	10200	282	520	170	153	52
2	1170	263	409	1310	926	320	9640	270	737	173	209	74
3	884	247	534	3080	762	320	8750	271	510	306	111	100
4	666	234	528	2960	663	320	7690	284	459	181	75	70
5	464	225	406	2000	603	310	6030	256	406	143	60	140
6	374	223	342	1560	600	800	4600	228	371	267	52	148
7	538	227	902	1150	1000	1600	3360	478	304	167	49	194
8	1680	229	1170	1370	600	1500	1870	796	264	134	45	193
9	1750	396	510	1170	500	2000	1200	1080	235	189	42	177
10	1800	634	410	1060	420	2500	988	1180	205	180	40	184
11	1790	596	352	909	390	2000	873	1040	181	135	45	167
12	1700	528	315	826	380	1600	786	776	169	117	42	127
13	1340	456	293	819	370	1650	721	902	154	105	39	100
14	644	400	279	1020	360	1700	680	2740	138	268	36	81
15	476	364	270	1060	350	2000	708	2910	129	222	34	67
16	528	324	268	1010	350	2400	725	2280	122	152	32	62
17	1940	284	470	912	349	3000	632	1590	128	148	31	55
18	1770	257	955	741	349	2600	558	1210	122	116	30	50
19	1520	245	809	635	380	1900	506	844	151	93	28	44
20	1390	238	759	576	350	1500	464	569	160	79	27	42
21	1320	247	602	540	380	1600	443	451	195	69	28	40
22	1070	259	474	518	800	2100	438	380	178	62	40	42
23	654	286	414	499	700	2420	474	397	153	56	43	39
24	518	279	374	479	500	1580	419	443	129	52	36	35
25	456	257	636	465	450	1310	392	482	136	51	31	34
26	414	241	1800	1810	400	1200	380	334	139	55	29	47
27	384	243	1440	2350	370	2610	408	450	111	71	30	62
28	368	284	1270	2380	340	2920	366	1610	248	76	32	53
29	350	328	1170	2490	335	2530	320	1150	181	131	31	46
30	328	356	1370	2540	---	3410	289	953	131	114	29	41
31	304	---	1760	2350	---	7510	---	713	---	123	43	---
TOTAL	29305	9433	21630	41909	15507	59540	64910	27349	7066	4205	1552	2566
MEAN	945	314	698	1352	535	1921	2164	882	236	136	50.1	85.5
MAX	1940	634	1800	3080	1530	7510	10200	2910	737	306	209	194
MIN	304	223	268	465	335	310	289	228	111	51	27	34
CFSM	1.93	.64	1.42	2.76	1.09	3.92	4.42	1.80	.48	.28	.10	.17
IN.	2.22	.72	1.64	3.18	1.18	4.52	4.93	2.08	.54	.32	.12	.19
CAL YR 1975 TOTAL	383916			1052	4660	115	CFSM 2.15	IN 29.15				
WTR YR 1976 TOTAL	284972			779	MAX 10200	MIN 27	CFSM 1.59	IN 21.63				

02478500 CHICKASAWHAY RIVER AT LEAKESVILLE, MS

LOCATION.--Lat 31°08', long 88°33', 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.

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) above mean sea level (levels by Corps of Engineers). Prior to Oct. 19, 1939, nonrecording gage at same site and datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--38 years, 3,769 ft³/s (106.7 m³/s), 19.10 in/yr (485 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 31½ ft (9½ m), from information by local residents. The flood of Apr. 12, 1938, 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, 35,400 ft³/s (1,000 m³/s) Apr. 6, gage height, 29.10 ft (8.870 m); minimum, 455 ft³/s (12.9 m³/s) Aug. 27, 28; minimum gage height, 8.78 ft (2.676 m) Sept. 25.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6400	1760	2660	7080	6520	2260	22300	2200	3120	1170	1000	646
2	6160	1680	2680	6760	5540	2150	28400	2280	4100	1180	1140	690
3	4560	1620	2820	6150	4330	2060	31600	2070	3710	1270	1900	747
4	3330	1590	3240	9470	3610	2010	33000	2000	2900	1330	1300	878
5	2630	1550	3070	11600	3230	1950	33800	1890	2600	1330	918	1050
6	2250	1550	2570	9730	3110	1860	35000	1800	2780	1270	772	1160
7	2090	1600	2800	7320	3330	1880	34700	1870	2640	1440	710	1110
8	2700	1620	3650	6060	3430	2170	32100	2830	2250	1650	666	1040
9	5360	1900	4130	5750	3440	3430	28100	4990	1940	1620	658	1010
10	7560	4150	3000	5750	3440	5370	22500	5910	1730	1410	605	931
11	5580	4000	2450	5250	3130	7040	13200	6290	1580	1280	576	922
12	4060	3320	2150	4510	2840	7740	7290	5540	1460	1200	562	900
13	3480	3200	1970	4040	2680	7750	5900	4060	1330	1090	549	856
14	3060	2800	1830	3860	2570	7580	5280	5000	1230	1060	539	785
15	2380	2480	1730	4130	2470	8380	4930	9050	1160	1120	532	714
16	2160	2190	1680	4700	2380	10800	4760	9810	1110	1140	529	670
17	4230	1950	1600	4920	2310	13700	4550	9150	1090	1010	526	662
18	6620	1810	2140	4620	2240	15100	4250	8070	1080	944	512	620
19	7820	1730	3600	4020	2200	15400	3960	6410	1350	891	503	576
20	8030	1680	4100	3580	2170	15300	3740	4400	2830	865	496	556
21	7540	1750	3710	3300	2430	15200	3560	3200	3100	797	493	549
22	6800	1830	3060	3140	4800	15500	3460	2720	2470	759	526	542
23	5130	1880	2540	3000	4960	15900	3380	2600	2180	726	509	535
24	3350	1780	2210	2850	4670	15600	3080	2700	1760	706	471	529
25	2700	1750	2240	2820	4380	14100	3110	2560	1490	722	465	519
26	2400	1750	4000	3060	3600	11800	2970	2540	1340	722	471	532
27	2200	1780	6110	6840	2920	10700	2550	2420	1250	764	458	535
28	2080	1830	6880	9750	2580	11000	2350	3440	1170	743	483	556
29	2010	1910	7090	11400	2380	12300	2200	5360	1120	718	480	556
30	1940	2250	7090	10700	---	13300	2080	4510	1230	751	490	556
31	1860	---	6720	8200	---	16200	---	3500	---	865	559	---
TOTAL	128470	62690	105520	184440	97690	285530	398100	131170	59100	32543	20398	21942
MEAN	4144	2090	3404	5950	3369	9211	12940	4231	1970	1050	658	731
MAX	8030	4150	7090	11600	6520	16200	35000	9810	4100	1650	1900	1160
MIN	1860	1550	1600	2820	2170	1860	2080	1900	1080	706	458	519
CFSM	1.55	.78	1.27	2.22	1.26	3.44	4.83	1.58	.74	.39	.25	.27
IN.	1.78	.87	1.46	2.56	1.36	3.96	5.39	1.82	.82	.45	.28	.30
CAL YR 1975	TOTAL	2203410	MEAN	6037	MAX	22800	MIN	1100	CFSM	2.25	IN	30.58
WTR YR 1976	TOTAL	1517593	MEAN	4146	MAX	35000	MIN	458	CFSM	1.55	IN	21.07

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) above mean sea level. 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.--46 years, 9,667 ft³/s (273.8 m³/s), 19.89 in/yr (505 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, 77,300 ft³/s (2,190 m³/s) Apr. 5, gage height, 24.50 ft (7.468 m); minimum, 1,390 ft³/s (39.4 m³/s) Aug. 27, 28, gage height, 3.23 ft (0.984 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	21400	4550	6380	18800	19100	5480	36400	4580	9020	3190	2430	1670
2	29100	4370	6950	17500	15900	5180	46900	5100	11500	3330	2880	1850
3	19400	4220	6940	15400	12900	4930	60800	4660	11900	3350	3270	1940
4	11300	4090	7380	21000	10200	4770	72000	4300	8640	3420	3970	2150
5	8420	3990	7500	27400	8700	4640	76300	4080	7340	3630	3000	2600
6	7000	3990	6660	28200	7940	4490	74900	3870	7060	4560	2530	2950
7	6040	4150	7060	24300	9670	4470	71900	3990	6420	4110	2250	2900
8	8060	4220	8810	19000	10700	4820	65900	5220	5520	4130	2060	2770
9	11400	5200	9530	15900	9640	6310	53700	8210	4700	3890	1940	2790
10	12600	11400	8390	14200	8740	9030	43300	11500	4170	3640	1850	2590
11	12300	11100	6710	12400	8070	14000	35900	12600	3750	3360	1760	2570
12	10200	9670	5750	11000	7320	17100	27600	12800	3440	3070	1700	2480
13	8780	8890	5180	9990	6730	17500	16400	11600	3200	2950	1660	2210
14	7610	7750	4850	9480	6310	16100	10900	11300	2980	3020	1620	2050
15	6180	6550	4620	9480	6010	15400	9260	15700	2800	3760	1590	1910
16	5260	5690	4480	10300	5750	19800	8540	17300	2690	3390	1560	1790
17	10700	5060	4460	10800	5530	26000	8060	19000	2700	2950	1560	1700
18	19200	4630	4820	10400	5370	30700	7600	19100	3040	2740	1540	1650
19	23200	4360	7130	9210	5230	34400	7090	18000	4720	2550	1500	1580
20	24200	4210	8900	7960	5110	36800	6640	14400	5720	2400	1480	1520
21	23600	4290	8840	7140	5530	38300	6300	9780	6510	2260	1460	1480
22	23100	4400	7850	6630	12500	38800	6140	6840	5910	2130	1440	1450
23	20500	4390	6580	6280	13600	37200	6050	5930	5140	2040	1460	1440
24	12900	4280	5640	6040	11800	34500	5840	5530	4520	2030	1470	1420
25	8550	4130	5660	5880	10800	31700	6400	5280	3830	2100	1430	1440
26	6870	4050	10000	7060	9640	28700	6790	5190	3460	2200	1400	1440
27	6070	4240	12800	12700	8060	25500	5490	5270	3180	2180	1390	1430
28	5620	4470	14200	20000	6780	24000	4880	11100	2910	2150	1390	1420
29	5300	4640	14700	23600	5980	24300	4560	18100	2730	2270	1410	1450
30	5050	5200	15800	24300	---	25000	4320	16800	2710	2420	1460	1450
31	4800	---	17600	23000	---	27900	---	11400	---	2190	1560	---
TOTAL	384710	162180	252170	445350	259610	617820	796860	308530	152210	91410	58020	58090
MEAN	12410	5406	8135	14370	8952	19930	26560	9953	5074	2949	1872	1936
MAX	29100	11400	17600	28200	19100	38800	76300	19100	11900	4560	3970	2950
MIN	4800	3990	4460	5880	5110	4470	4320	3870	2690	2030	1390	1420
CFSM	1.88	.82	1.23	2.18	1.36	3.02	4.02	1.51	.77	.45	.28	.29
IN.	2.17	.91	1.42	2.51	1.46	3.48	4.49	1.74	.86	.52	.33	.33
CAL YR 1975 TOTAL	5842120			16010	MAX 60500	MIN 3560	CFSM 2.43	IN 32.93				
WTR YR 1976 TOTAL	3586960			9800	MAX 76300	MIN 1390	CFSM 1.48	IN 20.22				

PASCAGOULA RIVER BASIN

02479000 PASCAGOULA RIVER AT MERRILL, MS--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14.57	6.37	7.61	13.86	13.97	7.05	19.45	6.81	9.61	5.55	4.73	3.67
2	17.33	6.22	7.97	13.33	12.70	6.84	21.53	7.23	10.74	5.69	5.24	3.94
3	14.06	6.09	7.96	12.51	11.40	6.66	23.15	6.88	10.94	5.71	5.62	4.08
4	10.61	5.98	8.24	14.63	9.99	6.54	24.10	6.58	9.41	5.78	6.28	4.39
5	8.89	5.90	8.31	16.80	9.06	6.44	24.43	6.38	8.73	5.96	5.36	4.93
6	8.00	5.90	7.79	17.08	8.59	6.32	24.32	6.19	8.57	6.80	4.85	5.31
7	7.40	6.03	8.03	15.76	9.66	6.30	24.09	6.29	8.18	6.41	4.51	5.26
8	8.61	6.09	9.13	13.91	10.29	6.58	23.61	7.31	7.55	6.43	4.26	5.12
9	10.68	6.82	9.58	12.70	9.65	7.56	22.40	9.17	6.92	6.21	4.08	5.14
10	11.28	10.63	8.86	12.02	9.08	9.24	20.94	10.77	6.46	5.98	3.96	4.92
11	11.14	10.50	7.82	11.18	8.67	11.92	19.33	11.28	6.08	5.72	3.82	4.90
12	10.02	9.67	7.22	10.45	8.20	13.20	16.81	11.36	5.80	5.43	3.72	4.80
13	9.11	9.18	6.84	9.87	7.83	13.35	12.88	10.83	5.56	5.31	3.66	4.46
14	8.37	8.47	6.60	9.55	7.57	12.80	10.47	10.66	5.34	5.38	3.60	4.24
15	7.49	7.71	6.42	9.55	7.38	12.48	9.73	12.64	5.16	6.09	3.56	4.04
16	6.90	7.18	6.31	10.06	7.22	14.21	9.37	13.25	5.03	5.75	3.51	3.86
17	10.13	6.76	6.29	10.34	7.08	16.31	9.12	13.92	5.04	5.31	3.51	3.72
18	13.99	6.43	6.58	10.10	6.98	17.90	8.87	13.97	5.40	5.09	3.47	3.65
19	15.39	6.21	8.07	9.38	6.88	18.95	8.59	13.53	6.92	4.88	3.42	3.54
20	15.73	6.08	9.19	8.60	6.79	19.58	8.32	12.09	7.69	4.70	3.39	3.44
21	15.52	6.15	9.15	8.09	7.07	19.95	8.09	9.97	8.24	4.52	3.35	3.38
22	15.36	6.24	8.51	7.77	11.19	20.06	7.99	8.43	7.83	4.36	3.32	3.34
23	14.46	6.23	7.74	7.55	11.73	19.68	7.93	7.84	7.26	4.23	3.35	3.31
24	11.41	6.14	7.15	7.40	10.89	18.98	7.78	7.56	6.76	4.21	3.36	3.29
25	8.96	6.02	7.15	7.30	10.34	18.19	8.17	7.37	6.15	4.32	3.29	3.31
26	7.92	5.95	9.87	8.02	9.65	17.22	8.41	7.30	5.82	4.45	3.25	3.31
27	7.42	6.11	11.38	11.30	8.66	16.16	7.53	7.35	5.54	4.43	3.23	3.30
28	7.14	6.30	11.98	14.29	7.86	15.66	7.06	10.53	5.27	4.38	3.24	3.29
29	6.93	6.44	12.22	15.52	7.36	15.75	6.80	13.57	5.08	4.54	3.27	3.33
30	6.75	6.86	12.68	15.75	---	16.00	6.60	13.04	5.05	4.72	3.35	3.33
31	6.56	---	13.38	15.33	---	16.92	---	10.72	---	4.44	3.51	---
MEAN	10.58	6.89	8.58	11.61	9.09	13.38	13.93	9.70	6.94	5.25	3.91	4.02
MAX	17.33	10.63	13.38	17.08	13.97	20.06	24.43	13.97	10.94	6.80	6.28	5.31
MIN	6.56	5.90	6.29	7.30	6.79	6.30	6.60	6.19	5.03	4.21	3.23	3.29
CAL YR 1975	MEAN	11.68	MAX	23.14	MIN	5.24						
WTR YR 1976	MEAN	8.66	MAX	24.43	MIN	3.23						

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 Bennedale, 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, 31.0°C Aug. 15, 1962; minimum, 5.0°C Jan. 8, 1970.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 101 micromhos July 23, 24; minimum, 51 micromhos Feb. 22.

WATER TEMPERATURES: Maximum, 30.5°C July 24, 27-28, Aug. 15-16; minimum, 6.5°C Jan. 10.

WATER QUALITY DATA, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	TURBIDITY (JTU)	DISSOLVED OXYGEN (MG/L)	FECAL COLIFORM (COL. PER 100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)	HARDNESS (CA+MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	DISSOLVED CALCIUM (CA) (MG/L)
OCT												
11...	1300	12400	80	6.9	20.5	6	7.8	--	--	19	4	6.5
NOV												
11...	1230	11100	70	6.8	22.0	10	7.5	310	116	17	7	5.0
DEC												
14...	1600	4800	80	7.0	12.0	7	9.2	3200	3800	18	5	6.1
JAN												
11...	1630	12100	80	7.1	10.0	20	9.6	360	220	16	5	4.7
FEB												
16...	1700	5750	85	6.6	16.5	10	8.7	2050	14000	17	0	5.0
MAR												
23...	1118	37400	60	6.3	16.5	30	--	740	580	13	4	4.2
APR												
28...	1930	4800	85	6.9	23.0	6	--	47	140	17	9	5.8
MAY												
17...	1730	19300	73	6.9	23.0	45	7.4	80	275	19	11	6.3
JUN												
20...	1630	5820	80	5.9	26.5	20	6.8	80	240	18	10	5.7
JUL												
25...	1630	2130	85	6.5	29.5	10	6.8	120	380	23	6	7.4
AUG												
07...	1830	2210	85	6.4	30.0	15	6.6	160	420	13	0	4.1
SEP												
12...	1630	2630	80	6.6	25.5	15	7.6	220	720	14	0	4.0

02479020 PASCAGOULA RIVER NEAR BENNDALE, MS--CONTINUED

DATE	DIS- SOLVED MAG- NE- SIUM (MG/L)	DIS- SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	ALKA- LINIT- AS CACO3 (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	DIS- SOLVED FLUO- RIDE (F) (MG/L)	DIS- SOLVED SILICA (SiO2) (MG/L)
OCT												
11...	.7	5.0	34	.5	1.3	19	0	16	4.4	7.8	.1	8.6
NOV												
11...	1.1	5.4	39	.6	1.3	12	0	10	3.5	8.8	.1	9.7
DEC												
14...	.7	8.0	47	.8	1.5	16	0	13	4.5	13	.1	11
JAN												
11...	1.0	5.8	42	.6	1.3	13	0	11	6.0	10	.1	9.3
FEB												
16...	1.0	6.7	45	.7	1.2	21	0	17	4.5	10	--	11
MAR												
23...	.7	3.6	34	.4	1.4	12	0	10	5.0	6.3	.1	7.5
APR												
28...	.7	7.2	45	.8	1.2	10	0	8	5.4	9.1	.1	11
MAY												
17...	.9	5.1	34	.5	1.4	10	0	8	6.1	8.6	.1	8.0
JUN												
20...	.8	6.0	40	.6	1.4	10	0	8	4.6	8.2	.1	9.2
JUL												
25...	1.0	9.0	44	.8	1.5	20	0	16	7.6	11	.2	10
AUG												
07...	.7	8.1	53	1.0	1.8	16	0	13	5.2	14	.1	8.8
SEP												
12...	1.0	7.5	50	.9	1.8	18	0	15	6.9	8.5	.0	10

DATE	DIS- SOLVED SOLIDS (FEST- DUE AT 180 C) (MG/L)	DIS- SOLVED SOLIDS (SUM OF CONSTI- TUENTS) (MG/L)	DIS- SOLVED SOLIDS (TONS PER AC-FT)	DIS- SOLVED SOLIDS (TONS PER DAY)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL PHYTO- PLANK- TON (CELLS PER ML)	SUS- PENDE SEDIM- ENT (MG/L)	SUS- PENDE SEDIM- ENT (T/DAY)
OCT												
11...	41	45	.06	1370	.10	.54	.64	2.8	.06	6800	154	5160
NOV												
11...	50	41	.07	1500	.15	.43	.58	2.6	.07	4300	78	2340
DEC												
14...	62	53	.08	804	.19	.45	.64	2.8	.09	2100	25	324
JAN												
11...	59	46	.08	1930	.16	.31	.47	2.1	.06	780	112	3660
FEB												
16...	67	50	.09	1040	.22	.53	.75	3.3	.05	1000	44	683
MAR												
23...	59	35	.08	5960	.07	.52	.59	2.6	.09	420	126	12700
APR												
28...	61	47	.08	791	.21	.38	.59	2.6	.05	5700	152	1970
MAY												
17...	62	41	.08	3230	.20	.51	.71	3.1	.09	820	37	1930
JUN												
20...	58	41	.08	911	.26	.36	.62	2.7	.06	3900	57	896
JUL												
25...	62	59	.08	357	.01	.34	.35	1.6	.06	53000	18	104
AUG												
07...	67	51	.09	400	.30	.25	.55	2.4	.08	7400	--	--
SEP												
12...	38	49	.05	270	.43	.40	.83	3.7	.11	3600	20	142

02479020 PASCAGOULA RIVER NEAR BENNDAL, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	TOTAL ARSENIC (AS) (UG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	TOTAL CAD- MIUM (CD) (UG/L)	SUS- PENDE CAD- MIUM (CD) (UG/L)	DIS- SOLVED CAD- MIUM (CD) (UG/L)	TOTAL CHRO- MIUM (CR) (UG/L)	SUS- PENDE CHRO- MIUM (CR) (UG/L)	DIS- SOLVED CHRO- MIUM (CR) (UG/L)	TOTAL COBALT (CO) (UG/L)	SUS- PENDE COBALT (CO) (UG/L)	DIS- SOLVED COBALT (CO) (UG/L)
OCT											
11...	1	1	1	0	1	<10	<10	0	5	5	0
JAN											
11...	--	0	0	0	0	<10	<10	0	0	0	0
APR											
2A...	1	1	0	0	0	<10	<10	0	0	0	0
JUL											
25...	1	1	0	0	0	20	20	0	0	0	0

DATE	TOTAL COPPER (CU) (UG/L)	SUS- PENDE COPPER (CU) (UG/L)	DIS- SOLVED COPPER (CU) (UG/L)	TOTAL IRON (FE) (UG/L)	DIS- SOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	SUS- PENDE LEAD (PB) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)	TOTAL MAN- GANESE (MN) (UG/L)	SUS- PENDE MAN- GANESE (MN) (UG/L)	DIS- SOLVED MAN- GANESE (MN) (UG/L)
OCT											
11...	7	7	0	1500	840	4	4	0	90	0	90
JAN											
11...	7	7	0	1400	750	7	0	7	50	10	40
APR											
2A...	5	5	0	1200	970	3	3	0	110	0	120
JUL											
25...	12	12	0	1300	1100	12	12	0	60	0	70

DATE	TOTAL MERCURY (HG) (UG/L)	SUS- PENDE MERCURY (HG) (UG/L)	DIS- SOLVED MERCURY (HG) (UG/L)	TOTAL SELE- NIUM (SE) (UG/L)	SUS- PENDE SELE- NIUM (SE) (UG/L)	DIS- SOLVED SELE- NIUM (SE) (UG/L)	TOTAL ZINC (ZN) (UG/L)	SUS- PENDE ZINC (ZN) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)	TOTAL ORGANIC CARBON (C) (MG/L)
OCT										
11...	.1	.1	.0	0	0	0	30	20	10	6.2
JAN										
11...	--	--	.6	--	--	0	180	30	150	7.4
APR										
2A...	.8	.1	.7	0	0	0	40	40	0	6.4
JUL										
25...	.1	.0	.1	1	1	0	180	170	10	3.4

02479020 PASCAGOULA RIVER NEAR BENNDALE, MS--CONTINUED

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH		
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1					---	---	67	57	72	67	89	85
2					---	---	70	61	71	68	90	88
3					---	---	71	67	72	66	90	88
4					---	---	71	57	78	68	90	86
5					---	---	58	52	80	77	88	86
6					---	---	64	57	83	80	89	87
7					---	---	66	64	81	70	87	86
8					---	---	66	63	75	69	90	86
9					---	---	75	67	75	67	89	83
10					---	---	81	70	85	75	89	81
11					---	---	79	74	89	85	87	81
12					---	---	79	74	87	85	81	69
13					---	---	79	75	87	84	69	65
14					---	---	83	78	88	86	67	63
15					---	---	86	84	89	86	72	66
16					---	---	90	86	91	88	73	60
17					---	---	90	86	91	89	62	55
18					---	---	89	86	94	91	58	54
19					---	---	86	82	98	93	59	55
20					---	---	88	86	98	95	61	58
21					---	---	90	88	100	82	60	56
22					---	---	93	87	82	51	57	55
23					---	---	95	89	62	---	57	53
24					---	---	95	89	75	60	---	---
25					---	---	96	89	87	73	---	---
26					---	---	98	85	86	79	---	---
27					---	---	84	70	85	79	---	---
28					81	78	77	63	85	82	---	---
29					83	78	69	60	87	85	---	---
30					79	69	70	61	---	---	---	---
31					69	54	76	66	---	---	---	---
MONTH					---	---	98	52	100	51	---	---
APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER		
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	---	---	85	80	76	67	86	83	89	83	81	79
2	---	---	86	80	76	60	88	85	90	88	85	80
3	---	---	85	83	60	54	86	84	94	88	85	82
4	---	---	85	80	61	53	84	83	97	93	87	82
5	---	---	82	80	66	61	84	82	97	90	88	80
6	---	---	87	81	72	66	82	73	90	82	80	79
7	---	---	88	85	81	72	75	72	84	81	85	79
8	---	---	87	79	77	72	86	75	87	81	87	77
9	---	---	81	68	75	72	85	81	93	81	76	69
10	---	---	81	68	79	73	86	80	92	82	69	67
11	---	---	83	76	84	78	---	---	93	87	77	68
12	---	---	79	72	85	83	86	82	99	91	77	75
13	---	---	74	69	86	83	82	78	99	96	75	72
14	---	---	69	65	86	84	78	74	99	96	74	71
15	---	---	65	58	86	85	75	73	97	96	79	74
16	---	---	62	56	86	85	74	70	100	96	79	78
17	---	---	75	63	87	86	74	69	98	96	82	78
18	---	---	75	66	87	86	79	72	98	96	82	80
19	---	---	67	61	86	84	81	78	96	85	83	81
20	---	---	67	64	84	67	84	78	89	79	83	81
21	---	---	69	65	98	75	94	84	88	86	83	81
22	---	---	73	64	89	72	97	84	88	85	84	81
23	---	---	76	72	79	73	101	98	89	86	86	82
24	---	---	79	74	77	73	101	93	88	86	84	80
25	---	---	79	76	79	74	93	85	89	88	81	79
26	---	---	78	77	77	74	86	83	88	86	83	81
27	---	---	79	73	75	74	91	84	88	85	81	79
28	79	---	73	57	78	73	92	87	90	88	81	79
29	80	74	62	53	83	77	88	87	89	85	81	78
30	84	76	56	52	84	82	86	78	84	80	85	81
31	---	---	67	56	---	---	83	78	81	79	---	---
MONTH	---	---	88	52	98	53	101	69	100	78	88	67
YEAR	101	51										

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

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

02479020 PASCAGOULA RIVER NEAR BENNDALE, MS--CONTINUED

ANALYSES OF BIOLOGICAL DATA, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

OCT. 11, 1975

1300 HOURS

IDENTIFICATION OF PHYTOPLANKTON

6,800 CELLS/ML

ORGANISM NAME	COMMON NAME	CELLS/ML	PER CENT
CHLOROPHYTA	GREEN ALGAE		
..CHLOROPHYCEAE			
..CHLOROCOCCALES			
...OCCYSTACEAE			
....ANKISTRODESMUS		68	1
....DICTYOSPHAERIUM		270	4
...SCENEDESMACEAE			
....SCENEDESMUS		540	8
CHRYSOPHYTA			
..BACILLARIOPHYCEAE	DIATOMS		
..CENTRALES	CENTRIC		
...COSCINODISCAEAE			
....MELOSIRA		68	1
..PENNALES	PENNATE		
...NAVICULACEAE	NAVICULOID		
....NAVICULA		140	2
...NITZSCHIAEAE			
....NITZSCHIA		170	2
CYANOPHYTA	BLUE-GREEN ALGAE		
..MYXOPHYCEAE			
..CHROOCOCCALES	COCCOID		
...CHROOCOCCACEAE			
....ANACYSTIS		1,300	19
...OSCILLATORIALES	FILAMENTOUS		
...NOSTOCACEAE			
....APHANIZOMENON		750	11
...OSCILLATORIAEAE			
....OSCILLATORIA		3,500	52

NOV. 11, 1975

1230 HOURS

IDENTIFICATION OF PHYTOPLANKTON

4,400 CELLS/ML

ORGANISM NAME	COMMON NAME	CELLS/ML	PER CENT
CHLOROPHYTA	GREEN ALGAE		
..CHLOROPHYCEAE			
..CHLOROCOCCALES			
...OCCYSTACEAE			
....DICTYOSPHAERIUM		190	4
...SCENEDESMACEAE			
....SCENEDESMUS		48	1
CHRYSOPHYTA			
..BACILLARIOPHYCEAE	DIATOMS		
..CENTRALES	CENTRIC		
...COSCINODISCAEAE			
....CYCLOTELLA		48	1
..PENNALES	PENNATE		
...NAVICULACEAE	NAVICULOID		
....NAVICULA		48	1
...NITZSCHIAEAE			
....NITZSCHIA		330	8
CYANOPHYTA	BLUE-GREEN ALGAE		
..MYXOPHYCEAE			
...OSCILLATORIALES	FILAMENTOUS		
...OSCILLATORIAEAE			
....OSCILLATORIA		3,600	84
EUGLENOPHYTA	EUGLENOIDS		
..EUGLENOPHYCEAE			
...EUGLENALES			
....EUGLENACEAE			
.....EUGLENA		48	1

02479020 PASCAGOULA RIVER NEAR BENNDAL, MS--CONTINUED

ANALYSES OF BIOLOGICAL DATA, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DEC. 14. 1975
1600 HOURS

IDENTIFICATION OF PHYTOPLANKTON

2,100 CELLS/ML

ORGANISM NAME	COMMON NAME	CELLS/ML	PER CENT
CHLOROPHYTA	GREEN ALGAE		
..CHLOROPHYCEAE			
...CHLOROCOCCALES			
...OCCYSTACEAE			
....ANKISTRODESUS			0
....DICTYOSPHAERIUM		120	6
....SCENEDESMACEAE			
....ACTINASTRUM			0
....SCENEDESMUS		120	6
...VOLVOCALES			
...CHLAMYDOMONADACEAE			
....CHLAMYDOMONAS			0
CHRYSOPHYTA			
..BACILLARIOPHYCEAE	DIATOMS		
..PENNALES	PENNATE		
...CYMBELLACEAE			
...CYMBELLA			0
...FUNOTIACEAE			
...FUNOTIA		30	1
...FRAGILARIACEAE			
...SYNEDRA			0
...NAVICULACEAE	NAVICULOID		
...NAVICULA			0
...PINNULARIA			0
...NITZSCHIA			
...NITZSCHIA			0
..CHRYSOPHYCEAE	YELLOW-BROWN ALGAE		
...CHRYCOMONADALES			
...OCHROMONADACEAE			
....DINOBRYON			0
CYANOPHYTA	BLUE-GREEN ALGAE		
..MYXOPHYCEAE			
...CHROOCOCCALES	COCCOID		
...CHROOCOCCACEAE			
...AGMENELLUM		1,800	87
EUGLENOPHYTA	EUGLENOIDS		
..EUGLENOPHYCEAE			
...EUGLENALES			
...EUGLENACEAE			
...PHACIUS			0

JAN. 11. 1976
1630 HOURS

IDENTIFICATION OF PHYTOPLANKTON

780 CELLS/ML

ORGANISM NAME	COMMON NAME	CELLS/ML	PER CENT
CHLOROPHYTA	GREEN ALGAE		
..CHLOROPHYCEAE			
...CHLOROCOCCALES			
...OCCYSTACEAE			
....ANKISTRODESUS			0
....DICTYOSPHAERIUM		410	52
....SCENEDESMACEAE			
....ACTINASTRUM		130	16
....SCENEDESMUS		16	2
CHRYSOPHYTA			
..BACILLARIOPHYCEAE	DIATOMS		
..CENTRALES	CENTRIC		
...COSCINODISCACEAE			
...CYCLOTELLA		47	6
...MELOSIRA		63	8
..PENNALES	PENNATE		
...FRAGILARIACEAE			
...SYNEDRA			0
...GOMPHONEMACEAE			
....GOMPHONEMA		16	2
...NAVICULACEAE	NAVICULOID		
...NAVICULA		31	4
...PINNULARIA		16	2
CYANOPHYTA	BLUE-GREEN ALGAE		
..MYXOPHYCEAE			
...OSCILLATORIALES	FILAMENTOUS		
...OSCILLATORIACEAE			
....OSCILLATORIA		63	8

02479020 PASCAGOULA RIVER NEAR BENNDALE, MS--CONTINUED

ANALYSES OF BIOLOGICAL DATA, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

FER. 16, 1976
1700 HOURS

IDENTIFICATION OF PHYTOPLANKTON

1,000 CELLS/ML

ORGANISM NAME	COMMON NAME	CELLS/ML	PER CENT
CHLOROPHYTA	GREEN ALGAE		
..CHLOROPHYCEAE			
...CHLOROCOCCALES			
...OCCYSTACEAE			
....ANKISTRODESMUS		270	27
....DICTYOSPHAERIUM		91	9
....SELENASTRUM		23	2
...SCENEDESMACEAE			
....SCENEDESMUS		91	9
..TETRASPORALES			
...PALMELLACEAE			
....SPHAEROCYSTIS		180	18
..VOLVOCALES			
...SPONDYLOMORACEAE			
....PYRROTRYS		180	18
..ZYGNEATALES			
...DIFSMIDIACEAF	PLACONERM DESMIDS		
....CLOSTERIUM		23	2
CHRYSOPHYTA			
..BACILLARIOPHYCEAE	DIATOMS		
...PENNIALES	PENNATE		
...CYMBELLACEAE			
....CYMBELLA		23	2
...FUNOTIACEAE			
....FUNOTIA		23	2
...NAVICULACEAE	NAVICULOID		
....NAVICULA		46	4
...NITZSCHIA			
....NITZSCHIA		68	7

MAR. 23, 1976
1118 HOURS

IDENTIFICATION OF PHYTOPLANKTON

420 CELLS/ML

ORGANISM NAME	COMMON NAME	CELLS/ML	PER CENT
CHLOROPHYTA	GREEN ALGAE		
..CHLOROPHYCEAE			
...CHLOROCOCCALES			
...OCCYSTACEAE			
....ANKISTRODESMUS		78	19
....TETRAEDRON		8	2
...SCENEDESMACEAE			
....ACTINASTRUM			0
....SCENEDESMUS		93	22
CHRYSOPHYTA			
..BACILLARIOPHYCEAE	DIATOMS		
...CENTRALES	CENTRIC		
...COSCINODISCACEAE			
...MELOSIIRA		16	4
...PENNIALES	PENNATE		
...CYMBELLACEAE			
....AMPHORA			0
...FUNOTIACEAE			
....FUNOTIA			0
...NAVICULACEAE	NAVICULOID		
....NAVICULA		16	4
...NITZSCHIA			
....NITZSCHIA		47	11
....DENTICULA			0
CYANOPHYTA	BLUE-GREEN ALGAE		
..MYXOPHYCEAE			
...CHROOCOCCALES	COCCOID		
...CHROOCOCCACEAF			
...GOMPHOSPHAERIA			0
...OSCILLATORIALES	FILAMENTOUS		
...NOSTOCACEAE			
....ANABAENA			0
...OSCILLATORIA			
....OSCILLATORIA		160	37
EUGLENOPHYTA	EUGLENOIDS		
..EUGLENOPHYCEAE			
...EUGLENALES			
...EUGLENACEAE			
....TRACHELOMONAS		8	2

02479020 PASCAGOULA RIVER NEAR BENNDAL, MS--CONTINUED

ANALYSES OF BIOLOGICAL DATA, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

APR. 28, 1976
1930 HOURS

IDENTIFICATION OF PHYTOPLANKTON

5,700 CELLS/ML

ORGANISM NAME	COMMON NAME	CELLS/ML	PER CENT
CHLOROPHYTA	GREEN ALGAE		
..CHLOROPHYCEAE			
...CHLOROCOCCALES			
...MICRACTINIACEAE			
...MICRACTINIUM		820	14
...OCCYSTACEAE			
...ANKISTRODESMUS		330	6
...DICTYOSPHAERIUM		160	3
...KIRCHNERIELLA		120	2
...WESTELLA		1,300	23
...SCENEDESMACEAE			
...ACTINASTRUM		160	3
...SCENEDESMUS		1,600	29
CHRYSTOPHYTA			
..BACILLARIOPHYCEAE	DIATOMS		
..CENTRALES	CENTRIC		
...COSCINODISCACEAE			
...CYCLOTELLA		160	3
...MELOSIPIA			0
..PENNIALES	PENNATE		
...NAVICULACEAE	NAVICULOID		
...NAVICULA		160	3
...NITZSCHIA			
...NITZSCHIA		120	2
..XANTHOPHYCEAE	YELLOW-GREEN ALGAE		
...HETEROCOCCALES			
...CHLOROTHECIACEAE			
...OPHIOCYTIUM		41	1
CYANOPHYTA	BLUE-GREEN ALGAE		
..MYXOPHYCEAE			
...OSCILLATORIALES	FILAMENTOUS		
...OSCILLATORIA		660	12

02479020 PASCAGOULA RIVER NEAR BENNDAL, MS--CONTINUED

ANALYSES OF BIOLOGICAL DATA, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

MAY 17, 1976
1730 HOURS

IDENTIFICATION OF PHYTOPLANKTON

R20 CELLS/ML

__ORGANISM__NAME_____	__COMMON__NAME_____	CELLS/ML	PER_CENT
CHLOROPHYTA	GREEN ALGAE		
..CHLOROPHYCEAE			
...CHLOROCOCCALES			
...OCCYSTACEAE			
....ANKISTRODESMUS		41	5
....KIRCHNERIELLA		20	2
....OCCYSTIS		41	5
....WESTELLA		61	7
...SCENEDESMACEAE			
....SCENEDESMUS		120	15
..VOLVOCALES			
...CHLAMYDOMONADACEAE			
....CHLAMYDOMONAS		10	1
..ZYGEMATALES			
...DESMIDIACEAE	PLACODERM DESMIDS		
....CLOSTERIUM			0
....COSMARIUM		10	1
CHRYSOPHYTA			
..BACILLARIOPHYCEAE	DIATOMS		
..CENTRALES	CENTRIC		
...COSCINODISCACEAE			
....CYCLOTELLA		10	1
....MELOSIRA			0
..PENNALES	PFENNATE		
...EUNOTIACEAE			
....EUNOTIA		10	1
...FRAGILARIACEAE			
....FRAGILARIA		10	1
....SYNEDRA		20	2
...GOMPHONEMACEAE			
....GOMPHONEMA		41	5
...NAVICULACEAE	NAVICULOID		
....FRUSTULIA		10	1
....NAVICULA		41	5
....PINNULARIA			0
...NITZSCHIACEAE			
....NITZSCHIA		61	7
CYANOPHYTA	BLUE-GREEN ALGAE		
..MYXOPHYCEAE			
...CHROOCOCCALES	COCCOID		
...CHROOCOCCACEAE			
....ANACYSTIS		310	37
...OSCILLATORIALES	FILAMENTOUS		
...OSCILLATORIA			0
...OSCILLATORIA			
PYRRHOPHYTA			
..DINOPHYCEAE	DINOFLAGELLATES		
...PERIDINIALES			
...GLENODINIACEAE			
....GLENODINIUM			0

02479020 PASCAGOULA RIVER NEAR BENNDAL, MS--CONTINUED

ANALYSES OF BIOLOGICAL DATA, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

JUNE 20, 1976

0000 HOURS

IDENTIFICATION OF PHYTOPLANKTON

3.900 CELLS/ML

ORGANISM NAME	COMMON NAME	CELLS/ML	PER CENT
CHLOROPHYTA	GREEN ALGAE		
..CHLOROPHYCEAE			
...CHLOROCOCCALES			
...MICRACTINIACEAE			
....MICRACTINIUM		310	8
...OCCYSTACEAE			
....ANKISTRODESMUS		51	1
....DICTYOSPHAERIUM		250	6
...SCENEDESMACEAE			
....SCENEDESMUS		200	5
...ZYGNEMATALES			
....DESMIDIACEAE	PLACODERM DESMIDS		
....STAURASTRUM		51	1
CHRYSOPHYTA			
..BACILLARIOPHYCEAE	DIATOMS		
..PENNALES	PENNATE		
...GOMPHONEMATACEAE			
....GOMPHONEMA		51	1
...NAVICULACEAE	NAVICULOID		
....NAVICULA		150	4
...NITZSCHIACEAE			
....NITZSCHIA		310	8
CYANOPHYTA	BLUE-GREEN ALGAE		
..MYXOPHYCEAE			
...CHROOCOCCALES	COCOCOID		
...CHROOCOCCACEAE			
....ANACYSTIS		2,200	57
..OSCILLATORIALES	FILAMENTOUS		
...NOSTOCACEAE			
....ANABAENA		310	8
...OSCILLATORIAACEAE			
....OSCILLATOPTA			0

PASCAGOULA RIVER BASIN

02479020 PASCAGOULA RIVER NEAR BENNDALE, MS--CONTINUED

ANALYSES OF BIOLOGICAL DATA, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

JULY 25, 1976

1630 HOURS

IDENTIFICATION OF PHYTOPLANKTON

53,000 CELLS/ML

ORGANISM NAME	COMMON NAME	CELLS/ML	PER CENT
CHLOROPHYTA	GREEN ALGAE		
..CHLOROPHYCEAE			
...CHLOROCOCCALES			
...COELASTRACEAE			
....COELASTRUM		14,400	7
...HYDRODICTYACEAE			
....PEDIASTRUM			0
...MICRACTINACEAE			
....MICRACTINIUM		14,000	34
...OCCYSTACEAE			
....ANKISTRODESMUS		1,200	2
....DICTYOSPHERIUM		2,400	5
....KIRCHNERIELLA		1,900	4
....NEPHROCYTIUM		1,900	4
....OOCYSTIS			0
....TETRAEDRON		470	1
...SCENEDESMACEAE			
....ACTINASTRUM			0
....CRUCIGENIA		1,900	4
....SCENEDESMUS		7,600	14
....TETRALANTOS		950	2
....TETRASTRUM			0
..VOLVOCELES			
...VOLVOCEAE			
....GONIUM			0
....PANDORINA		1,900	4
CHRYSTOPHYTA			
..BACILLARIOPHYCEAE	DIATOMS		
...CENTRALES	CENTRIC		
...COSCINOIDISACEAE			
....CYCLOTELLA		2,600	5
..PENNALES	PENNATE		
...NAVICULACEAE	NAVICULOID		
....GYROSIGMA			0
....NAVICULA			0
....PINNULARIA			0
...NITZSCHIACEAE			
....NITZSCHIA			0
...SURIRELLACEAE			
....SURIRELLA			0
CYANOPHYTA	BLUE-GREEN ALGAE		
..MYXOPHYCEAE			
...CHROOCOCCALES	COCCOID		
...CHROOCOCCACEAE			
....AGMENELLUM		950	2
....ANACYSTIS		6,600	13
...OSCILLATORIALES	FILAMENTOUS		
...NOSTOCACEAE			
....ANABAENA			0
...OSCILLATORIACEAE			
....OSCILLATORIA			0
EUGLENOPHYTA	EUGLENOIDS		
..EUGLENOPHYCEAE			
...EUGLENALES			
...EUGLENACEAE			
....EUGLENA			0

02479020 PASCAGOULA RIVER NEAR BENNDALE, MS--CONTINUED

ANALYSES OF BIOLOGICAL DATA, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

AUG. 7, 1976
1830 HOURS

IDENTIFICATION OF PHYTOPLANKTON

7,400 CELLS/ML

ORGANISM NAME	COMMON NAME	CELLS/ML	PER CENT
CHLOROPHYTA	GREEN ALGAE		
..CHLOROPHYCEAE			
..CHLOROCOCCALES			
...COELASTRACEAE			
....COELASTRUM			0
...MICRACTINIACEAE			
....MICRACTINIUM		270	4
...OCCYSTACEAE			
....ANKISTRODESMUS		380	5
....DICTYOSPHAERIUM		380	5
....OCCYSTIS		140	2
....SELENASTRUM			0
....TETRAEDRON		68	1
...SCENEDESMACEAE			
....SCENEDESMUS		210	3
CHRYSOPHYTA			
..BACILLARIOPHYCEAE	DIATOMS		
..CENTRALES	CENTRIC		
...COSCINODISACEAE			
....CYCLOTELLA		140	2
..PENNALES	PENNATE		
....NAVICULACEAE	NAVICULOID		
....STAURONEIS			0
...NITZSCHACEAE			
....NITZSCHIA		140	2
CYANOPHYTA	BLUE-GREEN ALGAE		
..MYXOPHYCEAE			
..CHROOCOCCALES	COCCOID		
...CHROOCOCCACEAE			
....ANACYSTIS		890	12
...OSCILLATORIALES	FILAMENTOUS		
....OSCILLATORIACEAE		720	10
....LYNGRYA		4,000	54
....OSCILLATORIA			

SEP. 12, 1976
1630 HOURS

IDENTIFICATION OF PHYTOPLANKTON

3,600 CELLS/ML

ORGANISM NAME	COMMON NAME	CELLS/ML	PER CENT
CHLOROPHYTA	GREEN ALGAE		
..CHLOROPHYCEAE			
..CHLOROCOCCALES			
...OCCYSTACEAE			
....TETRAEDRON		78	2
...SCENEDESMACEAE			
....SCENEDESMUS		160	4
CHRYSOPHYTA			
..BACILLARIOPHYCEAE	DIATOMS		
..PENNALES	PENNATE		
....NAVICULACEAE	NAVICULOID		
....GYROSIGMA		20	1
....NAVICULA		120	3
...NITZSCHACEAE			
....NITZSCHIA		59	2
..CHRYSOPHYCEAE	YELLOW-BROWN ALGAE		
...CHRYSOMONADALES			
....OCHROMONADACEAE			
....OCHROMONAS		20	1
CYANOPHYTA	BLUE-GREEN ALGAE		
..MYXOPHYCEAE			
..CHROOCOCCALES	COCCOID		
...CHROOCOCCACEAE			
....ANACYSTIS		78	2
...OSCILLATORIALES	FILAMENTOUS		
....OSCILLATORIACEAE			
....OSCILLATORIA		3,000	85

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) above mean sea level (Mississippi State Highway Department bench mark).

REMARKS.--Records good.

AVERAGE DISCHARGE.--6 years, 740 ft³/s (20.96 m³/s), 27.84 in/yr (707 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, 86 ft³/s (2.44 m³/s), part of each day Oct. 13-19, gage height, 3.80 ft (1.158 m).

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 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)
Oct. 1	0900	*6,260 177	17.55 5.349	Jan. 3	2230	3,620 103	12.92 3.938
Oct. 17	0500	4,990 141	15.47 4.715				

Minimum discharge, 80 ft³/s (2.27 m³/s) Aug. 26, 27, 28; minimum gage height, 3.62 ft (1.103 m) Aug. 27.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1	5410	326	519	870	1320	331	2250	238	468	138	297	107	
2	1800	319	519	681	1240	324	2080	350	595	122	631	213	
3	799	314	482	2260	862	326	1580	353	434	139	618	196	
4	528	314	452	3260	664	326	957	245	367	191	678	240	
5	444	317	408	2150	583	314	644	200	338	269	324	302	
6	405	331	413	1320	558	312	477	179	345	552	198	410	
7	1040	347	1270	1150	752	400	421	178	215	727	163	377	
8	1180	375	923	1220	723	447	387	312	173	496	139	302	
9	671	441	695	916	688	631	348	413	151	262	124	242	
10	485	552	564	734	624	468	307	365	136	260	113	200	
11	413	516	488	654	555	421	281	319	127	377	107	159	
12	367	654	439	644	477	392	265	276	120	355	103	131	
13	338	576	426	624	449	350	285	631	111	309	101	116	
14	317	436	415	552	413	333	324	719	104	314	98	106	
15	317	365	410	546	380	418	309	488	103	691	107	100	
16	1920	336	428	513	370	651	297	365	102	331	112	94	
17	4540	324	463	451	365	828	267	300	145	242	93	92	
18	2460	317	558	454	357	802	234	236	181	189	90	89	
19	1370	314	549	428	345	828	217	195	317	160	87	87	
20	935	360	505	421	331	674	209	175	678	141	84	127	
21	734	426	449	415	843	558	209	162	570	129	84	167	
22	564	410	392	408	2080	510	260	160	262	117	84	175	
23	528	390	377	400	938	460	278	200	163	111	84	175	
24	479	370	350	392	611	423	240	193	135	106	84	175	
25	444	360	558	387	482	859	260	227	131	103	84	178	
26	421	365	881	734	423	851	274	278	135	104	80	178	
27	410	528	678	685	387	1670	256	434	156	101	80	175	
28	397	505	552	605	362	1110	215	2410	120	132	81	154	
29	380	465	691	674	343	674	195	1570	111	423	83	139	
30	362	449	843	644	---	540	193	766	112	348	92	113	
31	341	---	1230	465	---	1530	---	540	---	251	107	---	
TOTAL	30799	12142	17927	25777	18525	18761	14519	13477	7105	8190	5210	5319	
MEAN	994	405	578	832	639	605	484	435	237	264	168	177	
MAX	5410	654	1270	3260	2080	1670	2250	2410	678	727	678	410	
MTN	317	314	350	387	331	312	193	160	102	101	80	87	
CFSM	2.75	1.12	1.60	2.30	1.77	1.68	1.34	1.20	.66	.73	.47	.49	
IN.	3.17	1.25	1.85	2.66	1.91	1.93	1.50	1.39	.73	.84	.54	.55	
CAL YR 1975	TOTAL	339842		MEAN	931	MAX	7410	MIN	160	CFSM	2.58	IN	35.02
WTR YR 1976	TOTAL	177751		MEAN	486	MAX	5410	MIN	40	CFSM	1.35	IN	18.32

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.--10 years, 89.7 ft³/s (2.540 m³/s), 23.34 in/yr (593 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 7,720 ft³/s (219 m³/s) Apr. 13, 1969, gage height, 26.01 ft (7.928 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)
Oct. 1	1230	*2,280 65	18.49 5.636	May 27	2000	1,440 41	14.46 4.407

Minimum discharge, 8.2 ft³/s (0.23 m³/s) Aug. 30, 31, Sept. 19-20, 23-24, gage height, 5.58 ft (1.701 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1820	33	105	214	212	41	283	165	118	17	11	10
2	576	33	84	123	161	40	105	69	278	47	63	16
3	154	33	52	307	88	40	71	33	162	104	38	24
4	94	34	44	408	70	39	56	23	93	133	20	123
5	77	35	41	169	62	37	49	19	63	297	15	149
6	72	39	42	123	83	38	43	23	58	232	14	95
7	115	51	120	128	124	54	37	48	40	78	17	89
8	196	45	92	146	75	46	33	96	30	44	12	46
9	94	178	64	102	59	131	29	56	25	33	11	39
10	59	317	51	86	53	78	26	33	22	31	10	24
11	48	109	44	82	50	47	25	32	20	30	10	17
12	41	80	42	90	48	39	24	35	18	43	9.7	13
13	37	63	40	84	45	38	24	150	17	24	9.3	12
14	34	49	39	76	44	40	24	647	15	48	9.0	11
15	34	44	39	65	42	66	23	422	14	49	8.7	9.7
16	277	42	69	58	41	98	21	118	15	26	8.7	9.0
17	575	40	63	55	41	104	20	58	36	19	9.7	8.7
18	205	39	66	51	40	54	19	38	31	15	9.0	8.5
19	102	38	50	48	36	41	18	28	72	12	8.7	8.2
20	77	40	44	48	33	38	17	24	84	11	9.7	8.2
21	63	59	41	49	241	62	18	21	39	11	8.7	8.7
22	55	49	38	48	581	59	20	28	23	9.7	9.0	9.0
23	50	42	38	48	164	40	18	56	18	9.3	12	8.5
24	47	38	37	47	95	33	16	45	25	9.0	12	8.2
25	44	38	230	51	74	159	304	150	26	10	11	9.3
26	44	40	357	408	63	150	106	59	23	9.7	11	12
27	44	89	128	150	54	240	37	486	31	11	12	13
28	44	65	86	94	48	187	25	775	22	10	15	13
29	41	48	137	74	44	93	21	197	17	10	16	12
30	37	47	217	64	---	80	27	93	15	9.0	18	12
31	34	---	449	58	---	360	---	63	---	11	8.5	---
TOTAL	5190	1857	2949	3594	2771	2612	1539	4090	1450	1402.7	436.7	826.0
MEAN	167	61.9	95.1	116	95.6	84.3	51.3	132	48.3	45.2	14.1	27.5
MAX	1820	317	449	408	581	360	304	775	278	297	63	149
MTN	34	33	37	47	33	33	16	19	14	9.0	8.5	8.2
CFSM	3.20	1.19	1.82	2.22	1.83	1.61	.98	2.53	.93	.87	.27	.53
IN.	3.70	1.32	2.10	2.56	1.97	1.86	1.10	2.91	1.03	1.00	.31	.59

CAL YR 1975	TOTAL	55167.0	MEAN 151	MAX 2610	MIN 17	CFSM 2.89	IN 39.31
WTR YR 1976	TOTAL	28717.4	MEAN 78.5	MAX 1820	MIN 8.2	CFSM 1.50	IN 20.46

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 1975 TO SEPTEMBER 1976

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	DISSOLVED OXYGEN (MG/L)	FFCAL COLIFORM (COL. PER 100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)
OCT 11...	1145	56	32	6.5	19.5	8.1	1300	980
DEC 14...	1800	35	20	7.2	16.5	8.8	33	60
FEB 16...	1545	41	23	6.8	15.5	8.8	10	60
MAR 23...	0909	40	31	6.0	14.0	10.2	--	--
APR 28...	1800	24	30	6.9	20.0	8.2	20	93
MAY 16...	1100	116	27	6.9	21.0	8.0	15	85
JUN 20...	1500	82	28	5.8	25.5	7.8	160	490
JUL 25...	1500	9.7	22	5.9	28.0	7.5	--	--
AUG 07...	1700	14	25	5.8	28.5	7.4	95	290
SEP 12...	1745	13	25	6.5	24.5	8.0	--	--

DATE	HARDNESS (CA, MG/L)	NON-CARBONATE HARDNESS (MG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG/L)	DISSOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM	SODIUM ADSORPTION RATIO	DISSOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)
OCT 11...	4	0	1.1	.2	1.6	46	.4	.4	8	0
DEC 14...	5	4	2.0	.1	1.9	42	.4	.3	2	0
FEB 16...	2	2	.6	.2	2.0	41	.6	3.1	0	0
APR 28...	9	9	2.9	.4	2.1	33	.3	.4	0	0
JUN 20...	1	1	.1	.1	1.7	76	.9	.4	0	0
AUG 07...	3	0	.9	.1	1.8	55	.5	.4	6	0

DATE	ALKALINITY AS CaCO3 (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	DISSOLVED SILICA (SiO2) (MG/L)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	DISSOLVED SOLIDS (TONS PER AC-FT)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)
OCT 11...	7	2.6	3.1	.0	12	29	25	.04	.01	.00
DEC 14...	2	1.6	5.3	.1	12	26	24	.04	.04	.01
FEB 16...	0	2.2	3.1	.0	9.9	32	21	.04	.02	.01
APR 28...	0	20	2.9	.1	10	56	39	.08	.03	.01
JUN 20...	0	4.0	2.6	.1	11	43	20	.06	.01	.01
AUG 07...	5	3.1	2.9	.1	10	30	22	.04	.03	.00

02479155 CYPRESS CREEK NEAR JANICE, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	TOTAL FILT- RABLE RESIDUE (MG/L)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	TOTAL ARSENIC (AS) (UG/L)	TOTAL BARIUM (BA) (UG/L)	TOTAL CAD- MIUM (CD) (UG/L)	TOTAL CHRO- MIUM (CR) (UG/L)	TOTAL COPPER (CU) (UG/L)	TOTAL IRON (FE) (UG/L)
OCT 11...	38	4	0	300	0	<10	0	580
APR 28...	--	--	0	0	0	<10	0	360

DATE	TOTAL LEAD (PB) (UG/L)	TOTAL VAN- GANESE (VN) (UG/L)	TOTAL MERCURY (HG) (UG/L)	TOTAL SELE- NIUM (SE) (UG/L)	TOTAL SILVER (AG) (UG/L)	TOTAL ZINC (ZN) (UG/L)	TOTAL ORGANIC CARBON (C) (MG/L)	CYANIDE (CN) (MG/L)
OCT 11...	2	60	.3	0	0	20	11	.00
APR 28...	0	30	.0	0	0	30	--	.00

RADIOCHEMICAL ANALYSES, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	DIS- SOLVED GROSS ALPHA AS U-NAT. (UG/L)	SUS- PENDED GROSS ALPHA AS U-NAT. (UG/L)	DIS- SOLVED GROSS BETA AS CS-137 (PC/L)	SUS- PENDED GROSS BETA AS CS-137 (PC/L)	DIS- SOLVED GROSS BETA AS AS SR90 /Y90 (PC/L)	SUS- PENDED GROSS BETA AS AS SR90 /Y90 (PC/L)	DIS- SOLVED RA-226 (RADON METHOD) (PC/L)	DIS- SOLVED URANIUM (U) (UG/L)
OCT 11...	1.2	.4	1.4	<.5	1.1	<.5	.05	.06

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	TOTAL PCB (UG/L)	PCB IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ALDRIN (UG/L)	ALDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL CHLOR- DANE (UG/L)	CHLOR- DANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDD (UG/L)	DDD IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDE (UG/L)	DDE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDT (UG/L)
OCT 11...	.0	0	.00	.0	.0	0	.00	.0	.00	.0	.00

DATE	TOTAL DDT IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DIT- AZINON (UG/L)	DI- ELDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ENDRIN (UG/L)	ENDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ETHION (UG/L)	TOTAL HEPTA- CHLOR (UG/L)	HEPTA- CHLOR IN BOTTOM MA- TERIAL (UG/KG)	TOTAL EPOXIDE (UG/L)	HEPTA- CHLOR EPOXIDE IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL LINDANE (UG/L)
OCT 11...	.0	.00	.0	.00	.0	.00	.00	.0	.00	.0	.00

DATE	TOTAL LINDANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL MALA- THION (UG/L)	TOTAL METHYL PARA- THION (UG/L)	TOTAL METHYL TRI- THION (UG/L)	TOTAL PARA- THION (UG/L)	TOTAL TOX- APHENE (UG/L)	TOTAL TOX- APHENE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL TRI- THION (UG/L)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)
OCT 11...	.0	.00	.00	.00	.00	0	0	.00	.00	.00	.00

PASCAGOULA RIVER BASIN

02479155 CYPRESS CREEK NEAR JANICE, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	TIME	INSTAN- TANEOUS DIS- CHARGE (CFS)	SUS- PENDE SEDIM- ENT (MG/L)	SUS- PENDE SEDIM- ENT CHARGE (T/DAY)
OCT				
11...	1145	56	2	.30
NOV				
11...	1120	109	22	6.5
DEC				
14...	1800	39	124	13
25...	0800	53	14	2.0
25...	1350	368	148	147
25...	1700	435	114	134
26...	0800	427	148	171
26...	1530	344	34	32
27...	1200	132	16	5.7
JAN				
03...	0900	245	64	42
FEB				
16...	1545	41	3	.33
MAR				
23...	0909	40	12	1.3
APR				
28...	1800	24	15	.97
MAY				
16...	1100	116	19	6.0
27...	1000	44	26	3.1
27...	1315	254	186	128
27...	1320	278	200	150
27...	1530	448	192	232
27...	1550	509	288	396
28...	0030	1340	242	876
28...	0650	984	124	329
28...	1145	672	116	210
28...	1755	537	92	133
29...	0705	236	76	48
JUL				
25...	1500	9.7	10	.26
AUG				
07...	1700	14	18	.68
SEP				
12...	1745	13	8	.28

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 48.89 ft (14.902 m) above mean sea level.

REMARKS.--Records good.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 25,000 ft³/s (708 m³/s) Apr. 15, 1974, gage height, 25.55 ft (7.788 m); minimum, 164 ft³/s (4.64 m³/s) Oct. 19, 20, 1972, gage height, 3.80 ft (1.158 m).

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) (m ³ /s)	Gage height (ft) (m)	Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
Oct. 3	0230	*10,500 297	21.74 6.626	Oct. 18	2330	7,430 210	18.59 5.666

Minimum discharge, 164 ft³/s (4.64 m³/s) Aug. 26, 27, gage height, 4.21 ft (1.283 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6470	694	954	2700	1460	671	3520	518	1060	349	471	226
2	9680	668	1080	1670	2700	647	3290	601	1580	436	785	239
3	9870	653	913	1580	1860	639	2490	548	1310	539	977	358
4	4570	644	807	4100	1380	633	1820	481	974	647	858	526
5	1660	612	748	5270	1160	615	1320	367	829	665	782	767
6	1350	650	697	3520	1080	592	1010	324	751	1460	481	792
7	1240	736	1250	2000	1270	630	829	370	688	1090	403	839
8	2760	788	1880	2020	1290	727	745	570	539	1380	331	662
9	3270	1090	1380	1820	1170	1080	673	633	458	1050	283	529
10	1610	2050	1070	1460	1100	1190	604	618	411	590	253	431
11	1220	1650	900	1280	1020	833	548	548	377	562	235	351
12	1040	1350	798	1230	935	724	510	564	351	990	222	289
13	929	1270	739	1220	855	679	489	1200	331	712	214	253
14	839	997	715	1160	795	633	502	2980	309	590	222	233
15	779	817	697	1070	742	691	518	3510	291	1320	209	216
16	1140	730	736	984	706	833	486	1550	285	1150	203	203
17	4480	688	776	935	694	1310	466	842	320	627	214	193
18	6850	659	842	897	685	1190	426	613	389	489	193	185
19	6310	639	890	839	662	1110	391	473	494	403	182	180
20	2520	639	829	807	630	1060	370	391	745	351	178	176
21	1620	757	773	795	1110	997	358	347	945	318	173	196
22	1350	823	662	782	3690	1000	363	340	718	294	169	245
23	1160	739	650	764	3620	833	401	486	468	272	173	253
24	1070	688	624	779	1570	727	401	497	367	274	175	257
25	987	659	967	779	1120	1210	849	576	433	278	167	272
26	929	650	2230	1550	938	1960	997	590	411	259	166	296
27	893	839	1780	2150	836	2400	539	932	401	249	167	296
28	865	1040	1220	1380	761	3600	433	5260	389	239	176	285
29	826	871	1130	1140	706	1900	365	5020	342	333	175	270
30	779	813	1660	1140	---	1260	335	2350	333	665	175	263
31	733	---	2770	1050	---	1770	---	1220	---	564	180	---
TOTAL	79799	25903	33167	48871	36545	34144	26048	35319	17299	19145	9592	10281
MEAN	2574	863	1070	1576	1260	1101	868	1139	577	618	309	343
MAX	9870	2050	2770	5270	3690	3600	3520	5260	1580	1460	977	839
MIN	733	612	624	764	630	592	335	324	285	239	166	176
CFSM	3.53	1.18	1.47	2.16	1.73	1.51	1.19	1.56	.79	.85	.42	.47
IN.	4.07	1.32	1.69	2.49	1.86	1.74	1.33	1.80	.88	.98	.49	.52

CAL YR 1975	TOTAL	710359	MEAN	1946	MAX	11900	MIN	400	CFSM	2.67	IN	36.20
WTR YR 1976	TOTAL	376113	MEAN	1028	MAX	9870	MIN	166	CFSM	1.41	IN	19.17

PASCAGOULA RIVER BASIN

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) above mean sea level.

REMARKS.--Records good.

AVERAGE DISCHARGE.--18 years, 836 ft³/s (23.68 m³/s), 27.29 in/yr (693 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)
Oct. 3	1900	*6,750 191	14.65 4.465	Feb. 23	1800	4,240 120	13.80 4.206
Oct. 19	1230	4,170 118	13.77 4.197	May 29	2000	4,020 114	13.71 4.179

Minimum discharge, 142 ft³/s (4.02 m³/s), Sept. 24, gage height, 3.97 ft (1.210 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2250	560	885	2230	857	604	1320	768	1070	398	257	248
2	4140	542	986	1770	1630	570	1200	584	1710	407	421	269
3	6300	528	792	1250	1600	550	868	425	2020	562	371	347
4	5850	524	662	1200	1230	536	704	330	1240	618	419	445
5	3200	524	594	1490	956	520	616	274	1390	568	371	462
6	1540	534	558	1440	844	502	564	245	1120	704	304	570
7	1100	606	638	1360	980	496	516	263	770	842	262	610
8	1260	670	1320	1300	874	514	472	367	652	720	247	592
9	2020	1060	1190	1170	752	608	428	436	536	610	216	486
10	1960	2180	920	1000	664	776	380	364	456	786	197	382
11	1190	2140	736	901	608	620	342	330	410	684	184	314
12	903	1730	626	830	570	630	323	315	367	506	176	262
13	788	1820	576	798	544	538	322	865	333	614	171	226
14	716	1210	546	774	520	494	320	1830	310	530	253	204
15	664	859	524	732	502	528	322	2810	290	668	236	186
16	808	744	590	684	488	582	315	2440	277	852	191	175
17	1880	686	604	644	478	672	301	1160	278	558	175	166
18	3090	646	572	606	474	642	287	686	360	409	171	160
19	4020	616	546	580	460	560	277	518	401	334	160	155
20	3110	602	526	546	439	488	266	428	754	296	153	152
21	1610	652	500	528	688	464	282	376	772	272	149	149
22	1050	688	472	518	2780	616	254	357	542	250	147	147
23	892	646	460	508	4020	692	245	490	423	232	147	145
24	810	602	450	500	3140	588	245	536	362	221	147	147
25	756	572	654	498	1650	1140	320	896	428	289	147	160
26	714	558	1550	614	1070	2090	546	692	538	272	146	169
27	688	656	1420	1230	820	2280	556	630	436	236	155	168
28	668	826	984	1090	718	2260	374	2660	400	215	164	189
29	644	780	865	760	652	2130	295	3780	412	233	158	185
30	614	692	1210	636	---	1640	260	3270	330	333	158	176
31	586	---	1820	574	---	1340	---	1560	---	265	269	---
TOTAL	55821	25453	24776	28761	31010	26740	13520	30685	19387	14484	6722	8046
MEAN	1801	848	799	928	1069	863	451	990	646	467	217	268
MAX	6300	2180	1820	2230	4020	2280	1320	3780	2020	852	421	610
MIN	586	524	450	458	439	464	245	245	277	215	146	145
CFSM	4.33	2.04	1.92	2.23	2.57	2.07	1.08	2.38	1.55	1.12	.52	.64
IN.	4.99	2.28	2.22	2.57	2.77	2.39	1.21	2.74	1.73	1.30	.60	.72

CAL YR	TOTAL	MEAN	MAX	MIN	CFSM	IN
YR 1975	486220	1332	6790	373	3.20	43.48
YR 1976	285405	780	6300	145	1.88	25.52

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, 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) from topographic map.

REMARKS.--Water-discharge record good except for period of no gage-height record, Aug. 12 to Sept. 30, which is poor.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 10,900 ft³/s (309 m³/s) Apr. 12, 1975, gage height, 18.06 ft (5.505 m); minimum daily, 140 ft³/s (3.96 m³/s) Aug. 25, 1976.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of March 1929 reached a stage of 72.0 ft (21.9 m) +1.0 ft (0.3 m), MSL, 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.--Maximum discharge, 5,800 ft³/s (164 m³/s) Oct. 3, gage height, 15.37 ft (4.685 m), no other peak above base of 5,000 ft³/s (142 m³/s); minimum daily discharge, 140 ft³/s (3.96 m³/s) Aug. 25, gage height, 2.61 ft (0.796 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2560	630	1370	2660	1270	712	3210	409	1340	385	527	740
2	4850	610	1520	1950	1570	642	3310	361	1570	387	545	600
3	5670	590	1340	1550	1230	605	3580	337	1880	389	415	350
4	5600	580	1160	1390	1010	575	3830	363	1610	453	317	290
5	4320	573	1010	1460	879	555	2590	307	1840	525	273	330
6	3280	650	894	1540	831	537	1400	236	2050	700	267	350
7	2690	1140	1050	1610	1070	553	1040	493	1690	780	230	330
8	2490	1180	1220	1730	1080	569	813	1000	1170	600	213	310
9	2120	1630	1260	1510	921	677	670	1220	801	460	203	340
10	1820	3950	1280	1240	804	1010	577	975	610	370	189	360
11	1570	4180	1260	1080	730	1050	525	745	501	330	178	290
12	1400	3040	1170	1020	677	837	491	702	423	340	150	240
13	1240	2490	1010	966	627	670	503	738	365	470	150	210
14	1100	2120	879	921	585	607	553	1410	323	513	160	180
15	936	1790	742	855	561	652	737	1990	291	467	150	180
16	1230	1500	692	783	543	682	567	1720	270	375	150	170
17	3600	1250	680	730	533	840	469	1410	269	431	200	170
18	4090	1020	687	695	527	918	419	1280	295	449	280	160
19	3190	873	685	670	511	894	387	1190	555	377	200	160
20	2350	810	687	647	489	921	361	912	559	311	160	150
21	1920	933	687	620	870	996	345	612	789	254	160	150
22	1670	951	672	595	3490	1070	333	457	595	227	150	160
23	1400	876	655	575	4090	984	317	700	417	209	150	160
24	1130	798	625	565	2840	762	303	1260	353	210	150	170
25	942	750	692	565	2050	861	351	1250	387	363	140	180
26	840	720	1280	831	1680	1090	963	981	383	413	160	190
27	798	780	1450	1180	1400	1640	1100	807	329	455	400	200
28	765	807	1380	1060	1140	2810	807	2530	345	433	350	190
29	732	825	1300	879	876	2020	557	3050	515	487	300	180
30	697	834	1640	795	---	1640	475	2110	499	479	220	170
31	657	---	2450	792	---	1840	---	1450	---	397	400	---
TOTAL	67657	38880	33427	33464	34884	30219	31583	33005	23024	13039	7537	7660
MEAN	2182	1296	1078	1079	1203	975	1053	1065	767	421	243	255
MAX	5670	4180	2450	2660	4090	2810	3830	3050	2050	780	545	740
MIN	657	573	625	565	489	537	303	236	269	209	140	150
CFSM	4.31	2.56	2.13	2.13	2.38	1.93	2.08	2.10	1.52	.83	.48	.50
IN.	4.97	2.86	2.46	2.46	2.56	2.22	2.32	2.43	1.69	.96	.55	.56
CAL YR 1975 TOTAL	704091		MEAN	1929	MAX	10700	MIN	400	CFSM	3.81	IN	51.76
WTP YR 1976 TOTAL	354379		MEAN	968	MAX	5670	MIN	140	CFSM	1.91	IN	26.05

PASCAGOULA RIVER BASIN

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.

GAGE.--Water-stage recorder. Datum of gage is 1.97 ft (0.600 m) above mean sea level. July 1948 to 1961, nonrecording gage at same site and different datum.

REMARKS.--Records poor. No gage-height record Oct. 2 to Nov. 4, Nov. 16 to Dec. 22, Feb. 9 to Mar. 9, and July 19 to Aug. 25.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,160 ft³/s (118 m³/s) July 31, 1975, gage height, 20.71 ft (6.312 m); minimum, 16 ft³/s (0.45 m³/s) July 22, 23, 1974, gage height, 4.28 ft (1.305 m).

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 1,300 ft³/s (37 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)	Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
Oct. 18	---	1,350 38.2	Unknown	Mar. 27	1230	*2,010 56.9	15.03 4.581
Nov. 12	2330	1,390 39.4	12.56 3.828	May 28	1415	1,570 44.5	13.27 4.045

Minimum discharge, 18 ft³/s (0.51 m³/s) Aug. 29, 30, gage height, 4.31 ft (1.314 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	464	46	150	294	152	62	261	62	157	200	23	47
2	430	44	100	160	272	54	157	57	331	133	23	55
3	350	43	64	120	129	52	116	49	374	185	40	51
4	250	43	54	104	93	54	98	46	239	184	60	48
5	130	41	50	91	79	52	86	43	420	109	45	71
6	110	72	64	83	139	50	78	43	285	136	33	74
7	94	129	110	87	242	54	72	76	150	108	28	63
8	115	112	90	96	207	80	65	85	102	75	30	91
9	350	619	70	89	100	100	58	74	78	60	25	117
10	150	990	60	75	70	109	52	62	64	82	22	98
11	110	425	50	69	58	76	50	60	55	109	21	65
12	92	697	45	71	52	71	48	55	49	65	20	55
13	84	559	42	72	50	75	50	60	44	64	20	45
14	78	164	40	69	47	62	47	188	41	118	20	40
15	70	107	50	64	45	76	44	405	39	146	19	34
16	100	80	70	60	43	100	42	182	37	70	19	27
17	250	72	69	55	41	106	40	91	42	51	20	22
18	1100	66	70	48	39	91	38	67	49	43	25	25
19	600	60	56	47	47	77	36	55	113	36	20	21
20	300	58	48	46	36	57	34	47	263	150	19	20
21	200	74	44	45	120	52	36	50	145	90	18	20
22	140	60	42	45	300	62	39	61	92	50	18	21
23	110	52	42	45	150	98	34	91	74	35	18	20
24	94	47	41	45	150	97	36	101	67	31	18	55
25	80	42	114	60	140	340	76	242	66	29	18	48
26	72	40	287	150	110	844	73	186	104	27	18	50
27	66	70	168	130	90	1470	77	374	78	26	18	45
28	58	90	94	90	74	934	68	1330	59	25	18	30
29	54	70	123	64	70	310	55	503	76	25	18	33
30	50	66	233	55	---	200	55	184	258	24	18	28
31	47	---	396	51	---	212	---	130	---	24	35	---
TOTAL	6198	5028	2935	2580	3145	6117	2021	5059	3951	2510	747	1419
MEAN	200	168	94.7	83.2	108	197	67.4	163	132	81.0	24.1	47.3
MAX	1100	980	396	294	300	1470	261	1330	420	200	60	117
MIN	47	40	40	45	36	50	34	43	37	24	18	20
CFSM	3.85	3.23	1.82	1.60	2.08	3.79	1.30	3.13	2.54	1.56	.46	.91
IN.	4.43	3.60	2.10	1.85	2.25	4.38	1.45	3.62	2.83	1.80	.53	1.02
CAL YR 1975	TOTAL	66096	MEAN	181	MAX	2950	MIN	38	CFSM	3.48	IN	47.28
WTR YR 1976	TOTAL	41710	MEAN	114	MAX	1470	MIN	18	CFSM	2.19	IN	29.84

02481000 BILOXI RIVER AT WORTHAM, MS

LOCATION.--Lat 30°33'30", long 89°07'20", in SE4SE4 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 21.18 ft (6.456 m) above mean sea level (levels by Mississippi State Highway Department).

REMARKS.--Records good except those for periods of no gage-height record, Oct. 1 to Nov. 12, Dec. 22 to Mar. 16, and Aug. 1 to Sept. 2, which are fair.

AVERAGE DISCHARGE.--24 years, 180 ft³/s (5.098 m³/s), 25.44 in/yr (646 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 8,420 ft³/s (238 m³/s) Apr. 27, 1964; maximum gage height, 21.08 ft (6.425 m) 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 23.3 ft (7.10 m), 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.--Maximum discharge, 3,390 ft³/s (96.0 m³/s) May 28, gage height, 12.44 ft (3.792 m), only peak above base of 2,000 ft³/s (57 m³/s); minimum, 2.3 ft³/s (0.065 m³/s) Sept. 23, gage height, 0.21 ft (0.064 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	86	71	195	500	300	70	245	21	212	58	20	60
2	80	70	161	350	600	62	156	55	590	76	30	45
3	450	66	88	200	300	60	108	36	534	97	80	32
4	400	64	63	250	100	70	88	16	332	124	70	117
5	250	62	53	300	66	56	77	8.2	262	77	50	115
6	160	59	109	250	100	54	68	7.0	161	146	40	96
7	110	70	89	200	300	60	61	11	95	151	30	73
8	100	81	54	220	150	80	51	21	62	62	15	62
9	400	90	45	200	100	100	43	20	41	42	12	33
10	350	250	40	170	80	130	35	23	29	155	10	36
11	250	460	38	120	60	90	29	18	20	138	9.0	21
12	130	400	36	100	50	70	26	18	15	61	7.6	12
13	100	271	35	90	45	64	23	144	11	296	6.6	7.4
14	90	153	34	80	40	60	20	818	8.2	472	6.0	4.7
15	84	108	120	74	37	70	18	911	6.2	127	5.4	3.2
16	80	92	108	70	35	126	16	277	5.8	105	5.0	3.2
17	150	81	75	66	32	160	15	100	11	75	25	3.2
18	1000	73	56	62	31	95	13	55	49	54	15	3.2
19	700	66	45	60	30	66	12	30	25	58	10	3.2
20	500	64	39	56	30	55	11	19	45	149	8.0	3.2
21	300	92	34	54	150	61	11	14	56	77	6.0	2.9
22	200	84	32	52	700	114	11	18	32	42	5.0	2.6
23	150	66	31	51	400	147	10	123	15	27	4.5	2.6
24	120	54	30	50	250	94	10	75	10	18	4.0	346
25	100	49	35	50	200	1190	93	76	13	16	3.7	144
26	90	49	150	150	130	818	84	83	20	19	3.5	73
27	80	130	140	300	100	943	34	552	15	14	3.3	52
28	76	116	100	200	90	544	17	2100	8.6	12	3.1	40
29	74	77	150	100	80	286	9.5	799	7.4	8.6	3.0	35
30	72	73	250	80	---	211	7.0	342	17	7.0	3.0	27
31	72	---	600	70	---	287	---	140	---	6.0	10	---
TOTAL	6804	3441	3036	4575	4586	6293	1401.5	6930.2	2708.2	2769.6	503.7	1458.4
MEAN	219	115	97.9	148	158	203	46.7	224	90.3	89.3	16.2	48.6
MAX	1000	460	600	500	700	1190	245	2100	590	472	80	346
MIN	72	49	30	50	30	54	7.0	7.0	5.8	6.0	3.0	2.6
CFSM	2.28	1.20	1.02	1.54	1.64	2.11	.49	2.33	.94	.93	.17	.51
IN.	2.63	1.33	1.18	1.77	1.78	2.44	.54	2.68	1.05	1.07	.19	.56
CAL YR 1975 TOTAL	91567.0			MEAN 251	MAX 2480	MIN 22	CFSM 2.61	IN 35.44				
WTR YR 1976 TOTAL	44506.6			MEAN 122	MAX 2100	MIN 2.6	CFSM 1.27	IN 17.23				

WOLF RIVER BASIN

02481510 WOLF RIVER NEAR LANDON, 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).

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) above mean sea level.

REMARKS.--Record good.

AVERAGE DISCHARGE.--5 years, 711 ft³/s (20.14 m³/s), 31.35 in/yr (796 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.--Maximum discharge, 5,100 ft³/s (144 m³/s) Feb. 22, gage height, 9.44 ft (2.877 m), only peak above base of 4,000 ft³/s (113 m³/s); minimum daily discharge, 56 ft³/s (1.59 m³/s) Sept. 23, 24.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	664	195	400	1310	777	195	777	88	276	134	107	180
2	2030	193	416	722	1480	185	471	162	335	202	117	182
3	1190	193	312	480	960	180	326	135	332	668	276	161
4	586	190	253	727	533	177	253	93	286	948	279	178
5	369	190	223	883	340	170	218	74	261	509	195	218
6	302	206	201	722	388	165	195	65	232	598	178	295
7	285	275	351	638	716	170	177	65	195	530	136	302
8	1040	302	528	696	432	175	162	82	159	311	105	472
9	912	685	333	597	285	256	146	106	132	235	92	276
10	490	1260	250	428	229	326	133	102	115	298	86	195
11	333	1120	212	347	198	250	120	102	103	240	78	155
12	272	571	177	308	180	201	112	95	96	270	74	128
13	238	388	158	295	165	165	104	118	93	311	70	94
14	215	285	146	275	153	153	101	754	89	504	66	80
15	201	241	144	247	141	201	95	449	87	270	64	74
16	432	215	188	218	135	253	92	244	87	339	90	70
17	2750	201	175	195	130	362	86	150	89	226	110	66
18	1980	190	165	180	128	247	83	102	89	153	100	63
19	1110	182	146	167	122	188	78	77	96	124	90	61
20	623	180	137	160	114	158	77	66	115	118	82	60
21	436	209	128	155	771	158	74	61	190	103	78	58
22	347	235	122	150	3550	275	74	66	187	94	74	57
23	305	209	118	148	1630	282	72	137	144	91	70	56
24	278	185	116	144	900	201	72	118	113	91	67	56
25	256	172	175	144	571	1650	99	102	105	89	64	96
26	244	172	458	392	388	1800	162	101	144	113	63	90
27	238	295	392	906	291	1480	165	428	140	100	62	74
28	232	424	244	480	247	1210	104	2480	105	90	61	66
29	220	322	518	288	215	978	80	1040	96	86	60	62
30	209	272	966	220	---	685	72	572	111	82	60	60
31	201	---	1770	193	---	633	---	346	---	80	170	---
TOTAL	18988	9757	9912	12815	16169	13529	4780	8580	4602	8007	3224	3985
MEAN	613	325	320	413	558	436	159	277	153	258	104	133
MAX	2750	1260	1770	1310	3550	1800	777	2480	335	948	279	472
MIN	201	172	116	144	114	153	72	61	87	80	60	56
CFSM	1.99	1.06	1.04	1.34	1.81	1.42	.52	.90	.50	.84	.34	.43
IN.	2.29	1.18	1.20	1.55	1.95	1.63	.58	1.04	.56	.97	.39	.48
CAL YR 1975	TOTAL	329697	MEAN	903	MAX	8250	MIN	116	CFSM	2.93	IN	39.82
WTR YR 1976	TOTAL	114348	MEAN	312	MAX	3550	MIN	56	CFSM	1.01	IN	13.81

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) above mean sea level. 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.--48 years, 1,105 ft³/s (31.29 m³/s), 16.71 in/yr (424 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 31,400 ft³/s (889 m³/s) Mar. 8, 1935; maximum gage height, 26.72 ft (8.144 m) Apr. 15, 1974; 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, 21,000 ft³/s (595 m³/s) Mar. 18, gage height, 25.84 ft (7.876 m); minimum, 14 ft³/s (0.40 m³/s) Aug. 26, gage height, 2.11 ft (0.643 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	416	284	712	3340	2880	1050	14600	428	248	169	61	51
2	294	250	712	3200	2480	820	15300	407	343	133	73	194
3	182	231	652	2950	1970	638	13700	337	495	176	70	197
4	124	214	618	2700	1550	531	10600	277	413	282	70	372
5	103	211	574	2570	1260	454	7990	234	319	473	80	446
6	106	226	554	2330	1130	1070	6110	206	288	419	71	513
7	109	710	620	2120	984	1560	4970	274	253	395	61	527
8	131	409	690	2110	868	2380	4040	563	224	379	50	431
9	129	349	723	2060	769	3890	3140	694	194	344	42	321
10	116	372	756	1990	719	3980	2210	688	167	269	37	264
11	102	365	723	1890	736	4910	1630	699	144	187	33	251
12	91	378	690	1860	754	6010	1280	727	126	134	29	243
13	85	370	690	1900	754	8110	994	802	110	103	26	221
14	78	315	650	2060	712	8680	760	1370	98	85	24	187
15	71	301	600	2030	658	10700	620	1990	92	72	23	152
16	1190	288	554	1960	630	13300	531	2040	141	62	26	122
17	5010	265	630	1760	549	17800	463	1900	410	54	27	89
18	5560	250	1030	1540	936	19300	398	1660	692	48	44	66
19	9510	245	900	1350	1160	13900	353	1770	774	45	28	52
20	13300	234	829	1220	1160	9920	318	1960	800	44	22	42
21	11400	268	807	1130	1230	7760	289	1890	697	43	20	36
22	8110	319	798	1010	1520	6510	263	1610	543	41	18	31
23	6060	350	798	866	1940	6000	237	1300	403	49	17	29
24	4680	364	778	741	2380	5490	220	970	298	53	16	26
25	3550	395	1310	809	2380	5180	382	628	233	41	15	27
26	2410	444	2130	2000	2090	4920	351	406	205	34	14	25
27	1550	500	2300	1950	1760	6040	282	298	178	32	20	23
28	1030	268	2500	2060	1480	8530	332	323	169	85	89	22
29	642	620	2310	1920	1260	13000	357	358	170	79	72	23
30	433	674	2480	2250	---	15100	385	294	195	54	52	27
31	337	---	3180	2820	---	15300	---	257	---	79	40	---
TOTAL	76909	10469	33298	60576	38699	222833	93105	27360	9422	4463	1270	5010
MEAN	2481	349	1074	1954	1334	7188	3104	883	314	144	41.0	167
MAX	13300	710	3180	3340	2880	19300	15300	2040	800	473	89	527
MIN	71	211	554	741	549	454	220	206	92	32	14	22
CFSM	2.76	.39	1.20	2.18	1.49	8.00	3.46	.98	.35	.16	.05	.19
IN.	3.19	.43	1.38	2.51	1.60	9.23	3.86	1.13	.39	.18	.05	.21
CAL YR 1975	TOTAL	683818	MEAN	1873	MAX	13300	MIN	71	CFSM	2.09	IN	28.33
WTR YR 1976	TOTAL	583414	MEAN	1594	MAX	19300	MIN	14	CFSM	1.78	IN	24.17

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.40	5.52	8.10	16.61	15.44	9.58	25.03	6.55	5.21	4.46	3.26	3.06
2	5.59	5.23	8.10	16.26	14.45	8.59	25.15	6.41	5.92	4.06	3.45	4.80
3	4.58	5.05	7.82	15.72	13.04	7.74	24.83	5.91	6.96	4.52	3.42	4.83
4	3.95	4.90	7.64	15.00	11.60	7.17	23.90	5.45	6.45	5.28	3.41	6.16
5	3.69	4.87	7.41	14.68	10.45	6.71	22.54	5.08	5.78	6.82	3.47	6.65
6	3.73	4.99	7.30	14.07	9.90	9.48	21.00	4.83	5.55	6.49	3.44	7.07
7	3.76	8.09	7.65	13.53	9.31	11.63	19.59	5.39	5.25	6.32	3.27	7.15
8	4.04	6.41	9.00	13.51	8.81	14.16	18.02	7.34	4.99	6.21	3.06	6.56
9	4.01	5.99	8.15	13.36	8.36	17.78	16.08	8.02	4.71	5.96	2.90	5.81
10	3.85	6.16	8.30	13.12	8.13	17.93	13.72	7.99	4.44	5.43	2.81	5.41
11	3.67	6.11	8.15	12.81	8.21	19.49	11.87	8.04	4.19	4.76	2.71	5.30
12	3.52	6.20	8.00	12.71	8.29	20.86	10.53	8.17	3.97	4.25	2.61	5.23
13	3.41	6.11	9.00	12.84	8.29	22.66	9.35	8.51	3.77	3.89	2.53	5.05
14	3.30	5.65	7.80	13.38	8.10	23.01	8.32	10.85	3.62	3.63	2.46	4.76
15	3.19	5.50	7.55	13.27	7.84	23.90	7.65	13.14	3.53	3.45	2.41	4.43
16	9.54	5.35	7.30	13.03	7.70	24.77	7.17	13.31	4.00	3.28	2.52	4.09
17	19.60	5.14	7.70	12.37	7.27	25.52	6.77	12.83	6.42	3.14	2.56	3.70
18	20.39	5.00	9.50	11.54	9.03	25.71	6.34	12.00	8.01	3.03	2.95	3.35
19	23.16	4.95	8.95	10.83	10.03	24.39	6.02	12.37	8.38	2.97	2.57	3.10
20	24.78	4.85	8.63	10.31	10.03	23.60	5.77	13.04	8.50	2.95	2.39	2.90
21	24.17	5.15	8.53	9.90	10.35	22.42	5.56	12.79	8.03	2.93	2.31	2.78
22	22.65	5.55	8.49	9.40	11.46	21.40	5.34	11.81	7.24	2.89	2.25	2.65
23	20.88	5.80	8.49	8.80	12.96	20.90	5.11	10.61	6.38	3.03	2.22	2.59
24	19.12	5.90	8.40	8.23	14.21	20.32	4.95	9.25	5.62	3.11	2.18	2.53
25	17.06	6.12	10.50	8.49	14.21	19.93	6.21	7.69	5.07	2.88	2.14	2.55
26	14.26	6.50	13.56	13.15	13.42	19.54	6.01	6.40	4.81	2.72	2.13	2.48
27	11.54	6.90	13.99	13.12	12.35	20.84	5.70	5.63	4.55	2.67	2.33	2.41
28	9.52	7.30	14.50	13.35	11.34	22.90	5.87	5.81	4.46	3.58	3.69	2.38
29	7.76	7.60	14.03	12.51	10.47	24.64	6.05	6.06	4.47	3.53	3.44	2.43
30	6.57	7.92	14.46	13.84	--	25.12	6.25	5.60	4.72	3.15	3.10	2.54
31	5.90	--	16.20	15.31	--	25.15	--	5.29	--	3.54	2.86	--
MEAN	10.24	5.89	9.39	12.76	10.52	18.46	11.56	8.46	5.50	4.03	2.80	4.16
MAX	24.78	8.09	16.20	16.61	15.44	25.71	25.15	13.31	8.50	6.82	3.69	7.15

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, and 10.8 mi (17.4 km) upstream from Tuscolameta Creek.

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) above mean sea level.

REMARKS.--Records good.

AVERAGE DISCHARGE.--14 years, 1,796 ft³/s (50.86 m³/s), 18.11 in/yr (460 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 29,400 ft³/s (833 m³/s) Apr. 16, 1974, gage height, 24.54 ft (7.480 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, 26,300 ft³/s (745 m³/s) Mar. 31, gage height, 24.02 ft (7.321 m); minimum daily, 80 ft³/s (2.27 m³/s) Aug. 27.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	369	674	1120	4020	3980	1680	23100	735	544	373	307	103
2	566	596	1230	4240	3880	1410	21300	755	555	340	272	421
3	469	543	1180	4250	3310	1170	19600	710	660	307	185	527
4	370	512	1100	4160	2680	988	16100	630	702	405	154	927
5	311	490	982	3800	2140	852	12200	556	615	690	124	722
6	282	553	860	3540	1840	1570	9330	503	548	795	126	664
7	279	2240	988	3390	1680	2500	7430	519	507	778	119	662
8	297	2120	1400	3470	1550	2940	6020	771	466	696	109	653
9	305	1570	1490	3600	1480	5480	4780	1210	429	587	105	692
10	303	1360	1460	3590	1400	5870	3620	1290	394	509	103	674
11	281	1260	1430	3400	1290	6120	2690	1280	362	426	96	455
12	263	1200	1330	3280	1200	6720	2060	1240	335	348	94	394
13	245	1020	1110	3230	1160	9920	1610	1160	312	289	90	365
14	228	778	1000	3430	1120	10900	1320	1780	290	249	88	321
15	217	678	908	3290	1060	13400	1140	3130	275	222	88	275
16	1500	620	1000	3060	1000	18000	1010	3740	354	205	88	236
17	6030	580	1450	2790	946	19900	885	4040	510	181	88	211
18	8050	549	1570	2410	1250	22400	820	3880	654	163	88	184
19	9190	522	1540	2060	2090	22500	757	3560	881	153	94	164
20	10500	505	1390	1800	2260	18200	706	3330	949	146	100	158
21	13700	532	1220	1610	2450	14500	670	3180	949	143	94	154
22	14100	555	1130	1460	2840	11400	632	2670	824	142	92	150
23	11500	539	1090	1310	3160	9380	594	2100	688	144	90	145
24	8550	517	1060	1160	3530	8080	565	1630	580	167	88	140
25	6470	505	1470	1260	3650	7410	710	1230	487	149	86	135
26	4980	502	3070	3230	3520	7460	1030	862	427	142	83	130
27	3620	748	3360	3800	3110	11300	997	696	393	141	80	125
28	2410	923	3510	4150	2470	12400	934	666	388	146	90	122
29	1570	919	3550	3930	2000	15000	866	668	375	368	100	128
30	1080	866	3500	3680	---	20900	746	658	365	471	117	141
31	807	---	3640	3700	---	25500	---	594	---	439	103	---
TOTAL	108842	24976	51138	96100	64046	315850	144222	49773	15818	10314	3541	10178
MEAN	3511	833	1650	3100	2208	10190	4807	1606	527	333	114	339
MAX	14100	2240	3640	4250	3980	25500	23100	4040	949	795	307	927
MIN	217	490	860	1160	946	852	565	503	275	141	80	103
CFSM	2.61	.62	1.22	2.30	1.64	7.56	3.57	1.19	.39	.25	.08	.25
IN.	3.01	.69	1.41	2.65	1.77	8.72	3.98	1.37	.44	.28	.10	.28
CAL YR 1975 TOTAL	984147		MEAN	2696	MAX	17200	MIN	217	CFSM	2.00	IN	27.18
WTR YR 1976 TOTAL	894798		MEAN	2445	MAX	25500	MIN	80	CFSM	1.82	IN	24.71

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) above mean sea level (levels by Corps of Engineers).

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

AVERAGE DISCHARGE.--38 years, 509 ft³/s (14.41 m³/s), 16.82 in/yr (427 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 34,600 ft³/s (980 m³/s) Jan. 7, 1950, gage height, 23.00 ft (7.010 m) north canal, site and datum then in use; maximum gage height, south canal, 21.53 ft (6.562 m) Jan. 7, 1950, site and datum then in use; 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 24.5 ft (7.47 m), site and datum then in use, from floodmark, sometime between 1920 and 1925.

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)
Oct. 18	0500	17,300 490	28.93 8.818	Apr. 1	0645	13,800 391	28.19 8.592
Mar. 17	1145	9,510 269	27.11 8.263				

Minimum daily discharge, 25 ft³/s (0.71 m³/s) Aug. 24-26.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	346	172	660	1080	291	152	12700	133	172	112	186	67
2	569	179	749	742	271	138	7970	156	1050	88	231	86
3	340	178	525	1050	237	134	4180	123	836	93	261	84
4	180	188	378	1470	217	140	1040	101	568	505	124	290
5	129	196	310	1080	202	134	506	89	370	1050	78	333
6	113	237	294	670	363	1980	395	86	372	782	64	125
7	114	356	415	635	426	3440	359	92	314	434	50	68
8	162	295	511	971	345	3420	293	367	208	195	44	64
9	180	256	391	748	289	4500	256	604	133	124	38	152
10	139	362	326	481	247	4540	228	386	98	95	32	105
11	114	339	285	416	220	4010	209	223	81	77	29	72
12	103	311	244	554	207	1550	196	157	72	69	29	53
13	94	270	250	577	200	1820	185	169	65	65	28	44
14	86	220	244	759	187	2140	187	965	60	61	30	38
15	85	196	243	991	179	3770	186	1780	57	57	31	35
16	1200	189	593	649	179	5640	167	1660	291	54	40	32
17	8180	184	1140	433	171	9030	157	853	1070	69	34	31
18	15000	179	1070	330	201	8080	147	338	1280	59	47	30
19	8630	176	661	279	210	4980	136	167	839	54	35	29
20	4990	183	455	251	183	1360	129	115	619	51	29	28
21	1260	225	374	240	272	3920	125	93	377	50	26	29
22	408	236	329	234	828	5200	115	86	195	49	27	27
23	300	205	291	222	644	5460	107	80	135	47	26	30
24	249	195	269	232	364	2510	101	75	132	46	25	29
25	224	192	997	258	255	892	114	68	459	45	25	28
26	218	230	2590	1180	209	1540	138	61	352	44	25	28
27	230	709	2270	1300	182	7490	121	62	339	43	30	27
28	217	757	1400	775	162	10000	110	468	475	143	44	27
29	206	477	681	445	153	6410	101	518	225	395	41	30
30	191	372	720	347	---	6050	99	302	136	233	41	41
31	177	---	1090	305	---	8030	---	190	---	225	65	---
TOTAL	44434	8264	20805	19824	7893	118500	30757	10567	11380	5414	1815	2062
MFAN	1433	275	671	639	272	3823	1025	341	379	175	58.5	68.7
MAX	15000	757	2590	1470	828	10000	12700	1780	1280	1050	261	333
MIN	85	172	243	222	153	134	99	61	57	43	25	27
CFSM	3.49	.67	1.63	1.55	.66	9.30	2.49	.83	.92	.43	.14	.17
IN.	4.02	.75	1.88	1.79	.71	10.73	2.78	.96	1.03	.49	.16	.19

CAL YR	TOTAL	MFAN	MAX	MIN	CFSM	IN
YR 1975	337796	925	15000	48	2.25	30.57
YR 1976	281715	770	15000	25	1.87	25.50

PEARL RIVER BASIN

02483000 TUSCOLAMETA CREEK AT WALNUT GROVE, MS--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12.55	11.56	14.84	16.65	12.84	11.60	27.95	11.31	11.81	11.32	12.16	10.45
2	14.02	11.61	15.41	15.34	12.67	11.43	26.65	11.66	17.04	10.97	12.00	10.69
3	12.51	11.59	13.96	17.22	12.40	11.37	24.45	11.25	16.03	10.94	12.56	10.86
4	11.39	11.60	13.06	14.29	12.25	11.49	17.57	11.01	15.01	13.80	11.26	13.34
5	11.01	11.71	12.59	16.90	12.15	11.40	14.62	10.89	13.37	17.38	10.74	13.92
6	10.88	12.03	12.43	15.07	13.01	18.80	13.80	10.84	13.45	16.39	---	11.52
7	10.94	12.81	13.13	14.99	13.51	23.22	13.58	10.90	13.44	14.08	---	10.63
8	11.40	12.44	13.43	16.33	13.20	23.11	13.01	13.34	12.51	12.16	---	10.48
9	11.55	12.24	12.99	15.28	12.84	25.02	12.68	15.23	11.60	11.38	10.04	11.62
10	11.18	12.97	12.66	14.06	12.52	24.99	12.42	13.84	11.08	11.03	9.97	11.09
11	10.96	12.87	12.41	13.70	12.29	24.42	12.23	12.47	10.82	10.76	9.93	10.65
12	10.87	12.67	12.26	14.58	12.17	19.19	12.13	11.77	10.67	10.61	9.89	10.32
13	10.78	12.38	12.20	14.58	12.12	19.93	12.01	11.82	10.55	---	9.87	10.16
14	10.70	12.01	12.17	15.61	11.99	20.48	11.95	17.04	10.44	---	9.91	10.03
15	10.68	11.81	12.17	16.08	11.91	23.63	11.98	19.88	10.38	---	9.94	9.95
16	16.77	11.75	14.30	14.76	11.94	25.72	11.81	19.36	12.67	---	9.93	9.91
17	26.54	11.70	16.67	13.73	11.83	26.96	11.70	16.17	17.70	---	10.00	9.88
18	29.46	11.64	16.40	13.07	12.15	26.68	11.60	13.25	19.16	---	10.32	9.86
19	26.83	11.61	14.69	12.72	12.22	25.25	11.47	11.93	17.35	---	10.08	9.85
20	25.48	11.66	13.55	12.55	11.97	18.66	11.35	11.44	15.93	---	9.94	9.84
21	18.36	12.02	13.03	12.50	12.57	24.09	11.29	11.17	14.13	---	9.88	9.85
22	13.31	12.12	12.73	12.44	15.56	25.41	11.20	11.12	12.40	---	9.88	9.82
23	12.50	11.88	12.46	12.32	14.81	25.73	11.08	11.01	11.66	---	9.83	9.86
24	12.14	11.80	12.31	12.33	13.32	21.64	11.01	10.93	11.63	---	9.82	9.83
25	11.96	11.78	15.94	12.89	12.53	16.63	11.16	10.85	14.98	---	9.83	9.83
26	11.91	12.01	21.61	17.54	12.14	18.34	11.49	10.75	14.09	---	9.84	9.84
27	11.95	14.68	20.52	17.55	11.90	26.45	11.25	10.73	13.86	---	9.87	9.81
28	11.88	14.97	18.30	15.72	11.71	27.27	11.10	13.64	14.57	10.91	10.05	9.81
29	11.77	13.65	15.25	13.93	11.61	26.13	11.00	14.30	12.52	13.65	10.07	9.87
30	11.69	13.01	15.24	13.24	---	26.01	10.97	13.05	11.60	12.66	10.09	10.07
31	11.58	---	16.79	12.53	---	26.62	---	12.15	---	12.37	10.57	---
MEAN	14.02	12.29	14.37	14.67	12.56	21.54	13.55	12.75	13.42	---	---	10.45
MAX	28.46	14.97	21.61	18.29	15.56	27.27	27.95	19.88	19.16	---	---	13.92
MTN	10.68	11.56	12.17	12.32	11.61	11.37	10.97	10.73	10.38	---	---	9.81

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.

PERIOD OF RECORD.--August 1938 to current year. Prior to October 1947, published as Yokahockany River near Kosciusko.

GAGE.--Water-stage recorder. Datum of gage is 374.34 ft (114.099 m) above mean sea level (levels by Corps of Engineers). Prior to Mar. 28, 1939, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--38 years, 418 ft³/s (11.84 m³/s), 18.08 in/yr (459 mm/yr).

EXTREMES FOR PERIOD OF RECORD:--Maximum discharge, 19,300 ft³/s (547 m³/s) Mar. 29, 1951, gage height, 18.72 ft (5.706 m); minimum, 2.3 ft³/s (0.07 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) (m ³ /s)	Gage height (ft) (m)	Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
Oct. 17	1700	*6,110 173	15.13 4.612	Mar. 16	1100	3,700 105	13.90 4.237
Feb. 19	0600	3,380 96	13.70 4.176	Mar. 31	2200	4,600 130	14.41 4.392

Minimum discharge, 21 ft³/s (0.59 m³/s) Aug. 26, gage height, 4.55 ft (1.387 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	61	90	268	609	259	162	4560	78	173	75	56	93
2	107	83	271	506	227	150	4270	79	434	51	64	169
3	60	78	218	2000	194	142	2760	70	390	43	52	160
4	45	97	176	2470	174	140	890	61	147	323	47	87
5	38	133	150	1940	165	176	384	59	76	594	46	72
6	37	258	347	924	432	715	277	59	58	290	44	53
7	39	1000	1240	683	1000	1680	229	139	45	106	42	41
8	41	1570	1080	1590	1090	1590	198	280	37	63	40	84
9	41	844	567	1350	515	2490	172	318	34	45	38	73
10	39	510	316	729	278	2480	153	164	33	36	36	81
11	36	359	224	463	228	2420	145	207	32	34	34	62
12	34	256	186	563	205	1560	137	147	31	33	32	42
13	33	197	163	576	192	569	129	131	30	33	30	39
14	33	156	151	653	183	344	130	505	29	32	29	38
15	32	132	152	691	166	940	126	1170	28	31	28	37
16	695	120	297	498	162	3440	116	1070	124	33	26	35
17	5090	114	368	342	154	3160	108	683	363	33	26	34
18	5240	104	276	257	1220	2920	102	280	176	33	25	33
19	5160	99	195	216	3170	1510	92	160	147	32	24	32
20	3570	108	166	198	2690	527	84	119	130	32	24	31
21	1130	165	154	189	2690	838	81	99	77	31	23	29
22	282	150	141	180	2040	1270	76	85	51	31	23	28
23	168	125	133	169	1340	771	69	76	39	54	22	26
24	135	119	127	165	665	357	84	70	35	34	22	25
25	119	114	383	404	354	294	254	77	33	33	21	24
26	150	143	1610	2250	269	786	189	78	164	56	21	23
27	226	389	1870	2390	236	4110	124	76	258	94	81	22
28	190	421	1270	1960	202	3730	96	126	393	73	81	22
29	146	274	576	900	179	3520	80	134	500	56	94	25
30	117	212	543	395	---	3700	73	113	137	60	80	44
31	100	---	679	280	---	4310	---	88	---	51	71	---
TOTAL	23194	8420	14297	26540	20679	50801	16188	6801	4204	2525	1282	1564
MEAN	748	281	461	856	713	1639	540	219	140	81.5	41.4	52.1
MAX	5240	1570	1870	2470	3170	4310	4560	1170	500	594	94	169
MIN	32	78	127	165	154	140	69	59	28	31	21	22
CFSM	2.38	.89	1.47	2.73	2.27	5.22	1.72	.70	.45	.26	.13	.17
IN.	2.75	1.00	1.69	3.14	2.45	6.02	1.92	.81	.50	.30	.15	.19
CAL YR 1975	TOTAL	247820	MEAN	679	MAX	15900	MIN	21	CFSM	2.16	IN	29.36
WTR YR 1976	TOTAL	176495	MEAN	482	MAX	5240	MIN	32	CFSM	1.54	IN	20.91

PEARL RIVER BASIN

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 tober 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) above mean sea level (levels by Corps of Engineers). Prior to Sept. 5, 1962, nonrecording gage at same site and datum.

REMARKS.--Records good except those for period of doubtful gage-height record, July 13 to Aug. 29, which are poor.

AVERAGE DISCHARGE.--33 years, 667 ft³/s (18.80 m³/s), 18.71 in/yr (473 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 20,700 ft³/s (586 m³/s) Mar. 31, 1951, gage height, 20.28 ft (6.181 m); minimum, 4.9 ft³/s (0.14 m³/s) Aug. 20, Sept. 11, 1954; minimum gage height, 1.86 ft (0.567 m) Sept. 26, 27, 1973.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 8,960 ft³/s (254 m³/s) Mar. 31, gage height, 17.56 ft (5.352 m); minimum daily, 29 ft³/s (0.82 m³/s) Aug. 28.

DISCHARGE, IN CUHIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	42	170	533	1130	1200	359	7390	128	161	411	82	69
2	43	146	431	879	749	311	5600	115	235	318	70	75
3	50	130	386	1080	514	241	5000	108	292	156	62	92
4	83	123	372	1210	419	258	4480	101	405	174	71	172
5	64	133	330	1280	354	248	3620	92	453	372	58	181
6	50	258	284	1690	332	528	2110	83	327	453	55	108
7	44	1140	619	2100	323	942	1310	126	181	577	52	76
8	44	1040	739	2560	408	1040	783	215	125	552	50	106
9	42	845	803	1900	569	2260	499	337	99	297	48	114
10	42	963	980	1450	797	2930	366	393	84	146	46	119
11	42	1140	1040	1410	908	2670	291	443	74	97	44	119
12	42	1040	805	1350	692	2580	249	365	65	77	42	87
13	42	758	506	1100	455	3260	226	308	62	56	40	67
14	41	516	351	955	359	2670	210	565	60	64	39	58
15	41	356	287	857	318	2840	196	1010	58	61	38	54
16	494	268	381	825	292	4620	189	1120	58	59	37	51
17	3610	221	491	817	271	3610	180	1130	58	55	36	49
18	3830	196	472	779	420	3570	163	1180	136	52	35	47
19	4450	181	474	653	709	3600	148	1100	290	49	34	45
20	5060	173	442	459	1050	3330	134	811	276	47	33	43
21	4770	184	357	399	1860	3260	121	425	212	45	33	41
22	3880	189	288	343	2750	2440	112	236	180	43	32	40
23	2580	218	254	313	2760	1730	105	173	124	42	32	38
24	1550	212	230	294	2410	1500	105	141	96	50	31	37
25	781	189	377	471	1800	1450	283	121	79	60	31	36
26	356	184	938	2020	1340	1350	287	107	65	50	30	35
27	246	336	917	2200	921	3530	327	110	113	47	30	34
28	240	363	974	1950	587	5440	281	131	276	60	29	34
29	271	419	1210	2040	432	5540	190	138	350	110	45	34
30	252	471	1500	1980	---	6370	139	175	368	158	58	35
31	207	---	1480	1660	---	8510	---	180	---	94	73	---
TOTAL	33289	12562	19251	38194	25999	83027	35094	11667	5362	4832	1396	2096
MEAN	1074	419	621	1232	897	2678	1170	376	179	156	45.0	69.9
MAX	5060	1140	1500	2560	2760	8510	7390	1180	453	577	82	181
MIN	41	123	230	294	271	248	105	83	58	42	29	34
CFSM	2.22	.87	1.28	2.55	1.85	5.53	2.42	.78	.37	.32	.09	.14
IN.	2.56	.97	1.48	2.94	2.00	6.38	2.70	.90	.41	.37	.11	.16

CAL YR 1975 TOTAL 360917 MEAN 989 MAX 17000 MIN 41 CFSM 2.04 IN 27.74
WTR YR 1976 TOTAL 272769 MEAN 745 MAX 8510 MIN 29 CFSM 1.54 IN 20.96

02484500 YOCCANOOKANY RIVER NEAR OFAHOMA, MS--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.17	3.57	6.13	9.13	9.48	5.02	17.10	3.18	3.49	5.38	2.67	2.51
2	2.20	3.35	5.51	8.00	7.33	4.69	16.50	3.05	4.12	4.70	2.51	2.59
3	2.34	3.20	5.21	8.91	6.03	4.47	16.20	2.98	4.54	3.44	2.42	2.79
4	2.82	3.13	5.12	9.51	5.43	4.30	15.84	2.90	5.34	3.56	2.54	3.59
5	2.56	3.23	4.83	9.82	5.00	4.22	14.58	2.80	5.65	5.12	2.38	3.67
6	2.34	4.08	4.50	11.36	4.84	5.96	12.52	2.69	4.79	5.65	---	2.97
7	2.22	9.19	6.60	12.51	4.78	8.30	9.94	3.13	3.66	6.40	---	2.60
8	2.22	8.73	7.29	13.46	5.35	8.75	7.50	3.96	3.15	6.24	---	2.93
9	2.18	7.83	7.61	11.99	6.34	12.76	5.93	4.87	2.88	4.53	---	3.03
10	2.18	8.40	8.48	10.50	7.59	14.13	5.07	5.26	2.70	3.34	---	3.07
11	2.18	9.19	8.75	10.35	8.14	13.68	4.55	5.59	2.57	2.86	---	3.09
12	2.17	8.75	7.62	10.12	7.03	13.52	4.23	5.06	2.46	2.61	---	2.73
13	2.17	7.38	5.96	9.00	5.65	14.62	4.05	4.67	2.41	---	---	2.48
14	2.16	6.03	4.97	8.36	5.03	13.68	3.92	6.27	2.38	---	---	---
15	2.16	5.00	4.52	7.89	4.74	13.79	3.80	8.63	2.36	---	---	---
16	5.22	4.37	5.17	7.73	4.56	15.95	3.74	9.10	2.36	---	---	---
17	14.37	4.01	5.89	7.69	4.40	15.03	3.66	9.17	2.36	---	---	---
18	15.13	3.80	5.77	7.50	5.38	15.00	3.51	9.40	3.18	---	---	---
19	15.71	3.67	5.78	6.82	7.13	15.03	3.37	8.99	4.53	---	---	---
20	16.23	3.60	5.58	5.93	8.77	14.71	3.24	7.65	4.43	---	---	---
21	16.05	3.70	5.02	5.30	11.81	14.60	3.11	5.46	3.93	---	---	---
22	15.28	3.74	4.52	4.92	13.83	13.19	3.02	4.12	3.65	---	---	---
23	13.46	3.98	4.26	4.71	13.84	11.51	2.94	3.60	3.13	---	---	---
24	10.84	3.93	4.08	4.57	13.16	10.72	2.94	3.31	2.84	---	---	---
25	7.47	3.74	5.04	5.53	11.72	10.52	4.42	3.11	2.64	2.38	---	---
26	5.00	3.69	8.28	12.18	10.09	10.11	4.52	2.97	2.45	---	---	---
27	4.21	4.85	8.18	12.72	8.18	14.60	4.81	3.00	3.01	---	---	---
28	4.16	5.06	8.45	12.14	6.44	16.42	4.47	3.21	4.41	---	---	---
29	4.40	5.43	9.54	12.37	5.52	16.47	3.75	3.28	4.97	2.99	---	1.56
30	4.25	5.76	10.70	12.20	---	16.79	3.29	3.62	5.09	3.45	2.36	---
31	3.89	---	10.65	11.27	---	17.43	---	3.66	---	2.81	2.56	---
MEAN	6.12	5.15	6.45	9.18	7.50	11.93	6.55	4.80	3.52	---	---	---
MAX	16.23	9.19	10.70	13.46	13.84	17.43	17.10	9.40	5.65	---	---	---
MTN	2.16	3.13	4.08	4.57	4.40	4.22	2.94	2.69	2.36	---	---	---

CAL YR 1975 MEAN 6.57 MAX 19.39 MIN 2.16

PEARL RIVER BASIN

02486000 PEARL RIVER AT JACKSON, MS

LOCATION.--(revised) Lat 32°16'54", long 90°10'43", in NE&NE¼ 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.

GAGE.--Water-stage recorder. Datum of gage is 233.70 ft (71.232 m) above mean sea level. 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) above mean sea level.

REMARKS.--Records good. About 35 ft³/s (0.99 m³/s) is diverted upstream from station for municipal water supply for city of Jackson, most of which is returned to river and is included in discharge records. Flow regulated since Sept. 27, 1961, by Ross R. Barnett Reservoir, 15 mi (24 km) upstream.

AVERAGE DISCHARGE.--59 years (1901-12, 1928-76), 3,926 ft³/s (111.2 m³/s), 17.20 in/yr (437 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 85,000 ft³/s (2,410 m³/s) Mar. 31, 1902, gage height, 37.5 ft (11.43 m), site and datum then in use, from rating curve extended above 57,000 ft³/s (1,610 m³/s); 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, 50,400 ft³/s (1,430 m³/s) Apr. 3, gage height, 35.74 ft (10.894 m); minimum daily, 180 ft³/s (5.10 m³/s) Aug. 26, 27; minimum gage height, 4.08 ft (1.244 m) Aug. 27.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	892	2050	2780	10200	8650	2600	41200	1670	2270	890	850	854
2	836	1780	2650	10300	8450	2610	47400	1100	2730	802	1350	728
3	720	1350	2560	10900	6900	2470	49400	910	2460	930	1730	606
4	799	2250	2500	10300	5890	1870	45500	854	2060	2480	1130	360
5	819	4350	2240	9340	5420	1330	39000	624	1990	4660	385	642
6	733	3780	2040	8530	5310	3050	30900	541	1850	5770	294	910
7	770	5340	2010	7840	4370	4230	26500	1970	1350	4780	282	966
8	608	4730	1970	8280	3410	7830	20700	2620	854	2620	273	1270
9	598	5120	1990	8600	2550	14300	15800	2320	616	2000	258	1150
10	592	5720	2250	8060	2390	16400	11500	1730	595	1580	241	966
11	592	5780	2470	7550	2430	16800	8460	2040	573	631	233	914
12	588	5340	2490	7400	2650	17600	6430	1970	334	347	225	874
13	588	4200	2490	6770	2820	21600	5320	1910	279	312	222	559
14	588	2790	2490	6360	2390	24000	3660	4030	250	640	538	324
15	621	1710	2190	5970	2300	28200	2210	6730	233	601	309	303
16	4540	1200	2530	6020	2220	32600	1440	7050	382	300	236	285
17	11300	1000	2710	5930	1930	32900	1340	8050	886	291	230	279
18	13000	954	3280	5760	1580	32100	1310	8040	942	279	209	276
19	16400	925	3430	5230	1540	31700	1260	6640	1670	264	204	267
20	19000	941	3380	4060	1700	34500	998	5850	1900	258	199	258
21	21400	849	3350	3370	3420	40000	759	4750	1890	244	197	261
22	23500	667	3190	2370	4860	38800	683	3760	1750	247	192	244
23	25100	648	2400	2450	5550	35300	671	3430	1310	241	187	230
24	25500	641	1640	2050	6950	30200	755	2270	1010	230	185	227
25	22900	832	2960	2670	7080	26000	1230	1520	1200	222	182	222
26	18200	1170	3440	4250	6460	21700	1090	1450	2080	209	180	209
27	14200	1780	3160	5140	5480	20900	1340	2050	1830	238	180	209
28	10700	1900	4670	6150	4890	21900	1510	4460	1360	220	347	238
29	8140	2320	6720	7050	4290	24400	1490	2950	938	212	252	261
30	5670	2610	8710	7880	---	29300	1640	2300	894	220	645	209
31	3310	---	9850	8160	---	37600	---	2030	---	521	382	---
TOTAL	253404	74727	100540	205060	123880	654790	371496	97619	38485	33239	12327	15101
MEAN	8174	2491	3243	6615	4272	21120	12380	3149	1283	1072	398	503
MAX	25500	5780	9850	10900	8650	40000	49400	8050	2730	5770	1730	1270
MIN	588	641	1640	2050	1540	1330	671	541	233	209	180	209
CFSM	2.64	.80	1.05	2.13	1.38	6.81	3.99	1.02	.41	.35	.13	.16
IN.	3.04	.90	1.21	2.46	1.49	7.96	4.46	1.17	.46	.40	.15	.18
CAL YR 1975	TOTAL	2603774	MEAN	7134	MAX	34000	MIN	350	CFSM	2.30	IN	31.25
WTR YR 1976	TOTAL	1980669	MEAN	5412	MAX	49400	MIN	180	CFSM	1.75	IN	23.77

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.95	9.27	11.12	22.83	21.21	10.75	34.57	4.33	9.84	6.40	6.30	6.09
2	5.79	2.52	10.79	22.56	20.99	10.71	35.35	6.42	11.01	6.17	---	5.63
3	5.43	7.29	10.57	23.46	18.89	10.36	35.60	6.45	10.32	6.38	---	5.42
4	5.67	9.74	10.43	22.97	17.35	4.75	35.11	6.31	9.33	10.20	---	4.76
5	5.74	14.64	4.77	21.84	15.77	7.25	34.25	5.71	9.15	15.24	4.81	5.59
6	5.47	13.44	4.24	21.02	16.38	11.74	32.77	5.44	8.74	17.15	4.53	6.29
7	5.59	16.43	4.15	20.22	14.59	14.34	31.49	4.85	7.53	---	4.49	6.23
8	5.10	15.41	4.05	20.77	12.70	20.00	29.58	10.72	6.31	---	4.46	7.29
9	5.07	16.05	4.11	21.16	10.54	26.24	27.25	9.89	5.69	---	4.42	6.95
10	5.05	17.06	4.74	20.50	10.16	27.70	24.04	8.50	5.63	---	4.36	6.43
11	5.05	17.16	10.75	17.50	10.25	28.01	21.00	9.27	5.57	5.67	4.33	6.30
12	5.04	16.43	10.79	17.67	10.74	28.33	18.22	9.10	4.85	4.89	4.30	6.20
13	5.04	14.35	10.34	17.73	11.22	29.37	16.40	3.45	4.67	4.78	4.29	5.36
14	5.04	11.15	10.39	17.14	10.14	30.65	13.26	13.95	4.56	---	5.09	4.66
15	5.13	4.32	3.64	17.44	4.91	31.49	9.70	13.46	4.51	---	4.58	4.59
16	13.99	6.47	10.51	17.56	4.71	33.23	7.77	19.13	4.95	---	4.34	4.53
17	23.74	6.31	10.96	17.41	4.95	33.29	7.52	20.49	6.34	4.71	4.32	4.51
18	16.94	6.15	12.37	17.13	7.45	33.11	7.44	20.48	6.52	4.67	4.24	4.50
19	27.71	6.05	12.74	16.24	7.58	32.49	7.32	14.52	8.34	4.62	4.22	4.47
20	28.97	6.11	12.63	14.05	8.27	33.59	6.67	17.27	8.92	4.60	4.20	4.44
21	29.86	5.82	12.56	12.55	12.72	34.42	6.07	15.42	8.89	4.55	4.19	4.45
22	30.50	5.24	12.15	10.10	15.02	34.25	5.87	13.45	8.55	4.56	4.18	4.39
23	31.02	5.22	10.17	10.31	16.77	33.73	5.84	12.76	7.45	4.54	4.16	4.34
24	31.16	5.14	4.14	4.37	18.47	32.54	6.06	9.35	6.64	4.50	4.15	4.33
25	30.26	5.77	11.57	10.85	14.17	31.32	7.22	7.97	7.17	4.47	4.14	4.31
26	28.60	6.71	12.77	14.45	18.28	29.40	6.90	7.79	9.36	4.42	4.13	4.26
27	26.16	9.53	12.08	15.04	16.65	29.72	7.52	4.25	8.76	4.52	4.13	4.26
28	23.34	9.44	15.24	17.74	15.09	29.46	7.95	14.45	7.57	4.46	4.65	4.37
29	20.59	9.37	14.61	14.17	14.53	30.40	7.89	11.54	6.52	4.43	4.41	4.45
30	16.91	10.59	21.24	20.27	---	32.32	8.26	3.43	6.40	4.45	5.29	4.26
31	12.44	---	22.49	20.62	---	34.08	---	9.25	---	5.42	4.80	---
MEAN	15.24	9.96	11.82	17.52	13.90	20.32	16.83	11.46	7.34	---	---	5.13
MAX	31.16	17.15	22.49	23.46	21.21	34.42	35.60	20.49	11.01	---	---	7.29
MIN	5.04	5.19	4.14	4.37	7.25	7.25	5.84	5.44	4.51	---	---	4.26
CAL Y2 1975	MEAN	14.51	MAX	32.34	MIN	4.00						

PEARL RIVER BASIN

02488500 PEARL RIVER NEAR MONTICELLO, MS

LOCATION.--Lat 31°33', long 90°05', 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) above mean sea level (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.--38 years, 6,398 ft³/s (181.2 m³/s), 17.24 in/yr (438 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 78,200 ft³/s (2,210 m³/s) Apr. 14, 1974, gage height, 32.28 ft (9.839 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). A discharge of 69,900 ft³/s (1,980 m³/s) was measured Apr. 8, 1938, by Corps of Engineers, gage height, 30.15 ft (9.190 m) from floodmark.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 49,900 ft³/s (1,410 m³/s) Apr. 5, gage height, 28.07 ft (8.556 m); minimum, 497 ft³/s (14.1 m³/s) Sept. 30, gage height, 5.16 ft (1.573 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1870	9910	5660	11200	10200	6080	44300	4070	5100	2310	961	1420
2	1450	5680	5820	11400	11500	5030	45600	4280	5280	2290	1150	1390
3	1510	4050	5320	12400	11000	4040	47000	4010	6350	2580	1890	1480
4	1440	3490	4750	13300	10100	3860	48100	3350	6130	2360	2460	1920
5	1310	5430	4340	13100	8850	3530	47200	2960	5140	2560	2660	1700
6	1280	9970	4150	12700	8180	2920	45900	2810	4370	5340	2070	1250
7	1310	10800	6500	11900	8180	4850	44200	2600	4040	7070	1440	1250
8	1300	12400	6190	11000	7740	7810	42100	7080	3650	7400	1080	1470
9	1280	10400	4590	10300	6600	12200	39500	12600	3040	6490	844	1650
10	1130	7980	3970	10000	5200	20000	36000	12500	2520	4740	760	1820
11	1040	7260	3760	9820	4310	21000	32200	8430	2210	3820	721	1700
12	1020	7290	3850	9540	4000	25000	28200	5930	2060	3090	701	1520
13	1010	7190	3910	9320	4010	30000	23400	5640	1980	2100	670	1400
14	1050	6740	3870	9850	4140	35000	16800	6830	1800	1640	675	1320
15	1040	5670	3840	10200	4050	36000	11100	12200	1620	2070	682	1100
16	1860	4310	3810	9590	3720	36000	8070	15800	1580	2420	786	792
17	12300	3200	4630	8760	3600	35000	6230	15400	1710	2150	994	648
18	16300	2550	6460	7980	3470	33000	5230	13700	1840	1610	760	615
19	17800	2250	6220	7510	3220	34700	4790	11800	2220	1370	648	587
20	18200	2140	5780	7120	2970	36400	4560	10800	2400	1230	598	576
21	18500	2070	5360	6460	3230	37800	4360	9840	3190	1130	576	571
22	18400	2070	5080	5540	6880	38400	3900	8810	3440	1090	593	555
23	17600	1910	4900	4560	8210	38800	3520	7650	3290	1090	576	540
24	17300	1710	4450	3940	7760	39400	3240	6640	3030	1070	540	540
25	17700	1640	4000	4010	7560	39700	3110	5870	2760	994	511	525
26	18400	1690	8350	8680	7860	40200	3190	4640	2550	948	506	515
27	19200	3380	10200	9860	7940	39200	3620	3970	2670	916	555	511
28	19600	4960	8330	9370	7460	37800	3510	4790	3350	877	721	515
29	19300	4570	7550	8800	6660	34400	3680	8160	3400	896	648	506
30	17800	4300	9300	8500	---	36600	3800	8110	2810	1100	838	502
31	14900	---	10500	8500	---	41300	---	6310	---	1050	1190	---
TOTAL	284200	157010	175530	285250	188600	816020	616410	237580	95530	75801	29804	30888
MEAN	9168	5234	5662	9202	6503	26320	20550	7664	3184	2445	961	1030
MAX	19600	12400	10600	13300	11500	41300	48100	15800	6350	7400	2660	1920
MTN	1010	1640	3760	3940	2970	2920	3110	2600	1580	877	506	502
CFSM	1.82	1.04	1.12	1.83	1.29	5.22	4.08	1.52	.63	.49	.19	.20
IN.	2.10	1.16	1.30	2.11	1.39	6.02	4.55	1.75	.71	.56	.22	.23

CAL YR 1975 TOTAL 3791170 MEAN 10390 MAX 44900 MIN 1010 CFSM 2.06 IN 27.98
WTR YR 1976 TOTAL 2992623 MEAN 8177 MAX 48100 MIN 502 CFSM 1.62 IN 22.09

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GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.91	13.95	10.53	14.94	14.18	10.48	27.13	9.39	10.25	7.72	5.94	6.60
2	6.37	10.60	10.75	15.09	15.15	10.02	27.35	9.57	10.40	7.70	6.21	6.56
3	6.46	9.05	10.28	15.81	14.18	9.04	27.58	9.34	11.27	8.03	7.21	6.67
4	6.37	8.49	9.74	16.43	14.14	8.86	27.70	8.77	11.10	7.78	7.90	7.23
5	6.17	10.23	9.34	16.32	13.19	8.53	27.62	8.41	10.28	7.99	8.11	6.97
6	6.12	14.04	9.14	15.95	12.68	7.71	27.40	8.26	9.64	10.44	7.44	6.35
7	6.18	14.65	11.30	15.35	12.68	9.00	27.12	8.05	9.37	11.82	6.62	6.35
9	6.15	15.80	11.05	14.75	12.34	12.37	26.77	11.70	9.04	12.08	6.11	6.66
9	6.12	14.32	9.69	14.28	11.42	15.42	26.29	15.41	8.49	11.37	5.76	6.91
10	5.90	12.51	8.97	14.08	10.17	---	25.59	15.85	7.96	9.94	5.63	7.12
11	5.75	11.97	8.76	13.94	9.31	---	24.78	12.87	7.60	9.18	5.57	6.97
12	5.71	11.99	8.85	13.72	9.00	---	23.68	10.93	7.42	8.54	5.54	6.73
13	5.70	11.91	8.71	13.55	9.01	---	21.95	10.70	7.32	7.48	5.49	6.57
14	5.76	11.53	8.47	13.59	9.14	---	18.74	11.54	7.10	6.89	5.50	6.45
15	5.75	10.60	8.84	14.19	9.05	---	14.83	15.66	6.87	7.43	5.51	6.13
16	6.77	9.31	8.21	13.76	8.72	---	12.59	18.19	6.81	7.85	5.66	5.68
17	15.61	2.20	9.62	13.12	8.60	---	11.17	17.96	6.99	7.54	5.98	5.45
18	14.54	7.51	11.30	12.52	8.47	25.00	10.36	16.68	7.15	6.85	5.63	5.39
19	19.47	7.15	11.10	12.16	8.22	25.14	9.99	15.34	7.62	6.52	5.45	5.34
20	19.71	7.01	10.71	11.85	7.97	25.68	9.80	14.66	7.82	6.33	5.36	5.32
21	19.86	6.92	10.33	11.30	8.23	25.35	9.63	13.95	8.63	6.19	5.32	5.31
22	19.83	6.92	10.67	10.44	11.61	26.08	9.25	13.16	8.85	6.13	5.35	5.28
23	19.38	6.73	9.90	9.56	12.70	26.15	8.93	12.27	8.72	6.13	5.32	5.25
24	19.21	6.67	9.45	9.54	12.35	26.27	8.67	11.49	8.47	6.10	5.25	5.25
25	19.43	6.38	9.00	9.01	12.20	26.33	8.55	10.49	8.21	5.98	5.19	5.22
26	19.80	6.44	12.74	13.04	12.43	26.43	8.63	9.86	8.00	5.92	5.18	5.20
27	20.17	8.39	14.21	13.57	12.49	26.23	9.02	9.31	8.12	5.87	5.28	5.19
28	20.39	9.96	12.77	13.55	12.12	25.65	8.92	9.97	8.77	5.81	5.57	5.20
29	20.25	9.57	12.19	13.15	11.47	25.27	9.06	12.65	8.82	5.84	5.45	5.18
30	19.48	9.29	13.54	12.52	---	25.71	9.17	12.62	8.26	6.14	5.75	5.17
31	17.53	---	14.52	12.52	---	26.52	---	11.23	---	6.07	6.26	---
MEAN	12.48	9.93	10.44	13.34	11.17	---	17.28	12.17	8.51	7.60	5.89	5.99
MAX	20.39	15.80	14.52	15.43	15.15	---	27.76	14.19	11.27	12.08	8.11	7.23
MIN	5.70	6.38	8.76	9.54	7.97	---	8.55	8.05	6.81	5.81	5.18	5.17
CAL YR 1975 MEAN 13.62 MAX 27.24 MIN 5.70												

PEARL RIVER BASIN

02488700 WHITESAND CREEK NEAR OAK VALE, MS

LOCATION.--Lat 31°28', long 89°58', in SW¼ 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) above mean sea level (from information by Mississippi State Highway Department).

REMARKS.--Records good.

AVERAGE DISCHARGE.--11 years, 188 ft³/s (5.324 m³/s), 19.49 in/yr (495 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.--Maximum discharge, 9,880 ft³/s (280 m³/s) Mar. 30, only peak above base of 2,500 ft³/s (71 m³/s), gage height, 14.71 ft (4.484 m); minimum, 98 ft³/s (2.78 m³/s) Aug. 25, gage height, 3.91 ft (1.192 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	186	128	206	164	319	142	1800	114	159	130	114	133
2	164	125	176	154	277	142	592	109	191	125	121	133
3	142	125	147	274	214	140	302	107	157	128	116	133
4	130	128	137	280	191	140	250	105	145	125	107	135
5	128	128	133	191	183	137	240	102	137	125	105	140
6	130	128	137	166	350	149	200	105	137	133	105	135
7	130	125	209	171	329	176	190	109	133	128	107	128
8	133	125	193	183	239	283	171	137	130	121	107	128
9	135	125	154	159	204	801	159	157	125	140	105	123
10	137	125	142	149	191	569	152	140	123	135	105	118
11	135	123	135	149	186	253	147	147	123	123	102	114
12	135	121	133	164	178	222	145	142	121	130	102	109
13	135	116	130	161	173	214	145	137	121	128	102	109
14	135	111	130	171	171	393	149	157	125	121	102	107
15	135	111	130	169	166	813	142	250	123	135	100	107
16	171	114	133	152	164	1280	137	293	128	166	102	105
17	680	114	169	142	161	867	128	176	171	130	102	105
18	485	114	186	135	161	405	125	152	161	121	102	102
19	222	114	154	133	161	336	121	142	149	118	100	102
20	191	118	140	130	157	306	121	140	142	116	100	102
21	178	125	135	130	159	412	121	135	135	111	100	98
22	161	123	133	130	204	444	116	133	130	111	100	105
23	142	118	130	128	183	315	114	130	128	109	100	102
24	140	116	128	130	159	271	111	130	125	109	100	102
25	137	116	152	217	154	268	123	183	123	111	98	102
26	135	130	233	735	149	265	121	149	118	114	100	102
27	137	199	181	524	147	336	109	176	116	109	100	100
28	137	169	154	242	145	382	105	250	123	107	133	100
29	133	140	188	206	145	271	105	181	166	105	142	102
30	130	145	206	186	---	4410	105	154	135	105	236	102
31	128	---	178	186	---	6030	---	145	---	107	149	---
TOTAL	5397	3799	4892	6211	5620	21172	6546	4687	4100	3776	3464	3383
MEAN	174	127	158	200	194	683	218	151	137	122	112	113
MAX	680	199	233	735	350	6030	1800	293	191	166	236	140
MIN	128	111	128	128	145	137	105	102	116	105	98	98
CFSM	1.33	.97	1.21	1.53	1.48	5.21	1.66	1.15	1.05	.93	.85	.86
IN.	1.53	1.08	1.39	1.76	1.60	6.01	1.86	1.33	1.16	1.07	.98	.96

CAL YR 1975 TOTAL 100317 MEAN 275 MAX 7300 MIN 111 CFSM 2.10 IN 28.49
WTR YR 1976 TOTAL 73047 MEAN 200 MAX 6030 MIN 98 CFSM 1.53 IN 20.74

02489000 PEARL RIVER NEAR COLUMBIA, MS

LOCATION.--Lat 31°14'14", long 89°50'54", in E½ sec.7, T.3 N., R.18 W., St. Stephens Meridian, Marion County, Hydrologic Unit 03180004, on downstream side of bridge on U.S. Highway 98, 1.5 mi (2.4 km) southwest of Columbia, 2.0 mi (3.2 km) downstream from Fernwood, Columbia and Gulf Railroad bridge, 2.2 mi (3.5 km) upstream from Silver Creek and at mile 137.8 (221.7 km).

DRAINAGE AREA.--5,690 mi² (14,700 km²), approximately.

PERIOD OF RECORD.--August 1928 to September 1954 (monthly discharge only for January to July 1930, published in WSP 1304). January 1972 to current year (gage heights only). Gage height records collected at same site November 1904 to December 1971 are contained in reports of National Weather Service.

GAGE.--Nonrecording gage. Datum of gage is 115.81 ft (35.299 m) above mean sea level (levels by Corps of Engineers). Prior to August 1928, nonrecording gages at various sites and datums in the vicinity maintained by National Weather Service. August 1928 to May 26, 1934, nonrecording gage at site 1.0 mi (1.6 km) downstream at datum 0.37 ft (0.113 m) higher. May 26, 1934, to September 1954, water-stage recorder at present site and datum.

REMARKS.--Records furnished by National Weather Service.

AVERAGE DISCHARGE.--26 years (1928-54), 7,384 ft³/s (209 m³/s), 17.62 in/yr (448 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--1928-1954: Maximum discharge, 72,600 ft³/s (2,060 m³/s) Apr. 9, 1938 (gage height, 26.40 ft or 8.047 m); minimum, 705 ft³/s (20.0 m³/s) Oct. 21, 1952 (gage height 0.81 ft or 0.247 m). 1904-1971: Maximum gage height, 26.40 ft (8.047 m) Apr. 9, 1938.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of 1874 reached a stage of about 31 ft (9.4 m), from information by National Weather Service.

EXTREMES FOR CURRENT YEAR.--Maximum observed 24.00 (2.315 m) Apr. 6 at 1,400; minimum 2.00 ft (0.610 m) Aug. 28.

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
INSTANTANEOUS OBSERVATIONS AT 0700

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.40	14.78	6.52	10.66	9.84	8.98	23.49	5.72	8.85	5.76	3.10	2.60
2	3.54	12.95	6.73	10.97	10.93	8.40	23.63	5.83	7.73	5.02	3.00	3.16
3	4.23	9.77	7.79	11.28	11.42	8.00	23.54	6.03	7.24	4.56	3.72	3.41
4	3.70	7.28	7.55	11.65	11.68	7.05	23.57	6.12	8.00	4.76	3.20	3.28
5	3.52	6.23	7.08	12.29	11.32	6.40	23.78	5.73	8.08	5.22	4.05	3.69
6	3.48	5.72	6.65	12.43	10.77	6.25	23.92	5.25	7.63	4.67	4.63	4.12
7	3.35	8.92	6.37	12.27	10.58	5.57	23.80	4.83	6.78	5.76	4.74	4.83
8	3.24	10.43	6.58	12.05	10.47	6.05	23.68	4.82	6.23	8.12	4.12	3.27
9	3.27	11.18	8.62	11.65	10.00	9.43	23.55	7.25	6.08	8.54	3.49	3.23
10	3.28	11.63	7.54	11.07	9.44	11.48	22.98	9.86	5.77	8.14	3.00	3.50
11	3.38	10.25	6.48	10.74	8.48	13.38	22.43	12.68	5.18	7.52	2.78	3.63
12	3.08	9.05	6.00	10.63	7.40	13.60	21.84	11.43	4.70	6.30	2.54	3.71
13	3.00	8.77	5.93	10.52	6.75	13.93	20.77	9.05	4.24	5.78	2.46	3.71
14	2.97	8.67	6.02	10.37	6.50	14.30	19.80	7.67	4.19	5.19	2.36	3.52
15	2.94	8.52	6.03	10.24	6.51	15.08	18.00	8.22	3.96	4.26	2.36	3.29
16	2.92	8.14	6.00	10.72	6.60	15.93	15.23	11.12	3.88	4.05	2.29	3.29
17	4.18	7.17	5.98	10.67	6.43	17.18	10.93	12.78	4.23	4.65	2.31	3.07
18	10.82	6.00	6.12	10.25	6.18	18.17	8.50	13.70	4.30	4.83	2.52	2.70
19	13.14	5.24	7.42	9.71	6.06	18.85	7.93	13.36	3.92	4.29	2.78	2.28
20	14.03	4.73	8.12	9.24	5.93	19.87	7.00	12.45	4.27	3.70	2.50	2.47
21	14.23	4.40	7.57	8.97	5.70	20.55	6.65	11.44	4.54	3.31	2.36	2.34
22	14.56	4.27	7.50	8.65	5.57	21.12	6.50	10.67	4.62	3.14	2.11	2.32
23	14.68	4.18	7.22	8.24	7.12	21.49	6.18	9.80	5.46	3.08	2.11	2.19
24	14.73	4.20	6.98	7.53	9.53	21.69	5.75	9.49	5.50	3.08	2.10	2.11
25	14.57	4.05	6.60	6.72	9.55	21.88	5.29	8.73	5.28	3.00	2.08	2.11
26	14.38	3.83	6.52	6.35	9.25	22.10	5.22	8.12	5.12	3.00	2.08	2.11
27	14.55	3.80	7.28	8.86	9.22	22.23	5.12	7.50	4.72	3.04	2.00	2.10
28	14.82	4.29	10.52	10.53	9.42	22.28	5.18	7.07	4.58	2.94	2.00	2.10
29	15.18	6.27	10.29	10.92	9.38	22.30	5.50	6.98	4.98	2.69	2.36	2.10
30	15.22	6.86	9.32	10.32	---	22.00	5.44	8.85	5.68	2.76	2.73	2.11
31	15.17	---	9.58	10.00	---	22.32	---	9.48	---	2.76	2.52	---
MEAN	8.31	7.39	7.26	10.22	8.55	15.42	14.84	8.78	5.52	4.64	2.79	2.95
MAX	15.22	14.78	10.52	12.43	11.68	22.32	23.92	13.70	8.85	8.54	4.74	4.83
MIN	2.92	3.80	5.93	6.35	5.57	5.57	5.12	4.82	3.88	2.69	2.00	2.10
CAL YR 1975	MEAN	10.32	MAX	23.91	MIN	2.92						
WTR YR 1976	MEAN	8.06	MAX	23.92	MIN	2.00						

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, 210 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) above mean sea level (levels by Corps of Engineers). Prior to July 29, 1954, nonrecording gage at same site and datum.

REMARKS.--Water-discharge records good.

AVERAGE DISCHARGE.--38 years, 9,303 ft³/s (263.5 m³/s), 19.06 in/yr (484.1 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 99,000 ft³/s (2,804 m³/s) Apr. 17, 1974, gage height, 22.13 ft (6.745 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, 56,500 ft³/s (1,600 m³/s) Apr. 8, gage height, 20.41 ft (6.221 m); minimum, 1,670 ft³/s (47.3 m³/s) Sept. 28-30; minimum gage height, 6.81 ft (2.067 m) Sept. 30.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3380	23800	6430	12200	12600	9400	51000	5060	8750	4900	2540	2070
2	3540	21300	6590	13100	14900	8690	53900	5510	7780	5230	3070	2400
3	3790	16000	7380	15100	15200	7910	55200	5260	6970	4660	3800	2610
4	3670	10000	7510	18900	15200	7140	54900	5180	6780	4560	3250	2780
5	3430	7220	7130	19000	14600	6520	54900	5000	7140	4770	3010	3190
6	3370	6240	6670	18100	13700	6180	54900	4570	7090	5000	3320	3590
7	3290	7420	6480	17500	13100	6290	56100	4210	6470	5100	3570	3570
8	3220	10400	6920	17300	13000	5970	56100	4250	5750	6030	3430	3070
9	3230	12400	8160	16400	11900	7210	55400	4480	5300	7220	2990	2730
10	3220	14100	8000	15100	10800	10600	54200	6610	4950	7740	2580	2650
11	3170	13500	6840	14000	9440	14600	53100	10800	4490	7430	2330	2730
12	3080	11100	6090	13200	8130	16700	51700	12600	3900	6300	2120	2770
13	2960	9580	5730	12900	7200	18100	49900	10200	3530	5500	2040	2790
14	2870	9100	5660	12600	6720	19100	46800	7960	3390	5110	1990	2680
15	2840	8860	5690	12200	6550	20200	43300	7260	3180	4390	1950	2540
16	2920	8450	5700	12500	6500	22400	39000	7940	3000	3800	1920	2450
17	3410	7660	5730	12800	6420	26100	27000	11500	3360	3680	1930	2310
18	5770	6530	5870	12200	6170	29900	15300	15100	5950	3820	1930	2130
19	11600	5510	6740	11300	5930	32900	9880	16400	6600	3730	1990	1950
20	15600	4830	7820	10300	5760	35600	7720	15900	5250	3260	1980	1840
21	17700	4460	7910	9840	6010	37900	6840	14300	4340	2940	1860	1790
22	19100	4270	7590	9320	7550	39600	6420	12600	3920	2720	1800	1740
23	20200	4110	7200	8710	7250	41900	6010	11400	3970	2550	1890	1710
24	21100	4000	6920	7910	8740	44200	5500	10000	4340	2470	2060	1700
25	21300	3860	6780	7040	9760	48300	5130	8870	4320	2700	1890	1700
26	21200	3690	6730	6860	9700	49000	4930	7960	4200	3080	1790	1720
27	21300	3750	7020	8690	9540	50600	4660	7350	4080	3010	1730	1690
28	21700	4040	9220	11800	9640	51000	4470	7390	3900	2570	1710	1670
29	22500	5050	11600	12900	9700	50300	4570	7850	3860	2550	1740	1670
30	23400	6300	11500	12200	---	50100	4680	7330	4160	2810	1920	1670
31	24100	---	11100	11500	---	49900	---	8380	---	2620	1980	---
TOTAL	321960	257530	226700	393470	281710	824310	943410	269220	150720	132250	72110	69910
MEAN	10390	8584	7313	12690	9714	26590	31450	8685	5024	4266	2326	2330
MAX	24100	23800	11600	19000	15200	51000	56100	16400	8750	7740	3800	3590
MIN	2840	3690	5660	6860	5760	5970	4470	4210	3000	2470	1710	1670
CFSM	1.57	1.29	1.10	1.91	1.47	4.01	4.74	1.31	.76	.64	.35	.35
IN.	1.81	1.44	1.27	2.21	1.58	4.63	5.29	1.51	.85	.74	.40	.39
CAL YR 1975 TOTAL	6037760			MEAN 16540	MAX 55600	MIN 2840	CFSM 2.49	IN 33.88				
WTR YR 1976 TOTAL	3943300			MEAN 10770	MAX 56100	MIN 1670	CFSM 1.62	IN 22.13				

02490500 BOGUE CHITTO NEAR TYLERTOWN, MS

LOCATION.--Lat 31°10'37", long 90°16'48", in SE¼ 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) above mean sea level.

REMARKS.--Records good.

AVERAGE DISCHARGE.--32 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.--Maximum discharge, 8,850 ft³/s (251 m³/s) Mar. 31, gage height, 17.72 ft (5.401 m), only peak above base of 6,000 ft³/s (170 m³/s); minimum, 259 ft³/s (7.73 m³/s), gage height, 6.57 ft (2.003 m), part of each day Sept. 19, 20, 22-26.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1360	372	848	1120	1490	385	7750	388	427	357	292	334
2	1430	367	1170	799	1910	379	5470	475	508	354	437	311
3	825	366	794	1110	1560	372	2440	417	440	354	482	292
4	544	367	598	1770	875	366	1180	369	427	392	354	292
5	466	576	522	1460	684	360	905	354	398	351	309	351
6	436	974	486	869	905	366	769	351	376	343	294	351
7	422	863	582	747	1930	427	679	360	366	395	292	301
8	415	621	750	727	1700	508	616	414	354	366	287	285
9	406	549	634	660	1020	1060	564	493	346	351	278	280
10	399	480	524	586	738	1660	524	479	343	321	274	276
11	390	441	473	553	620	1680	496	447	337	324	272	272
12	382	419	444	553	556	818	482	468	332	314	278	267
13	377	397	427	554	512	688	465	728	327	346	292	269
14	370	386	417	562	482	1610	454	1610	321	447	283	272
15	387	378	413	742	465	3000	444	2020	319	376	283	265
16	712	377	420	793	440	4290	433	2020	321	404	280	263
17	3250	373	497	584	427	5030	420	1320	337	392	272	261
18	2660	370	614	518	420	3350	411	665	343	354	269	261
19	1390	367	640	481	411	1930	404	512	337	319	265	261
20	754	374	540	461	420	1040	398	451	329	304	265	261
21	588	378	481	449	424	1160	395	417	319	297	263	263
22	512	373	450	441	746	1740	385	401	311	343	263	261
23	470	369	432	433	1300	1590	379	395	306	311	267	259
24	442	363	420	429	818	885	376	395	304	299	265	261
25	426	361	461	451	536	1180	395	411	316	346	263	259
26	414	407	719	1710	468	1460	392	382	433	516	263	261
27	408	855	1030	2350	434	1140	372	552	454	465	276	263
28	403	1010	714	2020	411	1260	363	1170	388	379	304	267
29	395	689	755	1000	398	1270	360	782	332	327	327	269
30	385	557	1120	670	---	2360	369	524	321	304	287	269
31	375	---	1370	607	---	7720	---	440	---	297	283	---
TOTAL	22193	14779	19745	26209	23100	51164	29090	20210	10772	11048	9119	8357
MEAN	716	493	637	845	797	1650	970	652	359	356	294	279
MAX	3250	1010	1370	2350	1930	7720	7750	2020	508	516	482	351
MIN	370	361	413	429	398	360	360	351	304	297	263	259
CFSM	1.43	.98	1.27	1.68	1.59	3.29	1.93	1.30	.72	.71	.59	.56
IN.	1.64	1.10	1.46	1.94	1.71	3.79	2.16	1.50	.80	.82	.68	.62

CAL YR 1975 TOTAL 442545 MEAN 1212 MAX 26000 MIN 361 CFSM 2.41 IN 32.79
WTR YR 1976 TOTAL 245786 MEAN 672 MAX 7750 MIN 259 CFSM 1.34 IN 18.21

OHIO RIVER BASIN
TENNESSEE RIVER MAIN STEM

03589500 TENNESSEE RIVER AT FLORENCE, AL

LOCATION.--Lat 34°47'13", long 87°40'12", in SW¼ sec.14, T.3 S., R.11 W., Lauderdale County, Hydrologic Unit 06030005, on right bank at lower end of Patton Island, 137 ft (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) above mean sea level. 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.--82 years, 51,620 ft³/s (1,462 m³/s), 22.75 in/yr (578 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); 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). Maximum discharge observed, 444,000 ft³/s (1,260 m³/s) Mar. 19, 1897, gage height, 32.5 ft (9.91 m).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 185,000 ft³/s (5,239 m³/s) Oct. 17, gage height, 18.54 ft (5.651 m); minimum daily, 14,400 ft³/s (408 m³/s) Sept. 5.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	54400	37100	56900	92100	75300	45600	71800	20500	44500	58600	41900	40900
2	49800	32300	74200	104000	78700	42800	62900	16700	44700	51100	35600	47400
3	57300	42300	74400	118000	71400	39800	48800	20300	66400	35100	41300	42100
4	44400	39900	71600	122000	65800	47100	34600	18300	47900	47700	40400	27600
5	29500	41700	68400	109000	72600	36200	43100	19900	40400	57900	40600	14400
6	42500	32400	65800	104000	77600	35800	36700	17300	29900	76900	40000	18200
7	56300	33700	61800	106000	76600	44700	34300	19000	41000	72300	39800	37900
8	85200	45700	51100	108000	63300	53800	35800	19300	31300	71100	41500	41200
9	94000	44900	47300	107000	60300	57000	39600	25200	39400	58500	33900	34000
10	96800	53200	54500	90900	51300	69200	31700	20400	39100	62300	37200	32000
11	82900	44600	52300	90600	54300	64100	17700	19900	35100	55900	41600	29100
12	75700	46400	46200	87100	46600	62600	21600	19300	30900	46300	37600	18100
13	71100	69900	61900	77900	51800	73900	24200	22100	22800	47700	43500	37200
14	67600	76000	43100	73900	45800	68300	28600	40800	42200	35400	40700	34600
15	68700	78800	41000	76200	40100	60000	20600	87800	41000	40400	26600	41400
16	70900	79800	46000	76700	44300	67700	16800	82500	40100	33700	39600	30600
17	128000	81400	72700	80300	40500	69000	19800	74300	45000	42300	41300	28200
18	130000	82000	73100	82300	70000	62500	37300	65200	44500	28800	36800	24600
19	104000	75000	57900	81000	96800	47600	54600	57600	40200	39900	36100	19000
20	102000	79100	55200	57800	86300	41200	57700	50400	44900	38100	40700	23400
21	89000	57600	55800	61000	93900	49200	55200	52800	53900	37800	42500	28400
22	76600	60900	57700	64300	89800	70000	59500	35000	46400	38800	27400	28000
23	72700	53700	60700	61700	74000	65800	56100	28500	43400	50800	43000	34200
24	77700	50000	57200	57300	69600	68100	61800	28100	42600	49100	40300	32600
25	67900	57300	41000	55900	68300	60000	61600	22800	52600	30700	43600	18000
26	62300	54600	58400	74400	55600	49400	67100	22600	38900	41600	41100	15200
27	66200	61700	75200	86100	52200	48000	66500	19300	21800	39300	43900	24200
28	58800	56800	75300	83200	54700	42300	44000	23800	48800	33600	46200	34500
29	49400	65300	83400	87100	45700	50400	19800	48300	45800	38400	38000	32500
30	49500	57400	76900	89600	---	65800	24000	49900	46000	52300	43800	34800
31	46200	---	55100	82100	---	68100	---	49900	---	45800	43700	---
TOTAL	2227400	1691500	1872100	2647500	1873200	1726000	1253800	1092800	1251500	1458200	1230200	904300
MEAN	71850	56380	60390	85400	64590	55680	41790	35250	41720	47040	39680	30140
MAX	130000	82000	83400	122000	96800	73900	71800	87800	66400	76900	46200	47400
MIN	29500	32300	41000	55900	40100	35800	16800	16700	21800	28800	26600	14400
CFSM	2.33	1.83	1.96	2.77	2.10	1.81	1.36	1.14	1.35	1.63	1.29	.98
IN.	2.69	2.04	2.26	3.20	2.26	2.08	1.51	1.32	1.51	1.76	1.49	1.09
CAL YR 1975	TOTAL	27219500	MEAN	74570	MAX	307000	MIN	17600	CFSM	2.42	IN	32.86
WTR YR 1976	TOTAL	19228500	MEAN	52540	MAX	130000	MIN	14400	CFSM	1.71	IN	23.22

TENNESSEE RIVER BASIN

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 current year.

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) above mean sea level. 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.--46 years (water years 1926-27, 1929-31, 1933-76), 1131 ft³/s (32.03 m³/s), 23.03 in/yr (585 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.--Peak discharges above base of 7,500 ft³/s (212 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)
Oct. 18	0115	*13,000	368	16.45	5.014	Feb. 19	0015	8,440	239	14.50	4.420

Minimum daily discharge, 145 ft³/s (4.11 m³/s) Aug. 13, 14.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	877	1900	2110	2360	942	641	3580	527	652	1230	414	612
2	1210	1830	1770	2430	907	1200	2950	469	703	1180	375	396
3	1440	1750	1870	5570	869	1830	2610	433	968	741	340	342
4	1310	1660	1760	4080	788	873	2390	414	907	530	314	1140
5	1130	1560	1520	2850	857	1200	2200	401	1400	567	248	938
6	942	1750	1420	2470	3000	2400	1680	401	916	493	228	688
7	836	2080	1070	2510	2380	1330	1220	425	804	570	201	370
8	2100	1670	916	2570	1900	1550	1050	406	715	605	181	403
9	2310	1430	761	1930	1700	2600	968	390	553	417	170	644
10	2200	1610	745	1500	1790	2440	804	380	517	383	163	840
11	2110	1410	707	1560	1370	2550	681	375	463	307	153	696
12	2050	2980	677	1870	1220	2590	768	293	345	284	148	612
13	1910	2540	619	1760	982	2030	757	388	316	288	145	574
14	1790	1840	553	2850	890	2280	861	1080	302	365	145	547
15	1690	1550	598	2400	852	2270	869	2520	288	466	150	524
16	1630	1320	1230	2220	780	1930	784	1950	293	352	174	499
17	8190	1130	776	1720	718	1740	796	1770	291	574	193	524
18	11500	982	688	1480	4620	1610	812	1490	284	469	172	674
19	5920	877	688	1390	6180	1530	873	1050	487	385	159	711
20	3440	1010	674	1200	3080	1600	670	761	550	357	168	478
21	3590	1570	663	1110	2760	5870	524	703	648	347	164	309
22	3160	1260	637	960	3040	4720	439	605	745	411	163	230
23	2800	890	567	907	2300	3020	409	442	648	347	163	218
24	2630	804	487	886	2490	2670	396	406	527	252	161	197
25	2530	547	1000	894	2350	2460	458	403	342	230	469	180
26	2500	595	3170	1680	1630	2290	537	484	357	216	1720	170
27	2440	1140	2180	1790	828	2640	609	487	938	235	499	185
28	2310	844	2130	1390	718	2330	641	619	1710	877	362	451
29	2210	852	1960	1070	685	2140	688	745	1330	543	393	388
30	2130	1360	1780	1050	---	2610	609	584	1300	367	537	295
31	2010	---	1770	1010	---	5120	---	609	---	360	425	---
TOTAL	82895	42741	37496	59467	52626	72064	32633	22010	20299	14748	9297	14835
MEAN	2674	1425	1210	1918	1815	2325	1088	710	677	476	300	495
MAX	11500	2980	3170	5570	6180	5870	3580	2520	1710	1230	1720	1140
MIN	836	547	487	886	685	641	396	293	284	216	145	170
CFSM	4.01	2.14	1.81	2.88	2.72	3.49	1.63	1.06	1.01	.71	.45	.74
IN.	4.62	2.38	2.09	3.32	2.94	4.02	1.82	1.23	1.13	.82	.52	.83
CAL YR 1975	TOTAL	760266	MEAN	2083	MAX	29700	MIN	251	CFSM	3.12	IN	42.40
WTR YR 1976	TOTAL	461111	MEAN	1260	MAX	11500	MIN	145	CFSM	1.89	IN	25.72

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.

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

GAGE.--Water-stage recorder. Altitude of gage is 440 ft or 134.1 m (from topographic map).

REMARKS.--Records fair except those for period of no gage-height record, Oct. 6 to Nov. 18, which are poor.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,030 ft³/s (85.8 m³/s) Jan. 10, 11, 1974, and Mar. 13, 1975, gage height, 19.06 ft (5.809 m); minimum, 4.3 ft³/s (0.122 m³/s) Aug. 24, 1976, gage height, 6.08 ft (1.853 m).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 550 ft³/s (15.6 m³/s) Feb. 18, gage height, 16.54 ft (5.041 m), no peak above base of 700 ft³/s (19.8 m³/s); minimum, 4.3 ft³/s (0.122 m³/s) Aug. 24, gage height, 6.08 ft (1.853 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15	18	75	50	28	28	79	23	15	7.4	12	9.7
2	14	17	44	73	25	27	59	17	17	6.6	8.4	20
3	12	17	35	313	24	26	48	14	15	6.5	6.9	25
4	12	17	30	101	23	25	42	13	150	6.6	6.4	15
5	12	17	27	61	61	111	38	13	98	7.7	6.2	11
6	12	35	33	52	96	63	35	15	29	6.8	6.1	10
7	13	160	32	88	45	43	32	23	19	7.3	6.2	9.0
8	22	60	26	68	37	90	29	17	16	6.2	6.0	10
9	17	40	25	45	32	143	26	14	14	5.9	5.8	40
10	14	60	22	41	30	75	25	13	12	5.8	5.6	25
11	12	40	21	65	32	54	28	15	11	5.7	5.3	15
12	18	30	20	51	29	99	39	13	9.9	5.9	5.2	10
13	15	24	19	69	27	68	28	14	9.3	5.6	5.1	8.5
14	14	21	19	65	25	56	48	177	8.8	6.0	5.2	7.5
15	13	20	40	47	24	48	36	100	7.4	10	5.2	6.6
16	30	19	65	43	24	44	28	53	12	7.7	7.0	6.4
17	400	19	29	36	29	37	23	36	12	7.1	6.2	6.2
18	150	18	22	31	431	35	21	27	11	5.7	5.6	6.5
19	70	18	19	31	163	33	19	21	13	5.6	5.4	6.8
20	50	53	22	33	69	74	18	18	11	5.3	5.7	8.7
21	35	34	21	30	125	202	21	16	8.7	5.2	5.0	7.8
22	30	23	19	29	87	68	18	15	8.1	5.2	5.7	7.3
23	25	21	20	28	58	52	16	14	8.0	5.2	5.0	6.5
24	23	20	19	29	48	47	17	14	8.1	5.6	4.8	6.2
25	35	19	99	74	43	51	32	12	7.5	4.9	5.0	6.4
26	55	48	125	83	39	49	19	11	7.5	4.8	11	6.9
27	40	81	56	43	34	97	17	13	11	10	6.8	9.7
28	30	40	44	36	32	52	15	85	12	19	6.1	9.9
29	25	34	39	34	30	127	14	39	8.0	8.7	6.0	14
30	26	91	43	31	---	145	16	22	8.5	35	5.9	10
31	20	---	79	29	---	146	---	17	---	15	5.9	---
TOTAL	1259	1114	1189	1809	1750	2215	886	894	577.8	250.0	192.7	341.6
MEAN	40.6	37.1	38.4	58.4	60.3	71.5	29.5	28.8	19.3	8.06	6.22	11.4
MAX	400	160	125	313	431	202	79	177	150	35	12	40
MIN	12	17	19	28	23	25	14	11	7.4	4.8	4.8	6.2
CFSM	1.64	1.50	1.55	2.36	2.44	2.89	1.19	1.17	.78	.33	.25	.46
IN.	1.90	1.68	1.79	2.72	2.64	3.34	1.33	1.35	.87	.38	.29	.51

CAL YR 1975 TOTAL 22207.8 MEAN 60.8 MAX 2630 MIN 6.6 CFSM 2.46 IN 33.45
WTR YR 1976 TOTAL 12478.1 MEAN 34.1 MAX 431 MIN 4.8 CFSM 1.38 IN 18.79

TENNESSEE RIVER BASIN

03592800 YELLOW CREEK NEAR DOSKIE, MS

LOCATION.--Lat 34°54'02", long 88°17'35", in SW¼ sec.18, T.2 S., R.10 E., Chickasaw Meridian, Tishomingo County, Hydrologic Unit 06030005, near right bank on downstream side of Moser Bridge on county road, 0.4 mi (0.6 km) south of Doskie, and 5.8 mi (9.3 km) northeast of Burnsville.

DRAINAGE AREA.--143 mi² (370 km²).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--May 1973 to current year. Nov. 13, 1937 through 1958, daily discharge by Tennessee Valley Authority.

GAGE.--Water-stage recorder. Datum of gage is 421.12 ft (128.357 m) above mean sea level.

REMARKS.--Records good.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 12,100 ft³/s (343 m³/s) Jan. 11, 1974, gage height, 12.59 ft (3.837 m); minimum, 28.8 ft³/s (0.816 m³/s) July 20, Aug. 1, 1974, gage height, 2.32 ft (0.707 m).

EXTREMES FOR CURRENT YEAR.--Peak discharge above base of 2,000 ft³/s (56 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)	Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
Oct. 17	2215	2,030 57.5	9.68 2.950	Feb. 19	0945	*2,140 60.6	9.73 2.966

Minimum discharge, 14 ft³/s (0.40 m³/s) Aug. 25, gage height, 2.40 ft (0.732 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	69	77	469	312	156	164	775	182	93	38	78	30
2	72	74	233	385	136	157	455	128	120	31	45	45
3	54	73	178	1380	128	152	329	94	143	30	32	51
4	61	73	150	1040	123	148	276	74	303	33	28	65
5	61	72	134	569	244	571	231	72	880	37	26	46
6	62	669	164	354	702	540	209	119	275	31	25	30
7	71	782	176	509	325	277	186	202	144	33	25	27
8	94	332	138	529	239	405	169	126	106	30	25	32
9	75	207	127	276	201	921	163	95	83	29	24	106
10	66	222	113	237	181	645	149	82	68	28	23	103
11	62	180	102	336	181	367	144	93	60	27	22	39
12	77	150	97	315	171	649	216	76	55	26	20	29
13	69	122	92	356	157	575	166	91	50	26	19	27
14	65	106	90	425	147	365	271	805	45	47	19	25
15	62	99	154	271	145	297	253	989	41	175	18	24
16	94	97	314	243	142	262	172	573	70	65	26	23
17	1530	91	153	158	143	213	163	314	79	59	25	22
18	1480	85	115	166	1530	192	147	216	59	38	20	22
19	494	81	95	160	1750	179	131	159	90	31	18	70
20	226	195	104	171	807	215	125	129	70	29	16	79
21	148	183	100	157	752	1050	141	107	50	29	16	48
22	117	117	87	146	798	594	144	94	43	28	15	31
23	101	104	87	142	437	322	94	88	41	28	15	26
24	91	99	82	142	310	251	135	85	44	33	15	25
25	129	93	337	284	258	275	444	74	42	29	14	25
26	160	171	915	722	225	245	180	66	44	28	26	31
27	122	402	432	319	195	671	159	79	55	27	22	225
28	105	179	262	224	179	349	146	363	56	121	23	111
29	98	144	209	201	169	561	135	260	39	60	39	90
30	93	322	220	178	---	1090	127	139	45	177	21	64
31	79	---	457	161	---	1110	---	104	---	86	17	---
TOTAL	6097	5601	6386	10908	10931	13812	6435	6078	3293	1489	757	1571
MEAN	197	187	206	352	377	446	215	196	110	48.0	24.4	52.4
MAX	1530	782	915	1380	1750	1110	775	989	880	177	78	225
MIN	61	72	82	142	123	148	94	66	39	26	14	22
CFSM	1.39	1.31	1.44	2.46	2.64	3.12	1.50	1.37	.77	.34	.17	.37
IN.	1.59	1.45	1.66	2.84	2.84	3.59	1.67	1.58	.86	.39	.20	.41

CAL YR 1975	TOTAL	113331	MEAN 310	MAX 8490	MIN 33	CFSM 2.17	IN 29.48
WTR YR 1976	TOTAL	73358	MEAN 200	MAX 1750	MIN 14	CFSM 1.40	IN 19.08

03592800 YELLOW CREEK NEAR DOSKIE, MS--Continued

WATER-QUALITY RECORDS

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

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: August 1973 to current year.

pH: AUGUST 1973 to current year.

WATER TEMPERATURE: August 1973 to current year.

TURBIDITY: November 1975 to current year.

DISSOLVED OXYGEN: August 1973 to current year.

INSTRUMENTATION.--Water-quality monitor since August 1973.

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

EXTREMES OUTSIDE PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 98 micromhos June 9, 1975; minimum, 16 micromhos Sept. 9, 1975.

pH: Maximum, 8.6 units Mar. 20, 21, 23, 24, 1975; minimum, 4.0 units Jan. 9, 13, 1975.

WATER TEMPERATURES: Maximum, 31.0°C June 2, 1975; minimum, 0.5°C Jan. 14, 1975.

TURBIDITY: Maximum, 30 JTU Sept. 12, 1972; minimum, 10 JTU Apr. 3, 1974.

DISSOLVED OXYGEN: Maximum, 13.7 mg/L Feb. 9, 1974; minimum, 2.0 mg/L Jan. 1-2, 1975.

REVISIONS.--The daily figures of dissolved oxygen for March 1974 have been revised to the following values, superseding figures previously published.

DAY	MAX	MIN	DAY	MAX	MIN	DAY	MAX	MIN
11	10.0	--	16	8.2	7.5	21	6.7	4.5
12	10.1	6.9	17	10.7	7.8	22	--	5.4
13	10.2	9.8	18	8.1	7.2	23	9.5	6.7
14	10.8	9.3	19	8.0	6.5	24	9.6	6.8
15	9.9	7.0	20	7.0	5.6			

The maximum and minimum daily figures of pH for the following dates have been deleted: Jan. 8, 12, Mar. 12, 29, and Sept. 1, 1975.

WATER QUALITY DATA, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	TIME	INSTAN- TANEOUS DIS- CHARGE (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	pH (UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COHALT UNITS)	TUR- BID- ITY (JTU)	DIS- SOLVED OXYGEN (MG/L)	CHEM- ICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L)	BIO- CHEM- ICAL OXYGEN DEMAND (MG/L)	IMME- DIATE COLI- FORM (COL. PER 100 ML)	FECAL COLI- FORM (COL. PER 100 ML)
OCT 01...	1100	63	31	5.6	14.0	250	10	8.3	14	2.1	807	879
NOV 04...	0900	72	30	6.0	16.0	90	--	9.3	8	2.5	1012	--
DEC 03...	1315	174	29	5.6	6.5	50	--	11.4	4	2.4	370	830
30...	1300	224	31	5.4	9.0	60	--	10.8	8	1.9	420	840
JAN 20...	1015	170	34	6.1	4.0	40	7	11.6	6	1.9	315	8140
FEB 24...	1130	308	26	5.6	8.5	50	--	10.8	5	1.6	490	<7
MAR 24...	1445	175	26	6.2	12.0	50	20	11.0	10	1.2	<7	<7
MAY 04...	1230	74	28	5.6	12.5	70	--	11.1	2	2.1	560	<7
JUN 02...	1100	128	26	5.6	17.5	90	--	8.3	23	1.5	1900	<14
JUL 07...	1130	35	21	6.3	19.0	50	15	7.3	14	.6	1360	<14
AUG 03...	1300	32	30	6.3	21.5	40	--	8.2	10	1.3	--	<14
30...	1115	20	28	6.1	21.5	60	--	7.8	10	1.9	843	<14

03592800 YELLOW CREEK NEAR DOSKIE, MS--CONTINUED

DATE	HARD- NESS (CA, MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	TOTAL MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	ALKA- LITY AS CACO3 (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L)	DIS- SOLVED SOLIDS (TONS PER AC-FT)
OCT												
01...	10	0	2.8	.1	1.0	13	0	11	2.6	1.7	28	.04
NOV												
04...	11	0	3.3	--	.7	18	0	15	1.6	1.5	30	.04
DEC												
03...	13	5	4.4	--	.6	10	0	8	2.6	1.4	26	.04
30...	14	3	3.8	--	1.1	14	0	11	3.9	2.5	30	.04
JAN												
20...	7	0	2.0	.5	.6	14	0	11	4.2	2.8	28	.04
FEB												
24...	11	2	2.9	--	.9	11	0	9	4.5	1.9	36	.05
MAR												
24...	11	1	2.2	1.3	1.3	12	0	10	3.6	1.8	47	.06
MAY												
04...	11	0	4.1	--	.1	13	0	11	1.8	1.5	24	.03
JUN												
02...	5	0	1.4	--	.4	10	0	8	2.7	1.5	37	.05
JUL												
07...	4	0	1.3	.5	.3	10	0	8	1.6	.9	31	.04
AUG												
03...	7	0	2.1	--	.4	12	0	10	3.4	1.9	44	.06
30...	7	0	2.0	--	.4	10	0	8	2.1	1.3	22	.03

DATE	DIS- SOLVED SOLIDS (TONS PER DAY)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRATE PLUS NITRATE (N) (MG/L)	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOL- VED PHOS- PHORUS (P) (MG/L)	TOTAL ARSENIC (AS) (UG/L)
OCT												
01...	4.76	.06	.01	.07	.06	.67	.73	.80	3.5	.03	.01	1
NOV												
04...	5.83	.02	.00	.02	.00	.19	.19	.21	.93	.03	.01	--
DEC												
03...	12.2	.09	.00	.09	.04	.12	.16	.25	1.1	.03	.01	--
30...	18.1	.13	.01	.14	.09	.20	.29	.43	1.9	.03	--	--
JAN												
20...	12.9	.11	.01	.12	.03	.00	.00	.12	.53	.04	.00	0
FEB												
24...	29.9	.11	.00	.11	.01	.22	.23	.34	1.5	.02	.01	--
MAR												
24...	22.2	.11	.01	.12	.01	.18	.19	.31	1.4	.03	.00	1
MAY												
04...	4.80	.08	.01	.09	.04	.21	.25	.34	1.5	.01	.00	--
JUN												
02...	12.8	.09	.01	.10	.06	.16	.22	.32	1.4	.02	.00	--
JUL												
07...	2.93	.11	.01	.12	.01	.20	.21	.33	1.5	.10	.10	1
AUG												
03...	3.80	.11	.01	.12	.03	.33	.36	.48	2.1	.02	.00	--
30...	1.19	.04	.01	.05	.02	.28	.30	.35	1.6	.03	.01	--

DATE	TOTAL CAD- MIUM (CD) (UG/L)	TOTAL CHRO- MIUM (CR) (UG/L)	HEXA- VALENT CHRO- MIUM (CR6) (UG/L)	TOTAL COPPER (CU) (UG/L)	TOTAL IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	TOTAL MAN- GANESE (MN) (UG/L)	TOTAL MERCURY (HG) (UG/L)	TOTAL SELE- NIUM (SE) (UG/L)	TOTAL ZINC (ZN) (UG/L)	TOTAL ORGANIC CARBON (C) (MG/L)	PHENOLS (UG/L)
OCT												
01...	0	<10	0	2	100	4	0	.0	0	0	4.2	4
NOV												
04...	--	--	--	--	--	--	--	.1	--	--	3.4	--
DEC												
03...	--	--	--	--	--	--	--	.8	--	--	2.2	--
30...	--	--	--	--	--	--	--	.1	--	--	8.2	--
JAN												
20...	0	<10	0	2	1100	0	180	.1	0	20	2.0	3
FEB												
24...	--	--	--	--	--	--	--	.0	--	--	4.2	--
MAR												
24...	1	20	0	0	1700	0	150	.1	0	30	2.9	3
MAY												
04...	--	--	--	--	--	--	--	.2	--	--	2.6	--
JUN												
02...	--	--	--	--	--	--	--	.1	--	--	5.7	--
JUL												
07...	0	25	0	1	2200	0	100	.0	0	20	2.8	4
AUG												
03...	--	--	--	--	--	--	--	.0	--	--	5.0	--
30...	--	--	--	--	--	--	--	.3	--	--	2.0	--

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

OCTOBER			NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	24	22	---	---	---	---	---	---	---	---	27	26
2	25	22	---	---	31	29	35	30	---	---	27	25
3	---	---	---	---	29	27	36	30	---	---	28	25
4	29	23	---	---	28	27	39	34	30	29	28	27
5	29	23	29	28	27	26	---	---	37	28	37	27
6	25	23	40	27	---	---	---	---	33	31	31	29
7	25	23	---	---	---	---	---	---	31	29	29	28
8	25	23	---	---	---	---	33	32	29	28	36	28
9	---	---	---	---	---	---	33	32	28	26	---	---
10	---	---	---	---	---	---	33	30	27	26	---	---
11	---	---	---	---	---	---	32	29	26	26	38	26
12	---	---	33	32	---	---	33	31	27	26	---	---
13	---	---	35	33	---	---	39	32	27	26	---	---
14	---	---	35	34	---	---	37	34	27	26	---	---
15	---	---	35	34	---	---	35	32	28	27	---	---
16	29	26	34	33	---	---	33	32	28	27	---	---
17	33	30	34	32	---	---	33	32	35	26	26	25
18	35	30	34	32	---	---	33	32	32	29	26	25
19	31	29	33	31	---	---	33	31	31	27	25	24
20	29	27	33	31	---	---	32	31	---	---	28	24
21	27	27	32	31	---	---	33	31	---	---	30	26
22	28	27	32	31	---	---	33	29	---	---	27	24
23	28	27	32	31	---	---	30	29	---	---	27	25
24	28	27	32	30	---	---	30	29	---	---	27	25
25	28	26	33	32	---	---	33	28	26	25	28	25
26	28	27	37	30	---	---	---	---	26	25	27	26
27	28	27	---	---	---	---	---	---	26	25	30	26
28	28	26	---	---	---	---	---	---	26	26	29	26
29	---	---	---	---	---	---	29	27	26	25	29	24
30	---	---	---	---	---	---	28	27	---	---	28	25
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---
APRIL			MAY		JUNE		JULY		AUGUST		SEPTEMBER	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	28	25	23	21	29	25	26	23	---	---	---	---
2	26	25	35	23	28	26	28	25	---	---	---	---
3	27	24	---	---	27	26	26	23	---	---	---	---
4	---	---	28	26	34	27	23	20	31	29	23	19
5	---	---	28	24	36	29	---	---	31	27	---	---
6	28	26	37	23	30	28	---	---	30	25	---	---
7	---	---	41	24	31	28	24	21	28	24	---	---
8	---	---	24	23	32	30	24	22	25	23	---	---
9	---	---	24	23	33	30	25	22	25	23	---	---
10	---	---	25	23	33	31	---	---	25	22	---	---
11	---	---	39	23	33	31	---	---	27	22	---	---
12	---	---	25	22	32	29	---	---	27	24	---	---
13	31	29	33	26	31	27	---	---	---	---	---	---
14	32	24	33	30	30	26	---	---	---	---	---	---
15	---	---	47	30	33	30	---	---	---	---	---	---
16	---	---	---	---	32	26	---	---	---	---	25	23
17	---	---	---	---	---	---	---	---	---	---	25	23
18	---	---	---	---	---	---	---	---	---	---	24	21
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	32	30	---	---	---	---	---	---	---	---
21	---	---	32	30	---	---	---	---	---	---	---	---
22	---	---	32	30	---	---	---	---	---	---	---	---
23	---	---	32	30	28	24	---	---	---	---	---	---
24	34	33	32	31	---	---	---	---	---	---	---	---
25	33	30	32	29	---	---	---	---	---	---	---	---
26	---	---	33	29	---	---	27	25	---	---	---	---
27	27	23	31	30	---	---	26	24	22	20	---	---
28	25	23	30	24	---	---	---	---	20	19	---	---
29	24	22	28	24	24	24	24	20	21	19	---	---
30	24	22	29	27	24	22	---	---	20	17	---	---
31	---	---	29	27	---	---	---	---	---	---	---	---
MONTH	---	---	47	21	---	---	---	---	---	---	---	---

PH (UNITS), WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

OCTOBER			NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	---	---	5.7	5.6	---	---	5.8	5.7	---	---	5.6	5.4
2	---	---	5.8	5.7	6.3	5.6	5.7	5.5	---	---	5.6	5.4
3	---	---	5.8	5.7	6.2	5.8	5.6	5.4	---	---	5.7	5.5
4	---	---	5.9	5.8	6.0	5.8	---	---	6.0	5.7	5.8	5.6
5	---	---	6.0	5.8	5.9	5.7	---	---	5.9	5.6	5.8	5.5
6	---	---	6.0	5.8	5.8	5.7	---	---	6.0	5.7	5.7	5.6
7	5.7	5.2	---	---	---	---	---	---	6.0	5.7	5.8	5.6
8	5.8	5.0	---	---	---	---	6.0	57.0	6.0	5.7	5.8	5.7
9	---	---	---	---	---	---	---	---	6.0	5.7	5.8	5.7
10	---	---	---	---	---	---	---	---	5.8	5.6	5.7	5.6
11	---	---	---	---	---	---	---	---	5.8	5.6	5.8	5.6
12	---	---	6.9	6.1	---	---	---	---	5.9	5.6	5.8	5.6
13	---	---	7.3	6.9	---	---	---	---	5.7	5.3	5.8	5.7
14	---	---	7.7	6.7	---	---	---	---	5.6	5.4	5.8	5.6
15	6.1	6.0	7.7	6.3	---	---	---	---	5.7	5.6	5.9	5.7
16	6.1	5.8	7.5	6.3	---	---	---	---	5.6	5.5	5.9	5.5
17	5.9	4.9	7.3	6.2	---	---	---	---	5.6	5.5	6.0	5.5
18	5.3	5.0	7.1	6.0	---	---	---	---	5.3	5.0	---	---
19	5.7	5.2	6.9	6.0	---	---	---	---	5.3	5.0	---	---
20	5.8	5.5	6.1	5.6	---	---	---	---	5.6	5.1	---	---
21	5.7	5.5	5.8	5.7	---	---	---	---	5.9	5.1	---	---
22	5.6	5.5	6.3	5.8	---	---	5.6	5.4	5.9	5.3	---	---
23	5.6	5.5	5.9	5.7	---	---	5.6	5.3	5.5	5.0	---	---
24	5.7	5.6	5.9	5.7	---	---	5.4	5.3	5.5	5.4	---	---
25	5.6	5.6	5.9	5.8	---	---	5.4	5.3	5.6	5.4	---	---
26	5.6	5.6	5.9	5.7	---	---	5.8	5.2	5.6	5.4	---	---
27	5.7	5.6	5.9	5.7	---	---	5.6	5.4	5.7	5.4	---	---
28	5.7	5.6	---	---	---	---	5.7	5.3	5.7	5.5	---	---
29	5.6	5.6	---	---	---	---	5.9	5.7	5.7	5.5	6.2	5.7
30	5.8	5.7	---	---	---	---	6.1	5.7	---	---	6.1	5.6
31	5.8	5.7	---	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	6.0	5.0	---	---
APRIL			MAY		JUNE		JULY		AUGUST		SEPTEMBER	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	5.6	5.4	5.7	5.6	5.8	5.5	---	---	---	---	---	---
2	5.6	5.3	5.8	5.6	5.8	5.6	---	---	---	---	---	---
3	5.7	5.3	5.8	5.6	5.8	5.5	---	---	---	---	---	---
4	5.6	5.4	5.8	5.6	---	---	---	---	---	---	---	---
5	5.7	5.5	5.8	5.6	5.8	5.1	---	---	---	---	---	---
6	5.8	5.7	5.9	5.6	6.1	5.8	---	---	---	---	---	---
7	---	---	6.0	5.7	6.8	6.0	---	---	---	---	---	---
8	---	---	6.1	5.9	6.6	5.9	6.3	6.1	---	---	---	---
9	---	---	6.2	5.9	6.3	6.0	6.3	6.0	---	---	---	---
10	---	---	6.1	5.9	---	---	7.0	6.1	---	---	---	---
11	---	---	6.0	5.8	---	---	7.2	6.1	---	---	---	---
12	---	---	6.0	5.9	---	---	7.2	6.1	---	---	---	---
13	5.9	5.9	6.1	5.6	---	---	6.8	6.1	---	---	---	---
14	6.0	5.8	6.0	5.6	6.0	5.9	6.6	5.8	---	---	---	---
15	6.0	5.8	6.1	5.9	6.2	6.0	6.0	5.6	---	---	---	---
16	6.0	5.9	---	---	6.3	5.9	6.2	6.0	---	---	---	---
17	6.1	5.9	---	---	---	---	---	---	---	---	---	---
18	6.1	5.9	---	---	---	---	---	---	---	---	---	---
19	6.0	5.8	---	---	---	---	---	---	---	---	---	---
20	6.0	5.8	---	---	---	---	---	---	6.1	5.9	---	---
21	5.9	5.7	---	---	---	---	---	---	6.2	5.9	---	---
22	5.9	5.8	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	6.1	6.0	---	---	---	---	---	---
24	---	---	5.7	5.6	6.0	5.9	---	---	---	---	---	---
25	---	---	5.8	5.6	6.0	5.9	---	---	---	---	---	---
26	---	---	5.8	5.7	6.0	6.0	6.0	5.9	---	---	---	---
27	5.7	5.6	5.8	5.3	6.1	5.6	6.0	5.9	---	---	---	---
28	5.8	5.7	5.7	5.3	6.0	5.7	---	---	---	---	---	---
29	5.8	5.7	5.6	5.3	6.1	6.0	6.3	6.1	---	---	---	---
30	5.8	5.7	5.8	5.3	---	---	6.1	5.8	---	---	---	---
31	---	---	5.7	5.1	---	---	6.3	6.0	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

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

TENNESSEE RIVER BASIN

03592800 YELLOW CREEK NEAR DOSKIE, MS--CONTINUED

TURBIDITY (NTU), WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DAY	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1			---	---	---	---	20	15	---	---	10	9
2			---	---	---	---	75	15	---	---	20	9
3			---	---	20	10	85	35	---	---	35	20
4			---	---	15	10	40	25	20	9	35	20
5			---	---	15	10	35	10	80	10	80	20
6			---	---	15	10	---	---	70	35	50	35
7			---	---	25	10	---	---	35	20	35	30
8			---	---	25	15	20	6	25	15	80	10
9			---	---	---	---	---	---	20	10	---	---
10			---	---	---	---	---	---	---	---	---	---
11			---	---	---	---	---	---	15	15	---	---
12			---	---	---	---	15	10	---	---	---	---
13			---	---	---	---	10	9	---	---	---	---
14			15	15	---	---	25	8	---	---	---	---
15			15	10	---	---	10	7	---	---	---	---
16			10	10	---	---	---	---	---	---	---	---
17			15	9	---	---	---	---	---	---	30	30
18			15	10	---	---	---	---	---	---	35	30
19			15	10	---	---	10	5	130	60	40	30
20			10	9	---	---	10	5	55	40	400	35
21			---	---	---	---	10	9	190	35	220	95
22			---	---	---	---	10	8	75	40	95	30
23			---	---	10	8	10	---	40	30	50	25
24			---	---	10	5	---	---	35	30	35	20
25			---	---	---	---	---	---	35	30	50	15
26			---	---	---	---	---	---	35	30	40	15
27			---	---	---	---	---	---	35	15	20	15
28			---	---	---	---	---	---	20	10	---	---
29			---	---	---	---	15	15	10	9	---	---
30			---	---	---	---	15	10	---	---	---	---
31			---	---	---	---	20	15	---	---	80	25
MONTH			---	---	---	---	---	---	---	---	---	---
DAY	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	50	25	130	30	55	15	35	30	35	15	50	40
2	40	20	55	35	55	40	35	30	20	10	50	35
3	20	15	40	35	80	45	35	30	---	---	40	35
4	---	---	40	30	70	40	85	35	35	35	100	35
5	---	---	35	30	65	50	50	35	35	30	---	---
6	---	---	55	20	55	40	45	30	35	30	---	---
7	---	---	50	15	55	50	35	30	30	25	---	---
8	---	---	25	20	65	50	40	30	30	25	---	---
9	---	---	20	15	50	25	35	30	30	25	---	---
10	---	---	15	15	55	20	40	30	35	25	---	---
11	---	---	35	15	55	45	35	25	---	---	---	---
12	---	---	35	20	45	40	40	25	---	---	---	---
13	35	30	---	---	45	40	45	25	---	---	---	---
14	120	30	---	---	45	40	60	30	---	---	---	---
15	50	25	---	---	50	40	160	60	---	---	---	---
16	40	20	---	---	120	40	80	45	---	---	45	35
17	40	35	---	---	---	---	95	35	---	---	45	35
18	45	35	---	---	---	---	35	30	---	---	50	35
19	40	35	---	---	---	---	35	30	---	---	360	35
20	45	35	40	35	---	---	40	30	---	---	160	60
21	45	35	55	35	---	---	35	25	---	---	160	35
22	40	35	40	35	---	---	30	20	---	---	35	35
23	---	---	40	35	---	---	25	20	---	---	45	35
24	---	---	35	35	45	35	65	30	---	---	40	35
25	---	---	35	35	50	35	35	20	---	---	45	35
26	---	---	40	35	45	35	30	25	---	---	130	25
27	45	35	35	35	70	40	---	---	50	40	80	40
28	40	35	40	15	40	35	---	---	55	45	40	35
29	55	35	15	10	45	35	80	45	65	45	35	30
30	65	35	15	10	40	35	310	25	110	40	30	25
31	---	---	15	10	---	---	120	20	55	40	---	---
MONTH	---	---	---	---	---	---	310	20	---	---	---	---

DISSOLVED OXYGEN (DO), MG/L, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	---	---	---	---			11.1	10.9	---	---	9.5	9.0
2	---	---	---	---			10.9	10.3	---	---	9.1	8.9
3	---	---	---	---			---	---	12.5	11.9	---	---
4	---	---	---	---			---	---	11.4	10.7	---	---
5	---	---	---	---			---	---	10.7	9.7	---	---
6	---	---	---	---			---	---	11.2	10.1	---	---
7	---	---	---	---			---	---	11.7	11.2	---	---
8	---	---	---	---			13.3	12.7	11.6	10.6	---	---
9	---	---	---	---			13.5	12.1	11.3	10.6	---	---
10	---	---	---	---			13.2	11.0	10.7	10.2	10.2	9.2
11	---	---	---	---			12.4	12.1	10.4	10.0	10.2	9.3
12	---	---	---	---			12.5	10.6	11.0	9.9	9.9	9.3
13	---	---	10.8	10.3			11.9	9.9	10.5	10.1	9.4	9.1
14	---	---	11.9	10.8			11.3	10.4	10.1	9.2	---	---
15	9.1	9.0	12.1	11.6			11.0	9.9	9.9	9.6	---	---
16	9.6	9.0	11.8	10.7			10.6	10.2	9.7	9.2	---	---
17	9.4	8.1	---	---			10.9	9.7	9.5	9.0	11.6	11.0
18	---	---	---	---			11.6	9.7	---	---	11.4	10.7
19	---	---	---	---			11.7	10.1	10.0	9.0	10.8	10.2
20	---	---	11.1	9.7			12.0	9.6	---	---	10.3	9.4
21	---	---	11.4	10.1			11.9	10.6	---	---	10.1	9.1
22	---	---	11.6	10.2			12.8	12.3	---	---	10.2	9.2
23	---	---	11.9	9.9			12.4	10.9	---	---	10.9	10.1
24	---	---	11.1	9.9			11.1	10.2	10.8	9.4	10.9	10.0
25	---	---	11.1	10.0			10.4	9.8	10.1	9.4	10.3	9.7
26	---	---	10.8	10.4			---	---	10.1	9.7	10.0	9.2
27	---	---	---	---			---	---	10.3	9.8	10.1	9.1
28	---	---	---	---			---	---	10.2	9.7	10.7	9.6
29	---	---	---	---			11.6	11.2	10.0	9.4	10.1	8.8
30	---	---	---	---			---	---	---	---	---	---
31	---	---	---	---			---	---	---	---	9.8	6.0
MONTH	---	---	---	---			---	---	---	---	---	---
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	9.8	5.9	9.9	9.4	---	---	9.1	6.6	---	---	---	---
2	10.3	9.0	9.9	9.4	---	---	9.0	6.5	---	---	---	---
3	10.4	6.3	10.2	9.8	8.9	6.7	6.5	6.1	---	---	---	---
4	9.0	6.2	11.1	10.4	---	---	6.4	6.0	---	---	---	---
5	9.9	6.2	11.1	10.5	---	---	9.0	6.0	8.7	7.6	---	---
6	10.6	6.2	---	---	---	---	8.8	6.3	8.6	7.8	---	---
7	---	---	---	---	---	---	9.0	5.6	---	---	---	---
8	---	---	---	---	---	---	9.0	6.0	---	---	---	---
9	---	---	---	---	---	---	7.4	6.2	---	---	---	---

TENNESSEE RIVER BASIN

03592890 YELLOW CREEK AT MILE ONE NEAR PINE FLAT, MS

LOCATION.--Lat 34°59'25", long 88°12'48", in center of sec.14, T.1 S., R.10 E., Chickasaw Meridian, Tishomingo County, Hydrologic Unit 06030005, in Yellow Creek Embayment of Pickwick Lake, 4.0 mi (6.4 km) northeast of Pine Flat, and at mile 1.0 (1.6 km).

DRAINAGE AREA.-198 mi² (513 km²).

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

REVISIONS.--The figure of total lead for June 24, 1974, (0900 hours) has been revised to 25 ug/L, superseding figure previously published.

WATER QUALITY DATA, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

[illegible][illegible]

03592890 YELLOW CREEK AT MILE ONE NEAR PINE FLAT, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

[illegible][illegible]

TENNESSEE RIVER BASIN

03592890 YELLOW CREEK AT MILE ONE NEAR PINE FLAT, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	TIME	DEPTH (FT)	SPECIFIC CONDUCTANCE (MICRO- MHO/CM)	PH (UNITS)	TEMPER- ATURE (DEG C)	TUR- BID- ITY (JTU)	DIS- SOLVED OXYGEN (MG/L)	CHEM- ICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	HARD- NESS (CA+MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)
DEC											
04...	1010	34	88	6.8	9.5	95	9.4	2	2.0	40	11
04...	1015	30	95	--	9.5	--	9.8	--	--	--	--
04...	1020	25	105	6.8	10.0	90	10.0	4	2.1	43	13
04...	1030	20	115	--	9.5	--	9.6	--	--	--	--
04...	1045	15	120	6.7	9.5	60	9.9	10	2.2	47	8
04...	1050	10	120	--	9.5	--	10.0	--	--	--	--
04...	1100	5.0	125	--	9.5	--	10.0	--	--	--	--
04...	1110	1.0	130	6.7	10.0	45	10.0	6	2.4	59	15
04...	1145	--	--	--	--	--	--	--	--	--	--
JAN											
01...	1005	34	110	6.3	6.0	60	10.0	8	1.6	41	8
01...	1008	35	--	--	6.0	--	10.0	--	--	--	--
01...	1012	30	--	--	6.0	--	10.0	--	--	--	--
01...	1015	25	110	6.4	6.0	65	9.8	8	1.8	44	9
01...	1020	20	--	--	6.0	--	10.4	--	--	--	--
01...	1030	15	110	6.3	6.0	60	10.4	6	2.0	42	5
01...	1035	10	--	--	6.0	--	10.2	--	--	--	--
01...	1040	5.0	--	--	6.0	--	10.2	--	--	--	--
01...	1045	1.0	122	6.3	6.0	60	10.4	6	1.5	47	13
21...	1100	33	84	7.0	3.5	70	12.0	10	2.1	28	6
21...	1110	30	70	--	3.5	--	12.0	--	--	--	--
21...	1115	25	70	7.0	3.5	65	12.0	6	1.9	27	5
21...	1130	20	70	--	3.5	--	12.0	--	--	--	--
21...	1135	15	75	7.0	3.5	60	12.0	6	1.9	30	5
21...	1140	10	75	--	3.5	--	11.8	--	--	--	--
21...	1150	5.0	75	--	3.5	--	11.8	--	--	--	--
21...	1200	1.0	70	7.0	3.5	55	11.8	12	2.4	27	1

DATE	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N03) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOL- VED PHOS- PHORUS (P) (MG/L)	TOTAL ARSENIC (AS) (UG/L)
DEC										
04...	.03	.38	.06	.36	.42	.80	3.5	.13	.01	--
04...	--	--	--	--	--	--	--	--	--	--
04...	.03	.45	.07	.27	.34	.79	3.5	.12	.04	--
04...	--	--	--	--	--	--	--	--	--	--
04...	.02	.42	.11	.20	.31	.73	3.2	.12	.03	--
04...	--	--	--	--	--	--	--	--	--	--
04...	--	--	--	--	--	--	--	--	--	--
04...	.01	.43	.06	.23	.29	.72	3.2	.09	.04	--
04...	--	--	--	--	--	--	--	--	--	--
JAN										
01...	.05	.47	.01	.19	.20	.67	3.0	.12	.02	--
01...	--	--	--	--	--	--	--	--	--	--
01...	--	--	--	--	--	--	--	--	--	--
01...	.05	.47	.02	.20	.22	.69	3.1	.12	.02	--
01...	--	--	--	--	--	--	--	--	--	--
01...	.04	.45	.02	.20	.22	.68	3.0	.11	.02	--
01...	--	--	--	--	--	--	--	--	--	--
01...	--	--	--	--	--	--	--	--	--	--
01...	.04	.46	.02	.23	.25	.71	3.1	.12	.02	--
21...	.08	.36	.05	.12	.17	.53	2.3	.12	.02	2
21...	--	--	--	--	--	--	--	--	--	--
21...	.08	.34	.02	.21	.23	.57	2.5	.13	.02	2
21...	--	--	--	--	--	--	--	--	--	--
21...	.05	.36	.05	.12	.17	.53	2.3	.11	.02	2
21...	--	--	--	--	--	--	--	--	--	--
21...	--	--	--	--	--	--	--	--	--	--
21...	.07	.37	.04	.14	.18	.55	2.4	.12	.01	2

03592890 YELLOW CREEK AT MILE ONE NEAR PINE FLAT, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG)	RICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	ALKA- LINITY AS CA CO3 (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	VOL. NON- FILT- RABLE RESIDUE (MG/L)	TOTAL NITRATE (N) (MG/L)
DEC											
04...	13	1.4	35	0	29	7.7	3.7	58	116	0	.35
04...	--	--	--	--	--	--	--	--	--	--	--
04...	14	2.0	37	0	30	8.4	3.9	60	80	0	.42
04...	--	--	--	--	--	--	--	--	--	--	--
04...	15	2.2	47	0	39	9.4	4.2	72	74	0	.40
04...	--	--	--	--	--	--	--	--	--	--	--
04...	--	--	--	--	--	--	--	--	--	--	--
04...	20	2.3	54	0	44	11	4.6	60	44	0	.42
04...	--	--	--	--	--	--	--	--	--	--	--
JAN											
01...	13	2.1	40	0	33	8.5	4.5	86	78	0	.42
01...	--	--	--	--	--	--	--	--	--	--	--
01...	--	--	--	--	--	--	--	--	--	--	--
01...	14	2.2	43	0	35	8.4	4.5	68	73	0	.42
01...	--	--	--	--	--	--	--	--	--	--	--
01...	13	2.2	44	0	36	8.3	4.5	80	71	0	.42
01...	--	--	--	--	--	--	--	--	--	--	--
01...	--	--	--	--	--	--	--	--	--	--	--
01...	15	2.2	41	0	34	8.9	4.7	88	63	0	.42
21...	8.6	1.5	27	--	22	7.4	4.2	64	40	0	.28
21...	--	--	--	--	--	--	--	--	--	--	--
21...	8.2	1.5	27	--	22	7.4	3.8	57	92	1	.26
21...	--	--	--	--	--	--	--	--	--	--	--
21...	9.5	1.6	31	--	25	7.4	4.1	63	86	3	.31
21...	--	--	--	--	--	--	--	--	--	--	--
21...	--	--	--	--	--	--	--	--	--	--	--
21...	8.4	1.5	32	--	26	7.0	3.8	55	58	0	.30

DATE	TOTAL CARB- MIUM (CO) (UG/L)	TOTAL CHRO- MIUM (CR) (UG/L)	TOTAL COPPER (CU) (UG/L)	TOTAL IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	TOTAL MAN- GANESE (MN) (UG/L)	TOTAL MERCURY (HG) (UG/L)	TOTAL ZINC (ZN) (UG/L)	PHENOLS (UG/L)	SUS- PENDED SEDI- MENT (MG/L)
DEC										
04...	--	--	--	--	--	--	--	--	--	--
04...	--	--	--	--	--	--	--	--	--	--
04...	--	--	--	--	--	--	--	--	--	--
04...	--	--	--	--	--	--	--	--	--	--
04...	--	--	--	--	--	--	--	--	--	--
04...	--	--	--	--	--	--	--	--	--	--
04...	--	--	--	--	--	--	--	--	--	--
04...	--	--	--	--	--	--	--	--	--	29
JAN										
01...	--	--	--	--	--	--	--	--	--	--
01...	--	--	--	--	--	--	--	--	--	--
01...	--	--	--	--	--	--	--	--	--	--
01...	--	--	--	--	--	--	--	--	--	--
01...	--	--	--	--	--	--	--	--	--	--
01...	--	--	--	--	--	--	--	--	--	--
01...	--	--	--	--	--	--	--	--	--	--
01...	--	--	--	--	--	--	--	--	--	--
21...	0	20	2	4300	0	140	.2	40	1	--
21...	--	--	--	--	--	--	--	--	--	--
21...	0	10	34	4300	0	150	.0	10	2	--
21...	--	--	--	--	--	--	--	--	--	--
21...	0	20	9	4000	5	120	.2	20	0	--
21...	--	--	--	--	--	--	--	--	--	--
21...	--	--	--	--	--	--	--	--	--	--
21...	0	10	4	4600	4	150	.2	20	1	--

03592890 YELLOW CREEK AT MILE ONE NEAR PINE FLAT, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	TIME	DEPTH (FT)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	TUR- BID- ITY (JTU)	DIS- SOLVED OXYGEN (MG/L)	CHEM- ICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	HARD- NESS (CA, MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)
FEB											
25...	0940	33	70	6.9	10.0	170	9.1	5	1.5	23	2
25...	0942	30	70	--	10.0	--	9.4	--	--	--	--
25...	0945	25	70	6.9	10.0	250	9.5	10	1.5	27	11
25...	0950	20	60	--	10.0	--	9.0	--	--	--	--
25...	0955	15	50	6.8	10.0	<00	9.3	10	1.1	17	6
25...	0956	10	50	--	10.0	--	8.9	--	--	--	--
25...	0958	5.0	50	--	10.0	--	9.1	--	--	--	--
25...	1000	1.0	50	6.8	10.5	170	9.4	15	.7	16	5
MAR											
23...	1000	32	70	6.4	12.5	30	9.3	16	1.4	27	11
23...	1020	25	85	6.8	12.5	65	9.4	18	1.4	38	13
23...	1035	15	90	6.7	12.5	60	10.5	14	1.6	39	12
23...	1100	1.0	70	6.8	13.5	40	10.4	14	1.7	39	19
23...	1115	--	--	--	--	--	--	--	--	--	--
MAY											
05...	1030	39	120	7.0	17.5	30	7.4	5	1.8	48	9
05...	1036	35	120	--	17.5	--	7.7	--	--	--	--
05...	1040	30	120	--	17.5	35	7.7	5	1.5	49	11
05...	1050	25	120	--	17.5	--	7.8	--	--	--	--
05...	1100	20	120	7.0	17.5	30	7.9	5	1.5	46	8
05...	1104	15	120	--	17.5	--	7.8	--	--	--	--
05...	1108	10	120	--	17.5	--	7.9	--	--	--	--
05...	1112	5.0	120	--	17.5	--	7.9	--	--	--	--
05...	1115	1.0	120	6.9	18.0	30	8.0	6	1.5	46	1

DATE	TOTAL NITRITE (N) (MG/L)	TOTAL NITRATE PLUS NITRITE (N) (MG/L)	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOL- VED PHOS- PHORUS (P) (MG/L)	TOTAL ARSENIC (AS) (UG/L)
FEB										
25...	.06	.38	.05	.53	.58	.96	4.3	.16	.01	--
25...	--	--	--	--	--	--	--	--	--	--
25...	.05	.35	.06	.43	.49	.84	3.7	.15	.01	--
25...	--	--	--	--	--	--	--	--	--	--
25...	.07	.31	.07	.45	.52	.83	3.7	.18	.01	--
25...	--	--	--	--	--	--	--	--	--	--
25...	--	--	--	--	--	--	--	--	--	--
25...	.05	.31	.06	.48	.54	.85	3.8	.13	.01	--
MAR										
23...	.05	.39	.03	.27	.30	.64	3.1	.10	.01	3
23...	.04	.45	.02	.23	.25	.70	3.1	.09	.01	2
23...	.05	.47	.02	.24	.30	.77	3.4	.06	.00	2
23...	.05	.39	.03	.13	.16	.55	2.4	.09	.01	2
23...	--	--	--	--	--	--	--	--	--	--
MAY										
05...	.03	.44	.01	.21	.22	.66	2.9	.06	.01	--
05...	--	--	--	--	--	--	--	--	--	--
05...	.03	.43	.01	.25	.26	.69	3.1	.05	.01	--
05...	--	--	--	--	--	--	--	--	--	--
05...	.03	.43	.01	.24	.30	.73	3.2	.05	.01	--
05...	--	--	--	--	--	--	--	--	--	--
05...	--	--	--	--	--	--	--	--	--	--
05...	--	--	--	--	--	--	--	--	--	--
05...	.03	.44	.02	.24	.26	.70	3.1	.06	.01	--

TENNESSEE RIVER BASIN

03592890 YELLOW CREEK AT MILE ONE NEAR PINE FLAT, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

[illegible][illegible]

WATER QUALITY DATA, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

[illegible]

03592890 YELLOW CREEK AT MILE ONE NEAR PINE FLAT, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	TIME	DEPTH (FT)	SPF- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	TUR- BID- ITY (JTU)	DIS- SOLVED OXYGEN (MG/L)	CHEM- ICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	HARD- NESS (CA, MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)
411G											
04...	0930	35	130	7.2	27.0	20	5.3	6	1.2	54	4
04...	0940	30	125	--	27.0	--	5.5	--	--	--	--
04...	0945	25	130	7.2	27.0	10	5.7	5	.8	54	4
04...	0950	20	130	--	27.0	--	5.7	--	--	--	--
04...	1000	15	130	6.8	27.0	10	5.7	3	1.2	54	5
04...	1005	10	130	--	27.0	--	5.8	--	--	--	--
04...	1010	5.0	130	--	27.0	--	5.8	--	--	--	--
04...	1015	1.0	130	7.0	27.0	4	6.0	6	1.5	54	5
04...	1045	--	--	--	--	--	--	--	--	--	--
31...	1010	34	128	7.0	27.0	10	5.9	6	2.1	52	6
31...	1015	30	125	--	27.0	--	6.0	--	--	--	--
31...	1020	25	125	6.9	27.0	4	5.8	7	1.7	49	6
31...	1030	20	120	--	27.0	--	5.8	--	--	--	--
31...	1035	15	120	6.8	27.0	7	5.9	7	2.0	49	3
31...	1040	10	125	--	27.0	--	5.9	--	--	--	--
31...	1045	5.0	125	--	27.0	--	5.8	--	--	--	--
31...	1050	1.0	125	6.8	27.0	6	6.0	6	1.9	22	0

DATE	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOL- VED- PHOS- PHORUS (P) (MG/L)	SUS- PENDEd SEDI- MENT (MG/L)
411G										
04...	.01	.13	.03	.26	.29	.42	1.9	.05	.00	--
04...	--	--	--	--	--	--	--	--	--	--
04...	.01	.14	.02	.25	.27	.41	1.8	.04	.00	--
04...	--	--	--	--	--	--	--	--	--	--
04...	.00	.15	.01	.21	.22	.37	1.6	.03	.00	--
04...	--	--	--	--	--	--	--	--	--	--
04...	--	--	--	--	--	--	--	--	--	--
04...	.01	.16	.03	.34	.37	.53	2.3	.04	.00	--
04...	--	--	--	--	--	--	--	--	--	16
31...	.00	.13	.01	.20	.21	.34	1.5	.05	.01	--
31...	--	--	--	--	--	--	--	--	--	--
31...	.00	.13	.01	.19	.20	.33	1.5	.05	.03	--
31...	--	--	--	--	--	--	--	--	--	--
31...	.00	.13	.01	.19	.20	.33	1.5	.04	.01	--
31...	--	--	--	--	--	--	--	--	--	--
31...	--	--	--	--	--	--	--	--	--	--
31...	.00	.13	.01	.22	.23	.36	1.6	.04	.01	--

03592890 YELLOW CREEK AT MILE ONE NEAR PINE FLAT, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- SIUM (MG)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	ALKA- LINITY AS CACO3 (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	VOL. NON- FILT- RABLE RESIDUE (MG/L)	TOTAL NITRATE (N) (MG/L)
AUG											
04...	17	2.9	61	0	50	10	4.6	106	0	0	.12
04...	--	--	--	--	--	--	--	--	--	--	--
04...	17	2.9	62	0	51	9.9	4.6	92	5	1	.13
04...	--	--	--	--	--	--	--	--	--	--	--
04...	17	2.9	60	0	49	10	4.6	88	0	0	.15
04...	--	--	--	--	--	--	--	--	--	--	--
04...	--	--	--	--	--	--	--	--	--	--	--
04...	17	2.9	60	0	49	9.9	4.6	96	0	0	.15
04...	--	--	--	--	--	--	--	--	--	--	--
31...	16	2.9	56	0	46	9.9	5.3	100	12	5	.13
31...	--	--	--	--	--	--	--	--	--	--	--
31...	15	2.9	53	0	43	9.9	5.4	109	4	0	.13
31...	--	--	--	--	--	--	--	--	--	--	--
31...	15	2.9	57	0	47	10	5.4	94	8	0	.13
31...	--	--	--	--	--	--	--	--	--	--	--
31...	--	--	--	--	--	--	--	--	--	--	--
31...	6.8	1.1	56	0	46	9.5	5.3	98	12	0	.13

LOWER MISSISSIPPI RIVER BASIN

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 1975. Monthly discharge only for some periods, published in WSP 1311.

Gage heights: October 1934 to September 1951 and October 1952 to September 1975 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) above mean sea level. 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.--42 years, (water years 1934-1975), 472,000 ft³/s (13,400 m³/s), 342,000,000 acre-ft/yr (422 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 -5.35 ft (-1.631 m) Jan. 24, 1956.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Apr. 9, 1913, reached a stage of 46.55 ft (14.188 m) at Beale St. gage or about 45.2 ft (13.78 m) at present site.

NOTE.--Records for 1976 water year will be published in a subsequent report.

07268000 LITTLE TALLAHATCHIE RIVER AT ETТА, MS

LOCATION.--Lat 34°29'00", long 89°13'30", in SE¼SW¼ sec.8, T.7 S., R.1 E., Chickasaw Meridian, Union County, Hydrologic Unit 08030201, on downstream side of left 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) above mean sea level (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 gage-height record, Oct. 1-28 and Nov. 8 to Feb. 23, which are poor.

AVERAGE DISCHARGE.--38 years, 845 ft³/s (23.93 m³/s), 21.82 in/yr (554 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.--Maximum recorded discharge, 11,200 ft³/s (317 m³/s) Mar. 27, gage height, 23.40 ft (7.132 m), but may have been higher during period of doubtful gage-height record Oct. 1-28, no peak above base of 16,000 ft³/s (953 m³/s); minimum, 28 ft³/s (0.53 m) Aug. 26, 27, 28, gage height, 8.20 ft (2.499 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1000	121	900	800	480	397	1340	190	163	117	112	34
2	600	114	750	2000	440	376	793	160	1650	82	84	383
3	350	105	680	7000	390	360	629	150	449	75	66	216
4	250	105	580	6100	350	350	548	140	288	90	56	65
5	200	121	500	5000	1000	800	473	130	519	154	53	73
6	160	1390	750	1200	2500	2500	440	130	227	114	163	51
7	140	2010	1400	680	6000	2400	397	140	165	82	129	43
8	130	1300	600	640	2700	3000	350	160	141	70	61	46
9	120	900	380	620	1700	4500	320	140	129	64	44	56
10	110	700	300	600	1100	6000	300	140	116	60	43	139
11	100	540	276	1200	740	2500	280	140	105	56	41	53
12	97	460	260	1300	520	1700	270	170	97	55	39	39
13	90	420	250	1400	400	1200	250	250	92	53	37	35
14	86	380	240	1600	371	900	240	350	92	79	39	33
15	80	350	230	1100	350	800	230	605	81	68	51	33
16	400	320	420	850	341	670	220	459	255	61	72	31
17	1200	310	350	700	350	555	210	350	264	54	47	30
18	5000	300	310	580	350	528	200	300	161	47	37	30
19	2000	300	290	520	1500	500	190	250	531	44	36	40
20	1100	350	260	470	7000	560	185	210	209	42	37	75
21	600	500	250	450	4000	4940	180	180	131	42	37	47
22	350	400	235	430	2400	1280	175	150	107	42	31	37
23	200	350	225	400	1300	681	230	130	100	41	30	32
24	150	320	220	390	784	557	350	120	100	40	30	30
25	135	300	800	1500	639	662	533	107	97	39	30	29
26	125	600	3000	3000	575	1440	350	127	108	50	29	30
27	120	2000	2000	1500	497	8810	300	163	159	47	28	58
28	110	1500	1500	1000	454	2800	250	326	762	46	64	161
29	250	1200	1100	800	429	2600	200	344	137	172	161	58
30	185	1000	850	650	---	3120	170	205	110	1140	47	65
31	141	---	900	550	---	3300	---	152	---	185	34	---
TOTAL	15579	18766	20806	45030	39660	60786	10603	6568	7545	3311	1768	2052
MEAN	503	626	671	1453	1368	1961	353	212	252	107	57.0	68.4
MAX	5000	2010	3000	7000	7000	8810	1340	605	1650	1140	163	383
MIN	80	105	220	390	341	350	170	107	81	39	28	29
CFSM	.96	1.19	1.28	2.76	2.60	3.73	.67	.40	.48	.20	.11	.13
IN.	1.10	1.33	1.47	3.18	2.80	4.30	.75	.46	.53	.23	.13	.15
CAL YR 1975 TOTAL	395755			1044	MAX 28000	MIN 62	CFSM 2.06	IN 27.99				
WTR YR 1976 TOTAL	232474			MEAN 635	MAX 8810	MIN 28	CFSM 1.21	IN 16.44				

YAZOO RIVER BASIN

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 at mean sea level (levels by Corps of Engineers). Prior to Oct. 1, 1958, at datum 219.43 ft (66.882 m) above mean sea level.

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 (85.771 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 (66.873 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, 800,400 acre-ft (987 hm³) May 1, elevation 265.35 ft (80.879 m); minimum, 111,500 acre-ft (137 hm³) Nov. 27, elevation, 236.32 ft (72.030 m).

Capacity table (elevation, in feet, and contents, in thousands of acre-feet)

235	97.6	255	462.2
240	157.1	260	612.5
245	235.8	265	787.2
250	336.2	270	988.2

CONTENTS, IN ACRE-FEET, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	547400	355300	300400	284400	406900	550100	715000	800000	758700	694400	601200	486000
2	540400	349700	298300	287600	406900	548300	726400	800400	756500	691600	599900	483400
3	533500	340600	296900	296500	406300	545900	736800	799900	755000	688500	598300	479800
4	525800	334900	295200	300900	405100	543100	750200	794500	753900	685400	595800	477500
5	518000	334600	292500	336700	403600	540100	761600	797800	753900	683300	592500	476100
6	510700	340500	288600	356200	403300	538300	769000	796600	753100	680900	589300	473900
7	503200	350300	285800	368000	408400	537700	774200	795500	751300	678500	586100	471100
8	496500	356000	283000	375000	418300	541300	777900	794700	749800	676100	583000	468300
9	492500	363800	280000	379900	432200	550100	780900	793600	748000	674000	579500	465800
10	492500	370400	277000	384500	438100	561900	783100	791000	746600	671300	576000	463300
11	487400	375700	273600	384000	439700	576900	784600	789500	744000	668600	571900	460600
12	481700	376000	269700	391800	440800	588400	785000	786800	741900	665800	567500	457000
13	474700	374000	265300	394300	440800	593500	786100	783800	738300	662800	563500	454000
14	467800	372100	261100	397000	440500	596700	787200	779800	735000	659400	559800	450500
15	459700	369700	256700	399500	439100	599600	788300	778600	731800	656000	555700	447000
16	452100	366500	253200	401300	438300	601800	789500	778300	728200	652600	550800	443500
17	447000	364100	249700	402300	437000	604700	791000	780100	726100	650600	546500	439700
18	442500	360900	246800	401800	436700	607600	791300	782400	723900	647200	542500	435900
19	439100	355700	244100	401600	446700	609900	792500	783800	722500	641800	538000	432400
20	434300	348700	243000	400300	473300	612200	792900	783800	721100	638200	533500	428800
21	429500	341500	243300	394000	498600	618100	793600	783100	718900	634500	529300	425300
22	424000	335100	244200	397300	513300	626000	794400	782700	717200	630900	525200	422500
23	417500	328200	244600	394800	527500	634900	794700	781200	715000	627300	520400	418800
24	411000	323400	245100	387800	540400	642500	795500	778600	712500	625000	516000	415400
25	403800	316600	246100	386500	548000	650200	796300	776400	710100	621400	511900	411500
26	398000	310400	249900	385300	550800	656700	797000	774200	708000	616400	508100	407600
27	390500	305300	255400	386500	551700	664800	797800	771600	704800	613200	504100	404100
28	383800	304900	265900	395300	550800	674700	798900	768300	702000	610600	500300	400300
29	376900	303600	274400	402600	550400	685000	799300	766400	699300	607600	496800	395300
30	370400	301500	279200	400800	---	693000	799700	763500	696800	604700	493400	389300
31	363400	---	281800	400300	---	691600	---	760500	---	602800	489900	---
MAX	547400	376000	300400	405300	551700	693000	799700	800400	758700	694400	601200	486000
MIN	363400	301500	243000	284400	403300	537700	715000	760500	696800	602800	489900	389300
(†)	250.92	248.37	247.50	252.92	258.03	262.80	265.34	264.24	262.45	259.66	255.90	252.05
(‡)	-191600	-56700	-17900	+123900	+143200	+157200	+92700	-41000	-63900	-93600	-114100	-102400
CAL YR 1975	MAX	1137900	MIN	243000	(†)	-102300						
WTR YR 1976	MAX	800400	MIN	243000	(†)	-164200						

† 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 gagehouse 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 September 1975. 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 at mean sea level (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) above mean sea level. Jan. 1, 1948, to Sept. 30, 1958, at present site and datum 219.43 ft (66.882 m) above mean sea level.

REMARKS.--Flow completely regulated by Sardis Lake (see station 07272000).

COOPERATION.--Records furnished by Corps of Engineers and reviewed by Geological Survey.

AVERAGE DISCHARGE.--35 years, 2,314 ft³/s (65.53 m³/s), 20.34 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 1975.--Maximum discharge, 5,480 ft³/s (155 m³/s) Mar. 3; minimum discharge, 15 ft³/s (0.42 m³/s) at times.

NOTE.--Records for 1976 water year will be published in a subsequent report.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5130	4970	4920	15	5280	5310	3200	627	15	4140	2500	4180
2	5110	4930	4920	15	5260	5300	3210	1200	893	4130	15	4240
3	5120	4890	4840	15	5250	5400	4350	1060	2620	4120	15	4260
4	5150	4200	4770	15	5240	5460	5370	631	2880	4110	15	4240
5	5130	2850	4690	15	5240	5430	5220	632	2880	4100	15	4230
6	5100	4440	4610	15	5240	5410	5130	632	2880	4100	817	4210
7	5140	4490	4540	1450	5260	4750	5120	632	2870	4090	2720	4200
8	5120	4900	4440	4730	5260	4220	5190	633	2870	4080	4040	3400
9	5120	4920	4440	4720	5270	4200	4080	634	2870	4070	4500	1550
10	5280	4880	4420	2130	5260	3990	3190	636	2870	4060	4490	1550
11	5430	4900	4400	15	5250	3290	4020	638	2870	938	4480	2390
12	5420	4920	4370	15	5230	2520	5410	639	2870	2640	4480	4250
13	5390	4970	4330	486	5240	15	5410	639	2870	4020	4460	4240
14	5360	1820	4290	1460	5280	15	5410	640	2870	4020	4450	4230
15	3160	1680	4260	2190	5260	15	5390	354	2870	4120	4440	4290
16	3160	4980	2920	2920	5230	15	5390	15	2860	4160	4430	4310
17	4890	4940	15	3610	5210	542	5370	15	2860	4150	4410	4290
18	5280	4970	1440	4000	5210	1690	5360	15	2860	4140	4400	4270
19	5260	5050	4420	3240	5220	2710	5340	15	2860	4120	4390	4260
20	5240	5170	4390	2710	5220	3960	5330	15	2850	4110	4380	4240
21	5240	5160	4330	2730	5230	4590	5290	15	2850	4100	4320	4220
22	5240	5180	4260	3550	5220	4770	5220	629	2850	4100	4290	4210
23	5200	5170	2930	4420	178	4770	5210	2540	3240	4090	4280	4270
24	5210	5130	15	5110	15	5030	5190	3040	4160	4250	4260	4290
25	5210	5090	15	5100	15	5190	5180	3040	4160	4340	4250	4270
26	5170	5130	15	5090	989	5140	4150	2440	4150	4330	3380	4250
27	5130	5170	15	5150	2770	5180	2680	15	4140	4330	1600	4230
28	5090	5200	15	5290	4430	5180	1160	204	4130	4320	1600	4210
29	3140	5170	15	5330	---	3760	625	664	4120	4310	2420	4190
30	3310	5070	15	5310	---	3120	626	286	4130	4300	4200	4170
31	5010	---	15	5290	---	3170	---	15	---	4290	4190	---
TOTAL	152940	140340	93105	86216	123757	114202	131821	23190	90218	124178	102237	119140
MEAN	4934	4678	3003	2781	4420	3684	4394	748	3007	4006	3298	3971
MAX	5430	5200	4920	5330	5280	5460	5410	3040	4160	4340	4500	4310
MIN	3140	1680	15	15	15	15	625	15	15	938	15	1550
(†)	-4157	-3007	+2051	+3101	+686	+6021	-1555	+3770	-1388	-2916	-1948	-3238
CAL YR 1974	TOTAL	1523300	MEAN	4173	MAX	6160	MIN	15	(†)	-473		
WTR YR 1975	TOTAL	1391344	MEAN	3565	MAX	5460	MIN	15	(†)	-200		

† Change in contents, equivalent in cubic feet per second, in Sardis Lake (see station 07272000).

YAZOO RIVER BASIN

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) above mean sea level. Prior to Jan. 1, 1972, at datum 5.00 ft (1.524 m) higher.

REMARKS.--Records fair.

AVERAGE DISCHARGE.--30 years, 384 ft³/s (10.87 m³/s), 19.90 in/yr (505 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), 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, 4,660 ft³/s (132 m³/s), Jan. 3, gage height, 20.39 ft (6.215 m); no peak above base of 8,000 ft³/s (227 m³/s); minimum, 17 ft³/s (0.48 m³/s) Aug. 25, gage height, 3.04 ft (0.927 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	236	68	428	320	183	219	1010	88	180	66	18	77
2	396	63	360	1400	163	200	813	80	187	57	19	302
3	175	61	306	4080	150	184	496	71	150	51	19	400
4	106	107	288	2480	152	169	352	63	93	73	18	293
5	89	150	232	1550	888	1220	284	63	73	100	18	82
6	81	1150	312	1050	2660	1230	249	62	64	145	19	27
7	76	1200	668	769	1540	839	222	64	57	197	20	52
8	73	1040	518	566	1140	1550	197	68	52	71	18	82
9	68	956	366	388	687	2460	169	62	49	51	18	91
10	65	776	276	306	456	1870	159	113	46	45	18	94
11	62	511	226	436	366	1090	150	109	43	41	18	76
12	59	345	190	533	302	800	142	82	40	40	19	47
13	57	242	166	588	260	610	135	65	38	39	18	41
14	55	184	146	692	222	456	130	839	37	40	18	38
15	55	148	146	478	211	376	128	440	35	38	19	34
16	83	134	222	356	205	338	119	284	325	36	21	40
17	813	122	177	268	236	284	108	187	236	35	21	39
18	621	119	144	219	3050	249	96	132	108	33	19	32
19	614	110	123	197	1700	236	90	103	95	32	18	31
20	345	148	115	180	930	239	88	88	78	31	18	33
21	163	207	113	172	2450	1030	86	80	63	31	18	29
22	126	163	108	159	1860	699	85	73	54	32	18	27
23	106	130	102	146	1270	661	81	67	47	31	18	26
24	93	119	101	140	878	372	88	66	44	29	18	25
25	103	110	569	1180	599	436	284	62	43	28	18	25
26	120	546	1310	1090	386	544	211	60	42	27	18	24
27	144	922	728	680	329	3380	134	66	107	34	18	30
28	116	621	588	424	276	1720	96	92	774	33	18	36
29	98	557	396	298	236	1350	82	148	197	21	20	53
30	84	496	345	255	---	1250	91	120	89	24	21	41
31	75	---	376	208	---	1480	---	80	---	22	19	---
TOTAL	5357	11505	10145	21608	23785	27541	6375	3977	3446	1533	578	2227
MEAN	173	384	327	697	820	888	213	128	115	49.5	18.6	74.2
MAX	813	1200	1310	4080	3050	3380	1010	839	774	197	21	400
MIN	55	61	101	140	150	169	81	60	35	21	18	24
CFSM	.66	1.47	1.25	2.66	3.13	3.39	.81	.49	.44	.19	.07	.28
IN.	.76	1.63	1.44	3.07	3.38	3.91	.91	.56	.49	.22	.08	.32

CAL YR 1975 TOTAL 187677 MEAN 514 MAX 10500 MIN 40 CFSM 1.96 IN 26.65
WTR YR 1976 TOTAL 118077 MEAN 323 MAX 4080 MIN 18 CFSM 1.23 IN 16.77

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 at mean sea level (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) above mean sea level.

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 (592,000 m³) Sept. 23 to Oct. 7, 1952; minimum elevation, 207.10 ft (63.124 m) Oct. 3-7, 1952.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 352,600 acre-ft (435 hm³) Apr. 25, elevation, 254.70 ft (77.633 m); minimum, 57,000 acre-ft (70.3 hm³) Nov. 25, elevation, 230.04 ft (70.116 m).

Capacity table (elevation, in feet, and contents, in thousands of acre-feet)

229	51.7	245	197.3
230	57.6	250	270.0
235	93.4	255	358.2
240	139.4		

CONTENTS, IN ACRE-FEET, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	175600	127200	105500	118800	218600	297600	344200	343600	292800	237500	186900	156900
2	174800	123700	105500	120200	219600	295200	346600	341700	291600	235300	185000	156000
3	173200	120000	104400	141900	220000	293000	348300	340100	290100	233300	183100	155800
4	171300	118200	103000	155300	220800	291300	349200	334000	288400	232100	181300	156200
5	169300	120400	101100	166100	221500	292100	350300	335100	286700	231000	179700	155400
6	167400	129800	99600	165300	233400	297400	350300	333300	284500	229100	178300	154600
7	167000	138000	100200	168500	240700	297700	351100	331800	282000	227400	177100	153300
8	167400	142000	99300	170500	245300	297600	351400	330700	279900	225800	175400	152200
9	166200	144600	94000	172500	249000	309400	351200	329600	278200	224200	173500	150800
10	164000	146600	96500	174400	250700	314500	350900	328200	275600	222700	173200	150700
11	161900	146500	96900	176200	252800	315600	350500	326700	273400	220700	173200	148400
12	159900	143500	97400	177500	253700	315400	351200	324000	271100	219000	173300	148200
13	157900	141400	97800	174500	254800	314700	351100	321100	269400	217100	173300	148400
14	155900	139900	98300	181800	255800	313500	351400	321800	267000	215300	173200	148400
15	153800	139000	98700	183700	256900	312100	351400	324700	264700	213600	173500	148500
16	152300	137300	99700	185100	258100	309200	351800	322900	265500	211700	173600	148600
17	151500	135300	100300	186600	259100	307800	351600	320600	265400	210200	173600	148800
18	151900	132400	100500	187600	268700	305400	351200	318300	263800	208600	173600	148800
19	151000	128800	100800	184600	281000	303400	351100	316300	262800	206800	173300	148900
20	150000	125100	101000	189400	285700	300800	351200	314400	260500	205200	173600	149500
21	148500	121700	101300	190000	289000	300700	350300	312200	258300	203500	172400	149800
22	146800	118900	101600	191000	302200	300700	350700	310100	255800	201700	171000	149900
23	145100	115600	101600	191800	305700	301500	350500	308700	253600	200200	169600	149900
24	143300	112000	101900	192600	306800	302600	350500	306100	251300	198400	169000	149900
25	141700	108500	102700	193500	306800	303400	351400	304000	248700	196900	166400	149900
26	140600	105300	107100	207400	305900	304100	351800	302000	246700	195200	164900	150000
27	139400	106700	110600	211700	304300	317000	351100	300000	244400	194500	163500	150100
28	137600	107000	112600	213600	301900	328000	350500	299500	242900	192800	161900	150400
29	135700	105600	115000	215000	299600	331500	347900	298300	241700	191300	160900	150200
30	134200	103600	115800	216300	---	335500	345600	296700	239800	189800	160100	150800
31	130700	---	117200	217500	---	340600	---	294700	---	188100	158600	---
MAX	175600	146600	117200	217500	306800	340600	351800	343600	292800	237500	186900	156900
MIN	130700	103600	96500	118800	218600	291300	344200	294700	239800	188100	158600	148200
(†)	238.88	236.37	237.85	246.56	251.69	254.19	254.28	251.42	247.94	244.21	241.71	241.10
(‡)	-47400	-23300	+13400	+100000	+80000	+44700	+1700	-51100	-55500	-50900	-29500	-6700

CAL YR 1975 MAX 497200 MIN 96500 (†) -68700
WTR YR 1976 MAX 351800 MIN 96500 (†) -24600

† Elevation, in feet, at 2400, on last day of month.

‡ Change in contents, in acre-feet.

YAZOO RIVER BASIN

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 September 1975. 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 at mean sea level. 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) above mean sea level; July 16, 1951, to Sept. 30, 1958, at datum 200.00 ft (60.960 m) above mean sea level.

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.--47 years, 863 ft³/s (24.44 m³/s), 20.93 in/yr (532 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 1975.--Maximum discharge, 2,480 ft³/s (70.2 m³/s) Apr. 3; minimum, 5.0 ft³/s (0.14 m³/s) at times.

NOTE.--Records for 1976 water year will be published in a subsequent report.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2120	2260	2150	201	2030	579	726	256	5.0	1760	958	1620
2	2120	2250	2120	202	2020	579	1520	624	606	1750	5.0	1370
3	2100	2240	2100	203	2030	579	2040	762	1600	1750	5.0	1300
4	2180	1940	811	203	2040	578	2480	462	1810	1750	5.0	1800
5	2170	1990	171	204	2050	438	2470	463	1810	1740	5.0	2080
6	2160	2220	172	344	2050	158	2470	463	1800	1740	451	2080
7	2160	2220	172	665	2050	158	2460	463	1800	1740	1290	2080
8	1860	2210	173	664	2050	158	2460	464	1800	1740	1700	2060
9	1590	2200	174	664	2050	158	2140	464	1800	1730	1700	2060
10	2140	2190	174	419	2040	159	1890	466	1800	1730	1700	2060
11	2130	2170	174	5.0	2040	159	2100	466	1800	1730	1700	2040
12	2120	2160	175	5.0	2030	161	2440	467	1800	906	1700	2040
13	2120	2320	175	5.0	2030	58	2430	705	1800	5.0	1700	2040
14	2110	2410	176	170	2020	5.0	2430	1210	1800	700	1680	2020
15	1760	2400	177	714	2020	5.0	2430	686	1800	1760	1680	2020
16	1630	2380	178	1100	1820	5.0	2430	182	1800	1750	1680	2020
17	1940	2010	179	1100	1730	5.0	2420	182	1800	1750	1680	2000
18	2090	1510	179	1100	1730	397	2420	182	1790	1750	1680	2000
19	2090	2350	179	1100	1740	1060	2420	182	1790	1750	1680	2000
20	2080	2330	179	1110	1740	1820	2410	486	1790	1740	1660	1980
21	2070	2320	179	1110	1740	2180	1990	1550	1790	1740	1660	1980
22	2060	2310	179	1110	1740	2170	1550	1840	1780	1740	1660	1980
23	2060	2290	180	1180	679	2170	2240	1830	1780	1730	1660	1960
24	2050	2270	181	1310	5.0	2170	2230	1830	1780	1730	1660	1960
25	2140	2260	183	1310	5.0	2180	2230	1830	1770	1730	1660	1960
26	2300	2240	185	1310	5.0	2180	2220	1830	1770	1730	1640	1940
27	2290	2220	186	1570	264	2180	1500	1830	1770	1720	1640	1940
28	2280	2200	189	2050	578	2160	549	1830	1770	1720	1640	1940
29	1260	2190	162	2040	---	212	255	1830	1760	1720	1640	1480
30	1530	2170	196	2040	---	5.0	255	808	1760	1710	1640	1200
31	2270	---	199	2030	---	5.0	---	5.0	---	1710	1640	---
TOTAL	62980	66230	12037	27238.0	44326.0	24831.0	59605	26648.0	50531.0	50251.0	42799.0	57010
MEAN	2032	2208	388	875	1583	801	1987	860	1684	1621	1381	1900
MAX	2300	2410	2150	2050	2050	2180	2480	1840	1810	1760	1700	2080
MIN	1260	1510	171	5.0	5.0	5.0	255	5.0	5.0	5.0	5.0	1200
(±)	-1885	-1768	+1669	+799	+371	+3845	-820	+472	-998	-1288	-1014	-1625

CAL YR 1974 TOTAL 559751.0 MEAN 1534 MAX 3300 MIN 5.0 (±) -53.5

WTR YR 1975 TOTAL 524486.0 MEAN 1437 MAX 2480 MIN 5.0 (±) -179

± 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 at mean sea level (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) above mean sea level.

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 (38.8 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 gages. 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, 165,900 acre-ft (205 hm³) Mar. 14, elevation 223.14 ft (68.013 m); minimum, 31,100 acre-ft (38.3 hm³) Nov. 25, elevation, 209.20 ft (63.764 m).

Capacity table (elevation, in feet, and contents, in thousands of acre-feet)

209	30.1	220	122.3
210	35.3	222	190.0
215	69.8	225	195.9
218	98.9		

CONTENTS, IN ACRE-FEET, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	120200	69900	103500	56400	55500	113200	109600	82500	66900	91600	87600	77600
2	118600	68000	112400	53100	55400	107900	106500	79300	68100	91600	87400	78100
3	116600	66600	115200	62300	54900	102500	100800	75400	68900	91600	87100	78300
4	114600	65700	114200	71900	54500	97600	94600	72400	69300	91500	87100	79400
5	112700	67600	111400	76700	53900	95000	88400	68800	69800	92000	87000	85400
6	110400	71100	110200	74600	64500	101500	81100	65600	70300	92000	87100	87200
7	109200	84900	109400	76900	76600	103900	73500	63700	70700	91900	87300	88000
8	107300	96600	104700	74300	80900	105100	65900	61000	70800	91800	87700	88700
9	105600	102800	105300	74100	82400	128700	61500	54100	70900	91600	86600	88800
10	104900	109500	104500	75300	80300	152900	59200	55500	71000	91400	87500	89300
11	103800	113700	100500	72200	77100	157600	56500	54100	71000	91200	87300	89400
12	102300	117400	95900	70200	73400	160300	54500	53400	71000	90800	87000	89200
13	100200	119100	91100	64100	69100	164300	53600	52700	70900	90500	86900	89000
14	98500	121100	87400	65700	64700	165900	53300	52200	70800	90400	86600	85500
15	96500	121900	83700	62900	60700	165400	52800	51900	70700	90300	86200	82900
16	94900	122800	81600	59200	56600	159200	52300	52000	70900	90000	86000	81000
17	93800	123300	80200	55500	52300	153200	51700	52100	71100	89800	85800	79100
18	92000	121900	76200	51500	58000	145800	51100	52100	71600	89600	84900	77100
19	90600	117400	72100	47400	54300	138600	50400	53000	74600	89200	83900	75600
20	88700	113400	67600	42700	55800	130900	49800	54000	76300	88900	83100	73800
21	87000	109000	63500	34100	49100	126500	49300	54600	77300	89100	82100	72400
22	85300	105200	59800	37500	123300	124700	48300	54700	78100	88900	81200	71100
23	83700	101100	55100	37700	128400	119600	48300	55000	78900	88600	80300	69500
24	82000	97400	50700	37800	131100	112400	47700	55200	79900	88300	80000	68100
25	80800	93500	46100	34600	131100	106100	59200	56100	82600	87900	79700	65500
26	79800	90100	50700	43200	128800	106600	41700	56600	86900	87600	79300	62700
27	78500	92600	57800	44900	125400	105500	46700	57100	87900	87300	79000	59400
28	77000	94300	62500	52600	121200	107200	46800	58100	88600	87000	78700	58700
29	75400	93700	64500	54200	117200	104000	46400	59000	90700	86700	78600	56200
30	73900	92900	62700	55200	---	108400	45300	63200	91300	87500	78200	53800
31	72100	---	59600	55800	---	110000	---	65600	---	87600	77900	---
MAX	120200	123300	115200	78600	131100	165900	109600	82500	91300	92000	87700	89400
MIN	72100	65700	46100	37500	52300	95000	47700	51900	66900	86700	77900	53800
(†)	215.10	218.05	213.45	213.30	219.36	218.97	216.40	214.59	217.30	216.92	215.89	212.70
(‡)	-50200	+28800	-42000	-1100	+58100	-4700	-27300	-16100	+25100	-3900	-9900	-25600

CAL YR 1975 MAX 374800 MIN 46100 (†) - 59,400
WTR YR 1976 MAX 165900 MIN 37500 (‡) - 68,800

† Elevation, in feet, at 2400, on last day 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 September 1975. 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 at mean sea level (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) above mean sea level. 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) above mean sea level. Jan. 1, 1948, to Sept. 30, 1958, at present datum 191.18 ft (58.272 m) above mean sea level.

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.--37 years, 1,322 ft³/s (37.44 m³/s), 17.95 in/yr (456 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 1975.--Maximum discharge, 4,950 ft³/s (140 m³/s) Apr. 7; minimum, 5.0 ft³/s (0.14 m³/s) at times.

NOTE.--Records for 1976 water year will be published in a subsequent report.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1610	5.0	1180	1700	3990	3960	1500	200	5.0	1110	1210	1460
2	1560	5.0	1150	1540	4080	3870	4240	1030	567	1110	1210	498
3	1520	5.0	1120	2410	4180	3890	4720	2090	1760	1010	1210	5.0
4	1690	5.0	1090	2400	4220	3990	4640	2520	1970	940	1210	5.0
5	1740	5.0	1060	2370	4290	3880	4550	2520	1970	939	1210	5.0
6	1700	5.0	1030	2320	4300	3780	4470	2520	1960	939	1380	5.0
7	1640	5.0	1000	2270	4310	3870	4700	2510	1960	940	1760	5.0
8	1590	5.0	976	2210	4260	3930	4830	2510	1960	940	1760	5.0
9	1540	5.0	953	2170	4180	3820	4770	2510	1960	939	1740	5.0
10	1730	5.0	927	746	4100	4020	4800	2510	1950	938	1740	5.0
11	1770	5.0	913	5.0	4000	4100	4720	2500	1950	939	1740	5.0
12	1710	353	901	5.0	3400	1650	4640	2500	1950	801	1720	5.0
13	1650	529	892	346	3980	5.0	4530	2500	1940	524	1720	5.0
14	1580	526	877	1190	4030	5.0	4440	2490	1940	524	1700	5.0
15	1660	526	886	1360	4040	5.0	4360	1500	1930	752	1700	5.0
16	1780	525	907	1740	3320	5.0	4290	5.0	1930	1240	1680	5.0
17	1720	524	910	2240	1620	515	4200	5.0	1920	1130	1680	5.0
18	1650	524	906	2550	1710	2180	4250	5.0	1920	914	1680	5.0
19	1590	526	893	2550	1740	4280	4550	5.0	1920	914	1660	5.0
20	1530	549	1190	2640	2670	4520	4450	352	1910	913	1660	5.0
21	1040	561	1430	2650	3980	4440	4380	1670	1900	912	1640	5.0
22	410	814	1390	3240	4010	4360	4550	1980	1900	910	1640	5.0
23	115	993	1340	3730	1500	4290	4550	1970	1500	910	1620	5.0
24	83	992	763	3500	5.0	4230	4440	1970	926	911	1600	5.0
25	5.0	1200	741	3920	5.0	4150	4550	1950	925	1090	1600	5.0
26	5.0	1360	1040	3940	442	4380	3480	1960	925	1230	1580	5.0
27	5.0	1320	1170	3840	2550	4450	2110	1960	922	1220	1560	5.0
28	5.0	1300	1360	3920	4040	4350	653	1960	921	1220	1540	5.0
29	5.0	1260	1500	4050	---	1350	196	1960	919	1220	1520	624
30	5.0	1240	1610	3550	---	5.0	198	832	1000	1220	1500	1020
31	5.0	---	1670	3540	---	5.0	---	5.0	---	1210	1480	---
TOTAL	34643.0	15685.0	33775	76512.0	90352.0	92285.0	116757	51009.0	47300.0	30509	48650	3732.0
MEAN	1118	523	1090	2468	3227	2977	3892	1645	1577	984	1569	124
MAX	1780	1360	1670	4050	4310	4520	4830	2520	1970	1240	1760	1460
MIN	5.0	5.0	741	5.0	5.0	5.0	196	5.0	5.0	524	1210	5.0
(†)	-990	+227	-828	+45.5	+1558	+2700	-2287	+1018	-1217	-522	-1329	+141

CAL YR 1974 TOTAL 597332.0 MEAN 1637 MAX 5180 MIN 5.0 (†) +15.6
WTR YR 1975 TOTAL 541209.0 MEAN 1757 MAX 4830 MIN 5.0 (†) +10.4

† Change in contents, equivalent in cubic feet per second, in Arkabutla Lake (see station 07278000).

YAZOO RIVER BASIN

07280000 TALLAHATCHIE RIVER NEAR LAMBERT, MS

LOCATION.--Lat 34°10'50", long 90°12'55", in NE&SW¹/₄ 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 September 1974. 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) above mean sea level (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 25 discharge measurements and records of daily discharge furnished by Corps of Engineers; records reviewed by Geological Survey.

AVERAGE DISCHARGE.--40 years, 2,704 ft³/s (76.58 m³/s), 18.55 in/yr (471 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 1975.--Maximum discharge, 12,300 ft³/s (348 m³/s) Mar. 15, gage height, 31.49 ft (9.598 m); minimum, 98 ft³/s (2.78 m³/s) Nov. 15.

NOTE.--Records for 1976 water year will be published in a subsequent report.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1960	240	2070	6820	5980	7610	7040	6410	5180	1570	2240	1000
2	1870	270	1960	6010	7010	7180	6640	6140	3810	1580	3000	1100
3	1770	310	1840	5280	7850	6760	6520	6090	2890	1590	1900	1010
4	1660	310	1740	5340	8460	6450	6490	6750	2800	1560	5100	685
5	1660	1050	1430	4710	8930	6230	6410	6930	2820	1550	5690	487
6	1770	810	1280	4040	9100	6060	6350	6700	2810	1510	4180	530
7	1870	420	1040	3510	8920	5850	6300	6410	2830	1490	2320	531
8	1870	330	940	3130	8740	5680	6260	6280	2820	1610	2050	388
9	1850	330	750	2910	8310	5570	6700	6050	2760	1640	2210	335
10	1850	330	600	6610	7900	5510	7490	5900	5850	1630	2370	225
11	1860	765	540	8080	7430	6700	7600	5680	3310	2040	2400	118
12	1860	1700	1200	8600	7040	8250	7400	6020	3810	2350	2400	110
13	1870	1690	1150	7980	6710	11700	7110	5810	3620	2000	2310	235
14	1970	1550	800	7010	6490	12200	7000	5490	3490	1580	2280	312
15	1980	1650	1750	6300	6280	12300	6860	7020	3310	1300	2240	387
16	2000	1250	4050	5640	7800	11900	6720	7550	3170	1500	2240	400
17	1990	800	3950	5220	9240	11500	6540	7300	3000	1650	2290	405
18	1960	1100	2860	5110	9320	11100	6440	6110	2820	1710	2390	425
19	1950	1150	1000	5580	9000	10600	6400	5050	2650	1720	2320	447
20	1940	3230	700	7270	7270	10200	6350	4000	2530	1700	2260	456
21	1920	3440	1730	7030	7000	9810	6300	2930	2440	1740	2240	478
22	1830	3020	2050	5760	6910	9420	6250	2860	2430	1750	2110	405
23	1300	2810	2150	5450	9350	9030	6200	2750	2480	1760	2000	382
24	900	2670	2670	5320	9610	8630	6160	2680	2390	1750	1900	337
25	700	2550	4960	5200	9770	8250	6100	2600	1960	1950	1760	320
26	540	2450	5920	5070	9380	7830	6130	2850	1610	2190	1660	317
27	380	2500	5560	4940	8480	7420	6170	5890	1520	2990	1400	316
28	380	2410	5460	4830	8030	7030	6130	6090	1500	2810	1050	315
29	550	2300	6580	4720	---	7500	6100	7010	1510	2600	815	312
30	1020	2200	6850	4610	---	8000	6170	8240	1570	2310	621	300
31	420	---	6780	4510	---	7900	---	7870	---	2010	813	---
TOTAL	47450	45635	83360	172630	226310	260170	196330	175460	85690	57140	70559	13068
MEAN	1531	1521	2689	5569	8083	8393	6544	5660	2856	1843	2276	436
MAX	2000	3440	6850	8600	9770	12300	7600	8240	5850	2990	5690	1100
MIN	380	240	540	2910	5980	5510	6100	2600	1500	1300	621	110

CAL YR 1974 TOTAL 1535901 MEAN 4208 MAX 12900 MIN 240 (†)+15.6
WTR YR 1975 TOTAL 1433802 MEAN 3928 MAX 12300 MIN 110 (†)+10.4

† 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).

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.

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, 1.0 ft³/s (0.028 m³/s) Aug. 25, 1976.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 2,000 ft³/s (57 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)
Nov. 6	0715	2,750 77.8	16.22 4.944	Feb. 5	2330	2,130 60.3	15.73 4.795
Jan. 2	1800	*3,150 89.2	16.47 5.020	Mar. 8	1645	2,180 61.7	15.77 4.807
Jan. 25	1715	2,100 59.5	15.70 4.785				

Minimum daily discharge, 1.0 ft³/s (0.028 m³/s) Aug. 25.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	171	5.6	44	7.8	19	24	41	9.9	14	4.8	3.7	1.5
2	14	5.6	22	1300	17	24	27	8.0	12	4.2	2.7	2.2
3	7.3	5.8	16	800	16	24	22	6.7	8.8	4.2	2.2	30
4	6.1	133	14	75	16	24	20	5.9	7.5	6.9	2.7	4.0
5	5.2	90	13	50	365	347	17	5.3	6.7	5.9	3.1	2.9
6	5.2	1020	81	43	642	97	16	6.4	6.4	4.5	4.2	2.2
7	5.2	94	35	45	58	46	15	6.9	5.6	4.0	2.9	2.9
8	5.2	33	19	34	37	540	14	6.1	5.3	3.7	2.9	40
9	5.1	25	16	28	27	230	12	5.3	5.1	3.7	2.9	6.4
10	4.7	26	13	26	25	83	12	5.1	4.8	3.7	3.3	3.3
11	4.7	19	13	47	22	47	12	7.5	4.5	3.5	2.9	2.2
12	4.7	16	13	35	20	116	12	5.9	4.2	3.3	2.7	1.8
13	4.7	13	12	42	19	48	12	5.9	4.2	4.2	2.9	1.6
14	4.6	11	11	41	18	36	12	153	3.7	3.3	6.7	1.6
15	4.7	11	15	25	20	37	11	27	3.5	3.3	2.9	1.6
16	8.0	11	19	24	17	38	9.9	18	66	7.8	1.5	1.6
17	44	10	13	19	77	27	9.1	13	15	12	1.4	1.8
18	9.1	9.6	11	17	786	25	8.6	11	26	4.0	1.1	1.6
19	6.5	9.8	9.3	17	70	24	8.3	9.4	20	3.1	1.2	2.0
20	6.0	18	9.8	18	37	24	8.3	9.1	9.7	2.7	1.2	3.7
21	5.8	14	9.1	17	493	48	9.7	8.3	7.5	2.4	1.2	2.2
22	5.6	11	8.6	16	170	24	10	7.5	6.4	2.4	1.1	1.5
23	5.8	10	8.6	17	80	20	8.0	7.2	5.9	2.2	1.1	1.4
24	5.6	10	8.4	20	45	19	39	7.2	5.6	2.0	1.1	1.2
25	12	9.8	114	695	35	20	84	7.5	4.8	4.2	1.0	1.2
26	21	164	55	143	31	38	15	7.2	4.8	5.3	1.1	1.4
27	8.0	69	16	48	29	265	11	12	19	2.9	1.1	1.5
28	6.7	23	11	31	27	43	8.8	44	27	2.2	5.6	1.5
29	6.1	17	9.8	25	26	41	7.8	22	6.9	2.2	5.9	2.2
30	5.8	110	11	22	---	63	8.8	12	5.6	6.7	3.1	2.0
31	5.8	---	11	21	---	157	---	8.6	---	4.0	1.6	---
TOTAL	414.2	2004.2	661.6	3748.8	3244	2599	501.3	468.9	326.5	129.3	79.0	131.0
MEAN	13.4	66.8	21.3	121	112	83.8	16.7	15.1	10.9	4.17	2.55	4.37
MAX	171	1020	114	1300	786	540	84	153	66	12	6.7	40
MIN	4.6	5.6	8.4	7.8	16	19	7.8	5.1	3.5	2.0	1.0	1.2

CAL YR 1975	TOTAL	29196.8	MEAN	80.0	MAX	4160	MIN	2.1	CFSM	2.15	IN	29.28
WTR YR 1976	TOTAL	14307.8	MEAN	39.1	MAX	1300	MIN	1.0	CFSM	1.05	IN	14.35

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).

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 prior to Nov. 18 and fair thereafter.

EXTREMES FOR CURRENT PERIOD.--July to September 1975: Maximum discharge during period, 1,510 ft³/s (42.8 m³/s) Aug. 1, gage height, 8.73 ft (2.661 m), only peak above base of 1,200 ft³/s (34 m³/s), minimum daily discharge, 3.5 ft³/s (0.099 m³/s) Sept. 29.

Water year 1976: Peak discharges above base of 1,200 ft³/s (34 m³/s) and maximum (*), from rating curve extended above 1,800 ft³/s (51 m³/s) on basis of logarithmic plotting:

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)
Nov. 6	---	2,800 79.3	Unknown	Feb. 18	1045	1,670 47.3	9.19 2.801
Jan. 2	2330	*3,980 113	13.96 4.255	Feb. 21	1300	1,710 48.4	9.33 2.844
Feb. 6	0315	2,700 76.5	11.59 3.533	Mar. 8	2330	2,350 66.6	10.90 3.322

Minimum daily discharge, 2.9 ft³/s (.082 M³/s) Aug. 21.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	250	7.0	188	25	21	20	68	11	10	8.3	5.0	3.5
2	40	7.0	67	1760	19	19	40	10	15	6.1	4.0	3.6
3	10	8.0	40	1450	18	18	30	8.7	13	6.1	3.8	4.2
4	8.0	180	28	153	17	18	24	7.6	12	8.3	3.7	5.5
5	7.0	130	22	89	710	863	22	7.2	8.3	9.4	3.7	4.3
6	6.5	1500	250	71	1410	166	20	7.6	6.8	6.8	5.0	4.0
7	6.5	60	145	67	122	72	18	7.2	5.5	5.7	4.7	3.8
8	6.2	35	61	59	81	939	17	7.2	5.4	5.2	3.9	124
9	6.2	25	40	44	54	939	16	6.8	5.2	5.0	3.7	21
10	6.1	25	24	32	40	122	15	6.8	5.0	4.5	3.5	11
11	6.0	20	22	58	33	76	14	10	4.7	4.5	3.4	6.4
12	6.0	17	18	66	28	160	15	11	4.5	4.3	3.4	5.0
13	5.8	15	16	52	26	67	15	9.4	4.5	4.3	3.4	4.0
14	5.8	14	15	66	23	44	15	93	4.3	4.2	3.4	3.7
15	5.8	13	16	35	21	40	14	32	4.2	4.2	3.4	3.7
16	15	13	34	30	20	46	13	17	65	6.1	3.4	3.7
17	60	12	21	24	29	33	12	13	21	164	3.3	3.7
18	12	12	15	19	1190	28	11	9.9	29	18	3.3	3.7
19	8.0	11	13	18	188	27	11	7.9	49	9.4	3.2	3.8
20	7.5	12	12	17	89	27	10	7.2	12	6.4	3.0	3.9
21	7.0	21	12	17	1050	76	9.9	6.4	8.3	5.2	2.9	4.0
22	7.0	14	12	17	240	35	9.4	6.1	7.2	4.7	3.1	3.7
23	7.0	14	11	17	89	27	9.0	6.1	6.8	4.3	3.2	3.7
24	6.8	14	11	17	55	24	12	6.1	6.1	4.2	3.1	3.6
25	15	12	188	369	41	24	42	6.4	6.1	5.7	3.1	3.5
26	30	233	230	276	34	35	14	6.1	5.7	7.9	3.2	3.5
27	10	306	67	60	28	276	11	8.7	6.8	14	3.3	3.6
28	9.0	62	40	38	24	65	9.4	58	176	4.5	5.4	4.5
29	8.0	36	30	31	22	50	7.2	39	19	3.9	4.3	4.5
30	7.5	278	37	26	---	85	8.3	14	11	4.3	4.0	5.4
31	7.0	---	37	23	---	230	---	9.0	---	3.9	3.7	---
TOTAL	592.7	3106.0	1726	5026	5722	4651	532.2	456.4	537.4	353.4	113.5	266.5
MEAN	19.1	104	55.7	162	197	150	17.7	14.7	17.9	11.4	3.66	8.88
MAX	250	1500	250	1760	1410	939	68	93	176	164	5.4	124
MIN	5.8	7.0	11	17	17	18	7.2	6.1	4.2	3.9	2.9	3.5
CFSM	.35	1.93	1.03	3.01	3.65	2.78	.33	.27	.33	.21	.07	.16
IN.	.41	2.14	1.19	3.47	3.95	3.21	.37	.31	.37	.24	.08	.18

WTR YR 1976 TOTAL 23083.1 MEAN 63.1 MAX 1760 MIN 2.9 CFSM 1.17 IN 15.93

YAZOO RIVER BASIN

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 September 1975. 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) above mean sea level. 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 and records of daily discharge furnished by Corps of Engineers; records reviewed by Geological Survey.

AVERAGE DISCHARGE.--37 years (1938-75), 7,545 ft³/s (213.7 m³/s), 19.97 in/yr (507 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 1975: Maximum discharge, 23,000 ft³/s (651 m³/s) Mar. 18, gage height, 29.27 ft (8.922 m); minimum, 4,220 ft³/s (120 m³/s) Oct. 11.

NOTE.--Records for 1976 water year will be published in a subsequent report.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9400	8010	9360	13000	12700	18400	21200	13100	10500	7520	8880	7310
2	9330	7890	9290	12900	13600	17700	20300	12800	10100	7520	9300	7420
3	9300	7830	9210	12400	14500	17000	19200	12700	9030	7570	9000	7500
4	9250	7900	9110	12000	15200	16400	18100	12800	8690	7630	8580	7210
5	9200	8330	8980	11300	16000	15800	17200	12900	8600	7590	9000	6940
6	9200	8450	8720	10700	16600	15300	16700	12900	8570	7500	8570	7020
7	9190	8290	8480	10100	17300	14800	16200	12800	8550	7360	7760	7080
8	9180	8120	8140	9570	17700	14200	15900	12700	8430	7580	7630	6910
9	9170	8010	7770	9200	17900	13800	15800	12500	8600	7810	8050	6640
10	9130	7950	7270	10400	18000	13400	16000	12200	9220	7980	8440	5940
11	9090	8260	6970	11600	17900	13300	16100	11900	9490	8280	8610	5510
12	9050	8490	7090	12300	17700	13300	16200	11700	9700	8580	8660	5000
13	9050	8630	7070	12900	17500	14900	16200	11600	9790	8230	8620	5650
14	9050	8690	6820	13200	17200	18600	16100	11500	9800	7330	8590	6480
15	9200	8630	7290	13300	17000	21200	16000	12200	9700	7010	8540	6630
16	9340	8300	8020	13200	17600	22700	16000	12900	9550	7380	8510	6720
17	9360	8010	8250	13000	17900	22900	15900	13200	9350	7600	8560	6800
18	9290	7960	7490	12700	18400	22900	15600	13300	9140	7740	8600	6870
19	9210	8000	5840	13000	18700	21900	15300	13200	8950	7820	8600	6890
20	9160	8340	5680	13400	18900	21100	15000	12100	8760	7870	8580	6940
21	9080	8810	6280	13600	18900	20300	14700	11200	8580	7940	8520	6960
22	9050	9090	6500	13800	18800	19700	14400	10300	8520	8000	8470	6900
23	8990	9230	6620	13900	19300	19400	14100	9680	8440	8050	8420	6860
24	8940	9360	7470	13700	20400	19100	13800	9240	8310	8130	8400	6830
25	8700	9480	8780	13400	20900	18800	13700	9000	8180	8270	8370	6820
26	8520	9500	8690	13100	21100	18300	13600	8950	8100	8440	8340	6820
27	8350	9510	9940	12900	20900	17800	13500	9190	7930	8600	8210	6820
28	8220	9490	10600	12700	19300	17400	13400	9490	7780	8680	7750	6810
29	8380	9470	11200	12600	---	18600	13300	9910	7550	8720	7040	6760
30	8480	9410	12100	12500	---	19800	13200	10200	7600	8640	6570	6710
31	8280	---	12800	12400	---	21100	---	10400	---	8620	6850	---
TOTAL	279140	257440	257830	384770	497900	559900	472700	358560	265510	245990	258020	201750
MEAN	9005	8581	8317	12410	17780	18060	15760	11570	8850	7935	8323	6725
MAX	9400	9510	12800	13900	21100	22900	21200	13300	10500	8720	9300	7500
MIN	8220	7830	5680	9200	12700	13300	13200	8950	7550	7010	6570	5000
CAL YR 1974 TOTAL	4588930	MEAN	12570	MAX	28000	MIN	4720	(+)	+511			
WTR YR 1975 TOTAL	4039510	MEAN	11070	MAX	22900	MIN	5000	(+)	-369			

† Change in contents, equivalent in cubic feet per second, in Sardis, Enid, and Arkabutla Lakes (see stations 07272000, 072724500, and 07278000).

07282000 YALOBUSHA RIVER AT CALHOUN CITY, MS

LOCATION.--Lat 33°50'20", long 89°18'55", in SE4SE4 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).

GAGE.--Water-stage recorder, and nonrecording gage read once daily. Datum of gage is 226.06 ft (68.903 m) above mean sea level (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. 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.--26 years, 395 ft³/s (11.19 m³/s), 17.59 in/yr (447 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)
Oct. 17	1330	21,500 609	19.83 6.044	Mar. 9	0045	---	18.45 5.624
Feb. 6	0315	15,500 439	*20.59 6.276	Mar. 21	0200	*22,200 629	20.00 6.114
Mar. 8	2200	18,100 513	---	Mar. 27	0415	14,000 396	19.71 6.008

Minimum daily discharge, 1.8 ft³/s (0.051 m³/s) Aug. 21.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1560	47	877	396	147	179	1700	30	38	17	12	911
2	582	43	370	849	130	165	639	29	55	18	9.1	454
3	114	40	220	5550	115	155	336	26	52	17	6.6	295
4	83	52	163	1930	105	148	241	23	48	615	4.6	413
5	52	88	130	855	1090	3570	191	21	82	398	4.9	53
6	40	1760	817	447	9450	3130	155	20	37	44	6.3	33
7	36	2210	1270	648	2240	1090	136	27	28	24	5.3	20
8	35	488	440	691	984	3540	109	31	24	18	5.0	1280
9	32	444	262	369	415	6230	99	23	26	15	4.2	642
10	26	380	181	262	281	1460	95	48	24	13	4.4	149
11	22	226	142	601	231	621	88	3060	23	11	4.6	52
12	21	831	110	877	203	492	79	245	21	11	5.0	33
13	22	422	105	532	180	579	78	611	27	8.4	5.6	25
14	19	184	102	488	158	281	81	2610	24	18	5.2	21
15	19	145	96	262	148	1690	73	1180	23	37	5.0	20
16	939	113	202	218	135	2170	59	504	69	20	4.4	20
17	11700	92	151	166	129	646	55	244	57	37	4.1	17
18	1800	84	118	135	5460	303	46	117	47	16	3.5	16
19	745	79	105	119	2270	202	39	84	44	11	3.1	17
20	242	123	98	122	912	1040	35	60	36	8.8	2.4	24
21	131	141	91	115	2500	9720	35	52	28	5.9	1.8	18
22	96	127	87	107	1930	1650	34	46	25	8.2	2.5	17
23	84	116	79	103	716	648	32	42	22	8.8	2.8	15
24	74	108	75	95	364	315	29	40	21	8.2	3.6	12
25	74	99	1770	2010	283	268	35	42	23	7.4	2.9	9.1
26	274	448	3110	3700	248	656	34	35	22	7.9	220	6.5
27	154	1260	1100	1110	224	7650	30	41	22	6.9	44	11
28	98	423	424	468	208	1770	29	53	26	5.9	16	18
29	79	222	343	267	197	1540	27	99	21	5.5	25	19
30	65	632	471	202	---	3020	30	57	19	5.2	250	17
31	52	---	567	165	---	6460	---	40	---	5.2	30	---
TOTAL	19270	11427	14076	23859	31453	61428	4649	9540	1014	1432.3	703.9	4637.6
MEAN	622	381	454	770	1085	1982	155	308	33.8	46.2	22.7	155
MAX	11700	2210	3110	5550	9450	9720	1700	3060	82	615	250	1280
MIN	19	40	75	95	105	148	27	20	19	5.2	1.8	6.5
CFSM	2.04	1.25	1.49	2.52	3.56	6.50	.51	1.01	.11	.15	.07	.51
IN.	2.35	1.39	1.72	2.91	3.84	7.49	.57	1.16	.12	.17	.09	.57

CAL YR 1975	TOTAL	256613.1	MEAN 703	MAX 31500	MIN 8.2	CFSM 2.30	IN 31.30
WTR YR 1976	TOTAL	183489.8	MEAN 501	MAX 11700	MIN 1.8	CFSM 1.64	IN 22.38

YAZOO RIVER BASIN

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) above mean sea level (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 fair.

AVERAGE DISCHARGE.--29 years, 366 ft³/s (10.37 m³/s), 19.57 in/yr (497 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)
Oct. 17	0645	*10,200 289	18.89 5.758	Mar. 9	0200	7,300 207	16.90 5.151
Nov. 6	0700	6,120 173	15.93 4.855	Mar. 21	0500	8,850 251	18.00 5.486
Feb. 6	---	7,260 206	16.87 5.142	Mar. 27	0600	9,780 277	18.62 5.675
Feb. 21	1900	5,080 144	14.98 4.566	Mar. 29	2230	5,330 151	15.21 4.636
Mar. 5	1700	6,840 194	16.53 5.038				

a From floodmark.

Minimum daily discharge, 10 ft³/s (0.28 m³/s) Aug. 9-10, 14, 20-21.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	464	79	270	271	230	46	584	47	32	19	15	59
2	319	70	480	834	200	82	310	44	251	17	14	431
3	84	64	230	1050	170	77	225	40	82	16	13	63
4	53	63	150	990	156	73	185	36	40	17	12	343
5	43	84	119	470	140	2970	154	35	72	22	12	52
6	40	4680	952	335	5000	1820	131	32	44	19	12	28
7	39	3100	940	401	2700	407	119	31	29	18	12	21
8	38	547	299	535	1500	946	106	32	24	16	11	92
9	35	709	176	258	900	4110	95	30	23	16	10	106
10	35	527	116	220	650	784	86	44	21	16	10	169
11	33	245	96	258	520	318	83	78	19	15	11	40
12	32	135	74	428	430	249	80	40	18	15	11	24
13	30	100	67	476	360	260	76	38	18	15	11	20
14	31	84	57	539	310	182	72	224	18	42	10	18
15	32	72	57	320	270	201	68	182	16	42	11	16
16	110	62	134	250	240	380	62	104	55	28	11	16
17	5880	56	89	226	218	211	56	72	85	23	12	16
18	808	51	54	210	1060	163	52	49	32	16	11	15
19	259	47	40	150	700	140	46	40	29	14	11	16
20	146	64	40	180	330	245	48	35	25	13	10	16
21	112	122	38	170	2160	4720	55	32	21	13	10	16
22	93	98	34	160	1540	730	53	30	19	13	11	15
23	82	74	31	150	333	299	49	29	17	13	11	14
24	74	56	30	144	254	224	46	29	17	13	11	14
25	79	46	313	136	166	214	75	29	17	12	12	13
26	306	1900	1310	1340	142	461	65	26	17	12	118	14
27	273	1000	542	1060	116	5580	52	28	143	13	31	16
28	156	560	251	700	103	895	46	37	295	15	19	19
29	134	400	193	540	95	1540	42	79	39	27	21	17
30	104	310	281	420	---	2260	44	49	23	23	23	16
31	91	---	413	320	---	1680	---	35	---	16	17	---
TOTAL	10017	15405	7880	13581	20993	32357	3165	1636	1541	569	514	1715
MEAN	323	514	254	438	724	1044	106	52.8	51.4	18.4	16.6	57.2
MAX	5880	4680	1310	1340	5000	5580	584	224	295	42	118	431
MTN	30	46	30	136	95	73	42	26	16	12	10	13
CFSM	1.27	2.02	1.00	1.72	2.85	4.11	.42	.21	.20	.07	.07	.23
IN.	1.47	2.26	1.15	1.99	3.07	4.74	.46	.24	.23	.08	.08	.25

CAL YR 1975 TOTAL 196134 MEAN 537 MAX 19000 MIN 19 CFSM 2.11 IN 28.73
WTR YR 1976 TOTAL 109373 MEAN 299 MAX 5880 MIN 10 CFSM 1.18 IN 16.02

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 at mean sea level (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) above mean sea level.

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, 725,500 acre-ft (895 hm³) Apr. 7, elevation 219.49 ft (66.901 m); minimum, 82,900 acre-ft (102 hm³) Nov. 29, elevation, 192.71 ft (58.738 m).

Capacity table (elevation, in feet, and contents, in thousands of acre-feet)

190	59.0	210	389.1
195	106.5	215	549.3
200	171.8	220	747.3
205	264.3		

CONTENTS, IN ACRE-FEET, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	353000	356400	452700	384500	399700	440900	699700	709400	661200	575200	474500	347700
2	352700	357000	455600	384100	394000	438400	712300	704500	654400	571200	471300	344600
3	348000	357800	455900	417200	387100	433600	717800	706000	652400	566800	467800	343600
4	341700	358000	454700	467100	380500	432000	720400	700500	651200	562400	463000	342500
5	334700	362000	452400	486000	373800	432300	723800	694300	649600	562800	458800	341500
6	327100	378200	450200	494700	393400	445800	724200	691900	646100	560200	455000	338600
7	319900	399200	456600	497300	427500	458500	724600	691900	641300	557300	451800	335700
8	312200	417800	460100	492700	445800	463900	725500	684600	637800	554700	448300	332900
9	304900	427800	460400	488700	456200	481000	725000	686100	633800	551100	443900	329600
10	297400	434500	460100	483700	457200	514500	725000	683200	629900	547500	439000	328100
11	289600	439700	457800	477400	455000	525700	723800	682000	626400	543600	434800	325600
12	282100	442700	455300	474500	449600	527500	725500	683600	622100	539700	429900	320100
13	274700	443600	452400	471300	444600	528500	725500	682800	618600	535900	425700	318600
14	267600	445800	448900	464700	439300	527100	725000	686500	614800	532400	420800	314700
15	265600	447700	445200	467400	433600	526800	725000	693900	610600	528500	416300	311400
16	266500	449200	443600	463300	428400	527500	725500	697600	611300	524700	412500	307500
17	278300	450200	440300	457800	422900	531700	725500	697600	612500	527800	409000	304000
18	301100	451100	437200	451800	425700	532700	724600	696800	612100	524700	404400	299700
19	327900	451800	432600	445500	440300	532000	724600	694700	610600	520500	400000	296200
20	334200	452700	425700	434700	451500	530300	723800	691500	607900	516300	393700	292900
21	339400	452700	419100	431400	453700	535500	722100	690200	604100	512500	388300	289400
22	341700	452700	411600	425400	463600	562800	723800	688200	600300	508400	384100	285200
23	343000	449600	404100	413100	468100	573400	723300	684500	596500	506400	380500	280900
24	343600	445800	397200	411900	471000	574100	722100	681200	592000	503400	376300	277100
25	345600	442400	391700	405500	467800	573400	722900	678700	588500	499700	372200	273400
26	349100	438700	392000	406400	463000	571500	722500	674600	585900	495700	368100	269600
27	351200	443300	399200	414900	458200	591200	721600	672600	584400	492700	365100	265900
28	353300	449000	401800	416300	452400	624400	719900	669300	582900	488700	361000	262200
29	354800	448600	401500	414600	446400	637400	716100	667300	580300	484400	357800	256700
30	355900	445800	397400	410500	---	659200	713200	662800	577800	480700	355600	251500
31	356400	---	391700	405800	---	678700	---	660400	---	477100	351700	---
MAX	356400	452700	460400	497300	471000	678700	725500	709400	661200	575200	474500	347700
MIN	265600	356400	391700	384100	373800	432000	699700	660400	577800	477100	351700	251500
(†)	208.81	212.05	210.00	210.48	211.81	218.74	219.15	217.87	215.73	212.86	208.53	204.23
(‡)	+1800	+93800	-61100	+13800	+39800	+251200	+17100	-52600	-82500	-99800	-127000	-100900

CAL YR 1975 MAX 998800 MIN 265600 (†) +5600
WTR YR 1976 MAX 725500 MIN 251500 (‡) -10600

† Elevation, in feet, at 2400, on last day of month.

‡ Change in contents, in acre

YAZOO RIVER BASIN

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 September 1975.

GAGE.--Water-stage recorder. Datum of gage is at mean sea level (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) above mean sea level.

REMARKS.--Flow completely regulated by Grenada Lake (see station 07284500).

COOPERATION.--Records furnished by Corps of Engineers and reviewed by Geological Survey.

AVERAGE DISCHARGE.--22 years, 1,884 ft³/s (53.35 m³/s), 19.38 in/yr (492 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 1975.--Maximum discharge, 5,430 ft³/s (154 m³/s) Feb. 28; minimum daily, 5 ft³/s (0.14 m³/s) at times.

NOTE.--Records for 1976 water year will be published in a subsequent report.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4320	4200	2670	276	3550	5410	772	343	2960	3980	1870	4120
2	4280	4100	2610	695	3560	5390	1050	1280	2950	3980	321	4100
3	4240	4000	1260	2540	3660	4880	1450	2430	2950	3970	322	4080
4	4420	3210	158	2960	3870	3990	1790	2770	2940	3960	324	4050
5	4490	2230	157	2960	4030	3640	1790	2770	2940	3950	1150	4030
6	4430	4100	158	3140	4090	2970	1790	2770	2940	3940	2300	4020
7	4380	4000	166	3540	4090	2960	3180	2770	2930	3930	3500	3990
8	4310	3890	176	3520	4080	2950	4760	2770	2930	3930	3740	4100
9	4240	3780	184	3630	4070	2950	4750	2780	2930	3920	3730	4300
10	4180	3670	190	3600	4040	2600	4750	2790	1190	3910	3120	4270
11	3890	3580	193	3570	4000	2000	4750	2790	346	3910	322	4230
12	3380	2480	197	3750	4000	1830	4740	2790	348	3900	1520	3980
13	4230	5.0	197	3750	4020	134	4730	2780	1070	3900	3710	3790
14	4150	5.0	201	3750	4060	155	4730	2780	2740	3890	3700	3730
15	3670	2010	203	3770	4040	330	4240	2040	3040	3880	3700	3870
16	3140	3360	206	3740	4070	332	3580	346	3040	3870	3680	4180
17	3980	3270	208	3700	3970	333	4730	348	3040	3860	3670	3840
18	4030	3180	209	3670	4040	677	4730	348	3040	3850	3670	3810
19	4170	2590	210	3660	4070	1010	4730	348	3030	3840	3660	4080
20	4070	943	212	3750	4070	1540	4730	810	3030	3510	3850	4050
21	4210	772	211	3880	4050	2450	4730	2520	3020	2860	3980	4020
22	4220	2200	211	3880	4030	4160	4720	2980	3020	3260	3970	3960
23	4300	3220	212	3880	1970	4600	4710	2980	3210	3710	3960	3900
24	4300	3180	216	3840	298	4610	4700	2980	3640	3240	3940	4030
25	4210	3120	225	3800	300	4630	4700	2970	3630	320	3930	3790
26	4210	3050	236	3760	882	4630	3780	2970	3620	320	4060	3400
27	4030	2980	243	3730	2040	4630	2270	2970	3620	322	4220	4000
28	4140	2910	250	3690	3790	4620	786	2960	3610	2050	4200	3930
29	4380	2830	256	3650	---	2080	342	2960	3600	3720	4180	4060
30	4400	2740	264	3620	---	5.0	342	2960	3780	3710	4160	4080
31	4300	---	266	3580	---	213	---	2960	---	3700	4140	---
TOTAL	128700	85605.0	12355	105401	46746	82709.0	102852	71063	85134	105092	96599	119790
MEAN	4152	2854	399	3400	3455	2668	3428	2292	2838	3390	3116	3993
MAX	4490	4200	2670	3880	4090	5410	4760	2980	3780	3980	4220	4300
MIN	3140	5.0	157	276	298	5.0	342	343	346	320	321	3400
(†)	-4607	-2109	+4539	+803	+2116	+7188	-1309	+260	-1008	-2797	-2065	-3645

CAL YR 1974 TOTAL 1129868.0 MEAN 3096 MAX 6510 MIN 5.0 (†) -138
WTR YR 1975 TOTAL 1092046.0 MEAN 2992 MAX 5410 MIN 5.0 (†) +219

† 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 September 1974. 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) above mean sea level. 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 58 discharge measurements and records of daily discharge furnished by Corps of Engineers. Records reviewed by Geological Survey.

AVERAGE DISCHARGE.--53 years (1907-12, 1927-75), 10,247 ft³/s (290.2 m³/s), 18.68 in/yr (474 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 1975.--Maximum discharge, 30,500 ft³/s (864 m³/s) Mar. 31, gage height, 33.72 ft (10.278 m); minimum daily discharge, 8,620 ft³/s (244 m³/s) Dec. 21.

NOTE.--Records for 1976 water year will be published in a subsequent report.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15300	12600	13300	19800	19600	24000	30300	18600	17200	11900	13000	11100
2	15200	12400	13200	19400	20800	24000	29900	18200	16600	11900	14200	11300
3	15100	12300	12900	18900	23000	24000	29200	21000	15900	11900	13800	11400
4	15000	12300	12600	18700	24100	24000	28600	20900	14900	12000	13000	11500
5	14900	12500	12000	18400	24800	23800	28100	20800	14100	12000	12400	11400
6	14900	12200	11700	18200	25100	23500	27600	20600	13600	12000	12700	11600
7	14800	12400	12300	17700	25300	23200	27200	21400	14000	11900	12600	11800
8	14800	12600	13000	17200	25400	22800	26600	22100	13500	11900	12600	11700
9	14700	12400	11300	16800	25300	22400	26500	22900	13300	12100	12700	11600
10	14700	12200	10300	17600	25100	22100	26200	23600	17200	12200	12900	11500
11	14600	12400	9910	19500	24800	21900	25700	22600	19700	12400	13000	11100
12	14600	12600	9780	19900	24900	21500	25100	21600	19000	12600	12000	10500
13	14600	12500	9500	20100	24800	25200	24900	21000	17200	12600	11600	10300
14	14600	12100	9170	20100	24600	26400	26500	20500	16400	12400	12200	10400
15	14800	11700	9560	20100	24400	26900	26600	22100	16000	12000	12500	10700
16	15000	12000	10700	20100	24900	27400	26200	23300	15700	11600	12600	10800
17	14800	12200	11200	19900	25300	27500	25800	23800	15500	11500	12600	11000
18	14500	12300	10900	19600	25600	27500	25200	22600	15200	11500	12600	11200
19	14300	12500	10000	20100	25600	27400	25000	20600	14700	11600	12600	11100
20	13900	12800	9080	21700	25200	27200	24600	19900	14300	11700	12600	11100
21	13600	12900	8620	22000	25100	27000	24000	19200	13900	11700	12600	11100
22	13400	12200	8700	21900	25100	26800	23400	18600	13400	11400	12600	11200
23	13400	12000	8910	21800	25100	27300	22900	18000	13000	11600	12600	11100
24	13100	12400	9520	21400	24900	28300	22200	17500	12800	11800	12500	11100
25	12800	12800	12000	21100	24700	28300	21700	16800	12700	11900	12400	11000
26	12500	13300	13600	20800	24400	28000	21200	16300	12500	11700	12400	11000
27	12300	13400	14200	20400	24200	27500	20600	15900	12300	10900	12400	10800
28	12000	13500	16500	20000	24000	27000	20100	15500	12200	10500	12300	10800
29	12000	13500	18400	19600	---	28800	19600	16100	12000	10900	12000	10800
30	12700	13400	19900	19200	---	30100	19100	17300	11900	11800	11600	10800
31	12900	---	20600	18900	---	30500	---	17500	---	12600	11100	---
TOTAL	435900	376400	373350	610900	686100	802300	750700	616800	440700	366500	388700	332800
MEAN	14060	12550	12040	19710	24500	25880	25020	19900	14690	11820	12540	11090
MAX	15300	13500	20600	22000	25600	30500	30300	23800	19700	12600	14200	11800
MIN	12000	11700	8620	16800	19600	21500	19100	15500	11900	10500	11100	10300

CAL YR 1974 TOTAL 6955150 MEAN 19060 MAX 35200 MIN 8620 (+) -649
WTR YR 1975 TOTAL 6181050 MEAN 16930 MAX 30500 MIN 8620 (+) -150

† Change in contents, equivalent in cubic feet per second, in Sardis, Enid, Arkabutla, and Grenada Lakes (see stations 07272000, 07274500, 07278000, and 07284500).

YAZOO RIVER BASIN

07287120 YAZOO RIVER NEAR SHELL BLUFF, MS
 (National stream-quality accounting network station)
 (National pesticide water monitoring program station)
 (Formerly published as Yazoo River at Shell Bluff near Morgan City)

LOCATION (REVISED).--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.--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. Stage-discharge relation based on intermittent discharge measurements.

COOPERATION.--Discharge measurements were furnished by Corps of Engineers.

EXTREMES OUTSIDE PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 85 micromhos July 8, Aug. 6, 1975; minimum, 48 micromhos Apr. 2, 1975.

WATER TEMPERATURES: Maximum, 28.0°C Sept. 11, 1975; minimum, 9.5°C Dec. 2, 1974, Jan. 8, 1975.

07287120 - YAZOO RIVER NR SHELL BLUFF, MS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	TIME	INSTANTANEOUS DIS- CHARGE (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	TUR- BID- ITY (JTU)	DIS- SOLVED OXYGEN (MG/L)	FECAL COLI- FORM (COL. PER 100 ML)	STREP- TOCOCCI (COL- ONIES PER 100 ML)	HARD- NESS (CA, MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)
OCT 16...	1200	10000	85	7.2	21.0	30	8.5	8150	270	39	14	12
NOV 04...	1200	9270	69	7.2	18.5	30	7.8	420	840	26	2	7.0
DEC 10...	1300	16300	72	8.1	9.5	90	8.4	--	--	25	1	6.3
JAN 06...	1100	18000	56	8.1	4.0	230	10.2	--	--	21	3	4.9
FEB 03...	1100	12400	98	7.2	6.0	85	10.3	--	8340	29	4	6.8
MAR 03...	1100	18000	63	6.7	15.0	170	9.0	630	1250	21	3	5.3
APR 07...	1100	13200	70	6.7	19.0	340	6.7	885	933	28	5	7.5
MAY 04...	1300	10500	80	6.1	18.0	150	8.3	2500	800	27	9	6.0
JUN 03...	1100	9720	97	6.8	22.0	70	7.2	210	300	31	7	7.6
JUL 08...	1300	10400	92	7.3	27.0	100	6.4	300	110	33	0	7.9
AUG 04...	1100	8100	102	7.3	27.0	45	6.5	1500	830	35	0	9.2
SEP 07...	1200	8330	105	6.7	25.5	45	6.8	350	380	34	1	8.9

07287120 YAZOO RIVER NEAR SHELL BLUFF, MS--CONTINUED

DATE	DIS-SOLVED MAG- NE- SIUM (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO	DIS-SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	ALKA- LINITY AS CACO3 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO- RIDE (CL) (MG/L)	DIS-SOLVED FLUO- RIDE (F) (MG/L)	DIS-SOLVED SILICA (SiO2) (MG/L)
OCT 16...	2.2	4.2	18	.3	1.8	30	0	25	4.3	3.1	.2	7.1
NOV 04...	2.1	3.7	22	.3	1.7	30	0	25	4.8	2.6	.2	7.3
DEC 10...	2.3	4.0	23	.3	3.0	30	0	25	7.6	4.0	.4	6.6
JAN 06...	2.1	4.4	28	.4	2.8	22	0	18	7.7	3.9	.2	6.0
FEB 03...	2.8	4.8	25	.4	2.3	30	0	25	9.2	5.0	.1	5.8
MAR 03...	2.0	5.0	31	.5	2.4	22	0	18	7.8	5.2	.3	4.7
APR 07...	2.3	4.0	22	.3	2.3	28	0	23	6.1	3.7	.2	6.6
MAY 04...	2.9	5.5	29	.5	1.9	22	0	18	9.1	5.0	.2	5.9
JUN 03...	3.0	4.8	24	.4	2.1	30	0	25	7.9	3.8	.0	5.7
JUL 08...	3.1	5.0	24	.4	2.0	40	0	33	6.5	3.0	.1	6.2
AUG 04...	3.0	5.5	24	.4	2.0	46	0	38	7.4	4.8	.2	6.5
SEP 07...	2.9	6.0	26	.4	2.3	40	0	33	7.4	5.2	.2	6.9

DATE	DIS-SOLVED SOLIDS (PFSI- DUE AT 180 C) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	DIS-SOLVED SOLIDS (TONS PER AC-FT)	DIS-SOLVED SOLIDS (TONS PER DAY)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL PHYTO- PLANK- TON (CELLS PER ML)	SUS- PENDE SEDI- MENT (MG/L)	SUS- PENDE SEDI- MENT CHARGE (T/DAY)
OCT 16...	57	50	.08	1540	.09	.39	.48	2.1	.11	2500	212	5720
NOV 04...	40	44	.05	1000	.12	.40	.52	2.3	.11	1300	178	4460
DEC 10...	52	49	.07	2290	.21	.90	1.1	4.9	.23	1500	184	8100
JAN 06...	56	43	.08	2720	.27	1.1	1.4	6.1	.38	1700	294	14300
FEB 03...	84	52	.11	2810	.19	.99	1.2	5.2	.21	12000	60	2010
MAR 03...	54	44	.07	2620	.24	1.3	1.5	6.8	.36	6300	356	17300
APR 07...	97	47	.13	3460	.56	1.3	1.9	8.2	.53	1900	478	17000
MAY 04...	64	47	.09	1810	.49	1.5	2.0	8.8	.28	2300	286	8110
JUN 03...	72	50	.10	1890	.40	.55	.95	4.2	.16	3000	154	4040
JUL 08...	72	54	.10	2020	.25	.60	.85	3.8	.34	4100	198	5560
AUG 04...	86	61	.12	1880	.14	.68	.82	3.6	.10	1900	149	3260
SEP 07...	56	60	.08	1260	.18	.52	.70	3.1	.11	3400	222	4990

DATE	TOTAL ARSENIC (AS) (UG/L)	DIS-SOLVED ARSENIC (AS) (UG/L)	TOTAL CAD- MIUM (CD) (UG/L)	SUS- PENDE CAD- MIUM (CD) (UG/L)	DIS-SOLVED CAD- MIUM (CD) (UG/L)	TOTAL CHRO- MIUM (CR) (UG/L)	SUS- PENDE CHRO- MIUM (CR) (UG/L)	DIS-SOLVED CHRO- MIUM (CR) (UG/L)	TOTAL COBALT (CO) (UG/L)	SUS- PENDE COBALT (CO) (UG/L)	DIS-SOLVED COBALT (CO) (UG/L)
OCT 16...	1	0	1	1	0	<10	<10	0	0	0	0
JAN 06...	7	1	1	1	0	12	10	2	4	4	0
APR 07...	11	1	2	0	2	20	20	0	5	5	0
JUL 08...	4	1	2	2	0	30	30	0	0	0	0

YAZOO RIVER BASIN

07287120 YAZOO RIVER NEAR SHELL BLUFF, MS--CONTINUED

DATE	TOTAL COPPER (CU) (UG/L)	SUS- PENDED COPPER (CU) (UG/L)	DIS- SOLVED COPPER (CU) (UG/L)	TOTAL IRON (FE) (UG/L)	DIS- SOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	SUS- PENDED LEAD (PB) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)	TOTAL MAN- GANESE (MN) (UG/L)	SUS- PENDED MAN- GANESE (MN) (UG/L)	DIS- SOLVED MAN- GANESE (MN) (UG/L)
OCT 16...	14	12	2	2500	70	7	5	2	250	220	30
JAN 06...	24	18	6	10000	420	18	12	6	320	260	60
APR 07...	19	13	6	17000	520	24	18	6	470	400	70
JUL 08...	35	33	2	5100	70	37	32	5	250	220	30

DATE	TOTAL MERCURY (HG) (UG/L)	SUS- PENDED MERCURY (HG) (UG/L)	DIS- SOLVED MERCURY (HG) (UG/L)	TOTAL SELE- NIUM (SE) (UG/L)	SUS- PENDED SELE- NIUM (SE) (UG/L)	DIS- SOLVED SELE- NIUM (SE) (UG/L)	TOTAL ZINC (ZN) (UG/L)	SUS- PENDED ZINC (ZN) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)	TOTAL ORGANIC CARBON (C) (MG/L)
OCT 16...	.0	.0	.0	0	0	0	30	0	30	3.6
JAN 06...	.2	.1	.1	0	0	0	50	50	0	12
APR 07...	.0	.0	.0	0	0	0	90	90	0	13
JUL 08...	.2	.1	.1	0	0	0	60	40	20	3.6

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	TOTAL ALDRIN (UG/L)	ALDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ATRA- ZINE (UG/L)	TOTAL CHLOR- DANE (UG/L)	CHLOR- DANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDD (UG/L)	DDD IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDE (UG/L)	DDE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDT (UG/L)	DDT IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DI- AZINON (UG/L)
NOV 04...	ND	ND	ND	ND	16	ND	40	ND	11	ND	6.8	.09
MAR 03...	ND	--	ND	ND	--	ND	--	ND	--	ND	--	ND
AUG 04...	ND	--	ND	ND	--	ND	--	ND	--	ND	--	ND

DATE	DI- AZINON IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DI- ELDRIN (UG/L)	DI- ELDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ENDRIN (UG/L)	ENDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ETHION (UG/L)	ETHION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR (UG/L)	HEPTA- CHLOR IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR EPOXIDE (UG/L)	HEPTA- CHLOR EPOXIDE IN BOT- TOM MA- TERIAL (UG/KG)
NOV 04...	ND	ND	.3	ND	.2	ND	ND	ND	ND	ND	ND
MAR 03...	--	ND	--	ND	--	ND	--	ND	--	ND	--
AUG 04...	--	ND	--	ND	--	ND	--	ND	--	ND	--

DATE	TOTAL LINDANE (UG/L)	LINDANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL MALA- THION (UG/L)	MALA- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL METHO- XY- CHLOR (UG/L)	METHO- XY- CHLOR IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL METHYL PARA- THION (UG/L)	METHYL PARA- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL METHYL TRI- THION (UG/L)	METHYL TRI- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL PARA- THION (UG/L)
NOV 04...	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MAR 03...	ND	--	ND	--	ND	--	ND	--	ND	--	ND
AUG 04...	ND	--	ND	--	ND	--	.04	--	ND	--	ND

07287120 YAZOO RIVER NEAR SHELL BLUFF, MS--CONTINUED

DATE	PARA- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL TOX- APHENE (UG/L)	TOX- APHENE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL TRI- THION (UG/L)	TRI- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL 2,4-D (UG/L)	2,4-D IN BOTTOM MA- TERIAL (UG/KG)	TOTAL 2,4,5-T (UG/L)	2,4,5-T IN BOTTOM MA- TERIAL (UG/KG)	TOTAL SILVEX (UG/L)	SILVEX IN BOTTOM MA- TERIAL (UG/KG)
NOV 04...	ND	ND	17	ND	ND	ND	ND	ND	ND	ND	ND
MAR 03...	--	ND	--	ND	--	ND	--	ND	--	ND	--
AUG 04...	--	ND	--	ND	--	ND	--	ND	--	ND	--

07287120 YAZOO RIVER NEAR SHELL BLUFF, MS--CONTINUED

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DAY	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	---	---	80	76	77	70	94	90	99	94		
2	---	---	77	68	70	60	93	84	103	99		
3	---	---	76	74	62	60	82	65	107	103		
4	---	---	75	71	71	62	66	---	110	107		
5	---	---	81	74	71	68	54	---	112	110		
6	---	---	78	52	68	64	71	55	107	79		
7	---	---	65	50	64	62	80	72	82	54		
8	---	---	61	---	62	61	83	81	68	54		
9	---	---	72	61	64	61	84	82	85	68		
10	---	---	87	74	67	63	85	77	93	85		
11	---	---	94	86	70	67	83	77	96	93		
12	---	---	100	94	73	68	87	84	103	97		
13	---	---	101	97	77	73	90	87	108	103		
14	---	---	97	88	74	72	91	87	112	108		
15	---	---	90	88	73	72	92	89	114	111		
16	86	75	93	90	74	72	88	74	115	109		
17	79	63	94	91	73	73	80	79	114	110		
18	69	61	96	93	74	72	81	79	---	---		
19	65	61	96	93	78	73	84	81	---	---		
20	75	65	94	80	80	78	87	85	---	---		
21	77	72	90	80	80	78	89	86	---	---		
22	78	75	99	67	83	80	90	88	---	---		
23	79	76	72	67	84	82	90	89	---	---		
24	79	77	69	65	83	83	93	90	---	---		
25	78	75	69	64	86	83	94	89	---	---		
26	80	76	65	62	86	81	87	83	---	---		
27	81	80	65	62	81	81	84	60	---	---		
28	84	81	63	60	80	74	81	60	---	---		
29	81	78	66	60	84	78	82	81	---	---		
30	78	76	76	64	90	84	90	82	---	---		
31	80	78	---	---	92	90	94	90	---	---		
MONTH	---	---	101	50	92	60	94	55	---	---		
DAY	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1			---	---	103	101	100	96				
2			---	---	101	98	110	96				
3			---	---	100	96	109	106				
4			79	78	102	98	107	80				
5			81	79	107	100	88	80				
6			83	80	106	96	94	85				
7			83	82	101	96	98	88				
8			85	81	100	96	100	93				
9			89	82	101	97	---	---				
10			91	85	101	97	---	---				
11			90	85	100	97	---	---				
12			88	83	101	97	---	---				
13			83	79	101	97	---	---				
14			80	77	101	97	---	---				
15			81	77	101	98	---	---				
16			86	77	100	78	---	---				
17			87	83	95	79	---	---				
18			89	86	87	78	---	---				
19			93	87	98	81	---	---				
20			93	88	99	96	---	---				
21			96	89	109	91	---	---				
22			96	88	110	101	---	---				
23			95	85	103	101	---	---				
24			91	85	105	102	---	---				
25			96	91	107	103	---	---				
26			94	92	106	103	---	---				
27			93	88	106	100	---	---				
28			92	84	110	100	---	---				
29			94	88	100	89	---	---				
30			93	87	99	93	---	---				
31			102	93	---	---	---	---				
MONTH			102	77	110	78	---	---				

07287120 YAZOO RIVER NEAR SHELL BLUFF, MS--CONTINUED

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

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

07287120 YAZOO RIVER NEAR SHELL BLUFF, MS--CONTINUED

ANALYSES OF BIOLOGICAL DATA, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

OCT. 16, 1975
1200 HOURS

IDENTIFICATION OF PHYTOPLANKTON

2,500 CELLS/ML

ORGANISM NAME	COMMON NAME	CELLS/ML	PER CENT
CHLOROPHYTA	GREEN ALGAE		
..CHLOROPHYCEAE			
...CHLOROCOCCALES			
...OCCYSTACEAE			
....ANKISTRODESMUS		120	5
....SELENASTRUM		39	2
....TETRAEDRON		77	3
....SCENEDESMACEAE			
....CHLORIDACEAE		540	22
....ZYGNEMATALES			
....DIPLODIALES	PLACODERM DESMIDS		
....COSMARIA			0
CHRYSOPHYTA			
..BACILLARIOPHYCEAE	DIATOMS		
..CENTRALES	CENTRIC		
...COSCINOIDISACEAE			
....CYCLOTELLA		150	6
....MELOSIRA		890	35
..PENNATALES	PENNATE		
...GOMPHONEMACEAE			
....GOMPHONEMA		39	2
...NITZSCHIA		150	6
..NITZSCHIA			
CYANOPHYTA	BLUE-GREEN ALGAE		
..MYXOPHYCEAE			
...CHROOCOCCALES	COCCOID		
...CHROOCOCCACEAE		500	20
....ANACYSTIS			

NOV. 4, 1975
1200 HOURS

IDENTIFICATION OF PHYTOPLANKTON

1,400 CELLS/ML

ORGANISM NAME	COMMON NAME	CELLS/ML	PER CENT
CHLOROPHYTA	GREEN ALGAE		
..CHLOROPHYCEAE			
...CHLOROCOCCALES			
...OCCYSTACEAE			
....ANKISTRODESMUS		100	7
....SCENEDESMACEAE			
....SCENEDESMUS		130	10
CHRYSOPHYTA			
..BACILLARIOPHYCEAE	DIATOMS		
..CENTRALES	CENTRIC		
...COSCINOIDISACEAE			
....CYCLOTELLA		170	12
....MELOSIRA		370	27
..PENNATALES	PENNATE		
...NAVICULACEAE	NAVICULOID		
....NAVICULA		33	2
...NITZSCHIA		100	7
..NITZSCHIA			
CYANOPHYTA	BLUE-GREEN ALGAE		
..MYXOPHYCEAE			
...OSCILLATORIALES	FILAMENTOUS		
...OSCILLATORIALES			
....OSCILLATORIA		470	34

07287120 YAZOO RIVER NEAR SHELL BLUFF, MS--CONTINUED

ANALYSES OF BIOLOGICAL DATA, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DEC. 10, 1975
1300 HOURS

IDENTIFICATION OF PHYTOPLANKTON

1,500 CELLS/ML

ORGANISM NAME	COMMON NAME	CELLS/ML	PER CENT
CHLOROPHYTA	GREEN ALGAE		
..CHLOROPHYCEAE			
...CHLOROCOCCALES			
...OCCYSTACEAE			
...ANKISTRODES MUS		30	2
...SCENEDESMACEAE			
...SCENEDESMUS		120	8
CHRYSOPHYTA			
..BACILLARIOPHYCEAE	DIATOMS		
..CENTRALES	CENTRIC		
...COSCINODISCEAE			
...CYCLOTELLA		30	2
...MELOSIIRA		1,100	77
..PENNALES	PENNATE		
...GOMPHONEMACEAE			
...GOMPHONEMA		61	4
...NAVICULACEAE	NAVICULOID		
...NAVICULA		30	2
...NITZSCHACEAE			
...NITZSCHIA		61	4
EUGLENOPHYTA	EUGLENOIDS		
..EUGLENOPHYCEAE			
..EUGLENALES			
...EUGLENACEAE			
...EUGLENA			0

JAN. 6, 1976
1100 HOURS

IDENTIFICATION OF PHYTOPLANKTON

1,700 CELLS/ML

ORGANISM NAME	COMMON NAME	CELLS/ML	PER CENT
CHLOROPHYTA	GREEN ALGAE		
..CHLOROPHYCEAE			
...CHLOROCOCCALES			
...OCCYSTACEAE			
...ANKISTRODES MUS			0
...DICTYOSPHAERIUM			0
CHRYSOPHYTA			
..BACILLARIOPHYCEAE	DIATOMS		
..CENTRALES	CENTRIC		
...COSCINODISCEAE			
...MELOSIIRA		1,600	90
..PENNALES	PENNATE		
...NAVICULACEAE	NAVICULOID		
...NAVICULA		170	10
EUGLENOPHYTA	EUGLENOIDS		
..EUGLENOPHYCEAE			
..EUGLENALES			
...EUGLENACEAE			
...TRACHELOMONAS			0

07287120 YAZOO RIVER NEAR SHELL BLUFF, MS--CONTINUED

ANALYSES OF BIOLOGICAL DATA, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

FEB. 3, 1976
1100 HOURS

IDENTIFICATION OF PHYTOPLANKTON

12,000 CELLS/ML

ORGANISM NAME	COMMON NAME	CELLS/ML	PER CENT
CHRYSOPHYTA			
..BACILLARIOPHYCEAE	DIATOMS		
..CENTRALES	CENTRIC		
...COSCINODISCACEAE		12,000	98
....MELOSIRA			
..PENNIALES	PENNATE		
...NAVICULACEAE	NAVICULOID	230	2
....NAVICULA			

MAR. 3, 1976
1100 HOURS

IDENTIFICATION OF PHYTOPLANKTON

6,300 CELLS/ML

ORGANISM NAME	COMMON NAME	CELLS/ML	PER CENT
CHRYSOPHYTA			
..BACILLARIOPHYCEAE	DIATOMS		
..CENTRALES	CENTRIC		
...COSCINODISCACEAE		6,100	96
....MELOSIRA			
..PENNIALES	PENNATE		
...FRAGILARIACEAE		140	2
....ASTERIONELLA			
...NAVICULACEAE	NAVICULOID		
....NAVICULA			0
...NITZSCHACEAE		140	2
....NITZSCHIA			

APR. 7, 1976
1100 HOURS

IDENTIFICATION OF PHYTOPLANKTON

1,900 CELLS/ML

ORGANISM NAME	COMMON NAME	CELLS/ML	PER CENT
CHLOROPHYTA	GREEN ALGAE		
..CHLOROPHYCEAE			
...CHLOROCOCCALES			
...COELASTRACEAE		280	15
....COELASTRUM			
...OCCYSTACEAE			0
...ANKISTRODESMEUS			
CHRYSOPHYTA			
..BACILLARIOPHYCEAE	DIATOMS		
..CENTRALES	CENTRIC		
...COSCINODISCACEAE		110	6
....CYCLOTELLA		1,200	63
....MELOSIRA			
..PENNIALES	PENNATE		
...FRAGILARIACEAE		110	6
....ASTERIONELLA			
...GOMPHONEMACEAE		35	2
....GOMPHONEMA			
...NITZSCHACEAE		180	9
....NITZSCHIA			

07287120 YAZOO RIVER NEAR SHELL BLUFF, MS--CONTINUED

ANALYSES OF BIOLOGICAL DATA, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

MAY 4, 1976
1300 HOURS

IDENTIFICATION OF PHYTOPLANKTON

2,300 CELLS/ML

ORGANISM NAME	COMMON NAME	CELLS/ML	PER CENT
CHLOROPHYTA	GREEN ALGAE		
..CHLOROPHYCEAE			
...CHLOROCOCCALES			
...OCCYSAEAE			
....ANKISTRODESMUS		140	6
...SCENEDESMACEAE			
...SCENEDESMUS		280	12
CHRYSDPHYTA			
..BACILLARIOPHYCEAE	DIATOMS		
..CENTRALES	CENTRIC		
...COSCINOIDISCAEAE			
...CYCLOTELLA		140	6
...MELOSIWA		1,400	62
..PENNALES	PENNATE		
...NAVICULACEAE	NAVICULOID		
...NAVICULA			0
...NITZSCHIAEAE			
...NITZSCHIA		280	12

JUNE 3, 1976
1100 HOURS

IDENTIFICATION OF PHYTOPLANKTON

3,000 CELLS/ML

ORGANISM NAME	COMMON NAME	CELLS/ML	PER CENT
CHLOROPHYTA	GREEN ALGAE		
..CHLOROPHYCEAE			
...CHLOROCOCCALES			
...OCCYSTACEAE			
....DICTYOSPHAERIUM		1,000	35
...SCENEDESMACEAE			
...SCENEDESMUS		260	9
CHRYSDPHYTA			
..BACILLARIOPHYCEAE	DIATOMS		
..CENTRALES	CENTRIC		
...COSCINOIDISCAEAE			
...MELOSIWA		1,300	43
..PENNALES	PENNATE		
...NAVICULACEAE	NAVICULOID		
...NAVICULA		65	2
...NITZSCHIAEAE			
...NITZSCHIA		260	9
EUGLENOPHYTA	EUGLENOIDS		
..EUGLENOPHYCEAE			
...EUGLENALES			
...EUGLENACEAE			
...PHACUS		65	2

07287120 YAZOO RIVER NEAR SHELL BLUFF, MS--CONTINUED

ANALYSES OF BIOLOGICAL DATA, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

JULY 8, 1976
1300 HOURS

IDENTIFICATION OF PHYTOPLANKTON

4.100 CFLLS/ML

ORGANISM NAME	COMMON NAME	CELLS/ML	PER CENT
CHLOROPHYTA	GREEN ALGAE		
..CHLOROPHYCEAE			
...CHLOROCOCCALES			
...OCCYSTACEAE			
...ANKISTRODESMUS		46	1
...SCENEDESMACEAE			
...CHUCIGENIA		370	9
...SCENEDESMUS		140	3
CHRYSOPHYTA			
..BACILLARIOPHYCEAE	DIATOMS		
..CENTRALES	CENTRIC		
...COSCINOIDISCAEAE			
...CYCLOTELLA		140	3
...MELOSIRA		180	4
..PENNALES	PENNATE		
...NAVICULACEAE	NAVICULOID		
...NAVICULA		46	1
...NITZSCHACEAE			
...NANTZSCHIA		46	1
...NITZSCHIA		460	11
CYANOPHYTA	BLUE-GREEN ALGAE		
..MYXOPHYCEAE			
...CHROOCOCCALES	COCCOID		
...CHROOCOCCACEAE			
...ANACYSTIS		1,500	36
...OSCILLATORIALES	FILAMENTOUS		
...NOSTOCACEAE			
...ANABAENA		1,100	26
...APHANIZOMENON			0
...OSCILLATORIAEAE			
...OSCILLATORIA			0
EUGLENOPHYTA	EUGLENOIDS		
..EUGLENOPHYCEAE			
...EUGLENALES			
...EUGLENACEAE			
...PHACUS		46	1
...TRACHELOMONAS		91	2

07287120 YAZOO RIVER NEAR SHELL BLUFF, MS--CONTINUED

ANALYSES OF BIOLOGICAL DATA, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

AUG. 4, 1976
1100 HOURS

IDENTIFICATION OF PHYTOPLANKTON

1,900 CELLS/ML

ORGANISM NAME	COMMON NAME	CELLS/ML	PER CENT
CHLOROPHYTA	GREEN ALGAE		
..CHLOROPHYCEAE			
...CHLOROCOCCALES			
...OCCYSTACEAE			
....ANKISTROPSMUS		32	2
...SCENEDESMACEAE			
....CRUCIGENIA			0
....SCENEDESMUS		180	9
...VOLVOCALES			
...CHLAMYDOMONADACEAE			
....CHLAMYDOMONAS		16	1
CHRYSOPHYTA			
..BACILLARIOPHYCEAE	DIATOMS		
..CENTRALES	CENTRIC		
...COSCINODISCACEAE			
....MELOSIWA		180	9
..PENNALES	PENNATE		
...ACHNANTHACEAE			
....COCCONEIS		16	1
...NAVICULACEAE	NAVICULOID		
....NAVICULA		16	1
....PINNULARIA		16	1
...NITZSCHACEAE			
....NITZSCHIA		300	16
CYANOPHYTA	BLUE-GREEN ALGAE		
..MYXOPHYCEAE			
...OSCILLATORIALES	FILAMENTOUS		
...NOSTOCACEAE			
....ANABAENA		430	23
...OSCILLATORIA			
....LYNGBYA		320	17
...OSCILLATORIA		340	18
EUGLENOPHYTA	EUGLENOIDS		
..EUGLENOPHYCEAE			
...EUGLENALES			
...EUGLENACEAE			
....TRACHELOMONAS		16	1

07287120 YAZOO RIVER NEAR SHELL BLUFF, MS--CONTINUED

ANALYSES OF BIOLOGICAL DATA, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

SEP. 7, 1976

1200 HOURS

IDENTIFICATION OF PHYTOPLANKTON

3,400 CELLS/ML

ORGANISM NAME	COMMON NAME	CELLS/ML	PER CENT
CHLOROPHYTA	GREEN ALGAE		
..CHLOROPHYCEAE			
...CHLOROCOCCALES			
...OCCYSTACEAE			
...ANKISTRODESMUS		30	1
...SCENEDESMACEAE			
...CHUCIGENIA		480	14
..VOLVOCALES			
...CHLAMYDOMONADACEAE			
...CHLAMYDOMONAS		60	2
CHRYSOPHYTA			
..BACILLARIOPHYCEAE	DIATOMS		
..CENTRALES	CENTRIC		
...COSCINODISCACEAE			
...CYCLOTELLA		330	10
...MELOSIWA		1,300	39
..PENNALES	PENNATE		
...NITZSCHACEAE			
...NITZSCHIA		120	3
CYANOPHYTA	BLUE-GREEN ALGAE		
..MYXOPHYCEAE			
..CHROOCOCCALES	COCROID		
...CHROOCOCCACEAE			
...ANACYSTIS		600	17
..OSCILLATORIALES	FILAMENTOUS		
...OSCILLATORIACEAE			
...OSCILLATORIA		450	13
EUGLENOPHYTA	EUGLENOIDS		
..EUGLENOPHYCEAE			
..EUGLENALES			
...EUGLENACEAE			
...TRACHELOMONAS		30	1

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 (23,040 km²).

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

REMARKS.--Stage-discharge relation based on intermittent discharge measurements.

COOPERATION.--Discharge measurements were furnished by Corps of Engineers.

WATER QUALITY DATA, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	TIME	INSTAN- TANEOUS DIS- CHARGE (CFS)	SPE- CIFIC CON- DUCTI- ANCE (MICRO- MHO-S)	PH (UNITS)	TEMPER- ATURE (DEG C)	TUR- BID- ITY (NTU)	DIS- SOLVED OXYGEN (MG/L)	CHEM- ICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L)	FECAL COLI- FORM (COL. PER 100 ML)	DIS- SOLVED SILICA (>102) (MG/L)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)
OCT												
01...	1500	8600	75	7.5	23.0	55	6.5	8	B130	6.9	95	259
17...	1300	11000	85	6.9	19.5	350	6.0	14	B2800	5.5	47	676
NOV												
03...	1300	7800	78	6.9	20.5	40	6.3	12	B100	8.0	58	125
13...	1000	10400	93	6.9	18.0	80	5.3	16	<10	8.4	70	109
25...	1300	9000	81	7.6	11.0	65	8.6	10	<7	8.2	57	211
DEC												
11...	1300	12000	70	8.5	10.0	80	8.5	15	B80	7.0	60	170
22...	1300	9300	72	7.5	6.5	70	7.5	6	--	6.8	56	136
JAN												
06...	1400	11800	55	8.2	5.5	300	9.7	22	260	5.6	53	433
22...	1300	10000	95	7.2	5.0	80	6.3	20	--	5.9	62	116
FEB												
03...	1330	10000	102	7.3	7.0	120	8.3	25	B20	6.1	70	244
17...	1300	10400	95	6.9	13.0	300	10.8	30	>13300	5.7	70	576
MAR												
03...	1500	13300	68	7.2	15.0	250	8.3	16	B142	5.0	86	249
17...	1000	14900	58	7.1	12.0	250	9.6	34	2300	5.3	63	206
29...	1500	14200	75	6.5	18.0	300	8.1	25	2700	5.3	62	225
APR												
12...	1400	9100	82	7.2	19.0	290	6.2	20	B60	6.7	62	149
26...	1330	6000	145	7.4	21.0	80	8.3	13	660	11	124	95
MAY												
11...	1300	8400	82	7.2	21.0	130	6.8	21	<10	6.3	44	170
25...	1300	7400	105	7.0	22.5	95	6.4	10	200	5.6	90	220
JUN												
07...	1300	7900	112	7.2	24.0	79	6.2	17	B93	6.1	68	196
23...	1400	8600	105	6.3	25.0	70	5.5	24	--	6.1	72	176
JUL												
08...	1000	9400	85	7.0	26.5	150	5.1	22	1400	6.6	72	177
20...	1300	7200	120	7.0	29.0	60	5.4	8	750	6.9	56	--
AUG												
05...	1300	6600	118	7.4	28.0	45	5.9	8	730	7.3	88	71
24...	1430	6400	125	7.3	29.0	20	6.1	21	--	7.2	74	45
SEP												
01...	1400	6700	120	7.1	27.0	55	6.0	14	B650	7.2	66	159
13...	1300	6900	120	7.1	25.0	30	6.7	15	300	7.7	78	42
28...	1400	5800	115	7.1	24.0	35	7.0	10	--	7.0	73	109

YAZOO RIVER BASIN

07287500 YAZOO RIVER AT YAZOO CITY, MS--Continued

DATE	TOTAL NITRATE PLUS NITRITE (N) (MG/L)	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJFL- DAHL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL IRON (FE) (UG/L)	TOTAL ORGANIC CARBON (C) (MG/L)	OIL AND GREASE (MG/L)	CHLORO- PHYLL A (UG/L)	CHLORO- PHYLL B (UG/L)
OCT												
01...	.17	.08	.31	.39	.56	2.5	.13	4700	4.4	0	.000	.000
17...	.28	.25	1.3	1.5	1.8	7.9	.69	23000	13	1	.000	.000
NOV												
03...	.24	.17	.93	1.1	1.3	5.9	.13	3100	4.6	--	.000	.000
13...	.33	.17	.82	.99	1.3	5.8	.23	5600	8.4	0	.000	.000
25...	.22	.11	.43	.54	.76	3.4	.19	--	3.8	0	.000	.000
DEC												
11...	.24	.14	.69	.83	1.1	4.7	.23	6600	8.4	0	2.60	.500
22...	.22	.22	.63	.85	1.1	4.7	.20	4800	7.4	1	12.0	.000
JAN												
06...	.22	.24	1.4	1.6	1.8	8.1	.46	15000	12	1	6.40	.600
22...	.36	.25	.85	1.1	1.5	6.5	.26	6000	5.2	0	17.0	.000
FEB												
03...	.36	.32	1.1	1.4	1.8	7.8	.36	8100	8.0	0	13.0	.000
17...	.76	.70	2.4	3.1	3.9	17	.54	18000	12	0	8.90	.000
MAR												
03...	.30	.23	1.3	1.5	1.8	8.0	.38	13000	9.2	0	8.80	.000
17...	.40	.23	1.2	1.4	1.8	8.0	.39	11000	9.6	0	4.50	.200
29...	.43	.29	1.0	1.3	1.7	7.7	.52	16000	11	1	7.50	4.40
APR												
12...	.69	.24	.96	1.2	1.9	8.4	.42	12000	12	0	4.60	.000
26...	.55	.38	.92	1.3	1.9	8.2	.25	6200	10	0	.000	.000
MAY												
11...	.59	.25	.75	1.0	1.6	7.0	.39	11000	5.9	0	3.83	.000
25...	.35	.33	.48	.81	1.2	5.1	.28	8600	2.2	0	.000	.000
JUN												
07...	.50	.15	.74	.89	1.4	6.2	.23	7100	6.2	0	.000	.000
23...	.76	.08	.84	.92	1.7	7.4	.21	7100	5.1	0	.000	.000
JUL												
04...	.54	.15	.60	.75	1.3	5.7	.38	7900	5.0	0	.000	.000
20...	.83	.50	.80	1.3	2.1	9.4	.24	5000	4.6	0	.000	.000
AUG												
05...	.33	.18	.66	.84	1.2	5.2	.15	3400	2.5	0	.000	.000
24...	.24	.12	.84	.96	1.2	5.3	.10	2400	8.5	0	.000	.000
SEP												
01...	.36	.15	.59	.74	1.1	4.9	.22	5700	4.2	0	--	--
13...	.29	.17	.67	.84	1.1	5.0	.11	--	3.0	0	.000	.000
28...	.22	.21	.35	.56	.78	3.5	.13	3300	4.9	0	.000	.000

DATE	COD IN BOTTOM MA- TERIAL (MG/KG)	TOTAL CAL- CIUM (CA) (MG/L)	TOTAL MAG- NE- SIUM (MG)	TOTAL SODIUM (NA) (MG/L)	TOTAL PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	TOTAL KJFL- NITRO- GEN IN BOTTOM MAT. (MG/KG)	TOTAL PHOS- PHORUS IN BOT- TOM MA- TERIAL (MG/KG)	TOTAL ARSENIC (AS) (UG/L)
OCT												
17...	9000	14	6.6	3.0	4.5	37	0	5.0	2.4	840	570	14
JAN												
06...	--	8.0	4.4	4.3	4.3	20	0	5.9	2.6	--	--	10
APR												
12...	--	9.9	5.3	5.0	4.1	35	0	6.3	3.5	--	--	9
JUL												
04...	--	10	3.6	5.0	2.9	36	0	6.2	3.0	--	--	7

DATE	TOTAL ARSENIC IN BOTTOM MA- TERIAL (UG/G)	TOTAL CAD- MIUM (CA) (UG/L)	TOTAL CADMIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL CHRO- MIUM (CR) (UG/L)	TOTAL CHRO- MIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL LEAD (PB) (UG/L)	TOTAL LEAD IN BOTTOM MA- TERIAL (UG/G)	TOTAL MERCURY (HG) (UG/L)	TOTAL MERCURY IN BOTTOM MA- TERIAL (UG/G)	TOTAL ZINC (ZN) (UG/L)	TOTAL ZINC IN BOTTOM MA- TERIAL (UG/G)	OIL AND GREASE IN BOT- TOM MA- TERIAL (MG/KG)
OCT												
17...	9	1	<10	15	<10	20	<10	.0	.0	70	30	.0
JAN												
06...	--	1	--	20	--	12	--	.2	--	40	--	--
APR												
12...	--	0	--	20	--	9	--	.0	--	50	--	--
JUL												
04...	--	2	--	20	--	21	--	.1	--	50	--	--

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 September 1975 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) above mean sea level (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 and records of daily discharge furnished by Corps of Engineers; records reviewed by Geological Survey.

AVERAGE DISCHARGE.--40 years, 1,045 ft³/s (29.59 m³/s), 18.50 in/yr (470 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 1975.--Maximum discharge, 9,880 ft³/s (279.8 m³/s) Mar. 16, gage height, 25.22 ft (7.687 m); minimum daily discharge, 148 ft³/s (4.19 m³/s) Oct. 27-28.

NOTE.--Records for 1976 water year will be published in a subsequent report.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	391	1240	313	5680	1460	3640	4730	1550	3700	597	728	604
2	331	1030	241	5210	2810	2790	4140	2230	3210	673	756	721
3	290	791	257	4770	4550	2090	3410	2910	2570	859	897	683
4	261	644	240	4350	5590	1530	2630	3970	1970	736	1310	576
5	236	757	229	3880	6090	1130	1980	4370	1420	652	2150	517
6	219	1030	225	3270	6070	880	1470	4280	1040	593	2830	585
7	211	1200	235	2610	5630	723	1100	3980	851	546	3300	656
8	196	1160	241	2070	4950	622	879	3640	863	516	3260	658
9	182	982	233	1650	4170	559	838	3440	1210	515	2830	586
10	170	805	230	2070	3330	546	1260	3740	2090	521	2300	497
11	166	1200	315	3950	2520	643	2040	3460	3010	536	1860	439
12	173	1810	509	5330	1880	1220	1940	2840	3240	593	1510	458
13	174	1980	569	5830	1360	4150	1730	2140	3010	636	1190	476
14	184	2020	585	5730	1040	7750	1640	1550	2570	611	945	566
15	268	1750	991	5340	992	9590	1550	1290	2120	550	760	662
16	512	1370	1620	4720	2310	9670	1340	2040	1670	489	633	619
17	605	1080	2100	3950	4080	9270	1130	3080	1320	448	580	512
18	510	879	2170	3270	4780	8460	974	3330	1080	466	691	425
19	380	801	1760	3190	4750	7760	934	3100	923	525	1040	450
20	250	694	1350	4150	4220	7000	878	2630	846	534	1350	539
21	199	587	988	4710	3440	6140	783	2120	914	527	1460	535
22	171	558	734	4560	2690	5190	709	1620	945	528	1360	472
23	152	597	587	4050	3020	4320	652	1240	957	519	1160	413
24	150	605	883	3320	4460	3610	511	957	960	494	952	357
25	148	571	1800	2560	5310	2960	577	816	959	477	781	301
26	149	550	2670	1940	5330	2300	538	753	950	504	656	257
27	148	520	3300	1440	4990	1740	494	1160	856	614	576	227
28	148	455	3950	1050	4410	1410	461	1420	745	765	532	204
29	855	396	4620	875	---	2350	489	1960	664	847	504	191
30	1280	351	5290	737	---	4400	843	3110	620	849	490	177
31	1360	---	5690	732	---	5010	---	3740	---	782	498	---
TOTAL	10469	28413	44965	107118	106232	119363	42750	78466	47283	18502	39939	14363
MEAN	338	947	1450	3455	3794	3850	1425	2531	1576	597	1288	479
MAX	1360	2020	5690	5830	6090	9670	4730	4370	3700	859	3300	721
MIN	148	351	225	732	992	546	461	753	620	448	490	177
CFSM	.44	1.23	1.49	4.50	4.95	5.02	1.86	3.30	2.05	.78	1.68	.62
IN.	.51	1.38	2.18	5.20	5.15	5.79	2.07	3.81	2.29	.90	1.94	.70

CAL YR 1974 TOTAL 767309 MEAN 2102 MAX 10700 MIN 148 CFSM 2.74 IN 37.21
WTR YR 1975 TOTAL 657863 MEAN 1802 MAX 9670 MIN 148 CFSM 2.35 IN 31.91

YAZOO RIVER BASIN

07288800 YAZOO RIVER AT REDWOOD, MS
(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, 0.55 mi (0.88 km) downstream from U.S. Highway 61, 0.95 mi (1.53 km) northwest of Redwood, and at mile 16.7 (26.9 km).

DRAINAGE AREA.--12,603 mi² (32,628 km²).

PERIOD OF RECORD.--Water years 1961-62, 1972 to current year.

REMARKS.--Stage-discharge relation based on intermittent discharge measurements.

COOPERATION.--Discharge measurements were furnished by Corps of Engineers.

WATER QUALITY DATA. WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	TIME	INSTAN- TANEOUS DIS- CHARGE (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	TUR- BID- ITY (NTU)	DIS- SOLVED OXYGEN (MG/L)	CHEM- ICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L)	FECAL COLI- FORM (COL. PER 100 ML)	DIS- SOLVED SILICA (SI02) (MG/L)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)
OCT												
01...	1330	E15800	98	7.6	22.5	40	6.7	8	831	7.7	83	97
17...	1100	E22300	145	7.5	20.0	250	5.9	12	82500	6.4	65	1470
NOV												
03...	1200	E16400	130	6.9	20.5	40	6.1	12	200	9.2	72	86
13...	1200	E30400	115	7.0	18.0	100	5.6	16	<10	8.9	82	216
25...	1100	E17000	123	7.5	11.0	50	8.4	10	<5	9.3	75	103
DEC												
11...	1100	F31200	85	7.8	10.5	140	8.0	12	415	6.6	69	308
22...	1130	F19200	94	7.4	7.5	70	8.0	14	--	7.4	69	104
JAN												
06...	1300	F35800	93	6.8	6.0	350	7.6	18	380	5.1	63	506
22...	1100	F24500	118	7.2	5.0	110	11.3	22	--	6.0	74	192
FEB												
03...	1300	F24200	101	7.1	8.0	130	4.6	25	830	6.2	84	332
17...	1100	E23200	120	7.1	12.0	300	9.3	20	400	5.9	68	156
MAR												
03...	1230	F32400	72	7.2	17.0	350	8.0	14	>600	4.9	78	412
17...	1230	F45900	73	7.1	12.5	340	9.9	12	520	5.4	71	352
29...	1300	F38500	85	6.5	18.0	350	7.6	29	2500	5.1	71	556
APR												
12...	1100	E24400	98	7.1	18.5	310	5.8	57	880	6.5	62	162
26...	1300	E25000	260	7.4	22.0	90	7.8	--	23000	12	162	159
MAY												
11...	1100	E17800	125	7.2	20.5	110	6.6	21	<10	7.5	76	120
25...	1100	E12400	155	7.2	22.0	80	6.4	11	200	8.0	108	76
JUN												
07...	1100	F13100	155	7.1	24.0	77	5.9	31	866	7.4	106	111
23...	1200	E20800	140	6.7	25.5	250	4.6	67	--	7.7	98	400
JUL												
09...	1300	F52700	120	6.1	26.0	270	5.2	17	50000	7.1	94	507
20...	1100	E13300	170	7.1	29.0	45	5.7	6	270	8.8	80	46
AUG												
05...	1000	F10500	185	7.5	28.5	55	5.3	11	1500	9.4	130	114
24...	1230	F9310	160	7.3	29.0	20	5.1	24	--	9.8	126	110
SEP												
01...	1200	F8550	220	7.3	28.5	45	5.3	14	8790	9.8	124	149
13...	1100	F8840	230	7.1	25.0	60	6.1	14	82000	10	129	142
28...	1200	F3590	180	6.9	25.0	35	6.3	13	--	8.5	137	86

YAZOO RIVER BASIN

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07288800 YAZOO RIVER AT REDWOOD, MS--Continued

DATE	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL IRON (FE) (UG/L)	TOTAL ORGANIC CARBON (C) (MG/L)	OIL AND GREASE (MG/L)	CHLORO- PHYLL A (UG/L)	CHLORO- PHYLL B (UG/L)
OCT												
01...	.22	.04	.36	.40	.62	2.7	.11	3100	5.6	0	.000	.000
17...	.22	.19	1.2	1.4	1.6	7.2	.99	32000	15	0	3.20	.000
NOV												
03...	.30	.09	.81	.90	1.2	5.3	.13	3100	3.6	--	.000	.000
13...	.48	.09	.89	.98	1.5	6.5	.34	8400	9.4	0	.000	.000
25...	.27	.11	.57	.68	.95	4.2	.17	3300	9.6	1	.000	.000
DEC												
11...	.36	.17	1.0	1.2	1.6	6.9	.42	12000	13	0	5.70	.000
22...	.28	.27	.93	1.2	1.5	6.6	.23	4400	8.0	1	6.50	.000
JAN												
05...	.44	.26	1.7	2.0	2.4	11	.74	17000	14	2	5.60	.000
22...	.30	.17	.93	1.1	1.4	6.2	.24	7100	6.4	0	15.0	.000
FEB												
03...	.42	.13	1.3	1.4	1.8	8.1	.29	8700	8.8	0	9.10	1.00
17...	.71	.48	1.8	2.3	3.0	13	.45	14000	12	0	9.30	.000
MAR												
03...	.40	.28	1.9	2.2	2.6	12	.78	22000	17	0	7.30	.000
17...	.59	.30	1.5	1.8	2.4	11	.50	16000	14	1	12.0	4.90
29...	.60	.29	1.6	1.9	2.5	11	.68	24000	9.4	2	6.30	3.40
APR												
12...	.70	.08	1.1	1.2	1.5	8.4	.50	16000	14	0	6.90	.000
26...	.89	.12	.98	1.1	2.0	8.8	.30	8900	8.9	0	3.50	.300
MAY												
11...	.67	.05	.80	.85	1.5	6.7	.30	9100	6.8	0	.000	.000
25...	.83	.07	.44	.51	1.3	5.9	.18	5100	4.6	0	.000	.000
JUN												
07...	1.2	.04	.38	.42	1.6	7.2	.22	6200	--	0	.000	.000
23...	2.0	.07	1.4	1.5	3.5	16	.38	13000	7.0	0	.000	.000
JUL												
08...	1.5	.10	1.4	1.5	3.0	13	.56	18000	9.6	0	.000	.000
20...	.66	.03	.59	.62	1.3	5.7	.18	3400	1.8	0	.000	.000
AUG												
05...	.69	.02	.65	.67	1.4	6.0	.18	4200	3.0	0	27.4	4.77
24...	.34	.01	1.2	1.2	1.5	6.8	.17	2900	6.7	0	3.49	1.04
SEP												
01...	.48	.06	.82	.88	1.4	6.0	.19	4800	3.8	0	--	--
13...	.41	.03	.65	.68	1.1	4.8	.21	4400	5.6	0	.000	.000
28...	.39	.12	.75	.87	1.3	5.6	.14	2900	5.6	0	.000	.000

DATE	COD IN BOTTOM MA- TERIAL (MG/KG)	TOTAL CAL- CIUM (CA) (MG/L)	TOTAL MAG- NE- SIUM (MG) (MG/L)	TOTAL SODIUM (NA) (MG/L)	TOTAL PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	TOTAL KJEL- NITRO- GEN IN BOTTOM MAT. (MG/KG)	TOTAL PHOS- PHORUS IN BOT- TOM MA- TERIAL (MG/KG)	TOTAL ARSENIC (AS) (UG/L)
OCT												
17...	21000	29	15	7.9	6.2	60	0	7.6	7.5	380	480	16
JAN												
05...	--	15	7.2	5.7	6.5	33	0	7.8	4.5	--	--	14
APR												
12...	--	17	6.6	6.1	5.0	35	0	6.3	4.8	--	--	11
JUL												
08...	--	17	6.6	5.8	5.0	44	0	6.4	4.0	--	--	10

DATE	TOTAL ARSENIC IN BOTTOM MA- TERIAL (UG/G)	TOTAL CADMIUM IN BOTTOM MA- TERIAL (UG/L)	TOTAL CHRO- MIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL CHRO- MIUM IN BOTTOM MA- TERIAL (UG/L)	TOTAL CHRO- MIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL LEAD IN BOTTOM MA- TERIAL (UG/L)	TOTAL LEAD IN BOTTOM MA- TERIAL (UG/G)	TOTAL MERCURY IN BOTTOM MA- TERIAL (UG/L)	TOTAL MERCURY IN BOTTOM MA- TERIAL (UG/G)	TOTAL ZINC IN BOTTOM MA- TERIAL (UG/L)	TOTAL ZINC IN BOTTOM MA- TERIAL (UG/G)	OIL AND GREASE IN BOT- TOM MA- TERIAL (MG/KG)
OCT												
17...	5	1	<10	15	<10	28	<10	.2	.0	110	25	.0
JAN												
06...	--	6	--	20	--	27	--	.2	--	120	--	--
APR												
12...	--	2	--	30	--	28	--	.0	--	70	--	--
JUL												
08...	--	5	--	30	--	42	--	.3	--	90	--	--

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 (REVISED).--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 September 1975. Prior to July 1931, monthly discharge only, published in WSP 1311.

Gage heights: April 1930 to September 1975 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; and since 1967, referred to gage 1.1 mi (1.8 km) upstream 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: Drainage area.

GAGE.--Water-stage recorder (bridge gage) maintained by Geological Survey. Jan. 1, 1963, to Dec. 31, 1967, supplementary water-stage recorder on left bank near downstream side of bridge, and since Jan. 1, 1968, on left bank at site 1.1 mi (1.8 km) upstream, maintained by Corps of Engineers. Datum of gage is 46.22 ft (14.088 m) above mean sea level (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, 1,600 ft (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; and since Jan. 1, 1968, on left bank at site 1.1 mi (1.8 km) upstream.

All gages at same datum, but readings differ due to slope of water surface between them.

REMARKS.--Records excellent. 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.--47 years, 573,600 ft³/s (16,240 m³/s), 415,570,000 acre-ft/yr (512 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 1975.--Maximum daily discharge, 1,839,000 ft³/s (52,100 m³/s) Apr. 13. Maximum gage height, 47.24 ft (14.399 m) Apr. 14, at bridge gage, 49.81 ft (15.182 m) at supplementary recorder; minimum daily discharge, 289,000 ft³/s (8,180 m³/s) Oct. 16; minimum gage height, 6.90 ft (2.103 m) Sept. 1 at supplementary recorder.

NOTE.--Records for 1976 water year will be published in a subsequent report.

07289000 MISSISSIPPI RIVER AT VICKSBURG, MS--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12.40	7.70	22.50	22.50	29.80	35.20	46.40	39.00	34.30	25.30	15.20	9.60
2	12.40	8.00	22.60	23.00	29.80	36.60	46.90	39.20	33.40	24.50	15.60	9.50
3	11.70	8.30	22.60	23.70	30.00	37.00	47.30	39.40	32.60	23.70	15.50	9.70
4	10.50	9.60	22.50	24.40	30.40	37.50	47.60	40.00	31.90	23.50	14.90	10.00
5	10.20	9.40	21.90	25.50	31.10	38.20	47.90	40.30	31.20	23.40	14.30	10.90
6	10.00	10.40	20.70	26.50	32.00	38.60	48.20	40.60	30.30	23.20	13.70	11.80
7	10.00	11.50	20.10	27.40	32.90	38.90	48.60	41.40	29.40	22.90	13.50	12.60
8	10.20	12.90	19.60	28.20	33.80	39.10	48.90	42.00	28.90	22.40	13.40	12.90
9	10.30	13.90	19.40	28.50	34.60	39.20	49.20	42.40	28.60	21.80	13.30	13.30
10	10.20	14.90	19.70	29.40	35.20	39.40	49.50	42.70	28.50	21.20	13.00	13.80
11	9.90	16.90	20.60	29.90	35.00	39.50	49.60	42.90	28.80	20.90	12.60	14.30
12	9.50	18.50	21.40	30.30	36.00	39.60	49.70	43.00	28.80	21.00	12.20	14.70
13	8.90	20.40	21.40	30.60	36.20	40.00	49.80	43.10	28.40	21.00	12.00	13.90
14	8.00	22.00	21.70	30.80	36.40	40.20	49.80	43.10	27.90	20.80	12.00	13.10
15	7.40	22.90	21.70	31.00	36.50	40.40	49.80	43.20	27.40	20.20	12.00	12.30
16	6.90	23.10	21.90	31.20	37.00	40.50	49.70	43.40	27.20	19.60	11.60	11.80
17	6.90	22.90	22.40	31.60	37.20	41.10	49.40	43.40	26.90	19.00	11.10	11.50
18	7.20	22.50	22.90	32.10	37.20	41.30	49.10	43.20	26.60	18.50	10.60	11.40
19	7.30	22.20	23.20	32.60	37.10	41.50	48.60	43.10	26.40	18.00	10.60	11.50
20	7.20	22.10	23.20	33.00	37.00	41.70	48.20	42.80	26.20	17.30	10.70	11.90
21	7.30	21.90	23.00	33.60	36.60	41.90	47.60	42.50	26.00	16.70	10.70	12.40
22	7.50	22.00	22.80	33.80	36.20	42.40	46.80	42.10	26.00	16.00	10.80	13.00
23	7.50	22.00	22.50	33.80	35.80	42.40	45.70	41.60	26.20	15.60	11.30	13.50
24	7.90	21.80	22.60	33.60	35.30	43.30	44.50	40.90	26.50	15.30	11.70	13.40
25	8.30	21.60	22.70	33.20	34.90	43.60	43.20	40.10	26.80	15.40	12.10	13.10
26	8.40	21.50	22.80	32.60	34.90	43.90	41.90	39.40	26.80	15.40	12.30	12.90
27	8.40	21.80	22.70	32.60	35.40	44.20	40.40	38.60	26.70	15.30	12.10	13.10
28	8.10	22.10	22.40	31.40	35.80	44.70	39.50	37.80	26.40	15.30	11.80	13.80
29	8.10	22.20	22.90	30.80	---	45.10	38.40	36.90	26.20	15.40	11.20	14.60
30	7.60	22.40	22.70	30.40	---	45.60	38.60	36.00	25.90	15.30	10.70	15.00
31	7.40	---	22.60	30.00	---	46.00	---	35.20	---	15.20	10.00	---

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	379000	306000	665000	664000	879000	1110000	1606000	1032000	878000	632000	412000	306000
2	376000	312000	670000	681000	880000	1133000	1640000	1060000	842000	611000	418000	303000
3	366000	318000	664000	699000	891000	1155000	1675000	1089000	821000	587000	411000	311000
4	348000	325000	643000	733000	916000	1170000	1701000	1113000	800000	580000	400000	320000
5	344000	339000	623000	770000	958000	1181000	1729000	1145000	774000	578000	388000	337000
6	345000	357000	601000	802000	995000	1191000	1752000	1175000	754000	576000	378000	369000
7	350000	384000	591000	834000	1026000	1200000	1772000	1203000	731000	573000	369000	382000
8	355000	415000	582000	861000	1041000	1207000	1791000	1224000	719000	567000	366000	392000
9	356000	445000	575000	860000	1082000	1211000	1806000	1239000	712000	556000	362000	400000
10	351000	470000	582000	897000	1101000	1217000	1819000	1250000	711000	542000	360000	407000
11	345000	509000	602000	900000	1119000	1221000	1823000	1254000	723000	536000	356000	411000
12	336000	545000	631000	910000	1129000	1224000	1834000	1261000	736000	538000	352000	403000
13	321000	583000	630000	914000	1138000	1241000	1839000	1264000	729000	532000	351000	398000
14	309000	634000	629000	920000	1141000	1252000	1821000	1271000	717000	522000	351000	381000
15	295000	672000	633000	944000	1148000	1262000	1746000	1276000	700000	511000	350000	370000
16	289000	694000	647000	971000	1158000	1271000	1769000	1280000	688000	501000	341000	360000
17	292000	693000	656000	994000	1161000	1281000	1740000	1282000	680000	491000	329000	351000
18	298000	698000	667000	1020000	1164000	1290000	1702000	1288000	669000	477000	313000	348000
19	298000	681000	680000	1043000	1158000	1294000	1655000	1276000	658000	462000	317000	359000
20	298000	672000	677000	1061000	1139000	1303000	1596000	1249000	648000	449000	319000	370000
21	298000	662000	673000	1073000	1117000	1311000	1516000	1220000	642000	430000	322000	378000
22	301000	654000	669000	1074000	1090000	1331000	1437000	1190000	643000	419000	327000	383000
23	307000	647000	668000	1071000	1053000	1359000	1351000	1159000	649000	412000	336000	392000
24	314000	641000	669000	1047000	1029000	1395000	1268000	1129000	654000	411000	347000	390000
25	321000	636000	670000	1008000	1012000	1418000	1185000	1098000	661000	410000	357000	385000
26	326000	636000	669000	973000	1030000	1440000	1116000	1068000	669000	410000	360000	382000
27	328000	633000	670000	944000	1051000	1455000	1051000	1033000	662000	404000	358000	401000
28	324000	644000	671000	921000	1078000	1490000	1025000	1003000	660000	409000	341000	420000
29	313000	652000	671000	904000	---	1516000	1011000	972000	655000	410000	328000	437000
30	306000	657000	666000	892000	---	1543000	1009000	940000	649000	409000	317000	451000
31	303000	---	663000	882000	---	1575000	---	902000	---	408000	310000	---
TOTAL	10092000	14514000	20007000	28314000	29688000	40262000	46835000	35950000	21234000	15358000	10946000	11298000
MEAN	325548	550466	645387	913483	1060285	1298774	1561166	1159677	707800	495419	353096	376600
MAX	379000	694000	680000	1074000	1168000	1575000	1839000	1282000	878000	632000	418000	451000
MIN	289000	306000	575000	664000	879000	1110000	1009000	902000	642000	404000	310000	303000
AC-FT	20020000	32760000	36680000	56170000	58890000	79860000	92500000	71310000	42120000	30460000	21710000	22410000
CAL YR 1974	TOTAL	297383000	MEAN	814747	MAX	1526000	MIN	289000	AC-FT	584900000		
WTR YR 1975	TOTAL	286502000	MEAN	784936	MAX	1834000	MIN	289000	AC-FT	568300000		

MISSISSIPPI RIVER MAIN STEM

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.

EXTREMES OUTSIDE PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 510 micromhos Nov. 18, 1974; minimum, 181 micromhos May 3, 1973.

WATER TEMPERATURES: Maximum, 30.0°C Aug. 28-Sept. 5, 1975; minimum, 4.0°C Jan. 15, 1974.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum daily, 482 micromhos Sept. 19; minimum daily, 259 micromhos Jan. 13.

WATER TEMPERATURES: Maximum daily, 30.5°C July 25-Aug. 2; minimum daily, 4.0°C Jan. 9-13, 18-23.

WATER QUALITY DATA, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	TIME	INSTANTANEOUS DIS- CHARGE (CFS)	SPECIFIC CON- DUCTANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	TUR- BID- ITY (JTU)	DIS- SOLVED OXYGEN (MG/L)	FECAL COLI- FORM (COL. PER 100 ML)	STREP- TOCOC- CI (COL- ONIES PER 100 ML)	HARD- NESS (CA, MG)	NON- CAR- BONATE HARD- NESS (MG/L)	DIS- SOLVED CAL- CIUM (CA)
OCT												
15...	1200	340000	440	7.5	21.5	25	8.3	270	8120	180	66	50
NOV												
06...	1200	440000	340	7.7	17.0	40	7.0	--	--	130	41	37
DEC												
12...	1200	633000	349	7.9	8.0	60	8.4	250	410	140	48	38
JAN												
15...	1300	912000	280	7.5	3.5	90	10.5	--	--	120	36	32
FEB												
10...	1300	725000	350	7.9	3.5	110	9.5	8520	8260	120	35	34
MAR												
02...	1200	962000	310	7.3	11.0	100	10.4	660	310	110	39	31
APR												
06...	1200	834000	325	7.3	15.0	85	9.0	600	8140	120	36	33
MAY												
05...	1300	645000	425	7.4	17.0	110	8.1	--	--	150	41	39
JUN												
02...	1200	430000	425	7.2	22.0	65	7.1	811000	366	170	53	43
JUL												
07...	1300	471000	400	7.3	26.0	65	6.0	81600	8120	140	47	38
28...	1200	345000	420	7.6	29.0	20	--	820000	8110	160	53	43
AUG												
11...	1100	298000	434	8.0	27.5	20	7.8	--	50	170	56	43
SEP												
08...	1100	230000	400	7.5	26.0	15	6.7	660	840	150	34	39

DATE	DIS- SOLVED MAG- NE- SIUM (MG)	DIS- SOLVED SODIUM (NA)	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO	DIS- SOLVED PO- TAS- SIUM (K)	BICAR- BONATE (HCO3)	CAR- BONATE (CO3)	ALKA- LINITY AS CACO3	DIS- SOLVED SULFATE (SO4)	DIS- SOLVED CHLO- RIDE (CL)	DIS- SOLVED FLUO- RIDE (F)	DIS- SOLVED SILICA (SiO2)
OCT												
15...	14	25	23	.8	3.2	139	0	114	76	17	.3	5.6
NOV												
06...	10	18	22	.7	2.8	113	0	93	54	14	.2	6.1
DEC												
12...	12	20	23	.7	2.9	117	0	96	56	18	.3	5.2
JAN												
15...	8.6	11	17	.4	2.2	97	0	80	39	12	.3	6.1
FEB												
10...	9.2	13	18	.5	2.1	107	0	88	39	15	.2	6.4
MAR												
02...	9.1	13	19	.5	2.3	93	0	76	45	14	.2	6.1
APR												
06...	9.3	12	18	.5	.7	103	0	84	43	13	.2	6.4
MAY												
05...	13	18	20	.6	2.9	134	0	110	50	19	.3	6.2
JUN												
02...	14	20	21	.7	2.9	137	0	112	50	24	.1	5.4
JUL												
07...	11	22	25	.8	3.1	114	0	94	54	25	.3	4.7
28...	13	22	23	.8	3.1	132	0	108	58	43	.3	3.8
AUG												
11...	14	23	23	.8	3.1	139	0	114	67	20	--	--
SEP												
08...	13	22	24	.8	3.0	143	0	117	60	15	.4	2.8

07289000 MISSISSIPPI RIVER AT VICKSBURG, MS--CONTINUED

DATE	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L)	DIS- SOLVED SOLIDS (SUM OF CONSTI- TUENTS) (MG/L)	DIS- SOLVED SOLIDS (TONS PER AC-FT)	DIS- SOLVED SOLIDS (TONS PER DAY)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL PHYTO- PLANK- TON (CELLS PER ML)	SUS- PENDE SEDIM- ENT DIS- CHARGE (T/DAY)	
OCT 15...	242	260	.33	222000	.68	.62	1.3	5.8	.14	24000	88	80800
NOV 05...	197	198	.27	234000	.68	.49	1.2	5.2	.15	1700	134	159000
DEC 12...	236	210	.32	403000	.72	.73	1.5	6.4	.21	2300	317	542000
JAN 15...	164	159	.22	404000	.99	.66	1.7	7.3	.29	7400	561	1380000
FEB 10...	168	172	.23	329000	1.0	1.0	2.0	8.9	.32	2100	365	714000
MAR 02...	186	167	.25	483000	1.2	.98	2.2	9.7	.34	1300	--	--
APR 06...	204	168	.28	459000	1.5	2.9	4.4	19	.33	2900	255	574000
MAY 05...	220	214	.30	383000	1.3	1.2	2.5	11	.32	4900	457	796000
JUN 02...	266	227	.36	309000	1.8	.65	2.5	11	.19	4500	240	279000
JUL 07...	248	214	.34	315000	1.3	.66	2.0	8.7	.35	7300	280	356000
AUG 28...	266	252	.36	248000	.90	.63	1.5	6.8	.11	15000	152	142000
SEP 11...	--	--	--	--	.65	.65	1.3	5.8	.10	7500	--	--
OCT 08...	274	226	.37	170000	.38	.46	.84	3.7	.10	17000	134	83200

DATE	TOTAL ARSENIC (AS) (UG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	TOTAL CAD- MIUM (CD) (UG/L)	SUS- PENDE CAD- MIUM (CD) (UG/L)	DIS- SOLVED CAD- MIUM (CD) (UG/L)	TOTAL CHRO- MIUM (CR) (UG/L)	SUS- PENDE CHRO- MIUM (CR) (UG/L)	DIS- SOLVED CHRO- MIUM (CR) (UG/L)	TOTAL COBALT (CO) (UG/L)	SUS- PENDE COBALT (CO) (UG/L)	DIS- SOLVED COBALT (CO) (UG/L)	TOTAL COPPER (CU) (UG/L)
OCT 15...	0	0	0	0	0	11	11	0	0	0	0	16
JAN 15...	3	1	2	1	1	<10	<5	5	0	0	0	35
APR 06...	4	1	1	1	0	20	20	0	3	3	0	14
JUL 07...	5	2	16	11	5	20	20	0	3	3	0	14
AUG 11...	2	1	0	0	0	40	--	--	--	--	--	7

DATE	SUS- PENDE COPPER (CU) (UG/L)	DIS- SOLVED COPPER (CU) (UG/L)	TOTAL IRON (FE) (UG/L)	DIS- SOLVED IRON (FE) (UG/L)	TOTAL LEAD (PBT) (UG/L)	SUS- PENDE LEAD (PBT) (UG/L)	DIS- SOLVED LEAD (PBT) (UG/L)	TOTAL MAN- GANESE (MN) (UG/L)	SUS- PENDE MAN- GANESE (MN) (UG/L)	DIS- SOLVED MAN- GANESE (MN) (UG/L)	TOTAL MERCURY (HG) (UG/L)	SUS- PENDE MERCURY (HG) (UG/L)
OCT 15...	13	3	1600	20	16	13	3	150	140	10	.1	.1
JAN 15...	19	16	5500	90	22	13	9	290	270	20	.3	.3
APR 06...	4	10	6700	50	10	10	0	210	210	0	.0	.0
JUL 07...	10	4	6100	20	130	110	24	220	220	0	.3	.1
AUG 11...	4	3	--	0	4	4	0	120	120	0	.2	.0

DATE	DIS- SOLVED MERCURY (HG) (UG/L)	TOTAL SELF- NITRUM (SE) (UG/L)	SUS- PENDE SELF- NITRUM (SE) (UG/L)	DIS- SOLVED SELF- NITRUM (SE) (UG/L)	TOTAL ZINC (ZN) (UG/L)	SUS- PENDE ZINC (ZN) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)	TOTAL ORGANIC CARBON (C) (MG/L)	PERI- PHYTON BIOMASS ASH WGT/WT G/SQ M	PERI- PHYTON BIOMASS TOTAL DRY WGT/WT G/SQ M	UNCOR- RECTED PERI- PHYTON CHLORO- PHYLL A MG/SQ M	UNCOR- RECTED PERI- PHYTON CHLORO- PHYLL B MG/SQ M
OCT 15...	.0	0	0	0	40	30	10	4.2	.400	2.30	24.0	26.0
JAN 15...	.0	0	0	0	80	60	20	7.8	--	--	--	--
APR 06...	.0	0	0	0	60	50	10	6.5	--	--	--	--
JUL 07...	.2	1	1	0	50	30	20	4.4	--	--	--	--
AUG 11...	.2	--	--	--	290	270	20	3.6	--	--	--	--

MISSISSIPPI RIVER MAIN STEM

07289000 MISSISSIPPI RIVER AT VICKSBURG, MS--CONTINUED

DATE	CHEMICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL ORTHO PHOS- PHORUS (P) (MG/L)	TOTAL NICKEL (NI) (UG/L)	SUS- PENDED NICKEL (NI) (UG/L)	DIS- SOLVED NICKEL (NI) (UG/L)	CYANIDE (CN) (MG/L)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)
AUG 11...	16	.65	.00	.01	.64	.04	8	6	2	.00	6	0

DATE	TOTAL ARSENIC IN BOTTOM MA- TERIAL (UG/G)	TOTAL CADMIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL CH-0- MUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL COPPER IN BOTTOM MA- TERIAL (UG/G)	TOTAL IRON IN BOTTOM MA- TERIAL (UG/G)	TOTAL LEAD IN BOTTOM MA- TERIAL (UG/G)	TOTAL MANGA- NESE IN BOTTOM MA- TERIAL (UG/G)	TOTAL MERCURY IN BOTTOM MA- TERIAL (UG/G)	TOTAL ZINC IN BOTTOM MA- TERIAL (UG/G)
AUG 11...	2	<10	<10	<10	1300	<10	40	.0	<10

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	TOTAL PCP (UG/L)	PCP IN BOTTOM MA- TERIAL (UG/KG)	POLY- CHLO- RINATED NAPH- THA- LENES (UG/L)	TOTAL ALDRIN (UG/L)	ALDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL CHLOR- DANE (UG/L)	CHLOR- DANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDD (UG/L)	DDD IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDE (UG/L)	DDE IN BOTTOM MA- TERIAL (UG/KG)
AUG 11...	.0	0	.00	.00	.0	.0	0	.00	.0	.00	.0

DATE	TOTAL DDT (UG/L)	DDT IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DI- AZINON (UG/L)	DI- AZINON IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DI- ELDRIN (UG/L)	DI- ELDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ENDRIN (UG/L)	ENDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ETHION (UG/L)	ETHION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR (UG/L)
AUG 11...	.00	.0	.01	.0	.00	.0	.00	.0	.00	.0	.00

DATE	HEPTA- CHLOR IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR EPOXIDE (UG/L)	HEPTA- CHLOR EPOXIDE IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL LINDANE (UG/L)	LINDANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL MALA- THION (UG/L)	MALA- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL METHYL PARA- THION (UG/L)	METHYL PARA- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL METHYL TRI- THION (UG/L)
AUG 11...	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00

DATE	METHYL TRI- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL PARA- THION (UG/L)	PARA- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL TOX- APHENE (UG/L)	TOX- APHENE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL TRI- THION (UG/L)	TRI- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)
AUG 11...	.0	.00	.0	0	0	.00	.0	.00	.02	.00

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH		
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	463	450	369	359	---	---	338	326	319	306	294	290
2	448	409	361	345	---	---	348	330	317	304	294	284
3	407	392	366	341	---	---	348	331	306	289	290	284
4	413	395	369	331	---	---	333	328	291	281	290	283
5	445	415	392	328	---	---	330	318	289	281	297	287
6	455	446	---	---	---	---	322	308	299	289	299	287
7	448	431	---	---	---	---	324	307	290	286	288	287
8	445	431	397	378	---	---	316	306	289	281	299	288
9	450	443	403	382	---	---	311	294	294	286	290	286
10	451	446	---	---	---	---	301	287	298	288	292	283
11	450	443	---	---	---	---	295	286	305	291	297	288
12	455	446	---	---	---	---	287	269	304	295	306	294
13	463	457	---	---	348	336	272	259	311	299	329	303
14	461	453	---	---	342	323	274	267	329	307	330	310
15	457	446	---	---	326	314	276	269	---	---	316	292
16	453	431	---	---	327	324	272	268	---	---	296	286
17	433	418	---	---	337	328	271	264	---	---	293	282
18	419	401	---	---	347	337	268	265	---	---	287	279
19	407	396	---	---	350	343	273	267	---	---	288	284
20	406	394	---	---	348	341	284	273	---	---	299	281
21	406	395	---	---	353	348	286	273	---	---	302	291
22	404	395	---	---	354	346	283	275	---	---	316	302
23	414	402	---	---	355	346	287	281	---	---	326	316
24	414	410	---	---	352	346	294	281	329	324	339	326
25	416	396	---	---	357	351	297	286	325	295	337	324
26	395	356	---	---	352	348	294	288	297	286	345	324
27	355	338	---	---	351	336	294	287	287	283	350	337
28	339	332	---	---	340	326	296	288	289	285	354	346
29	342	330	---	---	342	335	304	294	292	287	357	340
30	363	343	---	---	343	338	309	297	---	---	350	339
31	365	351	---	---	338	326	322	309	---	---	343	326
MONTH	463	330	---	---	---	---	348	259	---	---	357	279
APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER		
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	335	324	412	397	404	400	---	---	433	428	---	---
2	331	319	413	401	414	402	---	---	428	419	---	---
3	328	319	404	394	421	414	---	---	---	---	---	---
4	326	317	398	389	429	418	---	---	---	---	---	---
5	326	322	394	373	439	428	---	---	---	---	---	---
6	324	314	371	344	451	436	---	---	---	---	---	---
7	319	308	350	334	464	453	---	---	---	---	---	---
8	314	308	334	319	464	446	---	---	---	---	---	---
9	311	306	325	318	448	429	---	---	---	---	---	---
10	312	307	324	319	432	416	---	---	---	---	---	---
11	312	306	328	322	422	412	---	---	---	---	---	---
12	312	307	343	326	414	401	459	455	455	451	---	---
13	314	309	351	340	410	401	459	455	453	434	---	---
14	315	307	365	345	424	412	451	441	434	428	---	---
15	326	316	366	356	426	413	441	429	434	428	---	---
16	336	327	371	362	---	---	431	416	450	433	---	---
17	344	335	381	371	---	---	415	404	451	448	476	463
18	352	344	391	381	---	---	412	406	457	450	472	461
19	360	351	407	391	---	---	421	412	464	459	482	476
20	367	357	410	401	---	---	428	421	470	463	478	457
21	367	356	410	398	---	---	429	424	466	453	459	450
22	374	362	410	400	---	---	429	421	461	453	451	443
23	385	374	401	385	---	---	421	410	461	455	453	445
24	406	386	388	371	---	---	418	413	468	463	451	445
25	410	397	376	371	---	---	422	418	464	446	466	451
26	412	403	386	376	---	---	424	421	470	446	468	457
27	406	389	401	386	---	---	431	424	472	459	459	443
28	394	385	395	389	---	---	431	428	---	---	459	443
29	397	392	392	385	---	---	431	419	---	---	468	459
30	397	394	395	385	---	---	422	416	---	---	468	453
31	---	---	395	392	---	---	429	419	---	---	---	---
MONTH	412	306	413	318	---	---	---	---	---	---	---	---
YEAR	482	259										

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

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

07289000 MISSISSIPPI RIVER AT VICKSBURG, MS--CONTINUED

ANALYSES OF BIOLOGICAL DATA, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

OCT. 15, 1975
1200 HOURS

IDENTIFICATION OF PHYTOPLANKTON

25,000 CELLS/ML

ORGANISM NAME	COMMON NAME	CELLS/ML	PER CENT
CHLOROPHYTA	GREEN ALGAE		
..CHLOROPHYCEAE			
...CHLOROCOCCALES			
...HYDRODICTYACEAE			
....PENTASTRUM		11,000	44
....OCCYSTACEAE			
....ANKISTRODESMIUS		180	1
....DICTYOSPHAERIUM		2,800	11
...SCENEDESMACEAE			
...SCENEDESMUS		700	3
..VOLVOCALES			
...CHLAMYDOMONADACEAE			
...CHLAMYDOMONAS		530	2
CHRYSOPHYTA			
..BACILLARIOPHYCEAE	DIATOMS		
..CENTRALES	CENTRIC		
...COSCINODISCACEAE			
...CYCLOTELLA		3,300	14
...MELOSTRA		4,800	19
..PENNALES	PENNATE		
...GOMPHONEMACEAE			
...GOMPHONEMA			0
...NITZSCHACEAE			
...NITZSCHIA		1,400	6

NOV. 6, 1975
1200 HOURS

IDENTIFICATION OF PHYTOPLANKTON

1,800 CELLS/ML

ORGANISM NAME	COMMON NAME	CELLS/ML	PER CENT
CHLOROPHYTA	GREEN ALGAE		
..CHLOROPHYCEAE			
...CHLOROCOCCALES			
...SCENEDESMACEAE			
....ACTINASTRUM			0
....SCENEDESMUS		260	15
CHRYSOPHYTA			
..BACILLARIOPHYCEAE	DIATOMS		
..CENTRALES	CENTRIC		
...COSCINODISCACEAE			
...CYCLOTELLA		510	29
...MELOSTRA		450	25
..PENNALES	PENNATE		
...NAVICULACEAE	NAVICULOID		
...NAVICULA		32	2
...NITZSCHACEAE			
...NITZSCHIA		350	20
CYANOPHYTA	BLUE-GREEN ALGAE		
..MYXOPHYCEAE			
...OSCILLATORIALES	FILAMENTOUS		
...NOSTOCACEAE			
...ANABAEANA		130	7
EUGLENOPHYTA	EUGLENOIDS		
..EUGLENOPHYCEAE			
...EUGLENALES			
...EUGLENACEAE			
....TRACHELOMONAS		32	2

07289000 MISSISSIPPI RIVER AT VICKSBURG, MS--CONTINUED

ANALYSES OF BIOLOGICAL DATA, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DEC. 12, 1975
1200 HOURS

IDENTIFICATION OF PHYTOPLANKTON

2,300 CELLS/ML

ORGANISM NAME	COMMON NAME	CELLS/ML	PER CENT
CHLOROPHYTA	GREEN ALGAE		
..CHLOROPHYCEAE			
..CHLOROCOCCALES			
...SCENEDESMACEAE			
....TETRASTRUM			0
CHRYSTOPHYTA			
..BACILLARIOPHYCEAE	DIATOMS		
..CENTRALES	CENTRIC		
...COSCINOIDISCEAE			
....CYCLOTELLA		800	35
....MELOSIWA		1,300	59
..PENNALES	PENNATE		
...NAVICULACEAE	NAVICULOID		
....NAVICULA		130	6
...SURIPELLACEAE			
....SURIPELLA			0

JAN. 15, 1976
1300 HOURS

IDENTIFICATION OF PHYTOPLANKTON

7,400 CELLS/ML

ORGANISM NAME	COMMON NAME	CELLS/ML	PER CENT
CHLOROPHYTA	GREEN ALGAE		
..CHLOROPHYCEAE			
..CHLOROCOCCALES			
...SCENEDESMACEAE			
....SCENEDESMUS		190	3
CHRYSTOPHYTA			
..BACILLARIOPHYCEAE	DIATOMS		
..CENTRALES	CENTRIC		
...COSCINOIDISCEAE			
....CYCLOTELLA		1,500	21
....MELOSIWA		3,000	41
..PENNALES	PENNATE		
...CYMBELLACEAE			
....CYMBELLA		95	1
...DIATOMACEAE			
....DIATOMA		95	1
...FRAGILARIACEAE			
....FRAGILARIA		1,800	24
...NAVICULACEAE	NAVICULOID		
....NAVICULA		190	3
...NITZSCHACEAE			
....NITZSCHIA		380	5
...ACHNANTHACEAE			
....RHOICOSPHENIA		95	1
CYANOPHYTA	BLUE-GREEN ALGAE		
..MYXOPHYCEAE			
...OSCILLATORIALES	FILAMENTOUS		
....OSCILLATOIACEAE			
....LYNGBYA			0
....OSCILLATORIA			0

07289000 MISSISSIPPI RIVER AT VICKSBURG, MS--CONTINUED

ANALYSES OF BIOLOGICAL DATA, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

FEB. 19, 1976
1300 HOURS

IDENTIFICATION OF PHYTOPLANKTON

2.100 CELLS/ML

ORGANISM NAME	COMMON NAME	CELLS/ML	PER CENT
CHRYSTOPHYTA			
..BACILLARIOPHYCEAE	DIATOMS		
..CENTRALES	CENTRIC		
...COSCINODISCEAE			
....CYCLOTELLA		1,800	87
....MELOSTRA			0
..PENNACEAE	PENNATE		
...FRAGILARIACEAE			
....ASTERIONELLA			0
....FRAGILARIA			0
....SYNEDRA			0
...NAVICULACEAE	NAVICULOID		
....NAVICULA			0
...NITZSCHACEAE			
....NITZSCHIA		280	13

MAR. 2, 1976
1200 HOURS

IDENTIFICATION OF PHYTOPLANKTON

1.300 CELLS/ML

ORGANISM NAME	COMMON NAME	CELLS/ML	PER CENT
CHRYSTOPHYTA			
..BACILLARIOPHYCEAE	DIATOMS		
..CENTRALES	CENTRIC		
...COSCINODISCEAE			
....CYCLOTELLA		560	44
....MELOSTRA		490	39
..PENNACEAE	PENNATE		
...FRAGILARIACEAE			
....ASTERIONELLA		71	6
...GOMPHONEMACEAE			
....GOMPHONEMA			0
...NAVICULACEAE	NAVICULOID		
....NAVICULA		140	11
...NITZSCHACEAE			
....NITZSCHIA			0
EUGLENOPHYTA	EUGLENOIDS		
..EUGLENOPHYCEAE			
...EUGLENALES			
...EUGLENACEAE			
....EUGLENA			0

07289000 MISSISSIPPI RIVER AT VICKSBURG, MS--CONTINUED

ANALYSES OF BIOLOGICAL DATA, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

APR. 6, 1976

1200 HOURS

IDENTIFICATION OF PHYTOPLANKTON

2,900 CELLS/ML

ORGANISM NAME	COMMON NAME	CELLS/ML	PER CENT
CHLOROPHYTA	GREEN ALGAE		
CHLOROPHYCEAE			
CHLOROCOCCALES			
SCENEDESMACEAE			
SCENEDESMUS		480	17
TETRASTRUM			0
CHRYSOPHYTA			
BACILLARIOPHYCEAE	DIATOMS		
CENTRALES	CENTRIC		
COSCINOIDISCACEAE			
CYCLOTELLA		120	4
MELOSIIRA		1,900	67
PENNALES	PENNATE		
DIATOMACEAE			
DIATOMA			0
FRAGILARIACEAE			
ASTERIONELLA		120	4
NAVICULACEAE	NAVICULOID		
NAVICULA		120	4
NITZSCHACEAE			
NITZSCHIA		120	4

MAY 5, 1976

1300 HOURS

IDENTIFICATION OF PHYTOPLANKTON

4,900 CELLS/ML

ORGANISM NAME	COMMON NAME	CELLS/ML	PER CENT
CHLOROPHYTA	GREEN ALGAE		
CHLOROPHYCEAE			
CHLOROCOCCALES			
OCCYSTACEAE			
ANKISTRODES MUS		160	3
SELENASTRUM		81	2
SCENEDESMACEAE			
ACTINASTRUM		240	5
SCENEDESMUS		410	8
VOLVOCALES			
CHLAMYDOMONADACEAE			
CHLAMYDOMONAS		120	3
CHRYSOPHYTA			
BACILLARIOPHYCEAE	DIATOMS		
CENTRALES	CENTRIC		
COSCINOIDISCACEAE			
CYCLOTELLA		1,800	37
MELOSIIRA		490	10
PENNALES	PENNATE		
FRAGILARIACEAE			
ASTERIONELLA		120	3
NAVICULACEAE	NAVICULOID		
NAVICULA		41	1
NITZSCHACEAE			
NITZSCHIA		200	4
SURIRELLACEAE			
SURIRELLA		200	4
CYANOPHYTA	BLUE-GREEN ALGAE		
MYXOPHYCEAE			
CHROOCOCCALES	COCCOID		
CHROOCOCCACEAE			
ANACYSTIS		1,000	21

07289000 MISSISSIPPI RIVER AT VICKSBURG, MS--CONTINUED

ANALYSES OF BIOLOGICAL DATA, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

JUNE 2, 1976
1200 HOURS

IDENTIFICATION OF PHYTOPLANKTON

4,500 CELLS/ML

ORGANISM NAME	COMMON NAME	CELLS/ML	PER_CENT
CHLOROPHYTA	GREEN ALGAE		
..CHLOROPHYCEAE			
...CHLOROCOCCALES			
....SCENEDESMACEAE			
....SCENEDESMUS		300	7
....TETRASTRUM		900	20
..VOLVOCALES			
...CHLAMYDOMONADACEAE			
....CHLAMYDOMONAS		75	2
CHRYSOPHYTA			
..BACILLARIOPHYCEAE	DIATOMS		
..CENTRALES	CENTRIC		
...COSCINODISCAEAE			
....CYCLOTELLA		530	12
....MELOSIWA		2,500	55
..PENNALES	PENNATE		
...NAVICULACEAE	NAVICULOID		
....NAVICULA		75	2
...NITZSCHIAEAE			
....NITZSCHIA		75	2
EUGLENOPHYTA	EUGLENOIDS		
..EUGLENOPHYCEAE			
..EUGLENALES			
...EUGLENACEAE			
....EUGLENA		75	2

JULY 7, 1976
1300 HOURS

IDENTIFICATION OF PHYTOPLANKTON

7,300 CELLS/ML

ORGANISM NAME	COMMON NAME	CELLS/ML	PER_CENT
CHLOROPHYTA	GREEN ALGAE		
..CHLOROPHYCEAE			
...CHLOROCOCCALES			
....OCCYSTACEAE			
....ANKISTRODESMUS		78	1
....KIRCHNERIELLA		78	1
...SCENEDESMACEAE			
....ACTINASTRUM		620	9
....SCENEDESMUS		160	2
CHRYSOPHYTA			
..BACILLARIOPHYCEAE	DIATOMS		
..CENTRALES	CENTRIC		
...COSCINODISCAEAE			
....CYCLOTELLA		850	12
....STEPHANODISCUS		160	2
..PENNALES	PENNATE		
...NAVICULACEAE	NAVICULOID		
....NAVICULA		78	1
...NITZSCHIAEAE			
....NITZSCHIA		78	1
CYANOPHYTA	BLUE-GREEN ALGAE		
..MYXOPHYCEAE			
...OSCILLATORIALES	FILAMENTOUS		
...NOSTOCACEAE			
....ANABAEANA		1,600	21
....APHANIZOMENON		3,600	49
PYRRHOPHYTA			
..DINOPHYCEAE	DINOFLAGELLATES		
...PERIDINIALES			
....PERIDINIACEAE			
....PERIDINIUM		78	1

07289000 MISSISSIPPI RIVER AT VICKSBURG, MS--CONTINUED

ANALYSES OF BIOLOGICAL DATA, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

JULY 28, 1976
1200 HOURS

IDENTIFICATION OF PHYTOPLANKTON

15,000 CELLS/ML

ORGANISM NAME	COMMON NAME	CELLS/ML	PER CENT
CHLOROPHYTA	GREEN ALGAE		
..CHLOROPHYCEAE			
...CHLOROCOCCALES			
...OCCYSTACEAE			
...KIRCHNERIELLA		210	1
...SCENEDESMACEAE			
...SCENEDESMUS		830	6
CHRYSTOPHYTA			
..RACILLARIOPHYCEAE	DIATOMS		
..CENTRALES	CENTRIC		
...COSCINODISCACEAE			
...CYCLOTELLA		3,100	21
...MELOSIRA		6,000	40
..PENNALES	PENNATE		
...ACHNANTHACEAE			
...COCCONEIS			0
...NAVICULACEAE	NAVICULOID		
...NAVICULA		210	1
...NITZSCHACEAE			
...NITZSCHIA		620	4
CYANOPHYTA	BLUE-GREEN ALGAE		
..MYXOPHYCEAE			
..OSCILLATORIALES	FILAMENTOUS		
...NOSTOCACEAE			
...ANABAEANA			0
..OSCILLATORIACEAE			
...LYNGBYA		1,000	7
...OSCILLATORIA		2,900	19
EUGLENOPHYTA	EUGLENOIDS		
..EUGLENOPHYCEAE			
..EUGLENALS			
..EUGLENACEAE			
...TRACHELUMONAS			0

AUG. 11, 1976
1100 HOURS

IDENTIFICATION OF PHYTOPLANKTON

7,500 CELLS/ML

ORGANISM NAME	COMMON NAME	CELLS/ML	PER CENT
CHLOROPHYTA	GREEN ALGAE		
..CHLOROPHYCEAE			
...CHLOROCOCCALES			
...HYDRODICTYACEAE			
...PEDIASTRUM		490	7
...OCCYSTACEAE			
...DICTYOSPHAERIUM		560	7
...SELENASTRUM		200	3
...SCENEDESMACEAE			
...SCENEDESMUS		160	2
CHRYSTOPHYTA			
..RACILLARIOPHYCEAE	DIATOMS		
..CENTRALES	CENTRIC		
...COSCINODISCACEAE			
...CYCLOTELLA		1,500	20
...MELOSIRA		1,200	16
..PENNALES	PENNATE		
...ACHNANTHACEAE			
...ACHNANTHES		160	2
...FRAGILARIACEAE			
...ASTERIONELLA		400	5
...GOMPHONEMACEAE			
...GOMPHONEMA			0
CYANOPHYTA	BLUE-GREEN ALGAE		
..MYXOPHYCEAE			
..CHROOCOCCALES	COCOCOT		
...CHROOCOCCACEAE			
...AGMENELLUM		790	10
..OSCILLATORIALES	FILAMENTOUS		
...OSCILLATORIACEAE			
...OSCILLATORIA		2,100	28

07289000 MISSISSIPPI RIVER AT VICKSBURG, MS--CONTINUED

ANALYSES OF BIOLOGICAL DATA, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

SEP. 4, 1976
1100 HOURS

IDENTIFICATION OF PHYTOPLANKTON

17,000 CELLS/ML

ORGANISM NAME	COMMON NAME	CELLS/ML	PER CENT
CHLOROPHYTA	GREEN ALGAE		
..CHLOROPHYCEAE			
...CHLOROCOCCALES			
...HYDRODICTYACEAE			
...PEODIATRUM			0
...OCCYSTACEAE			
...ANKISTRODESMIUS			0
...KIRCHNERIELLA		510	3
...OOCYSTIS		450	3
...TETRAEDRON		190	1
...SCENEDESMACEAE			
...ACTINASTRUM		2,100	12
...SCENEDESMUS		640	4
...TETRASTRUM			0
..VOLVOCALES			
...CHLAMYDOMONADACEAE			
...CHLAMYDOMONAS		130	1
CHRYSOPHYTA			
..BACILLARIOPHYCEAE	DIATOMS		
..CENTRALES	CENTRIC		
...GOSCIINODISCACEAE			
...CYCLOTELLA		1,200	7
...MELOSIRA		1,000	6
...STEPHANODISCUS			0
..PENNALES	PENNATE		
...NITZSCHACEAE			
...NITZSCHIA		830	5
CYANOPHYTA	BLUE-GREEN ALGAE		
..MYXOPHYCEAE			
..CHROOCOCCALES	COCCOID		
...CHROOCOCCACEAE			
...ANACYSTIS		2,200	13
..OSCILLATORIALES	FILAMENTOUS		
...NOSTOCACEAE			
...APHANIZOMENON			0
...OSCILLATORIA			
...OSCILLATORIA		6,800	40
...RIVULARIACEAE			
...RAPHIIDIOPSIS		450	3
EUGLENOPHYTA	EUGLENOIDS		
..CRYPTOPHYCEAE	CRYPTOMONADS		
...CRYPTOMONIDAE			
...CRYPTOMONODACEAE			
...CRYPTOMONAS			0
..EUGLENOPHYCEAE			
..EUGLENALES			
...EUGLENACEAE			
...EUGLENA			0
...TRACHELOMONAS		190	1
PYRRHOPHYTA			
..DINOPHYCEAE	DINOFLAGELLATES		
...PERIDINIALES			
...GLENODINIACEAE			
...GLENODINIUM			0

BIG BLACK RIVER BASIN

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) above mean sea level. 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.--5 years, 1,794 ft³/s (50.81 m³/s), 24.73 in/yr (628 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, 40 ft³/s (1.13 m³/s) Sept. 16, 1972, gage height, 1.12 ft (0.341 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)
Mar. 9	1930	10,600 300	19.86 6.053	Mar. 31	1630	*11,000 312	20.00 6.096

Minimum discharge, 57 ft³/s (1.61 m³/s) Aug. 25, 26, 27, gage height, 1.79 ft (0.546 m)

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	335	247	1440	2430	2240	648	10400	253	324	288	90	164
2	982	222	1330	1860	1040	592	10100	264	395	230	84	201
3	809	200	1160	2670	716	547	9080	261	737	210	84	497
4	467	202	872	4180	616	519	7580	240	853	200	91	659
5	232	840	651	3830	561	950	5800	233	586	1030	82	471
6	161	1560	862	3830	1670	2500	3920	232	367	1300	77	384
7	137	2230	2450	4960	3270	3160	2760	621	285	1080	74	208
8	133	2660	3110	4680	3920	3400	1440	1170	170	677	72	158
9	134	2490	2750	3520	7160	7940	788	1270	150	200	69	214
10	132	2360	2490	2810	7420	8210	631	1210	142	130	67	344
11	119	2670	2270	2440	6020	6960	551	942	138	120	66	471
12	112	2660	1470	2360	4000	6760	508	756	132	110	65	332
13	105	2500	770	2070	2940	5700	473	990	128	100	63	175
14	99	1920	592	2190	1470	3820	453	2150	120	95	63	116
15	99	1480	532	2220	802	3490	446	3520	213	520	62	95
16	239	1020	617	1910	666	3940	430	3630	509	350	62	86
17	2730	624	835	1680	620	3840	396	3420	1930	150	61	82
18	8480	464	952	1280	2160	3460	365	3460	1860	100	60	80
19	7660	401	845	878	3640	4220	342	3060	1650	250	59	88
20	7880	372	638	712	3960	3920	319	1890	1350	140	61	85
21	7380	526	530	651	4520	4380	299	684	890	110	60	93
22	5820	600	485	613	7460	6100	290	421	522	100	59	89
23	3940	520	450	578	5780	5800	277	345	325	94	58	82
24	3140	463	421	550	4240	7290	263	306	251	92	58	80
25	1660	460	694	814	3740	6400	281	305	231	90	58	79
26	596	490	1910	2730	3140	4660	429	323	240	88	58	78
27	700	1250	2060	3860	2020	5520	490	293	850	86	60	77
28	630	1330	1870	3460	998	6420	359	337	669	85	77	77
29	504	1310	2260	3880	737	6300	290	422	624	86	357	77
30	381	1250	2950	4380	---	9680	260	446	529	160	219	97
31	293	---	2990	3420	---	10700	---	390	---	100	243	---
TOTAL	56089	35321	43256	77446	87526	147816	60020	33844	17170	8371	2719	5739
MEAN	1809	1177	1395	2458	3018	4768	2001	1092	572	270	87.7	191
MAX	8480	2670	3110	4960	7460	10700	10400	3630	1930	1300	357	659
MIN	99	200	421	550	561	519	260	232	120	85	58	77
CFSM	1.84	1.19	1.42	2.54	3.06	4.84	2.03	1.11	.58	.27	.09	.19
IN.	2.12	1.33	1.63	2.92	3.31	5.58	2.27	1.28	.65	.32	.10	.22

CAL YR 1975 TOTAL 746144 MEAN 2044 MAX 22000 MIN 99 CFSM 2.08 IN 28.18
WTR YR 1976 TOTAL 575317 MEAN 1572 MAX 10700 MIN 58 CFSM 1.60 IN 21.73

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) above mean sea level, 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.--40 years, 3,569 ft³/s (101.07 m³/s); 17.25 in/yr (438 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 63,500 ft³/s (1,800 m³/s) Dec. 20, 1961, gage height, 40.53 ft (12.354 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 above mean sea level 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, as Askews Bridge.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 30,900 ft³/s (875 m³/s) Apr. 2, gage height, 38.35 ft (11.689 m); minimum, 196 ft³/s (5.55 m³/s) Aug. 27, 28, gage height, 7.11 ft (2.167 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	439	5620	2630	6010	11400	7710	29300	951	1270	2160	769	1350
2	402	2050	2620	5300	11600	7120	30700	863	1240	1610	1140	2000
3	369	1180	2800	6330	11100	5540	29300	772	1240	1350	821	1660
4	338	1100	2780	7350	10200	2790	27000	712	1540	3080	800	1580
5	453	2060	2470	7240	8770	1720	24900	676	1890	7050	718	989
6	828	5900	2110	7260	5730	3040	22600	649	1580	7810	556	727
7	832	8520	2120	7970	2970	5630	19900	661	1440	7640	444	769
8	682	9130	3300	8970	1920	6530	17600	937	1290	7160	391	807
9	550	9340	4270	8930	2200	9750	15800	1420	1080	5760	363	730
10	470	9480	4690	9080	2850	10300	14400	2550	874	3550	341	718
11	419	9450	4860	9350	3270	10600	13200	2740	741	2160	321	786
12	391	9210	4820	9430	3600	11200	12100	2330	667	1470	310	762
13	374	8910	4340	9300	3890	12600	10900	2330	616	1040	291	673
14	358	8620	3570	9240	4180	13800	8180	3720	574	800	280	574
15	355	8160	2840	9050	4450	15400	4010	6690	538	1000	270	583
16	6490	7210	2120	8540	4710	16600	2010	8070	667	2090	260	538
17	11600	5540	1840	7760	4980	17100	1530	8640	972	2080	252	458
18	11700	3720	2110	6650	5240	18500	1360	9120	741	1470	241	388
19	12000	2480	2340	5050	5430	20200	1240	9650	586	902	234	338
20	12600	1790	2100	3660	5760	20600	1170	10100	930	649	226	302
21	14200	1430	1780	2780	6320	22000	1120	10500	1760	628	218	278
22	15900	1220	1590	2160	7240	19300	1030	10400	2070	637	213	257
23	16400	1110	1410	1760	7460	17400	954	9690	2030	562	211	241
24	15800	1080	1230	1550	7720	16100	898	7450	1740	506	206	234
25	14700	1090	1580	2920	8110	15100	1090	3620	1400	464	204	236
26	13300	1130	4090	9110	8460	13800	1230	1600	1270	433	201	231
27	12100	1540	5350	9810	8610	13400	1320	1340	1170	408	196	228
28	10900	1990	5850	9940	8540	12900	1380	1540	1320	416	234	223
29	10000	2470	6160	10100	8210	13000	1150	1270	1150	386	265	234
30	9450	2660	6210	10400	---	15700	979	1400	1850	380	228	223
31	8670	---	6240	10600	---	24400	---	1370	---	679	433	---
TOTAL	203070	135190	102220	223640	144920	399830	298351	123761	36236	66330	11637	19117
MEAN	6551	4506	3297	7214	6377	12900	9945	3992	1208	2140	375	637
MAX	16400	9480	6240	10600	11600	24400	30700	10500	2070	7810	1140	2000
MIN	338	1080	1230	1550	1920	1720	898	649	538	380	196	223
CFSM	2.33	1.60	1.17	2.57	2.27	4.59	3.54	1.42	.43	.76	.13	.23
IN.	2.69	1.79	1.35	2.46	2.45	5.29	3.95	1.64	.48	.88	.15	.25
CAL YR 1975	TOTAL	2237352	MEAN	6130	MAX	30000	MIN	338	CFSM	2.18	IN	29.62
WTR YR 1976	TOTAL	1804302	MEAN	4930	MAX	30700	MIN	196	CFSM	1.75	IN	23.89

BIG BLACK RIVER BASIN

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, 175 micromhos Sept. 24, 1975; minimum daily, 62 micromhos Aug. 7, 1975.

WATER TEMPERATURES: Maximum daily, 31.0°C July 23-25, 1975; minimum daily, 21.0°C Sept. 25-26, 1975.

EXTREMES OUTSIDE PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 336 micromhos Oct. 2, 1961; minimum, 44 micromhos Jan. 16, 1973.

WATER TEMPERATURES: Maximum, 29.5°C July 3, 1975; minimum, 6.5°C Jan. 16, 1973.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum daily, 280 micromhos Sept. 13; minimum daily, 52 micromhos Apr. 3, 6.

WATER TEMPERATURES: Maximum daily, 30°C July 25, 27-Aug. 1; minimum daily, 3.5°C Jan. 8-12.

WATER QUALITY DATA, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	TIME	INSTANTANEOUS DIS- CHARGE (CFS)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	TURBIDITY (JTU)	DISSOLVED OXYGEN (MG/L)	FECAL COLIFORM (COL PER 100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)	HARDNESS (CA+MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	DISSOLVED CALCIUM (CA) (MG/L)
OCT 17...	1000	11700	65	6.1	19.0	200	7.8	<10	<5	21	0	5.7
NOV 05...	1000	1710	180	7.0	19.0	60	5.2	90	100	78	11	19
DEC 09...	1100	3240	126	7.5	11.0	130	7.5	8400	>100	33	7	8.4
JAN 06...	1000	7220	85	6.4	6.0	200	8.9	--	--	19	1	4.6
FEB 03...	1100	11200	67	7.0	7.5	95	7.6	8114	1200	20	4	5.0
MAR 03...	0930	5900	95	7.0	16.0	55	8.7	1200	353	32	5	8.2
APR 05...	1200	24900	54	6.3	17.5	95	7.8	400	1060	15	3	4.0
MAY 06...	1330	646	200	6.8	21.5	4	8.1	810000	>1000	67	6	16
JUN 03...	1000	1220	170	6.3	22.0	80	6.3	570	280	60	8	14
JUL 08...	1100	7230	75	5.9	24.5	250	5.0	28000	--	21	7	6.0
AUG 02...	1400	1290	138	7.1	30.0	75	5.5	200	960	41	0	9.3
SEP 07...	1200	768	94	6.6	26.5	85	7.4	380	8170	22	1	5.2

DATE	DISSOLVED MAGNESIUM (MG/L)	DISSOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM	SODIUM ADSORPTION RATIO	DISSOLVED PO-TAS- SIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CAC03 (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED FLUORIDE (CL) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	DISSOLVED SILICA (SIO2) (MG/L)
OCT 17...	1.7	2.7	18	.3	4.0	27	0	22	6.0	3.0	.4	4.7
NOV 05...	7.3	11	23	.5	2.7	81	0	66	7.7	14	.2	14
DEC 09...	2.9	12	41	.9	3.7	32	0	26	12	16	.2	10
JAN 06...	1.9	6.7	38	.7	3.8	22	0	18	11	7.7	.3	6.2
FEB 03...	1.8	6.5	38	.6	2.3	20	0	16	8.5	7.8	.1	6.9
MAR 03...	2.8	8.6	35	.7	2.1	33	0	27	9.5	9.8	.2	8.6
APR 05...	1.3	3.8	31	.4	2.1	15	0	12	5.8	2.9	.3	5.1
MAY 06...	6.6	15	32	.8	1.9	75	0	62	12	16	.2	15
JUN 03...	6.0	13	31	.7	2.2	63	0	52	10	15	.0	12
JUL 08...	1.4	9.2	45	.9	3.1	17	0	14	7.4	9.8	.2	5.7
AUG 02...	4.2	11	35	.8	2.4	56	0	46	7.7	10	.2	12
SEP 07...	2.2	7.4	38	.7	3.6	26	0	21	6.8	6.7	.2	7.9

07290000 BIG BLACK RIVER NEAR BOVINA, MS--CONTINUED

DATE	DIS-SOLVED SOLIDS (REST-DUE AT 180 C) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	DIS-SOLVED SOLIDS (TONS PER AC-FT)	DIS-SOLVED SOLIDS (TONS PER DAY)	TOTAL NITRITE PLUS NITRATE (MG/L)	TOTAL KJEL-DAHL NITROGEN (MG/L)	TOTAL NITROGEN (MG/L)	TOTAL NITROGEN (NO3) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	TOTAL PHYTOPLANKTON (CELLS PER ML)	SUS-PENDED SEDIMENT (MG/L)	SUS-PENDED SEDIMENT DISCHARGE (T/DAY)
OCT 17...	60	42	.08	1900	.30	1.5	1.8	8.0	.75	280	646	20400
NOV 05...	106	116	.14	489	.11	.64	.75	3.3	.23	60000	246	1140
DEC 08...	82	81	.11	722	.22	1.3	1.5	6.7	.37	1000	492	4330
JAN 06...	71	54	.10	1380	.19	1.3	1.5	6.6	.37	270	319	6220
FEB 03...	76	49	.10	2300	.13	1.0	1.1	5.0	.25	600	143	4320
MAR 03...	92	66	.13	1470	.06	.76	.82	3.6	.16	630	194	3090
APR 05...	56	33	.08	3770	.13	.66	.79	3.5	.23	760	--	--
MAY 06...	122	120	.17	213	.03	.84	.87	3.9	.16	53000	106	185
JUN 03...	114	103	.16	376	.27	.94	1.2	5.4	.22	9200	196	646
JUL 08...	82	51	.11	1600	.42	1.5	1.9	8.5	.52	1100	443	8650
AUG 02...	76	84	.10	265	.07	.96	1.0	4.6	.24	17000	263	916
SEP 07...	54	53	.07	112	.36	1.1	1.5	5.5	.29	8200	148	307

DATE	TOTAL ARSENIC (AS) (UG/L)	DIS-SOLVED ARSENIC (AS) (UG/L)	TOTAL CADMIUM (CD) (UG/L)	SUS-PENDED CADMIUM (CD) (UG/L)	DIS-SOLVED CADMIUM (CD) (UG/L)	TOTAL CHROMIUM (CR) (UG/L)	SUS-PENDED CHROMIUM (CR) (UG/L)	DIS-SOLVED CHROMIUM (CR) (UG/L)	TOTAL COBALT (CO) (UG/L)	SUS-PENDED COBALT (CO) (UG/L)	DIS-SOLVED COBALT (CO) (UG/L)
OCT 17...	8	1	4	4	0	--	--	0	4	4	0
JAN 06...	8	1	0	0	0	<10	<10	0	2	2	0
APR 05...	1	1	1	0	1	<10	<9	1	2	0	2
JUL 08...	9	2	2	0	7	30	30	0	2	2	0

DATE	TOTAL COPPER (CU) (UG/L)	SUS-PENDED COPPER (CU) (UG/L)	DIS-SOLVED COPPER (CU) (UG/L)	TOTAL IRON (FE) (UG/L)	DIS-SOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	SUS-PENDED LEAD (PB) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)	TOTAL MANGANESE (MN) (UG/L)	SUS-PENDED MANGANESE (MN) (UG/L)	DIS-SOLVED MANGANESE (MN) (UG/L)
OCT 17...	35	21	14	15000	160	14	14	0	660	490	170
JAN 06...	23	11	12	9000	370	15	9	6	250	180	70
APR 05...	12	4	8	6700	150	10	10	0	110	90	20
JUL 08...	26	14	12	17000	160	36	5	31	400	330	70

DATE	TOTAL MERCURY (HG) (UG/L)	SUS-PENDED MERCURY (HG) (UG/L)	DIS-SOLVED MERCURY (HG) (UG/L)	TOTAL SELENIUM (SE) (UG/L)	SUS-PENDED SELENIUM (SE) (UG/L)	DIS-SOLVED SELENIUM (SE) (UG/L)	TOTAL ZINC (ZN) (UG/L)	SUS-PENDED ZINC (ZN) (UG/L)	DIS-SOLVED ZINC (ZN) (UG/L)	TOTAL ORGANIC CARBON (C) (MG/L)
OCT 17...	.1	.1	.0	0	0	0	100	60	40	17
JAN 06...	.1	.0	.1	0	0	0	90	80	10	11
APR 05...	.2	.1	.1	0	0	0	30	0	40	9.6
JUL 08...	.2	.0	.5	0	0	0	60	40	20	17

BIG BLACK RIVER BASIN

07290000 BIG BLACK RIVER NEAR BOVINA, MS--CONTINUED

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
AM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	165	100	160	109	83	74	61	200	125	69	165	230
2	175	140	145	118	76	80	55	195	120	68	125	70
3	180	138	130	112	80	100	52	200	145	86	127	80
4	190	150	128	102	82	145	54	195	205	95	132	81
5	190	200	125	100	87	160	54	195	100	70	112	83
6	180	110	130	85	155	145	52	200	120	118	130	102
7	150	108	130	83	155	165	54	200	120	88	125	90
8	95	---	140	83	160	130	56	210	95	83	125	100
9	115	86	118	81	170	130	59	200	100	82	138	100
10	110	81	90	79	125	85	60	180	100	82	152	81
11	125	78	80	77	86	80	60	170	100	85	160	81
12	125	76	90	74	82	73	63	135	115	90	160	78
13	130	77	92	75	73	75	70	128	130	95	170	280
14	140	80	96	82	67	75	87	120	130	105	170	141
15	150	83	102	93	65	75	150	120	130	120	175	122
16	155	93	113	94	70	75	170	90	140	102	175	110
17	80	96	150	97	71	75	180	80	150	83	175	115
18	71	108	180	97	120	68	180	78	150	170	180	98
19	67	112	175	112	148	63	180	78	135	175	190	110
20	65	125	150	115	135	60	180	70	---	150	190	110
21	63	140	150	120	105	63	180	71	150	175	190	114
22	62	160	150	130	110	63	190	67	---	195	195	136
23	63	160	150	142	93	65	190	70	---	185	200	139
24	61	160	160	150	86	68	190	80	93	195	200	142
25	61	175	180	170	82	70	195	95	88	180	200	150
26	59	175	170	132	79	75	210	100	140	170	200	150
27	59	220	140	87	74	80	200	110	140	170	200	152
28	61	165	145	82	72	80	170	135	108	180	200	160
29	61	142	102	76	72	75	170	140	116	175	195	160
30	64	165	96	73	---	82	230	140	110	180	205	165
31	75	---	97	68	---	70	---	125	---	190	220	---
MONTH	108	128	131	100	99	89	127	135	124	129	170	124
YEAR	MAX	280	MIN	52	MEAN	122						

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
AM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	22.0	16.0	7.0	7.0	6.5	15.0	17.5	20.0	23.0	26.0	30.0	26.0
2	21.5	16.0	7.0	7.5	6.5	16.0	17.5	18.0	22.5	25.0	29.0	24.0
3	20.5	17.0	7.0	7.5	6.5	16.5	18.0	20.0	23.0	27.0	28.0	25.0
4	19.5	18.0	7.0	7.0	7.5	18.0	18.0	20.0	23.0	26.0	28.0	26.0
5	20.0	18.0	8.0	6.0	8.0	18.0	18.0	21.0	23.0	22.5	28.0	26.0
6	20.5	19.0	9.5	5.5	8.0	17.0	18.0	22.0	23.0	23.0	29.0	27.0
7	20.0	19.0	9.5	5.0	7.0	14.5	18.0	23.0	23.5	23.0	28.0	27.0
8	20.5	---	10.0	3.5	7.0	14.5	18.5	21.0	23.0	24.0	27.0	27.0
9	20.0	18.0	9.0	3.5	7.0	14.0	18.5	19.5	26.0	24.0	27.5	27.0
10	21.5	18.0	9.5	3.5	8.0	13.0	18.0	21.0	26.0	24.0	27.5	26.0
11	21.5	17.5	9.0	3.5	9.5	13.0	18.0	21.0	26.0	25.5	27.0	25.0
12	21.5	18.0	9.0	3.5	8.5	15.0	19.0	21.0	---	26.0	26.0	24.0
13	22.0	16.0	9.5	5.0	8.5	14.0	19.5	21.0	---	27.5	27.0	25.0
14	20.0	14.0	9.5	5.0	10.0	13.0	19.5	20.0	---	28.0	28.0	25.0
15	20.5	13.0	10.5	5.0	11.0	---	19.0	20.0	---	28.0	29.0	25.5
16	20.0	12.0	10.5	6.0	12.0	13.5	21.0	21.0	---	27.0	29.5	25.0
17	17.0	12.0	10.0	5.5	13.0	13.0	21.0	20.0	---	25.5	30.0	24.5
18	17.5	11.0	8.0	5.5	14.5	13.0	21.5	20.0	---	26.0	28.0	25.0
19	16.0	11.5	7.5	5.5	14.0	14.0	22.0	20.0	---	26.0	28.0	25.0
20	15.5	12.0	6.0	6.0	14.0	15.0	22.5	19.0	---	27.0	28.0	25.0
21	15.0	11.0	6.0	4.5	15.0	16.0	22.0	19.0	25.0	27.0	28.0	25.5
22	15.0	10.0	6.0	4.5	12.0	18.0	22.0	20.0	---	27.0	28.0	24.5
23	15.5	9.5	5.0	5.0	12.0	17.0	22.0	20.0	---	28.0	28.5	24.0
24	16.0	9.0	5.0	6.5	11.0	17.0	22.5	21.0	25.0	28.5	28.5	23.5
25	16.0	8.0	6.0	11.0	11.0	17.0	22.0	21.0	26.0	30.0	28.0	24.0
26	15.5	9.0	5.0	9.5	12.0	18.0	22.0	22.0	26.0	29.0	29.5	25.0
27	15.5	7.0	4.5	9.5	12.0	17.5	21.0	21.5	27.0	30.0	29.5	26.0
28	16.0	7.5	5.0	7.5	12.5	18.0	21.0	21.0	27.0	30.0	29.0	26.0
29	16.5	9.0	6.0	6.5	14.5	19.0	21.0	21.0	27.0	30.0	28.0	25.0
30	16.5	8.0	6.5	6.5	---	19.0	21.0	22.0	27.0	30.0	28.0	22.5
31	16.0	---	6.5	7.0	---	18.0	---	23.0	---	30.0	27.0	---
MONTH	18.5	13.0	7.5	6.0	10.5	16.0	20.0	20.5	---	27.0	28.0	25.0
YEAR	MAX	30.0	MIN	3.5	MEAN	18.0						

07290000 BIG BLACK RIVER NEAR BOVINA, MS--CONTINUED

ANALYSES OF BIOLOGICAL DATA, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

OCT. 17, 1975
1000 HOURS

IDENTIFICATION OF PHYTOPLANKTON

290 CELLS/ML

ORGANISM NAME	COMMON NAME	CELLS/ML	PER CENT
CHRYSTOPHYTA			
..BACILLARIOPHYCEAE	DIATOMS		
..PENNIALES	PENNATE		
...NAVICULACEAE	NAVICULOID		
....NAVICULA		290	100

NOV. 5, 1975
1000 HOURS

IDENTIFICATION OF PHYTOPLANKTON

61,000 CELLS/ML

ORGANISM NAME	COMMON NAME	CELLS/ML	PER CENT
CHLOROPHYTA	GREEN ALGAE		
..CHLOROPHYCEAE			
...CHLOROCOCCALES			
...CHARACIACEAE			
....SCHROEDERIA		1,000	2
...OCCYSTACEAE			
....ANKISTRODESMIUS		4,000	7
....DIMORPHOCOCCUS		16,000	27
....TETRAEDRON		2,000	3
...SCENEDESMACEAE			
....ACTINASTRUM		4,100	13
....SCENEDESMUS		5,100	8
....TETRASTRUM		4,000	7
...TETRASPORALES			
...PALMELLACEAE			
...SPHAEROCYSTIS			0
..ZYGNEMATALES			
...DESMIDIACEAE	PLACODERM DESMIDS		
....CLOSTRIDIUM		1,000	2
CHRYSTOPHYTA			
..BACILLARIOPHYCEAE	DIATOMS		
..CENTRALES	CENTRIC		
...COSCINODISCACEAE			
....CYCLOTELLA		2,000	3
..PENNIALES	PENNATE		
...CYMRELLACEAE			
....CYMRELLA		1,000	2
...NAVICULACEAE	NAVICULOID		
....DIPLONFIS		1,000	2
....NAVICULA		6,100	10
...NITZSCHIA			
....NITZSCHIA		4,000	7
CYANOPHYTA	BLUE-GREEN ALGAE		
..MYXOPHYCEAE			
...OSCILLATORIALES	FILAMENTOUS		
....OSCILLATORIA			
....LYNGBYA		5,100	8

07290000 BIG BLACK RIVER NEAR BOVINA, MS--CONTINUED

ANALYSES OF BIOLOGICAL DATA, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DEC. 8, 1975
1100 HOURS

IDENTIFICATION OF PHYTOPLANKTON

1,000 CELLS/ML

ORGANISM NAME	COMMON NAME	CELLS/ML	PER CENT
CHLOROPHYTA	GREEN ALGAE		
CHLOROPHYCEAE			
CHLOROCOCCALES			
OCCYSTACEAE			
ANKISTRODESMIID		29	3
SCENEDESMACEAE			
SCENEDESMIID		120	11
CHRYSTOPHYTA			
BACILLARIOPHYCEAE	DIATOMS		
CENTRALES	CENTRIC		
COSCINOIDISACEAE			
CYCLOTELLA		120	11
MELOSIIRA		320	31
PENNALES	PENNATE		
EUNOTIACEAE			
EUNOTIA		29	3
GOMPHONEMACEAE			
GOMPHONEMA		29	3
NAVICULACEAE	NAVICULOID		
GYROSGMA			0
NAVICULA		170	17
PINNULARIA			0
NITZSCHACEAE			
NITZSCHIA		200	20

JAN. 5, 1976
1000 HOURS

IDENTIFICATION OF PHYTOPLANKTON

270 CELLS/ML

ORGANISM NAME	COMMON NAME	CELLS/ML	PER CENT
CHLOROPHYTA	GREEN ALGAE		
CHLOROPHYCEAE			
CHLOROCOCCALES			
OCCYSTACEAE			
DICTYOSPHAERIUM		110	40
ZYGNEMATALES			
DESMIDIACEAE	PLACODERM DESMIDS		0
CLOSTERIUM			
CHRYSTOPHYTA			
BACILLARIOPHYCEAE	DIATOMS		
PENNALES	PENNATE		
ACHNANTHACEAE			
ACHNANTHES		27	10
COCCONEIS		27	10
NAVICULACEAE	NAVICULOID		
NAVICULA		82	30
PINNULARIA			0
NITZSCHACEAE			
NITZSCHIA		27	10

07290000 BIG BLACK RIVER NEAR BOVINA, MS--CONTINUED

ANALYSES OF BIOLOGICAL DATA, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

FEB. 3, 1976
1100 HOURS

IDENTIFICATION OF PHYTOPLANKTON

600 CELLS/ML

ORGANISM NAME	COMMON NAME	CELLS/ML	PER CENT
CHLOROPHYTA	GREEN ALGAE		
..CHLOROPHYCEAE			
...CHLOROCOCCALES			
...OCCYSTACEAE			
....ANKISTRODESMIUS		44	7
....DICTYOSPHAERIUM		230	39
...SCENEDESMACEAE			
....ACTINASTRIUM		44	7
....SCENEDESMUS		87	15
CHRYSTOPHYTA			
..BACILLARIOPHYCEAE	DIATOMS		
..CENTRALES	CENTRIC		
...COSCINODISCAEAE			
...MELOSIWA		58	10
..PENNALES	PENNATE		
...NAVICULACEAE	NAVICULOID		
....GYROSIGMA		15	2
....NAVICULA		73	12
...NITZSCHACEAE			
....NITZSCHIA		29	5
EUGLENOPHYTA	EUGLENOIDS		
..EUGLENOPHYCEAE			
...EUGLENALES			
...EUGLENACEAE			
....TRACHELOMONAS		15	2

MAR. 3, 1976
0930 HOURS

IDENTIFICATION OF PHYTOPLANKTON

630 CELLS/ML

ORGANISM NAME	COMMON NAME	CELLS/ML	PER CENT
CHLOROPHYTA	GREEN ALGAE		
..CHLOROPHYCEAE			
...CHLOROCOCCALES			
...OCCYSTACEAE			
....ANKISTRODESMIUS		66	11
....DICTYOSPHAERIUM		66	11
...SCENEDESMACEAE			
....SCENEDESMUS		130	21
CHRYSTOPHYTA			
..BACILLARIOPHYCEAE	DIATOMS		
..CENTRALES	CENTRIC		
...COSCINODISCAEAE			
...CYCLOTELLA		66	11
..PENNALES	PENNATE		
...EUNOTIACEAE			
....EUNOTIA		66	11
...FRAGILARIACEAE			
....SYNEDRA		33	5
...NAVICULACEAE	NAVICULOID		
....NAVICULA		130	21
...NITZSCHACEAE			
....NITZSCHIA		66	11

07290000 BIG BLACK RIVER NEAR BOVINA, MS--CONTINUED

ANALYSES OF BIOLOGICAL DATA, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

APR. 5, 1976
1200 HOURS

IDENTIFICATION OF PHYTOPLANKTON

760 CELLS/ML

__ORGANISM__NAME_____	__COMMON__NAME_____	CELLS/ML	PER_CENT
CHLOROPHYTA	GREEN ALGAE		
..CHLOROPHYCEAE			
...CHLOROCOCCALES			
...OCCYSTACEAE			
....ANKISTRODESMIUS		230	31
....SELENASTRUM		88	12
...SCENEDESMACEAE			
....SCENEDESMUS		59	8
CHRYSTOPHYTA			
..BACILLARIOPHYCEAE	DIATOMS		
..CFNTRALES	CFNTRIC		
...COSCINODISCACEAE			
....CYCLOTFLLA		210	27
....MELOSIRA		29	4
....STEPHANODISCUS		29	4
..PFNNALES	PFNNATE		
...CYMBELLACEAE			
....CYMBELLA		29	4
...NAVICULACEAE	NAVICULOID		
....NAVICULA		88	12
...NITZSCHACEAE			
....NITZSCHIA			0

07290000 BIG BLACK RIVER NEAR BOVINA, MS--CONTINUED

ANALYSES OF BIOLOGICAL DATA, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

MAY 6, 1976
1330 HOURS

IDENTIFICATION OF PHYTOPLANKTON

53,000 CFLLS/ML

__ORGANISM__NAME__	__COMMON__NAME__	CELLS/ML	PER_CENT
CHLOROPHYTA	GREEN ALGAE		
..CHLOROPHYCEAE			
...CHLOROCOCCALES			
...HYDRODICTYACEAE			
...PEDIASTRUM			0
...MICRACTINIACEAE			
...MICRACTINIUM		11,000	21
...OCCYSTACEAE			
...ANKISTRODESMUS		1,400	3
...CHODATFLLA			0
...DICTYOSPHAERIUM		16,000	31
...KIRCHNERIELLA		14,000	26
...OOCYSTIS		560	1
...SCENEDESMACEAE			
...ACTINASTRUM		2,800	5
...CRUCIGENIA		560	1
...SCENEDESMUS		1,400	3
...TETRASTRUM		1,100	2
...ZYGNEMATALES			
...DESMIDIACEAE	PLACODERM DESMIDS		
...CLOSTERIUM			0
CHRYSTOPHYTA			
..BACILLARIOPHYCEAE	DIATOMS		
..CENTRALES	CENTRIC		
...COSCINOIDISACEAE			
...CYCLOTFLLA		980	2
...MELOSIYA		280	1
..PENNALES	PENNATE		
...FRAGILARIACEAE			
...ASTERIONELLA			0
...NAVICULACEAE	NAVICULOID		
...NAVICULA			0
...NITZSCHACEAE			
...NITZSCHIA			0
...SURIRELLACEAE			
...SURIRELLA			0
CYANOPHYTA	BLUE-GREEN ALGAE		
..MYXOPHYCEAE			
...OSCILLATORIALES	FILAMENTOUS		
...OSCILLATORIACEAE			
...OSCILLATORIA		1,800	3
EUGLENOPHYTA	EUGLENOIDS		
..EUGLENOPHYCEAE			
...EUGLENALES			
...EUGLENACEAE			
...EUGLENA			0
...PHACIUS			0
...TRACHELOMONAS			0

07290000 BIG BLACK RIVER NEAR BOVINA, MS--CONTINUED

ANALYSES OF BIOLOGICAL DATA, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

JUNE 3, 1976
1000 HOURS

IDENTIFICATION OF PHYTOPLANKTON

9.200 CELLS/ML

ORGANISM NAME	COMMON NAME	CELLS/ML	PER_CENT
CHLOROPHYTA	GREEN ALGAE		
..CHLOROPHYCEAE			
...CHLOROCOCCALES			
...MICRACTINIACEAE			
...MICRACTINIUM		610	7
...OCCYSTACEAE			
...ANKISTRODESMIUS		310	3
...SCENEDESMACEAE			
...ACTINASTRUM		2.900	32
...SCENEDESMUS		3.000	33
...TETRASPORALES			
...PALMELLACEAE			
...GLOEOCYSTIS		250	3
CHRYSPHYTA			
..BACILLARIOPHYCEAE	DIATOMS		
..CENTRALES	CENTRIC		
...COSCINODISCAEAE			
...MELOSIRA		370	4
..PENNALES	PENNAE		
...ACHNANTHACEAE		61	1
...ACHNANTHES			
...FRAGILARIACEAE		61	1
...SYNEDRA			
...NITZSCHIAEAE		740	8
...NITZSCHIA			
CYANOPHYTA	BLUE-GREEN ALGAE		
..MYXOPHYCEAE			
...CHROOCOCCALES	COCCOID		
...CHROOCOCCACEAE			
...AGMENELLUM		490	5
...ANACYSTIS		370	4

JULY 8, 1976
1100 HOURS

IDENTIFICATION OF PHYTOPLANKTON

1.100 CELLS/ML

ORGANISM NAME	COMMON NAME	CELLS/ML	PER_CENT
CHLOROPHYTA	GREEN ALGAE		
..CHLOROPHYCEAE			
...CHLOROCOCCALES			
...COELASTRACEAE			
...COELASTRUM		450	42
CHRYSPHYTA			
..BACILLARIOPHYCEAE	DIATOMS		
..PENNALES	PENNAE		
...NAVICULACEAE	NAVICULOID		
...NAVICULA		28	3
...NITZSCHIAEAE			
...NITZSCHIA		170	16
...SURIPELLACEAE			
...SURIPELLA		28	3
CYANOPHYTA	BLUE-GREEN ALGAE		
..MYXOPHYCEAE			
...OSCILLATORIALES	FILAMENTOUS		
...NOSTOCACEAE			
...ANABAENA		400	37
...OSCILLATORIAEAE			
...OSCILLATORIA			0

07290000 BIG BLACK RIVER NEAR BOVINA, MS--CONTINUED

ANALYSES OF BIOLOGICAL DATA, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

AUG. 2, 1976
1400 HOURS

IDENTIFICATION OF PHYTOPLANKTON

77,000 CELLS/ML

ORGANISM NAME	COMMON NAME	CELLS/ML	PER CENT
CHLOROPHYTA	GREEN ALGAE		
..CHLOROPHYCEAE			
...CHLOROCOCCALES			
...OCCYSTACEAE			
...ANKISTRODESMUS			0
...SCENEDESMACEAE			
...ACTINASTRUM		1,500	2
CHRYSOPHYTA			
..BACILLARIOPHYCEAE	DIATOMS		
..CENTRALES	CENTRIC		
...COSCINOIDISCAEAE			
...MELOSIRA		750	1
...PENNALIS	PENNATE		
...NAVICULACEAE	NAVICULOID		
...NAVICULA			0
...NITZSCHIAEAE			
...NITZSCHIA		750	1
CYANOPHYTA	BLUE-GREEN ALGAE		
..MYXOPHYCEAE			
..OSCILLATORIALES	FILAMENTOUS		
...OSCILLATORIAEAE			
...OSCILLATORIA		73,000	95

SEP. 7, 1976
1200 HOURS

IDENTIFICATION OF PHYTOPLANKTON

4,200 CELLS/ML

ORGANISM NAME	COMMON NAME	CELLS/ML	PER CENT
CHLOROPHYTA	GREEN ALGAE		
..CHLOROPHYCEAE			
...CHLOROCOCCALES			
...CHARACIACEAE			
...SCHROEDERIA		46	1
...COELASTRACEAE			
...COELASTRUM		650	8
...OCCYSTACEAE			
...ANKISTRODESMUS		230	3
...OCCYSTIS		230	3
...SCENEDESMACEAE			
...ACTINASTRUM		190	2
...SCENEDESMUS		93	1
CHRYSOPHYTA			
..BACILLARIOPHYCEAE	DIATOMS		
..CENTRALES	CENTRIC		
...COSCINOIDISCAEAE			
...CYCLOTILLA		46	1
...MELOSIRA		46	1
...PENNALIS	PENNATE		
...NITZSCHIAEAE			
...NITZSCHIA		93	1
CYANOPHYTA	BLUE-GREEN ALGAE		
..MYXOPHYCEAE			
..CHROOCOCCALES	COCCOID		
...CHROOCOCCACEAE			
...ANACYSTIS			
..OSCILLATORIALES	FILAMENTOUS	1,000	12
...NOSTOCACEAE			
...CYLINDROSPERMUM		4,600	56
...OSCILLATORIAEAE			
...OSCILLATORIA		880	11
EUGLENOPHYTA	EUGLENOIDS		
..EUGLENOPHYCEAE			
...EUGLENALES			
...EUGLENACEAE			
...TRACHELOMONAS		46	1

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) above mean sea level. Sept. 9, 1958, to May 31, 1961, crest-stage gage at same site and datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--15 years, 868 ft³/s (24.58 m³/s), 17.10 in/yr (434 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)
Oct. 17	0200	18,100 513	20.92 6.376	Mar. 31	1130	*37,600 1,065	26.47 8.068
Mar. 16	0015	19,100 541	21.57 6.575				

Minimum discharge, 60 ft³/s (1.70 m³/s) Aug. 21, gage height, 2.72 (0.829 m)

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	88	105	344	626	5320	150	12800	144	142	458	105	249
2	112	102	357	367	1780	142	3230	140	139	154	85	117
3	108	97	223	612	671	135	1550	130	142	106	73	95
4	103	144	150	851	392	130	1020	106	121	172	74	115
5	92	833	122	373	297	126	765	97	110	344	94	89
6	89	2700	126	249	522	3660	603	92	100	264	79	82
7	87	9780	5330	300	846	2210	526	323	92	108	71	79
8	88	1500	1000	262	454	3450	433	1380	88	69	82	82
9	86	570	300	195	300	14400	364	725	85	60	71	79
10	83	348	199	160	242	2280	305	335	82	53	69	74
11	81	254	158	148	213	887	277	534	81	65	68	69
12	79	208	133	160	191	680	247	376	79	74	70	68
13	77	170	119	180	184	2530	225	971	81	55	70	65
14	74	140	110	402	170	3350	213	8730	79	82	74	65
15	93	126	106	828	158	15500	195	8110	97	81	77	64
16	7630	119	412	373	152	15700	180	2000	135	130	107	64
17	9740	112	2140	232	148	4780	162	716	174	139	92	64
18	1570	106	792	174	174	3060	146	396	108	94	73	64
19	526	103	344	146	272	1350	137	275	98	95	68	64
20	317	144	216	124	213	864	128	211	100	70	64	64
21	247	130	172	119	1280	5680	126	174	94	59	61	70
22	208	97	144	112	3060	2470	122	148	86	74	68	68
23	188	91	128	110	971	1430	113	131	82	75	85	66
24	176	85	117	106	396	729	137	117	74	78	89	64
25	158	79	2500	2700	272	3210	168	108	73	65	95	64
26	156	85	5000	4430	225	2250	119	102	85	82	91	64
27	164	1320	1570	1290	197	1540	106	184	506	73	332	66
28	164	752	603	476	176	1510	98	1810	574	69	267	70
29	139	300	402	291	162	1270	94	644	223	69	228	75
30	122	195	960	232	---	16100	103	262	416	66	124	68
31	110	---	1230	451	---	33200	---	170	---	73	440	---
TOTAL	22955	19795	25607	17119	19438	144773	24692	29641	4346	3456	3446	2387
MEAN	740	640	826	552	670	4670	823	956	145	111	111	79.6
MAX	9740	8780	5330	4430	5320	33200	12800	8730	574	458	440	249
MIN	74	79	106	106	148	126	94	92	73	53	61	64
CFSM	1.13	1.01	1.26	.85	1.03	7.15	1.26	1.46	.22	.17	.17	.12
IN.	1.31	1.13	1.46	.98	1.11	8.25	1.41	1.69	.25	.20	.20	.14
CAL YR 1975 TOTAL	449134			1231	MAX 22000	MIN 74	CFSM 1.89	IN 25.59				
WTR YR 1976 TOTAL	317655			868	MAX 33200	MIN 53	CFSM 1.33	IN 18.10				

07291000 HOMOCHITTO RIVER AT EDDICETON, MS

LOCATION.--Lat 31°30'10", long 90°46'35", in SE&NE¼ sec.11, T.6 N., R.4 E., Washington Meridian, Franklin County, Hydrologic Unit 08060205, on left bank at upstream side of Mississippi Central 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) above mean sea level. Prior to May 26, 1942, nonrecording gage at site 900 ft (270 m) upstream at present datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--38 years, 255 ft³/s (7.222 m³/s), 19.24 in/yr (489 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.--Maximum discharge, 15,300 ft³/s (433 m³/s) Mar. 30, gage height, 11.55 ft (3.52 m), only peak above base of 9,000 ft³/s (255 m³/s); minimum daily, 43 ft³/s (1.22 m³/s) Aug. 20, 21.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	144	76	184	253	1210	90	858	110	90	78	48	52
2	123	73	106	216	350	89	574	98	92	90	50	50
3	92	70	90	240	196	87	413	92	90	78	50	48
4	85	80	83	260	152	85	334	90	89	92	47	125
5	83	87	79	225	132	81	285	89	87	106	47	112
6	83	748	110	200	690	104	249	87	89	110	47	66
7	83	935	229	210	391	149	216	187	83	81	46	56
8	81	239	116	225	212	350	184	441	81	73	45	56
9	80	147	98	200	170	1020	165	173	78	68	45	52
10	78	112	87	180	144	315	152	173	78	68	45	51
11	78	96	76	165	130	179	142	219	80	78	45	50
12	76	89	73	155	116	149	137	128	78	288	45	48
13	76	80	70	150	108	168	132	249	78	92	45	48
14	74	74	68	220	102	1620	130	2380	74	144	52	47
15	89	74	70	350	98	2000	123	1280	74	106	48	47
16	2970	74	110	320	98	3380	119	370	94	78	50	46
17	1340	73	249	250	96	815	114	216	144	71	47	46
18	409	71	132	180	125	494	110	157	87	66	46	45
19	209	70	94	160	130	358	108	135	87	60	45	45
20	154	73	89	145	98	303	106	121	80	57	43	45
21	128	71	81	130	730	1040	106	112	73	56	43	47
22	119	66	74	121	672	464	102	108	70	56	62	47
23	110	63	71	119	225	274	100	104	68	55	53	46
24	106	62	70	119	157	242	98	104	68	55	48	45
25	100	60	678	319	137	955	102	106	73	55	48	45
26	112	209	563	778	119	441	96	92	73	55	48	45
27	112	454	260	292	108	558	92	157	66	53	60	46
28	98	139	190	206	102	338	92	182	65	52	55	48
29	89	104	391	176	94	431	90	114	78	59	59	51
30	81	112	494	159	---	5530	108	94	87	53	56	48
31	78	---	383	239	---	3790	---	89	---	50	52	---
TOTAL	7540	4681	5467	6962	7092	25899	5637	8057	2454	2483	1520	1603
MEAN	243	156	176	225	245	835	188	260	81.8	80.1	49.0	53.4
MAX	2970	935	678	778	1210	5530	858	2380	144	288	62	125
MIN	74	60	68	119	94	81	90	87	65	50	43	45
CFSM	1.35	.87	.98	1.25	1.36	4.64	1.04	1.44	.45	.45	.27	.30
IN.	1.56	.97	1.13	1.44	1.47	5.35	1.16	1.67	.51	.51	.31	.33

CAL YR 1975 TOTAL 148548 MEAN 407 MAX 8840 MIN 60 CFSM 2.26 IN 30.70
WTR YR 1976 TOTAL 79395 MEAN 217 MAX 5530 MIN 43 CFSM 1.21 IN 16.41

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.

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) above mean sea level. 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.--25 years, 1,054 ft³/s (29.85 m³/s), 19.08 in/yr (485 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.--Maximum discharge, 45,300 ft³/s (1,280 m³/s) Mar. 30, gage height, 21.96 ft (6.693 m), only peak above base of 16,000 ft³/s (453 m³/s); minimum daily, 191 ft³/s (5.41 m³/s) Sept. 24-27.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2190	473	1250	1270	4400	788	4240	780	825	1040	340	512
2	1400	491	968	1070	1960	772	2980	641	780	847	362	325
3	662	509	796	1110	1190	732	2340	550	701	840	350	260
4	620	595	756	1150	1020	692	1860	500	628	892	315	330
5	527	791	740	887	959	676	1530	467	550	1390	300	628
6	514	733	700	844	2940	804	1280	462	567	2690	330	484
7	527	850	1150	878	2700	1110	1130	494	550	1170	315	291
8	509	1200	1010	860	1280	977	980	1840	533	916	291	345
9	500	791	804	788	1010	4230	855	1070	516	885	273	251
10	500	667	740	772	914	1840	832	715	506	1690	264	219
11	491	590	708	788	852	1120	817	980	478	1060	260	205
12	500	575	716	836	820	959	795	780	462	1110	255	205
13	514	527	692	844	756	941	757	1950	445	1100	264	208
14	522	500	668	1210	708	4090	722	6880	440	1130	268	223
15	556	509	660	1420	684	6470	687	5580	430	668	305	227
16	1420	500	748	1000	676	8910	654	2230	456	708	278	223
17	3730	518	1250	905	668	3180	634	1510	788	986	273	219
18	1540	496	1220	836	692	1730	621	1220	615	636	260	208
19	915	491	852	756	796	1420	597	1030	561	491	251	201
20	615	527	748	764	692	1270	591	948	489	428	251	201
21	522	509	708	772	1300	2070	603	900	425	386	247	201
22	486	504	676	756	3340	1990	567	862	415	368	286	205
23	473	504	668	724	1300	1170	533	840	415	356	291	201
24	473	514	660	716	932	1060	511	802	410	345	260	191
25	468	522	1380	1440	878	2770	527	908	410	362	243	191
26	464	959	2730	4030	852	2320	494	832	445	410	247	191
27	473	2520	1330	1640	796	1930	461	1170	855	392	286	191
28	500	1140	959	1010	764	1840	467	2110	591	340	330	201
29	473	836	1190	896	780	1460	467	1160	528	330	392	223
30	482	820	1960	812	---	14100	555	956	1560	335	310	208
31	482	---	1670	1130	---	14100	---	885	---	325	335	---
TOTAL	23947	21161	31107	32954	36659	87521	30087	42052	17374	24626	9032	7768
MEAN	772	705	1003	1063	1264	2823	1003	1357	579	794	291	259
MAX	3730	2520	2730	4030	4400	14100	4240	6880	1560	2690	392	628
MIN	464	473	660	716	668	676	461	462	410	325	243	191
CFSM	1.03	.94	1.34	1.42	1.69	3.76	1.34	1.81	.77	1.06	.39	.35
IN.	1.19	1.05	1.54	1.63	1.82	4.34	1.49	2.09	.86	1.22	.45	.39

CAL YR 1975 TOTAL 646187 MEAN 1770 MAX 44400 MIN 464 CFSM 2.36 IN 32.05
WTR YR 1976 TOTAL 364288 MEAN 995 MAX 14100 MIN 191 CFSM 1.33 IN 18.07

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, 140 micromhos June 2, 1975; minimum daily, 20 micromhos June 8, 1975.

WATER TEMPERATURES: Maximum daily, 34.0°C Aug. 18, 27, Sept. 1-2, 1975; minimum daily 10.0°C, Mar. 4, 1975.

EXTREMES OUTSIDE PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 300 micromhos July 29, 1970; minimum 45 micromhos Oct. 8, 1969, Jan. 9, 1975.

WATER TEMPERATURES: Maximum, 33.0°C, Sept. 9, 1970; minimum, 7.0°C Jan. 11, 1967.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 159 micromhos Nov. 5; minimum, 32 micromhos Mar. 30.

WATER TEMPERATURES: Maximum daily, 35.0°C Aug. 1, 4, 9; minimum daily, 10.0°C Dec. 18, 19, 25, Jan. 5, 9, 28, Feb. 1.

WATER QUALITY DATA, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	TIME	INSTANTANEOUS WATER TEMPERATURE (°C)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (°C)	TURBIDITY (JTU)	DISSOLVED OXYGEN (MG/L)	FECAL COLIFORM (COL. PER 100 ML)	STREPTOCOCCI (COL. PER 100 ML)	HARDNESS (CA, MG/L)	NON-CARBO- NATE HARDNESS (MG/L)	DISSOLVED CALCIUM (CA) (MG/L)
OCT 16...	1300	13.0	70	6.2	20.5	120	7.3	1300	820000	10	3	2.5
NOV 04...	1100	5.0	65	6.9	21.0	20	7.0	<5	245	15	0	4.0
DEC 11...	1430	7.6	68	7.5	12.5	6	8.3	<5	8120	20	3	5.3
JAN 08...	1300	8.0	95	7.2	6.0	6	10.1	--	--	17	2	3.5
FEB 04...	1300	10.0	62	7.2	13.0	20	8.5	--	--	13	2	3.3
MAR 04...	1130	6.92	67	7.2	21.0	10	9.8	530	8150	16	5	3.0
APR 09...	1400	9.0	75	6.3	22.0	2	7.3	830	8150	10	2	2.5
MAY 07...	1230	4.25	97	6.4	22.0	10	8.3	3800	8200	15	1	4.1
JUN 03...	1230	7.1	80	6.5	28.5	7	6.6	166	8100	23	8	7.0
JUL 09...	1200	8.48	75	6.2	30.0	15	5.7	880	400	15	0	3.7
AUG 03...	1200	3.50	98	7.2	28.0	15	8.2	<10	<10	13	0	3.5
SEP 09...	1300	2.43	75	6.8	29.5	35	6.2	880	420	14	0	3.7

DATE	DISSOLVED MAGNESIUM (MG/L)	DISSOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM	SODIUM ADSORPTION RATIO	DISSOLVED POSSIBLY SILICUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	DISSOLVED SILICA (SiO2) (MG/L)
OCT 16...	.8	7.7	59	1.1	1.8	8	0	7	4.0	12	.2	9.9
NOV 04...	1.2	8.4	52	.9	1.4	20	0	16	2.5	14	.1	13
DEC 11...	1.6	9.8	49	1.0	1.6	20	0	16	3.4	16	.1	14
JAN 08...	1.9	9.5	53	1.0	1.4	18	0	15	4.3	15	.1	14
FEB 04...	1.1	7.8	54	1.0	1.5	13	0	11	4.9	13	.1	12
MAR 04...	2.0	8.6	52	.9	1.4	13	0	11	2.5	14	.1	14
APR 09...	1.0	7.3	57	1.0	1.3	10	0	8	3.0	11	.1	14
MAY 07...	1.1	11	59	1.2	1.3	17	0	14	4.0	19	.1	14
JUN 03...	1.3	10	47	.9	1.3	18	0	15	2.5	16	.0	14
JUL 09...	1.4	9.0	54	1.0	1.5	18	0	15	4.1	15	.1	14
AUG 03...	1.1	11	61	1.3	1.4	20	0	16	2.0	17	.1	14
SEP 09...	1.1	9.5	56	1.1	2.0	18	0	15	2.4	14	.1	13

HOMOCHITTO RIVER BASIN

07292500 HOMOCHITTO RIVER AT ROSETTA, MS--CONTINUED

DATE	DIS- SOLVED SOLIDS (PST- DUE AT 190 C) (MG/L)	DIS- SOLVED SOLIDS (SUM OF CONSTI- TUENTS) (MG/L)	DIS- SOLVED SOLIDS (TONS PER AC-FT)	DIS- SOLVED SOLIDS (TONS PER DAY)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL PHYTO- PLANK- TON (CELLS PER ML)	SUS- PENDEd SEDI- MENT (MG/L)	SUS- PENDEd SEDI- MENT (T/DAY)
OCT 16...	50	43	.07	186	.02	.70	.72	3.2	.13	800	679	2530
NOV 04...	48	54	.07	72.6	.04	.44	.48	2.1	.05	1300	350	529
DEC 11...	64	62	.09	124	.06	.36	.42	1.9	.03	140	154	298
JAN 09...	46	59	.06	107	.07	.30	.37	1.6	.04	160	155	360
FEB 04...	56	50	.08	151	.09	.57	.66	2.9	.05	240	368	994
MAR 04...	51	52	.07	95.3	.05	.09	.14	.62	.02	1300	80	149
APR 09...	51	45	.07	135	.10	.76	.85	.09	.05	240	192	482
MAY 07...	77	63	.10	88.4	.06	.29	.35	1.6	.01	6600	182	209
JUN 03...	72	61	.10	136	.05	.25	.30	1.3	.03	1800	86	163
JUL 09...	75	58	.10	172	.04	.32	.36	1.6	.26	5400	167	382
AUG 03...	66	60	.09	62.4	.01	.36	.37	1.6	.01	2200	55	52
SEP 09...	56	55	.08	36.7	.05	.66	.71	3.1	.05	2300	242	159

DATE	TOTAL ARSENIC (AS) (UG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	TOTAL CAD- MIUM (CD) (UG/L)	SUS- PENDEd CAD- MIUM (CD) (UG/L)	DIS- SOLVED CAD- MIUM (CD) (UG/L)	TOTAL CHRO- MIUM (CR) (UG/L)	SUS- PENDEd CHRO- MIUM (CR) (UG/L)	DIS- SOLVED CHRO- MIUM (CR) (UG/L)	TOTAL COBALT (CO) (UG/L)	SUS- PENDEd COBALT (CO) (UG/L)	DIS- SOLVED COBALT (CO) (UG/L)	TOTAL COPPER (CU) (UG/L)
JAN 09...	1	0	1	0	1	<10	<7	3	0	0	0	12
APR 08...	1	0	3	2	1	10	10	0	0	0	0	13
JUL 09...	1	0	17	14	3	30	30	0	0	0	0	25

DATE	SUS- PENDEd COPPER (CU) (UG/L)	DIS- SOLVED COPPER (CU) (UG/L)	TOTAL IRON (FE) (UG/L)	DIS- SOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	SUS- PENDEd LEAD (PB) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)	TOTAL MAN- GANESE (MN) (UG/L)	SUS- PENDEd MAN- GANESE (MN) (UG/L)	DIS- SOLVED MAN- GANESE (MN) (UG/L)	TOTAL MERCURY (HG) (UG/L)	SUS- PENDEd MERCURY (HG) (UG/L)
JAN 09...	0	12	1000	20	5	0	5	90	20	70	.2	.0
APR 08...	8	5	1400	10	13	13	0	80	20	60	.0	.0
JUL 09...	22	3	140	80	170	150	24	90	0	90	.2	.1

DATE	DIS- SOLVED MERCURY (HG) (UG/L)	TOTAL SELF- MIUM (SF) (UG/L)	SUS- PENDEd SELF- MIUM (SF) (UG/L)	DIS- SOLVED SELF- MIUM (SF) (UG/L)	TOTAL ZINC (ZN) (UG/L)	SUS- PENDEd ZINC (ZN) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)	TOTAL ORGANIC CARBON (C) (MG/L)	PERI- PHYTON BIOMASS ASH WEIGHT G/SQ M	PERI- PHYTON BIOMASS TOTAL DRY WEIGHT G/SQ M	UNCOR- RECTED PERI- PHYTON CHLORO- PHYLL A MG/SQ M	UNCOR- RECTED PERI- PHYTON CHLORO- PHYLL B MG/SQ M
JAN 09...	.2	0	0	0	20	10	10	2.6	.200	.200	.300	.000
APR 08...	.0	0	0	0	80	70	10	7.8	--	--	--	--
JUL 09...	.1	0	0	0	70	40	30	3.5	--	--	--	--

07292500 HOMOCHITTO RIVER AT ROSETTA, MS--CONTINUED

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
AM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	44	98	104	89	63	78	41	94	80	58	90	130
2	95	96	84	74	60	77	51	108	80	85	75	115
3	110	95	80	70	68	77	60	100	85	95	76	105
4	105	82	81	72	72	82	66	99	100	78	85	90
5	110	159	84	88	75	79	62	98	110	71	80	75
6	110	86	82	80	60	74	62	110	90	48	79	100
7	115	50	74	80	54	100	65	105	110	85	78	85
8	115	62	75	86	80	76	68	83	92	76	85	80
9	115	69	102	85	69	49	70	95	85	99	86	98
10	120	72	88	85	74	64	73	95	85	60	93	120
11	115	72	85	95	84	70	66	103	88	75	85	120
12	115	74	85	82	79	84	67	82	97	75	90	120
13	115	77	83	79	75	74	67	120	87	58	105	125
14	115	78	95	85	75	41	67	38	84	60	81	130
15	110	80	85	73	100	46	67	46	85	66	75	130
16	76	80	90	75	82	35	69	59	81	75	85	125
17	58	80	100	75	84	42	62	65	87	56	81	125
18	57	84	85	76	80	50	70	75	76	79	80	120
19	85	84	83	78	77	55	73	90	81	81	81	135
20	85	84	74	75	83	56	75	100	85	92	82	100
21	82	86	97	77	90	60	74	85	90	95	85	90
22	85	86	89	81	56	50	75	75	85	95	75	88
23	90	86	85	83	66	64	80	80	85	85	80	88
24	85	87	84	83	74	70	98	75	81	88	78	85
25	88	87	79	77	76	70	118	73	81	76	80	85
26	90	74	61	98	76	52	100	75	81	100	95	85
27	91	62	71	64	81	54	105	55	60	83	82	85
28	92	75	83	70	79	45	100	75	65	84	75	83
29	96	83	64	77	84	58	100	75	80	88	80	100
30	92	80	63	80	---	32	99	80	46	81	79	87
31	100	---	64	83	---	33	---	80	---	90	81	---
MONTH	96	82	82	80	75	61	75	84	84	79	83	103
YEAR	MAX	159	MIN	32	MEAN	42						

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
AM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	28.0	24.0	26.0	20.0	10.0	---	28.0	26.0	31.0	33.0	35.0	33.0
2	25.0	26.0	22.0	---	16.0	26.0	23.0	29.0	---	32.0	30.0	34.0
3	22.0	25.0	17.0	17.0	21.0	---	28.0	30.0	---	30.0	33.0	---
4	26.0	24.0	---	13.0	18.0	25.0	27.0	29.0	31.0	26.0	35.0	33.0
5	24.0	26.0	20.0	10.0	18.0	17.0	---	28.0	26.0	28.0	33.0	32.0
6	22.0	24.0	20.0	15.0	25.0	17.0	29.0	31.0	32.0	28.0	34.0	32.0
7	25.0	26.0	17.0	15.0	25.0	20.0	26.0	25.0	32.0	34.0	34.0	31.0
8	28.0	26.0	20.0	16.0	24.0	20.0	---	28.0	30.0	32.0	32.0	32.0
9	28.0	24.0	21.0	10.0	17.0	15.0	24.0	27.0	28.0	32.0	35.0	30.0
10	28.0	24.0	21.0	13.0	24.0	22.0	28.0	25.0	31.5	30.0	34.0	29.0
11	30.0	25.0	24.0	12.0	19.0	21.0	28.0	28.0	30.0	32.0	30.0	32.0
12	24.0	20.0	24.0	16.0	23.0	23.0	27.0	28.0	30.0	28.0	33.0	31.0
13	24.0	25.0	20.0	19.0	22.0	18.0	29.0	28.0	31.0	34.0	---	30.0
14	29.0	25.0	23.0	18.0	22.0	14.0	29.0	28.0	33.0	32.0	34.0	32.0
15	23.0	19.0	22.0	---	20.0	---	28.0	24.0	30.0	34.0	34.0	32.0
16	26.0	17.0	15.0	14.0	24.0	16.0	27.0	22.0	29.0	34.0	---	30.0
17	28.0	20.0	14.0	14.0	24.0	---	27.0	28.0	30.0	31.0	32.0	30.0
18	26.0	24.0	10.0	14.0	25.0	23.0	29.0	29.0	28.0	32.0	34.0	32.0
19	30.0	23.0	10.0	15.0	26.0	20.0	29.0	31.0	32.0	32.0	34.0	30.0
20	30.0	18.0	---	16.0	26.0	---	26.0	28.0	31.0	34.0	32.0	30.0
21	28.0	17.0	---	19.0	24.0	20.0	---	29.0	32.0	33.0	32.0	31.0
22	---	19.0	13.0	17.0	19.0	25.0	29.0	29.0	33.0	---	33.0	20.0
23	31.0	17.0	14.0	20.0	21.0	25.0	---	28.0	32.0	32.0	34.0	29.0
24	28.0	15.0	14.0	18.0	19.0	20.0	29.0	28.0	---	32.0	32.0	31.0
25	22.0	17.0	10.0	18.0	23.0	20.0	27.0	29.0	---	---	---	32.0
26	27.0	15.0	17.0	12.0	20.0	25.0	28.0	25.0	34.0	34.0	33.0	32.0
27	26.0	22.0	16.0	12.0	---	26.0	26.0	27.0	---	34.0	---	32.0
28	26.0	18.0	16.0	10.0	24.0	24.0	---	30.0	32.0	34.0	34.0	---
29	26.0	---	10.0	17.0	---	22.0	26.0	26.0	32.0	33.0	32.0	25.0
30	23.0	22.0	15.0	18.0	---	24.0	24.0	29.0	32.0	---	33.0	27.0
31	25.0	---	19.0	14.0	---	26.0	---	---	---	---	30.0	---
MONTH	26.5	21.5	17.5	15.0	21.5	21.5	27.5	27.5	31.0	32.0	33.0	30.5
YEAR	MAX	35.0	MIN	10.0	MEAN	25.5						

07292500 HOMOCHITTO RIVER AT ROSETTA, MS--CONTINUED

ANALYSES OF BIOLOGICAL DATA, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

OCT. 16, 1975

1300 HOURS

IDENTIFICATION OF PHYTOPLANKTON

810 CELLS/ML

ORGANISM NAME	COMMON NAME	CELLS/ML	PER CENT
CHRYSOPHYTA			
BACILLARIOPHYCEAE	DIATOMS		
PENNALES	PENNATE		
CYMBELLACEAE			0
CYMBELLA			
NAVICULACEAE	NAVICULOID		
FRUSTULIA		62	8
GYROSTOMA		62	8
NAVICULA		560	69
NITZSCHACEAE			
NITZSCHIA		62	8
NITZSCHIA		62	8

NOV. 4, 1975

1100 HOURS

IDENTIFICATION OF PHYTOPLANKTON

1,400 CELLS/ML

ORGANISM NAME	COMMON NAME	CELLS/ML	PER CENT
CHRYSOPHYTA			
BACILLARIOPHYCEAE	DIATOMS		
CENTRALES	CENTRIC		
COSCINODISCEAE			
CYCLOTELLA		54	4
MELOSTOMA		270	20
PENNALES	PENNATE		
CYMBELLACEAE			
CYMBELLA		54	4
NAVICULACEAE	NAVICULOID		
NAVICULA		430	32
PINNULARIA		54	4
NITZSCHACEAE			
NITZSCHIA		490	36

07292500 HOMOCHITTO RIVER AT ROSETTA, MS--CONTINUED

ANALYSES OF BIOLOGICAL DATA, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DEC. 11, 1975

1430 HOURS

IDENTIFICATION OF PHYTOPLANKTON

140 CELLS/ML

ORGANISM NAME	COMMON NAME	CELLS/ML	PER CENT
CHLOROPHYTA	GREEN ALGAE		
..CHLOROPHYCEAE			
...CHLOROCOCCALES			
...SCENEDESMACEAE			0
...SCENEDESMUS			
...ZYGNEMATALES			
...DESIDIACEAE	PLACONERM DESMIDS		0
...COSMARIIUM			
CHRYSOPHYTA			
..RACILLARIOPHYCEAE	DIATOMS		
..PENNALS	PENNATE		
...CYMBELLACEAE		14	10
...CYMBELLA			
...FUNOTIACEAE		28	20
...FUNOTIA			
...GOMPHONEMACEAE		14	10
...GOMPHONEMA			
...NAVICULACEAE	NAVICULOID		
...DIPLONEIS			0
...NAVICULA		42	30
...NITZSCHACEAE			
...NITZSCHIA		42	30
...SHIRELLACEAE			
...SHIRELLA			0
CYANOPHYTA	BUFF-GREEN ALGAE		
..MYXOPHYCEAE			
..OSCILLATORIALES	FILAMENTOUS		
...NOSTOCACEAE			
...ANABAEANA			0

JAN. 14, 1976

1300 HOURS

IDENTIFICATION OF PHYTOPLANKTON

160 CELLS/ML

ORGANISM NAME	COMMON NAME	CELLS/ML	PER CENT
CHLOROPHYTA	GREEN ALGAE		
..CHLOROPHYCEAE			
...CHLOROCOCCALES			
...SCENEDESMACEAE			
...SCENEDESMUS		11	7
CHRYSOPHYTA			
..RACILLARIOPHYCEAE	DIATOMS		
..CENTRALES	CENTRIC		
...COSCINOIDISACEAE		22	14
...CYCLOTELLA			
...MELOSTRA		11	7
..PENNALS	PENNATE		
...FUNOTIACEAE			0
...FUNOTIA			
...FRAGILARIACEAE			
...SYNEDRA		11	7
...GOMPHONEMACEAE			
...GOMPHONEMA		17	10
...NAVICULACEAE	NAVICULOID		
...NAVICULA		28	17
...PINNULARIA		11	7
...NITZSCHACEAE			
...NITZSCHIA		28	17
CYANOPHYTA	BUFF-GREEN ALGAE		
..MYXOPHYCEAE			
..CHROOCOCCALES	COCCOID		
...CHROOCOCCACEAE			
...ANACYSTIS		22	14

07292500 HOMOCHITTO RIVER AT ROSETTA, MS--CONTINUED

ANALYSES OF BIOLOGICAL DATA, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

FEB. 4, 1976
1300 HOURS

IDENTIFICATION OF PHYTOPLANKTON

240 CELLS/ML

ORGANISM NAME	COMMON NAME	CELLS/ML	PER CENT
CHLOROPHYTA	GREEN ALGAE		
..CHLOROPHYCEAE			
...CHLOROCOCCALES			
...OCCYSTACEAE			
...ANKISTOMONAS		11	5
...SCENEDESMACEAE			
...SCENEDESMUS		44	18
...VOLVOCALES			
...CHLAMYDOMONADACEAE			
...CHLAMYDOMONAS		11	5
...ZYGNEMATALES			
...DESMIDIACEAE	PLACODERM DESMIDS		
...COSMARION			0
CHRYSOPHYTA			
..BACILLARIOPHYCEAE	DIATOMS		
..CENTRALES	CENTRIC		
...COSCINOIDISACEAE			
...CYCLOTELLA		22	9
...MELOSTOMA			0
..PENNACEAE	PENNATE		
...CYMBELLACEAE			
...CYMBELLA			0
...FRAGILIARIACEAE			
...SYNEURA			0
...GOMPHONEMACEAE			
...GOMPHONEMA			0
...NAVICULACEAE	NAVICULOID		
...NAVICULA		44	18
...NITZSCHACEAE			
...NITZSCHIA		110	45
...SPIRITILLACEAE			
...SPIRITELLA			0
CYANOPHYTA	BLUE-GREEN ALGAE		
..MYXOPHYCEAE			
...OSCILLATORIALES	FILAMENTOUS		
...NOSTOCACEAE			
...ANABAEANA			0

MAR. 4, 1976
1130 HOURS

IDENTIFICATION OF PHYTOPLANKTON

1,300 CELLS/ML

ORGANISM NAME	COMMON NAME	CELLS/ML	PER CENT
CHLOROPHYTA	GREEN ALGAE		
..CHLOROPHYCEAE			
...CHLOROCOCCALES			
...OCCYSTACEAE			
...ANKISTOMONAS		26	2
...DICTYOSPHAERIIA		480	38
...SELENASTRUM		13	1
...SCENEDESMACEAE			
...SCENEDESMUS		52	4
CHRYSOPHYTA			
..BACILLARIOPHYCEAE	DIATOMS		
..PENNACEAE	PENNATE		
...CYMBELLACEAE			
...CYMBELLA		39	3
...EPITHEMIA			0
...FRAGILIARIACEAE			
...SYNEURA			0
...GOMPHONEMACEAE			
...GOMPHONEMA		52	4
...NAVICULACEAE	NAVICULOID		
...NAVICULA		92	7
...NITZSCHACEAE			
...NITZSCHIA		200	15
CYANOPHYTA	BLUE-GREEN ALGAE		
..MYXOPHYCEAE			
...OSCILLATORIALES	FILAMENTOUS		
...OSCILLATORIACEAE			
...OSCILLATORIA		310	25

07292500 HOMOCHITTO RIVER AT ROSETTA, MS--CONTINUED

ANALYSES OF BIOLOGICAL DATA, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

APR. 8, 1976

1400 HOURS

IDENTIFICATION OF PHYTOPLANKTON

240 CELLS/ML

ORGANISM NAME	COMMON NAME	CELLS/ML	PER CENT
CHLOROPHYTA	GREEN ALGAE		
..CHLOROPHYCEAE			
..CHLOROCOCCALES			
..OCCYSTACEAE			
....ANKISTRODES MUS		4	2
....DICTYOSPHAERIUM		16	7
....WESTELIA		16	7
....SCENEDES IACEAE			
....SCENEDES MUS		110	44
CHRYSTOPHYTA			
..BACILLARIOPHYCEAE	DIATOMS		
..PENNALES	PENNAE		
....ACHNANTHACEAE			
....ACHNANTHES		4	2
....CYMBELLACEAE			
....CYMBELLA		4	2
....NAVICULACEAE	NAVICULOID		
....GYROSIGMA			0
....NAVICULA		29	12
....NITZSCHACEAE			
....NITZSCHIA		12	5
CYANOPHYTA	BLUE-GREEN ALGAE		
..MYXOPHYCEAE			
..CHROOCOCCALES	COCCOID		
..CHROOCOCCACEAE			
....ANACYSTIS		49	20

MAY 7, 1976

1230 HOURS

IDENTIFICATION OF PHYTOPLANKTON

6,600 CELLS/ML

ORGANISM NAME	COMMON NAME	CELLS/ML	PER CENT
CHLOROPHYTA	GREEN ALGAE		
..CHLOROPHYCEAE			
..CHLOROCOCCALES			
..OCCYSTACEAE			
....ANKISTRODES MUS		250	4
....KIRCHNERIELLA		63	1
....SCENEDES IACEAE			
....SCENEDES MUS		250	4
CHRYSTOPHYTA			
..BACILLARIOPHYCEAE	DIATOMS		
..PENNALES	PENNAE		
....FRAGILARIACEAE			
....ASTEROIDEA		63	1
....NAVICULACEAE	NAVICULOID		
....NAVICULA		250	4
....NITZSCHACEAE			
....NITZSCHIA		490	13
CYANOPHYTA	BLUE-GREEN ALGAE		
..MYXOPHYCEAE			
..CHROOCOCCALES	COCCOID		
..CHROOCOCCACEAE			
....GOMPHOSPHAERIA		4,700	72
EUGLENOPHYTA	EUGLENOIDS		
..EUGLENOPHYCEAE			
..EUGLENALES			
..EUGLENAEAE			
....TRACHELEMOXAS		63	1

07292500 HOMOCHITTO RIVER AT ROSETTA, MS--CONTINUED

ANALYSES OF BIOLOGICAL DATA, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

JUNE 3, 1976
1330 HOURS

IDENTIFICATION OF PHYTOPLANKTON

1,400 CELLS/ML

ORGANISM NAME	COMMON NAME	CELLS/ML	PER CENT
CHLOROPHYTA	GREEN ALGAE		
..CHLOROPHYCEAE			
...CHLOROCOCCALES			
...OCCYSTACEAE			
....ANKISTRUMIDESMID		57	3
....KIRCHNERIELLA		86	5
...SCENEDESMACEAE			
...SCENEDESMID		230	12
CHRYSDOPHYTA			
..HACILLARIOPHYCEAE	Diatoms		
..PENNACEAE	Pennate		
...CYMBELLACEAE		29	2
...CYMBELLA			
...NAVICULACEAE	Naviculoid		
...NAVICULA		57	3
...NITZSCHACEAE			
...NITZSCHIA		600	33
CYANOPHYTA	BLUE-GREEN ALGAE		
..MYXOPHYCEAE			
...CHROOCOCCALES	Coccolid		
...CHROOCOCCACEAE			
....AGMENELLUM		460	25
....ANACYSTIS		290	16
PHYCOPHYTA			
..DINOPHYCEAE	Dinoflagellates		
...GYMNODINIALES			
...GYMNODINIACEAE			
...GYMNODINIUM		29	2

JULY 9, 1976
1200 HOURS

IDENTIFICATION OF PHYTOPLANKTON

5,400 CELLS/ML

ORGANISM NAME	COMMON NAME	CELLS/ML	PER CENT
CHLOROPHYTA	GREEN ALGAE		
..CHLOROPHYCEAE			
...CHLOROCOCCALES			
...OCCYSTACEAE			
....ANKISTRUMIDESMID		220	4
...SCENEDESMACEAE			
...SCENEDESMID		600	11
...ZYGNEMATALES			
...DESMIDIACEAE	Placoderm Desmids		
...COSMARION		37	1
CHRYSDOPHYTA			
..HACILLARIOPHYCEAE	Diatoms		
..CENTRALES	Centric		
...COSCINOIDISACEAE			
...CYCLOTHELLA		37	1
..PENNACEAE	Pennate		
...CYMBELLACEAE			
...CYMBELLA		37	1
...GOMPHONEMACEAE			
...GOMPHONEMA		37	1
...NAVICULACEAE	Naviculoid		
...NAVICULA		150	3
...PINNULARIA		37	1
...NITZSCHACEAE			
...NITZSCHIA		110	2
CYANOPHYTA	BLUE-GREEN ALGAE		
..MYXOPHYCEAE			
...CHROOCOCCALES	Coccolid		
...CHROOCOCCACEAE			
....ANACYSTIS		4,100	76
EUGLENOPHYTA	EUGLENIDS		
..EUGLENOPHYCEAE			
...EUGLENALES			
...EUGLENACEAE			
...TRACHELOMONAS		37	1

07292500 HOMOCHITTO RIVER AT ROSETTA, MS--CONTINUED

ANALYSES OF BIOLOGICAL DATA, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

AUG. 3, 1976
1200 HOURS

IDENTIFICATION OF PHYTOPLANKTON

2,200 CELLS/ML

ORGANISM NAME	COMMON NAME	CELLS/ML	PER CENT
CHLOROPHYTA	GREEN ALGAE		
..CHLOROPHYCEAE			
...CHLOROCOCCALES			
....COCCYSTACEAE			
.....ANKISTRODESMIUS		100	5
.....KOPCHENKIELLA		17	1
.....COCCYSTIS		17	1
...SCENEFDESMAEAE			
....ACTINASTRIUM		140	6
....CHLOROCYSTIS		69	3
....SCENEFDESMIUS		340	15
..VOLVOCALES			
...CHLAMYDOMONADACEAE			
....CHLAMYDOMONAS		17	1
..ZYGNEMATALES			
...DESIDIACEAE	PLACODERM DESMIUS		
....COSMARITUM		51	2
CHRYSOCHYTA			
..BACILLARIOPHYCEAE	DIATOMS		
..PENNACEAE	PENNATE		
...CYMBELLACEAE			
....CYMBELLA		69	3
...FUSIDIACEAE			
....FUSIDIA		17	1
...NAVICULACEAE	NAVICULOIDS		
....NAVICULA		170	8
....PINNULARIA		51	2
...NITZSCHACEAE			
....NITZSCHIA		260	11
CYANOPHYTA	BLUE-GREEN ALGAE		
..MYXOPHYCEAE			
...CHROOCOCCALES	COCCOIDS		
....CHROOCOCCACEAE			
.....AGMENELLUM		550	24
...OSCILLATOPIALES	FILAMENTOUS		
....NOSTOCACEAE			
.....APHANTZOMENON		340	15
EUGLENOCHYTA	EUGLENOIDS		
..EUGLENOPHYCEAE			
...EUGLENACEAE			
....EUGLENACEAE			
.....PHACUS		17	1
PYRROPHYTA			
..DINOPHYCEAE	DINOFLAGELLATES		
...PERIDINIALES			
....PERIDINIACEAE			
.....PERIDINIUM		17	1

07292500 HOMOCHITTO RIVER AT ROSETTA, MS--CONTINUED

ANALYSES OF BIOLOGICAL DATA, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

SEP. 9, 1975
1300 HOURS

IDENTIFICATION OF PHYTOPLANKTON

2,300 CELLS/ML

ORGANISM NAME	COMMON NAME	CELLS/ML	PER CENT
CHLOROPHYTA	GREEN ALGAE		
..CHLOROPHYCEAE			
...CHLOROCOCCALES			
...MICRACETINACEAE			
...GULENKINTIA		23	1
...OCCYSTACEAE			
...ANKISTRODESMIUS		180	8
...DICTYOSPHAERIUM		180	8
...KIPCHERIELLA		110	5
...SELENASTRIUM		23	1
...TETRAEDON		23	1
...SCENEDESMACEAE			
...CHLORIDEMIA		92	4
...SCENEDESMUS		570	25
...VOLVOCALES			
...CHLAMYDOMONADACEAE			
...CHLAMYDOMONAS		46	2
CHRYSDOPHYTA			
..BACILLARIOPHYCEAE	DIATOMS		
..PENNATES	PENNATE		
...ACHNANTHACEAE			
...ACHNANTHES		46	2
...CYMBELLACEAE			
...CYMBELLA		46	2
...FUNDULACEAE			
...FUNDULIA		92	4
...NAVICULACEAE	NAVICULOID		
...NAVICULA		69	3
...PINNULARIA		69	3
...NITZSCHACEAE			
...NITZSCHIA		250	11
CYANOPHYTA	BLUE-GREEN ALGAE		
..CYANOPHYCEAE			
...CHROOCOCCALES	COCCOID		
...CHROOCOCCACEAE			
...ANACYSTIS		410	18
EUGLENOPHYTA	EUGLENOIDUS		
..EUGLENOPHYCEAE			
...EUGLENALES			
...EUGLENACEAE			
...LEPOTACHNIS		23	1

07295000 BUFFALO RIVER NEAR WOODVILLE, MS

LOCATION.--Lat 31°13'35", long 91°17'45", in SW¼ 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) above mean sea level. 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 poor.

AVERAGE DISCHARGE.--34 years, 268 ft³/s (7.590 m³/s), 20.00 in/yr (508 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.--Maximum discharge, 8,400 ft³/s (238 m³/s) May 10, gage height, 12.04 ft (3.670 m), no peak above base of 11,000 ft³/s (312 m³/s); minimum, 35 ft³/s (0.99 m³/s) Aug. 21, 22, gage height, 4.64 ft (1.414 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2110	82	410	233	1390	130	625	135	76	327	109	310
2	462	80	198	204	361	138	446	87	67	192	242	97
3	257	78	165	323	251	133	358	74	123	156	111	74
4	204	307	148	233	207	118	310	69	61	215	89	70
5	181	239	138	201	178	125	279	65	54	230	80	65
6	162	317	133	190	1290	167	251	63	109	192	84	58
7	151	323	130	187	402	210	224	165	506	154	74	56
8	140	159	123	178	279	450	204	1030	91	242	67	56
9	123	130	120	167	236	860	181	242	69	143	60	50
10	113	113	116	165	212	301	165	2520	60	248	58	48
11	106	104	113	167	198	224	154	926	54	146	56	44
12	100	95	109	178	184	207	146	368	51	218	56	44
13	93	82	106	170	170	414	138	742	48	546	54	44
14	89	80	104	170	156	2250	138	2470	48	358	53	44
15	123	82	109	156	148	2070	128	1940	51	230	51	44
16	1810	84	128	156	146	1770	116	524	60	184	50	44
17	506	84	224	151	140	615	106	323	69	1410	54	44
18	291	84	159	148	151	418	100	239	58	506	42	44
19	190	84	123	146	135	351	95	178	118	310	39	45
20	156	97	123	146	135	317	91	148	63	260	37	48
21	133	95	118	148	998	479	91	128	50	230	37	51
22	120	87	113	146	470	320	82	111	47	555	56	50
23	118	84	113	143	239	276	76	97	47	248	42	45
24	181	87	116	146	192	244	76	84	48	221	39	45
25	116	84	615	1940	170	2840	95	97	48	605	39	48
26	111	1030	337	1280	159	1110	74	74	56	938	51	48
27	111	595	215	354	148	806	67	266	151	239	50	50
28	102	221	187	269	140	501	65	492	72	176	138	95
29	93	176	524	224	133	946	67	123	414	146	218	109
30	87	285	361	195	---	2430	227	82	615	130	74	91
31	82	---	320	944	---	1620	---	74	---	118	279	---
TOTAL	8621	5448	6003	4458	9018	22980	5175	14136	3384	9873	2489	1961
MEAN	278	182	194	306	311	741	173	456	113	318	80.3	65.4
MAX	2110	1030	615	1940	1390	2840	625	2520	615	1410	279	310
MTN	82	78	104	143	118	118	65	63	47	118	37	44
CFSM	1.53	1.00	1.07	1.68	1.71	4.07	.95	2.51	.62	1.75	.44	.36
IN.	1.76	1.11	1.23	1.54	1.84	4.70	1.06	2.89	.69	2.02	.51	.40
CAL YR 1975	TOTAL	154346	MEAN	423	MAX	11500	MIN	63	CFSM	2.32	IN	31.55
WTR YR 1976	TOTAL	94586	MEAN	269	MAX	2890	MIN	37	CFSM	1.48	IN	20.15

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, 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) above mean sea level. Jan. 13, 1951, to May 28, 1963, water-stage recorder at former channel 700 ft (213 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.--26 years, 860 ft³/s (24.36 m³/s), 20.14 in/yr (512 mm/yr).

REMARKS.--Water-discharge records good.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 62,100 ft³/s (1,760 m³/s) Mar. 25, 1973, gage height, 20.19 ft (6.154 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)
Oct. 2	1230	5,340 151	10.45 3.185	Mar. 26	0530	5,930 168	10.94 3.335
Mar. 17	0630	6,900 195	11.75 3.581	Apr. 1	1130	*7,660 217	*12.35 3.764

Minimum discharge, 282 ft³/s (7.99 m³/s) Sept. 23, 24, 25, 26, 27, gage height, 3.41 ft (1.039 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1950	407	810	1210	2320	438	7370	409	449	850	348	467
2	4810	405	927	927	2830	427	4890	415	429	649	368	368
3	2670	403	407	2750	1630	418	1600	379	435	446	378	340
4	1130	412	618	2420	1000	410	1010	367	411	519	350	325
5	792	445	536	1660	858	403	843	359	399	523	358	333
6	664	462	496	1040	700	400	745	356	420	505	358	348
7	596	461	476	843	1240	420	669	365	420	740	358	340
8	556	517	466	772	1570	432	615	459	390	519	350	320
9	522	503	472	651	964	813	570	570	375	610	338	325
10	493	461	467	616	735	1000	529	449	370	700	330	308
11	471	432	437	575	633	899	501	1230	365	628	328	300
12	454	414	424	564	575	618	481	649	363	498	328	298
13	441	399	414	576	534	576	466	1100	358	522	325	296
14	428	390	408	556	503	870	457	1080	355	572	322	296
15	423	387	409	537	481	2510	448	985	350	554	335	294
16	597	387	415	521	466	5210	434	748	353	442	330	292
17	2320	388	451	458	456	6380	422	607	378	533	325	290
18	1870	388	514	473	445	3690	412	523	370	631	313	290
19	1380	385	474	454	435	1420	404	474	375	456	308	290
20	827	389	452	442	424	942	399	449	399	402	333	288
21	644	401	435	437	558	848	397	432	363	396	305	290
22	561	392	421	430	1900	1170	385	423	348	375	303	288
23	516	381	413	423	1690	1270	379	417	343	396	343	284
24	480	375	408	419	955	804	375	414	343	399	318	284
25	472	378	454	432	675	2500	394	417	345	378	308	284
26	455	413	750	2510	573	5420	404	414	373	414	318	284
27	445	1030	747	4180	518	2490	384	432	460	536	365	284
28	440	935	663	2360	482	1700	370	930	561	429	411	294
29	430	677	956	1060	456	1310	366	1020	516	375	355	303
30	417	560	1570	804	---	3190	371	663	512	362	353	298
31	408	---	1660	745	---	6590	---	512	---	355	338	---
TOTAL	28469	13986	19014	31930	26646	55588	27090	18047	11928	15714	10500	9301
MEAN	925	466	613	1030	919	1793	903	582	398	507	339	310
MAX	4810	1030	1660	4180	2830	6590	7370	1230	561	850	411	467
MIN	408	378	408	419	424	400	366	356	343	355	303	284
CFSM	1.54	.80	1.05	1.78	1.58	3.09	1.56	1.00	.69	.87	.58	.53
IN.	1.84	.90	1.22	2.05	1.71	3.57	1.74	1.16	.77	1.01	.67	.60
CAL YR 1975	TOTAL	577902	MEAN	1583	MAX	29400	MIN	346	CFSM	2.73	IN	37.07
WTR YR 1976	TOTAL	268413	MEAN	733	MAX	7370	MIN	284	CFSM	1.25	IN	17.22

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.

Records collected at partial-record 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. Discharge measurements made at miscellaneous sites for both low flow and high flow are given in a third table.

Low-flow partial-record stations

Measurements of streamflow in the area covered by this report made at low-flow partial-record stations are given in the following table. Most of these measurements were made during periods of base flow when streamflow is primarily from ground water storage. These measurements, when correlated with the simultaneous discharge of a nearby stream where continuous records are available, will give a picture of the low-flow potentiality of the stream. The column headed "Period of record" shows the water years in which measurements were made at the same, or practically the same, site.

Discharge measurements made at low-flow partial-record stations during water year 1976

Station No.	Station name	Location	Drainage area (sq mi)	Period of record	Measurements	
					Date	Discharge (cfs)
Yazoo River basin						
07280400	Tillatoba Creek at Charleston, Miss.	Lat 33°59'59", long 90°03'54", in NW¼ sec.35, T.25 N., R.2 E., Choctaw meridian, Tallahatchie County, at bridge on unnumbered State highway, 0.5 mile (0.8 km) above mouth, 0.12 mile (0.19 km) south of city limits of Charleston.	--	1909, 1953, 1955-56, 1959, 1975-76	8-18-76	8.53
Big Black River basin						
07289580	Bear Creek at Canton, Miss.	Lat 32°35'23", long 90°02'31", in SE¼ sec.25, T.9 N., R.2 E., Choctaw meridian, Madison County, at bridge on U.S. Highway 51 at Canton.	--	1952, 1954, 1959-60, 1965, 1976	6-16-76 6-17-76	.27 2.68
St. Catherine Creek basin						
07290893	St. Catherine Creek near Washington, Miss.	Lat 31°34'51", long 91°17'36", in S½ sec.28, T.7 N., R.2 W., Washington meridian, Adams County, at bridge on U.S. Highway 61, 0.5 mile (0.8 km) northeast of Washington.	^a 5	1961-63, 1973, 1976	10- 8-75	2.00
07290895	St. Catherine Creek at Foster, Miss.	Lat 31°35'50", long 91°19'42", in S½ sec.20, T.7 N., R.2 W., Washington meridian, Adams County, at bridge on county road, 0.5 mile (0.8 km) south of Foster.	^a 13	1961-62, 1975-76	10- 7-75	2.30

a Approximately.

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 1976

Station No.	Station name	Location	Drainage area (sq mi)	Period of record	Annual maximum		
					Date	Gage height (feet)	Discharge (cfs)
Mobile River basin							
02430500	Tombigbee River near Marietta, Miss.	Lat 34°26', long 88°25', in SE¼ sec.35, T.7 S., R.8 E., Chickasaw Meridian, Itawamba County at bridge on county highway, 0.5 mi (0.8 km) downstream from confluence of Browns Creek Canal and Mackeys Creek, 3.0 mi (4.8 km) upstream from Donovan Creek Canal, and 6.0 mi (9.7 km) southeast of Marietta.	307	1937-50†, 1968-76	10-17-75	12.02	3,900
02432900	Red Boot Creek near Fulton, Miss.	Lat 34°19'10", long 88°19'30", in NE¼SE¼NW¼ sec.11, T.9 S., R.9 E., Chickasaw Meridian, Itawamba County, at culvert on State Highway 25, 4.4 mi (7.1 km) north of junction of State Highway 25 and U.S. Highway 78 near Fulton. Prior to Oct. 1, 1964, at datum 12.24 ft (3.73 m) lower.	.13	1955-76	1976	(a)	(†)
02434000	Town Creek at Tupelo, Miss.	Lat 34°17'40", long 88°42'35", in SW¼SE¼ 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†, 1971-76	3-21-76	20.54	5,700
02435300	Cow Pike Pass near Tupelo, Miss.	Lat 34°16'00", long 88°37'10", in SW¼SE¼SE¼ sec.25, T.9 S., R.6 E., Chickasaw Meridian, Lee County, at culvert on U.S. Highway 78, 5.5 mi (8.8 km) east of Tupelo. Prior to Oct. 1, 1964, at datum 2.81 ft (0.856 m) lower.	.14	1955-76	3-21-76	5.69	118
02435400	Clear Branch near Tupelo, Miss.	Lat 34°15'30", long 88°39'50", in SW¼SE¼NW¼ 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	1955-76	3-21-76	5.70	205
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	1953-76	3-21-76	16.32	2,710
02435920	Cotton Gin Branch near Tupelo, Miss.	Lat 34°14'10", long 88°50'20", in SE¼SW¼SW¼ sec.1, T.10 S., R.4 E., Chickasaw Meridian, Lee County, at culvert on State Highway 6, 7.5 mi (12.1 km) west of Tupelo. Prior to Oct. 1, 1964, at datum 12.74 ft (3.883 m) lower.	.30	1955-76	3-21-76	3.87	98
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	1955-76	3-21-76	3.86	52
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†, 1968-76	3-21-76	10.08	14,300
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, 1952-76	11-27-73 3-27-76	93.90 90.75	10,000 2,060

Annual maximum discharge at crest-stage partial-record stations during water year 1976--Continued

Station No.	Station name	Location	Drainage area (sq mi)	Period of record	Annual maximum		
					Date	Gage height (feet)	Dis-charge (cfs)
Mobile River basin--Continued							
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.	0.54	1967-76	10-17-75	4.50	117
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†, 1969-76	3-27-76	13.13	1,630
02439800	Cowbell Creek near Houlka, Miss.	Lat 34°04'10", long 89°00'20", in NW¼SE¼NE¼ sec.5, T.12 S., R.3 E., Chickasaw Meridian, Chickasaw County, at culvert on State Highway 15, 1.8 mi (2.9 km) north of Houlka. Prior to Oct. 1, 1964, at datum 1.61 ft (0.491 m) lower.	.46	1955-76	10-17-75	4.93	132
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†, 1969-76	10-17-75	13.54	2,280
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†, 1974-76	2- 6-76	13.00	4,900
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	1967-76	3-27-76	7.02	320
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†, 1969-76	2- 6-76	13.61	5,380
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., R.6 E., Chickasaw Meridian, Clay County, at bridge on State Highway 50, 3.0 mi (4.8 km) west of West Point.	514	1944-73†, 1974-76	2- 6-76	18.26	12,800
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.	6.5	1952-76	10-17-75	20.8	2,730
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	1952-76	6-27-76	24.89	4,610
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	1966-76	2- 6-76	5.44	158
02441300	Catalpa Creek at Mayhew, Miss.	Lat 33°28'50", long 88°37'45", in NE¼SW¼ 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†, 1969-76	2- 6-76	16.67	4,520
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 10 x 6 ft (3.0 x 1.8 m) box culvert on U.S. Highway 45, 7.5 mi (12.1 km) north of Brooksville.	.49	1965-76	10-17-75	6.83	358

Annual maximum discharge at crest-stage partial-record stations during water year 1976--Continued

Station No.	Station name	Location	Drainage area (sq mi)	Period of record	Annual maximum		
					Date	Gage height (feet)	Dis-charge (cfs)
Mobile River basin--Continued							
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.	0.34	1966-76	6-27-76	4.83	120
02447280	Lawson Branch near Betheden, Miss.	Lat 33°15'40", long 88°56'50", in NW¼NW¼NW¼ sec.11, T.16 N., R.13 E., Choctaw Meridian, Winston County, on State Highway 25, 3.4 mi (5.5 km) north of Betheden.	1.11	1966-76	10-17-75	7.06	478
02447340	Cypress Creek tributary at Bradley, Miss.	Lat 33°22'20", long 88°59'00", in NE¼NE¼NE¼ sec.1, T.17 N., R.12 E., Choctaw Meridian, Oktibbeha County, on State Highway 12, 0.3 mi (0.5 km) southwest of Bradley.	.60	1966-76	10-17-75	4.72	142
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	1967-76	3-27-76	5.85	174
02467100	Hamilton Branch near DeKalb, Miss.	Lat 32°47'30", long 88°35'40", in NE¼ sec.19, T.11 N., R.17 E., Choctaw Meridian, Kemper County, at 16 x 6 ft (4.9 x 1.8 m) culvert on State Highway 16, 4.2 mi (6.8 km) north-east of DeKalb.	.97	1965-76	3-27-76	6.82	497
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	1966-76	3-16-76 3-30-76	6.33 --	-- 1,000
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	1940-43b, 1957-76	3-31-76	299.59	8,000
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	1968-76	3-31-76	249.88	13,500
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†, 1968-76	3-31-76	12.94	6,140
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	1966-76	3-30-76	5.36	140
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	1968-76	5- 8-75 3-31-76	216.54 214.24	^c 14,000 9,200
02472700	Okatoma Creek tributary at Mt. Olive, Miss.	Lat 31°46', long 89°38', in NE¼ sec.7, T.9 N., R.16 W., St. Stephens Meridian, Covington County, at double 6 x 4 ft (1.8 x 1.2 m) box culvert on State Highway 532, 0.3 mi (0.5 km) east of Mt. Olive.	.33	1965-76	3-30-76	5.49	239
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	1967-76	3-30-76	6.13	154

Annual maximum discharge at crest-stage partial-record stations during water year 1976--Continued

Station No.	Station name	Location	Drainage area (sq mi)	Period of record	Annual maximum		
					Date	Gage height (feet)	Discharge (cfs)
Pascagoula River basin--Continued							
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	1969-76	3-30-76	157.78	2,160
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	1969-76	3-31-76	310.60	7,900
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†, 1971-76	3-31-76	14.87	1,780
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.	--	1975-76	9- 8-74 5- 7-75 3-30-76	237.19 238.67 239.23	427 697 821
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	1975-76	9- 8-74 5- 7-75 3-30-76	229.73 230.60 232.30	450 588 920
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	1966-76	3-30-76	7.55	1,250
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	1951-76	3-30-76	85.01	1,800
02475050	Waterfall Branch near McLain, Miss.	Lat 31°07'10", long 88°45'25", in SW¼NE¼SE¼ 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	1955-76	10- 1-75	8.57	429
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 6 x 5 ft (1.8 x 1.5 m) box culvert on State Highway 494, 1.2 mi (1.9 km) southeast of Little Rock.	.22	1965-76	10-30-76	4.27	71
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, at 10 x 8 ft (3.0 x 2.4 m) box culvert on State Highway 15, 2.6 miles (4.2 km) north of Baxter.	1.14	1965-76	3-30-76	10.59	743
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 double 5 x 5 ft (1.5 x 1.5 m) culvert on State Highway 18, 3.0 mi (4.8 km) southwest of Rose Hill.	.45	1965-76	3-30-76	5.85	236
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	1963-76	3-31-76	(a)	d, 6,000
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	1967-76	3-30-76	6.46	390

Annual maximum discharge at crest-stage partial-record stations during water year 1976--Continued

Station No.	Station name	Location	Drainage area (sq mi)	Period of record	Annual maximum		
					Date	Gage height (feet)	Dis-charge (cfs)
Pascagoula River basin--Continued							
02479094	Blown Pine Creek near Hattiesburg, Miss.	Lat 31°18'10", long 89°31'00", on line between SW¼ sec.16 and NW¼ sec.21, T.4 N., R.15 W., St. Stephens Meridian, Lamar County, at culvert on U.S. Highway 98, 11.3 mi (18.2 km) west of intersection of U.S. Highway 49 and 98 in Hattiesburg.	1.60	1967-76	3-30-76	7.02	930
02479138	Walls Creek tributary near Brooklyn, Miss.	Lat 31°06'15", long 89°13'05", in NW¼NE¼SE¼ sec.29, T.2 N., R.12 W., St. Stephens Meridian, Forrest County, on U.S. Highway 49, 3.4 mi (5.5 km) northwest of Brooklyn.	.37	1966-76	4-25-76	7.27	319
02479165	Mosquito Branch at Benndale, Miss.	Lat 30°51'40", long 88°49'30", in SW¼NE¼ sec.19, T.2 S., R.8 W., St. Stephens Meridian, George County, at State Highway 26, 1.0 mi (1.6 km) west of Benndale. Prior to Oct. 1, 1964, at datum 0.99 ft (0.30 m) higher.	.22	1955-76	10- 1-75	4.33	84
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	1966-76	3-30-76	4.91	54
02479260	Bluff Creek tributary near Whites Crossing, Miss.	Lat 30°51'10", long 88°57'30", in NE¼SW¼SE¼ sec.23, T.2 S., R.10 W., St. Stephens Meridian, Stone County, on State Highway 26, 5.0 mi (8.0 km) east of Whites Crossing.	0.82	1966-76	2-21-76	6.31	573
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	1959-76	11- 6-75	16.02	1,830
Tchoutacabouffa River basin							
02480500	Tuxachanie Creek near Biloxi, Miss.	Lat 30°31'35", long 88°54'40", in SE¼NW¼ 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	1944-52 1952-71†, 1972-76	5-28-76	(a)	d 4,000
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	1965-76	5-29-76	16.62	6,670
Wolf River basin							
02481505	Mill Creek tributary near Lizana, Miss.	Lat 30°35'50", long 89°19'10", in NW¼ sec.20, T.5 S., R.13 W., St. Stephens Meridian, Harrison County, at culvert on State Highway 53, 6.4 mi (10.3 km) northwest of Lizana.	2.29	1967-76	10- 1-75	5.31	550
Pearl River basin							
02481900	Coonshuck Creek tributary near House, Miss.	Lat 32°39', long 89°01', in NW¼ sec.12, T.9 N., R.12 E., Choctaw Meridian, Neshoba County, at a double 5 x 4 ft (1.5 x 1.2 m) box culvert on State Highway 19, 2.3 mi (3.7 km) northwest of House, and 9.3 mi (15.0 km) southeast of Philadelphia.	0.20	1965-76	3-30-76	4.73	141

Annual maximum discharge at crest-stage partial-record stations during water year 1976--Continued

Station No.	Station name	Location	Drainage area (sq mi)	Period of record	Annual maximum		
					Date	Gage height (feet)	Dis-charge (cfs)
Pearl River basin--Continued							
02482100	Indian Branch near Edinburg, Miss.	Lat 32°46'50", long 89°25'30", in NW¼NE¼ sec.25, T.11 N., R.8 E., Choctaw Meridian, Leake County, on State Highway 16, 5.4 mi (8.7 km) west of Edinburg.	1.92	1966-76	10-16-75	3.60	308
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 10 x 10 ft (3.0 x 3.0 m) box culvert on State Highway 19, 0.3 mi (0.5 km) west of Wamba.	.94	1965-76	3-30-76	6.74	314
02482900	Tallabogue Creek tributary near Harpersville, Miss.	Lat 32°32'00", long 89°28'40", in SW¼SE¼ sec.16, T.8 N., R.8 E., Choctaw Meridian, Scott County, on State Highway 35, 2.8 mi (4.5 km) north of Harpersville.	.12	1966-76	3-30-76	4.23	49
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 double 6 x 4 ft (1.8 x 1.2 m) box culvert on State Highway 12, 4.0 mi (6.4 km) south-west of McCool.	.34	1965-76	10-16-75	4.30	161
02484600	Coffee Bogue at Ludlow, Miss.	Lat 32°34'25", long 89°43'48", in N½ 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.	--	1975-76	3-31-76	11.82	1,700
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	1965-76	8- 1-75 3-30-76	6.34 4.22	C111 40
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.	--	1975-76	3-16-76	11.01	2,200
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 8 x 6 ft (2.4 x 1.8 m) box culvert on State Highway 43, 7.2 mi (11.6 km) southeast of Pisgah.	.59	1965-76	3-30-76	5.26	179
02485385	Hollybush Creek tributary No. 2 near Pisgah, Miss.	Lat 32°25'40", long 89°48'55", in SW¼ sec.20, T.7 N., R.5 E., Choctaw Meridian, Rankin County, at 8 x 4 ft (2.4 x 1.2 m) box culvert on State Highway 43, 7.6 mi (12.2 km) southeast of Pisgah.	.25	1965-76	7- 5-76	4.90	143
02485392	Clear Creek tributary 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	1965-76	3-30-76	5.59	97
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	1952-76	10-16-75	97.78	1,680
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	1953-76	10-16-75	21.74	3,450

Annual maximum discharge at crest-stage partial-record stations during water year 1976--Continued

Station No.	Station name	Location	Drainage area (sq mi)	Period of record	Annual maximum		
					Date	Gage height (feet)	Dis-charge (cfs)
Pearl River basin--Continued							
02485800	Eubanks Creek at Jackson, Miss.	Lat 32°20'15", long 90°09'40", in NE¼NW¼ 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	1954-76	10-16-75	12.88	1,600
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 double 8 x 6 ft (2.4 x 1.8 m) box culvert on New Airport Road, 5.4 mi (8.7 km) west of Brandon.	1.09	1965-76	10-16-75	6.54	510
02486050	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	1953-76	10-16-75	13.15	2,600
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	1955-76	3-20-76	15.25	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	1962-76	3-20-76	279.97	1,110
02486240	Richland Creek tributary near Brandon, Miss.	Lat 32°13'30", long 90°01'10", on line between sec.32, T.5 N., R.3 E. and sec.6, T.4 N., R.3 E., Choctaw Meridian, Rankin County, on State Highway 469, 4.6 mi (7.4 km) southwest of Brandon.	.12	1966-76	3-20-76	5.68	87
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	1958-76	10-18-75	26.00	14,000
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†, 1972-76	4-1-76	29.46	14,800
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	1955-76	3-31-76	4.98	258
02487690	Baking Powder Draw near Prentiss, Miss.	Lat 31°50'20", long 89°53'00", in SE¼NE¼NW¼ sec.14, T.10 N., R.19 W., St. Stephens Meridian, Simpson County, at culvert on State Highway 13, 4.9 mi (7.8 km) north of Jefferson Davis-Simpson County line, and 16.0 mi (25.7 km) north of Prentiss. Prior to Oct. 1, 1964, at datum 1.37 ft (0.418 m) higher.	.82	1955-76	3-31-76	5.02	246
02487710	Barretts Branch near Pinola, Miss.	Lat 31°52'50", long 90°02'40", in NE¼NE¼SE¼ sec.36, T.1 N., R.2 E., Choctaw Meridian, Simpson County, at culvert on State Highway 28, 5.0 mi (8.0 km) west of Pinola. Prior to Oct. 1, 1964, at datum 0.79 ft (0.241 m) lower.	.88	1955, 1957-76	6-18-76	5.64	269

Annual maximum discharge at crest-stage partial-record stations during water year 1976--Continued

Station No.	Station name	Location	Drainage area (sq mi)	Period of record	Annual maximum		
					Date	Gage height (feet)	Discharge (cfs)
Pearl River basin--Continued							
02487770	Bradleys ditch near Pinola, Miss.	Lat 31°52'50", long 90°05'30", in NW¼NW¼SW¼ sec.34, T.1 N., R.2 E., Choctaw Meridian, Simpson County, at culvert on State Highway 28, 8.5 mi (13.7 km) west of Pinola. Prior to Oct. 1, 1964, at datum 1.09 ft (0.332 m) higher.	0.54	1955-76	3-31-76	5.20	168
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†, 1969-76	4- 1-76	17.70	5,840
02488340	Small Pine ditch near Monticello, Miss.	Lat 31°32'50", long 90°15'40", in SW¼SW¼NW¼ sec.25, T.7 N., R.9 E., Washington Meridian, Lawrence County, at culvert on U.S. Highway 84, 9.0 mi (14.5 km) west of Monticello. Prior to Oct. 1, 1964, at datum 0.84 ft (0.256 m) higher.	.16	1955-76	3-31-76	5.05	96
02488510	Roadside Park ditch near Monticello, Miss.	Lat 31°34'30", long 90°03'20", in SW¼SE¼NW¼ sec.18, T.7 N., R.12 E., St. Stephens Meridian, Lawrence County, at culvert on U.S. Highway 84, 3.0 mi (4.8 km) east of Monticello. Prior to Oct. 1, 1964, at datum 0.86 ft (0.262 m) higher.	.25	1955-76	3-31-76	5.54	172
02488540	Newhebron Gulley at Newhebron, Miss.	Lat 31°44', long 90°00', in NW¼SW¼SE¼ sec.22, T.9 N., R.20 W., St. Stephens Meridian, Lawrence County, at 16 x 10 ft (4.9 x 3.0 m) box culvert on paved county highway, 0.9 mi (1.4 km) west of Newhebron.	2.50	1965-76	3-31-76	3.04	146
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	1955-76	1976	(a)	(†)
02488680	Plum ditch near Prentiss, Miss.	Lat 31°35'20", long 89°56'40", on line between NE¼ and SE¼ sec.7, T.7 N., R.19 W., St. Stephens Meridian, Jefferson Davis County, at culvert on U.S. Highway 84, 4.2 mi (6.8 km) west of Prentiss.	.23	1955-76	3-31-76	5.35	110
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	1955-76	7-15-76	8.10	461
02489160	Kokomo Draw at Kokomo, Miss.	Lat 31°11'30", long 90°00'00", in SW¼SE¼SW¼ sec.28, T.3 N., R.12 E., Washington Meridian, Marion County, at culvert on U.S. Highway 98, at Kokomo. Prior to Oct. 1, 1964, at datum 1.20 ft (0.366 m) higher.	1.26	1955-76	7-15-76	4.62	255
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	1953-76	3-31-76	5.08	286
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†, 1969-76	3-31-76	14.99	2,430
Hatchie River basin							
07029252	Pool Branch near Ripley, Miss.	Lat 34°42'50", long 88°47'20", in NW¼NW¼ sec. 28, T.4 S., R.5 E., Chickasaw Meridian, Tippah County, on State Highway 4, 10.1 mi (16.3 km) east of Ripley.	1.24	1966-76	10-16-76	3.31	172

Annual maximum discharge at crest-stage partial-record stations during water year 1976--Continued

Station No.	Station name	Location	Drainage area (sq mi)	Period of record	Annual maximum		
					Date	Gage height (feet)	Dis-charge (cfs)
Wolf River basin							
07030365	Wesley Branch near Walnut, Miss.	Lat 34°57'00", long 89°05'20", in SE¼ sec.33, T.1 S., R.2 E., Chickasaw Meridian, Benton County, on U.S. Highway 72, 10.5 mi (16.9 km) west of Walnut.	2.17	1966-76	1976	(a)	(†)
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†, 1952-76	10-17-75	7.2	1,500
07267200	Cracker ditch near Pontotoc, Miss.	Lat 34°17'30", long 89°11'40", in SE¼NW¼ sec.22, T.9 S., R.1 E., Chickasaw Meridian, Pontotoc County, at culvert on State Highway 6, 11.0 mi (17.7 km) west of Pontotoc. Prior to Oct. 1, 1964, at datum 11.43 ft (3.484 m) lower.	.23	1955-76	1976	(a)	(†)
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.	28.5	1939-42†, 1952-76	5-14-76	12.0	3,350
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†, 1952-76	3-20-76	15.50	2,200
07274250	Otocalofa Creek at Water Valley, Miss. (Prior to Oct. 1, 1972, published as Otuckalofa Creek.)	Lat 34°08'25", long 89°38'17", in SW¼NE¼ 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	1952-76	2- 5-76	24.66	4,850
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†, 1952-76	1976	(a)	(†)
07277550	James Wolf Creek tributary near Looxahoma, Miss.	Lat 34°36'45", long 89°50'30", on line between SW¼ sec.28 and NW¼ sec.33, T.5 S., R.6 W., Chickasaw Meridian, Tate County, at double 8 x 5 ft (2.4 x 1.5 m) box culvert on State Highway 4, 1.2 mi (1.9 km) north of Looxahoma, and 7.8 mi (12.6 km) east of Senatobia.	.29	1965-76	3-20-76	3.75	95
07282300	Sabougla Creek tributary at Sabougla, Miss.	Lat 33°46'10", long 89°27'30", in SE¼ sec.16, T.22 N., R.8 E., Choctaw Meridian, Calhoun County, at culvert on State Highway 8, 0.5 mi (0.8 km) south of Sabougla.	.50	1967-76	11- 6-75	6.57	210
07283490	Caney Creek near Coffeeville, Miss.	Lat 33°55'40", long 89°38'20", in SE¼NE¼SW¼ 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	1955-76	3-27-76	8.06	948
07285100	Tie Plant Branch near Grenada, Miss.	Lat 33°43'40", long 89°47'20", in SE¼NE¼SE¼ sec.32, T.22 N., R.5 E., Choctaw Meridian, Grenada County, on U.S. Highway 51, 3.3 mi (5.3 km) south of Grenada.	.13	1966-76	10- 1-75	4.14	72
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 16 x 12 ft (4.9 x 3.7 m) box culvert on county highway, 1.1 mi (1.8 km) east of Cascilla.	1.64	1965-76	3- 8-76	6.35	530

Annual maximum discharge at crest-stage partial-record stations during water year 1976--Continued

Station No.	Station name	Location	Drainage area (sq mi)	Period of record	Annual maximum		
					Date	Gage height (feet)	Dis-charge (cfs)
Yazoo River basin--Continued							
07286010	Brushy Creek tributary near Oxberry, Miss.	Lat 33°50'45", long 90°03'10", in NE¼ sec.23, T.23 N., R.2 E., Choctaw Meridian, Tallahatchie County, at 24 x 12 ft (7.3 x 3.7 m) culvert on State Highway 35, 4.5 mi (7.2 km) north of Oxberry.	1.49	1965-76	10-16-75	5.04	503
07286047	Tippo Bayou tributary at Phillip, Miss.	Lat 33°45'30", long 90°11'30", in NE¼ sec.21, T.22 N., R.1 E., Choctaw Meridian, Tallahatchie County, at culvert on State Highway 8, 0.8 mi (1.3 km) east of Illinois Central Railroad in Phillip.	.04	1967-76	10-16-75	4.06	21
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	1965-76	10-16-75	5.13	38
07287050	Palusha Creek tributary near Carrollton, Miss.	Lat 33°28', long 89°57', in SE¼ sec.35, T.19 N., R.3 E., Choctaw Meridian, Carroll County, at 8 x 6 ft (2.4 x 1.8 m) box culvert on State Highway 17, 3.4 mi (5.5 km) south of Carrollton.	.43	1965-76	10-16-75	3.44	56
07287165	Mosquito Lake tributary No. 1 at Itta Bena, Miss.	Lat 33°28'55", long 90°19'30", in SE¼NW¼ 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	1966-76	5-28-76	4.19	43
07287170	Mosquito Lake tributary No. 2, at Itta Bena, Miss.	Lat 33°28'45", long 90°19'20", in NE¼NW¼ 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	1966-76	10- 1-75	4.02	67
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	1953-65, 1968-76	2- 6-76	154.2	6,000
07287505	Broad Lake tributary No. 1 near Yazoo City, Miss.	Lat 32°52'50", long 90°29'40", in SE¼SW¼ sec. 15, T.12 N., R.3 W., Choctaw Meridian, Yazoo County, on U.S. Highway 49W, 3.6 mi (5.8 km) northwest of Yazoo River bridge near Yazoo City.	.11	1966-76	10-16-75	3.57	72
07288568	Quiver River tributary near Schlater, Miss.	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	1967-76	10-16-75	5.03	31
Big Black River basin							
07289100	Big Black River tributary near Eupora, Miss.	Lat 33°32'00", long 89°17'40", in SW¼ sec.6, T.19 N., R.10 E., Choctaw Meridian, Webster County, at double 12 x 5 ft (3.7 x 1.5 m) box culvert on U.S. Highway 82, 1.8 mi (2.9 km) southwest of Eupora.	2.29	1965-76	2- 6-76	6.61	748
07289225	Downing Branch near French Camp, Miss.	Lat 33°19', long 89°25', in SW¼ sec.24, T.17 N., R.8 E., Choctaw Meridian, Choctaw County, at 12 x 12 ft (3.7 x 3.7 m) box culvert on State Highway 413, 2.0 mi (3.2 km) north of French Camp.	1.74	1965-76	10-16-75	8.25	555
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	1975-76	3-31-76	25.17	1,520
07289268	Hays Creek tributary near Vaiden, Miss.	Lat 33°21'20", long 89°48'00", in NW¼NW¼ sec.8, T.17 N., R.5 E., Choctaw Meridian, Carroll County, on State Highway 35, 4.3 mi (6.9 km) northwest of Highway 51 near Vaiden.	.40	1966-76	10-16-75	5.49	205

Annual maximum discharge at crest-stage partial-record stations during water year 1976--Continued

Station No.	Station name	Location	Drainage area (sq mi)	Period of record	Annual maximum		
					Date	Gage height (feet)	Dis-charge (cfs)
Big Black River basin--Continued							
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.	0.30	1967-76	10-16-75	6.64	175
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 6 x 6 ft (1.8 x 1.8 m) box culvert on State Highway 17, 3.6 mi (5.8 km) north of Pickens.	.15	1965-76	3-27-76	5.71	138
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	1948-76	1-25-76	17.41	2,400
07289640	Panther Creek near Flora, Miss.	Lat 32°33'57", long 90°10'22", in SW¼ sec.2, T.8 N., R.1 E., Choctaw Meridian, Madison County, at 6 x 5 ft (1.8 x 1.5 m) box culvert on State Highway 22, 8.0 mi (12.9 km) northeast of Flora.	.26	1965-76	3-27-76	6.45	202
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 5 x 2.2 ft (1.5 x 0.67 m) culvert on State Highway 22, 8.3 mi (13.4 km) northeast of Flora.	.07	1965-76	3-27-76	5.65	102
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.	^f 36	1953-76	10-16-75	24.98	6,200
Bayou Pierre basin							
07290220	Dry Draw near Brookhaven, Miss.	Lat 31°38'35", long 90°25'50", in NW¼SW¼ sec.20, T.8 N., R.8 E., Washington Meridian, Lincoln County, on U.S. Highway 51, 4.5 mi (7.2 km) north of Brookhaven.	0.20	1966-76	3-30-76	5.07	130
07290525	Whiteoak Creek tributary near Utica, Miss.	Lat 32°04'00", long 90°31'35", in SE¼ sec.29, Choctaw Meridian, Hinds County, at 12 x 12 ft (3.7 x 3.7 m) box culvert on State Highway 27, 6.3 mi (10.1 km) southeast of Utica.	1.36	1965-76	3-30-76	7.79	495
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†, 1963-76	3-31-76	20.83	9,590
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	1967-76	3-31-76	13.80	1,470
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†, 1963-76	10-16-75	23.34	28,600
St. Catherine Creek basin							
07290910	Spanish Bayou at Natchez Miss.	Lat 31°31'50", long 91°22'25", in sec.46, T.7 N., R.3 W., Washington Meridian, Adams County, at culvert on U.S. Highways 84 and 65, at southern city limits of Natchez.	2.59	1967-76	3-31-76	7.88	567

Annual maximum discharge at crest-stage partial-record stations during water year 1976--Continued

Station No.	Station name	Location	Drainage area (sq mi)	Period of record	Annual maximum		
					Date	Gage height (feet)	Dis-charge (cfs)
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, 1955-76	3-31-76	81.59	4,000
07291260	Beaver Run near McCall Creek, Miss.	Lat 31°30'30", long 90°43'10", in NW¼NE¼ sec.8, T.6 N., R.5 E., Washington Meridian, Franklin County, at culvert on U.S. Highway 84, 1.4 mi (2.3 km) west of McCall Creek. Prior to Oct. 1, 1964, at datum 0.56 ft (0.171 m) higher.	2.61	1955-76	3-31-76	7.47	642
07294400	Observers Draw near Doloroso, Miss.	Lat 31°19'10", long 91°21'20", between secs.10 and 22, T.4 N., R.2 W., Washington Meridian, Wilkinson County, at culvert on U.S. Highway 61, 1.3 mi (2.1 km) north of Doloroso. Prior to Oct. 1, 1964, at datum 0.80 ft (0.244 m) higher.	.22	1954-76	3-31-76	7.04	202
Thompson Creek basin							
07373550	Moore's 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	1955-76	6-30-76	4.61	180
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	1966-76	10-16-75	6.40	470
07376665	Stock Pond Draw near Liberty, Miss.	Lat 31°10'15", long 90°45'20", in NW¼SE¼NE¼ sec.1, T.2 N., R.4 E., Washington Meridian, Amite County, on State Highway 24, 3.4 mi (5.5 km) east of Liberty.	.38	1966-76	10-16-76	8.26	443
07376760	CRS Draw near Liberty, Miss.	Lat 31°06'50", long 90°54'10", in SW¼NW¼ 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	1966-76	7-15-76	8.58	545

† Discharge not determined.

‡ Operated as a continuous-record gaging station.

a High-water mark was not determined.

b Gage height and discharge measurements in files of Corps of Engineers.

c Revised.

d Estimated.

e Published at site near Howard, 3 mi (5 km) downstream.

f Approximately.

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 1976

Discharge measurements made at miscellaneous sites during water year 1976						
Stream	Tributary to	Location	Drainage area (sq mi)	Measured previously (water years)	Measurements	
					Date	Discharge (cfs)
Mobile River basin						
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 mile (1.6 km) northwest of Porterville, Miss.	136	1942-44, 1953-54, 1959-60, 1973	9- 9-76	172
Pascagoula River basin						
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 mile (1.6 km) west of Estabutchie, Miss.	--	1965, 1975	8-18-76	*227
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 highway, 4.4 miles (7.1 km) northwest of Glendale, Miss.	--	1975	8-19-76	*267
Tallahala Creek	Leaf River	Lat 31°47'07", long 89°04'33", in SW¼ sec.35, T.10 N., R.11 W., St. Stephens meridian, Jones County, at county highway, 2.3 miles (3.7 km) west of Sandersville, Miss.	^a 200	1965 ^b , 1975	5-12-76 6-15-76	147 *29.3
Mill Creek	Tallahala Creek	Lat 31°42'24", long 88°56'38", in NE¼ sec.36, T.9 N., R.10 W., St. Stephens meridian, Jones County, on State Highway 84, 11.2 miles (18.0 km) east of Laurel, Miss.	--	--	3-30-76	105
Thompson Creek	Leaf River	Lat 31°41'59", long 88°54'00", in SE¼ sec.33, T.9 N., R.9 W., St. Stephens meridian, Wayne County, on State Highway 84, 13.7 miles (22.0 km) east of Laurel, Miss.	--	--	3-30-76	† 1,770
Little Thompson Creek	Thompson Creek	Lat 31°41'47", long 88°50'56", on line between sec.36, T.9 N. and sec.1, T.8 N., R.9 W., St. Stephens meridian, Wayne County, on State Highway 84, 2.5 miles (4.0 km) west of Whistler, Miss.	--	--	3-30-76	† 705
Thompson Creek	Leaf River	Lat 31°29'14", long 88°52'17", in NW¼ sec.14, T.6 N., R.9 W., St. Stephens meridian, Wayne County, at bridge on county road, 1.8 miles (2.9 km) southwest of Mulberry, Miss.	--	1969, 1973	3-31-76	4,100
Black Creek	Pascagoula River	Lat 31°11'25", long 89°22'36", in SW¼ sec.26, T.3 N., R.15 W., St. Stephens meridian, Lamar County, on U.S. Highway 11, 4.0 miles (6.4 km) northwest of Purvis, Miss.	154	1957-70 ^b , 1975	8-18-76	*34.7
Flint Creek	Red Creek	Lat 30°50'40", long 89°04'30", in SE¼ sec.27, T.2 S., R.11 W., St. Stephens meridian, Stone County, at bridge on State Highway 26, 3.8 miles (6.1 km) east of Wiggins, Miss.	24.8	1957-69, 1971-72, 1975	8-19-76	*18.5
Bayou Bernard basin						
Flat Branch	Bayou Bernard	Lat 30°28'16", long 89°05'11", in SW¼SW¼ sec.34, T.6 S., R.11 W., St. Stephens meridian, Harrison County, at bridge on county road, 2.3 miles (3.7 km) southeast of Lyman, Miss.	--	--	4-21-76	*.37
Flat Branch	Bayou Bernard	Lat 30°26'57", long 89°05'34", in E¼ sec.9, T.7 S., R.11 W., St. Stephens meridian, Harrison County, 1.3 miles (2.1 km) southwest of Nugent, Miss.	--	--	4-19-76	*2.06
Flat Branch tributary No. 1	Flat Branch	Lat 30°27'42", 89°06'14", in SW¼ sec.5, T.7 S., R.11 W., St. Stephens meridian, Harrison County, at bridge on county highway East of U.S. Highway 49, at Nugent, Miss.	--	--	4-21-76	*.03
Flat Branch tributary No. 1	Flat Branch	Lat 30°26'57", long 89°05'46", in W¼ sec.9, T.7 S., R.11 W., St. Stephens meridian, Harrison County, at bridge on county road, west of U.S. Highway 49, at Landon, Miss.	--	--	4-21-76	*.21

Discharge measurements made at miscellaneous sites during water year 1976--Continued

Discharge measurements made at miscellaneous sites during water year 1976--Continued

Stream	Tributary to	Location	Drainage area (sq mi)	Measured previously (water years)	Measurements	
					Date	Discharge (cfs)
Bayou Portage basin						
Canal No. 2	Bayou Portage	Lat 30°22'26", long 89°10'28", in SE¼ sec.3, T.8 S., R.12 W., St. Stephens meridian, Harrison County, on county road, 2.2 miles (3.5 km) northwest of Long Beach, Miss.	--	--	10-22-75	*1.03
Canal No. 3	Bayou Portage	Lat 30°21'52", long 89°12'14", on line between NW¼ sec.9 and NE¼ sec.8, T.8 S., R.12 W., St. Stephens meridian, Harrison County, on county road, 0.9 mile (1.4 km) east of Cuevas, Miss.	--	--	10-22-75	* 3.17
Canal No. 1	Johnson Bayou	Lat 30°22'08", long 89°09'03", on line between NW¼ sec.1 and NE¼ sec.12, T.8 S., R.12 W., St. Stephens meridian, Harrison County, on county highway, 1.5 miles (2.4 km) west of Gulfport, Miss.	--	--	10-22-75	*.23
Canal No. 1	Johnson Bayou	Lat 30°21'37", long 89°09'45", in center of sec.11, T.8 S., R.12 W., St. Stephens meridian, Harrison County, on county highway, 1.2 miles (1.9 km) northwest of Long Beach, Miss.	--	--	10-22-75	*1.81
Canal No. 1	Johnson Bayou	Lat 30°20'41", long 89°11'13", on line between SW¼ sec.15, and SE¼ sec.16, T.8 S., R.12 W., St. Stephens meridian, Harrison County, on county road, 2.2 miles (3.5 km) southeast of Cuevas, Miss.	--	--	10-22-75	*4.41
Canal No. 1	Johnson Bayou	Lat 30°20'12", long 89°12'15", in NE¼ sec.20, T.8 S., R.12 W., St. Stephens meridian, Harrison County, on county road, 2.6 miles (4.2 km) northeast of Pass Christian, Miss.	--	--	10-22-75	*4.19
Wolf River basin						
Wolf River	Bay St. Louis	Lat 30°24'53", long 89°12'13", in SW¼ sec.21, T.7 S., R.12 W., St. Stephens meridian, Harrison County, at bridge on Interstate 10, 5 miles (8 km) northwest of Gulfport, Miss.	--	1972	7-20-76	*145
Pearl River basin						
Sipsey Creek	Tuscolameta Creek (North Canal)	Lat 32°32'33", long 89°21'32", in NW¼ sec.15, T.8 N., R.9 E., Choctaw meridian, Scott County, at State Highway 21, 15 miles (24.1 km) northeast of Forest, Miss.	82.2	1953, 1968-69, 1971, 1973	10-17-75	+7,510
Pearl River	Gulf of Mexico	Lat 32°39'56", long 89°38'30", in SW¼ sec.36, T.10 N., R.6 E., Choctaw meridian, Leake County, at bridge on State Highway 13, 0.8 mile (1.3 km) downstream from Tuscolameta Creek, 3.8 miles (6.1 km) upstream from Yockanookany River, 6.0 miles (9.7 km) north of Lena, Miss.	1,995	1936-53†, 1962-64	2-13-76	1,460
Pearl River	Gulf of Mexico	Lat 32°20'00", long 90°07'42", in NE¼SE¼ sec.30, T.6 N., R.2 E., Choctaw meridian, Hinds County, 200 ft (61 m) downstream from downstream bridge on State Highway 25, Jackson, Miss.	--	1969	4- 2-76	46,600
Hardy Creek	Pearl River	Lat 32°15'25", long 90°13'20", in SW¼ sec.20, T.5 N., R.1 E., Choctaw meridian, Hinds County, at bridge on old U.S. Highway 51 South (Terry Road), 0.9 mile (1.4 km) upstream from I.C. Railroad bridge and 1.2 miles (1.9 km) upstream from mouth, at Jackson, Miss.	2.13	1961, 1964-67, 1969	10-16-75	696
Cany Creek	Pearl River	Lat 34°14'10", long 90°14'00", in NE¼ sec.31, T.5 N., R.1 E., Choctaw meridian, Hinds County, 1.2 miles (1.9 km) upstream from I.C. Railroad bridge, 1.7 miles (2.7 km) upstream from mouth, at bridge on old U.S. Highway 51 south (Terry Road) at Jackson, Miss.	--	1961, 1964, 1966-67, 1971, 1973	10-16-75	2,410
Pearl River	Gulf of Mexico	Lat 32°10'40", long 90°14'35", in NW¼ sec.19, T.4 N., R.1 E., Choctaw meridian, Hinds County, at bridge on county road, 0.2 mile (0.3 km) southeast of Byram, Miss.	^a 3,430	1939, 1964, 1972	9-23-76	*282

Discharge measurements made at miscellaneous sites during water year 1976--Continued

Stream	Tributary to	Location	Drainage area (sq mi)	Measured previously (water years)	Measurements	
					Date	Discharge (cfs)
Pearl River basin--Continued						
Strong River	Pearl River	Lat 31°33'10", long 89°59'33", in NE¼ sec.33, T.1 N., R.3 E., Choctaw meridian, Simpson County, at bridge on State Highway 28, 2.0 miles (3.2 km) west of Pinola, Miss.	--	--	6-10-76	*218
Bogue Chitto	Pearl River	Lat 31°01'20", long 90°12'20", on line between secs.28 and 29, T.1 N., R.10 E., Washington meridian, Walthall County, on county road, 1.0 mile (1.6 km) west of Lehr, Miss.	--	1970-71	5-26-76	737
Yazoo River basin						
Otocalofa Creek	Yocona River	Lat 34°08'00", long 89°37'24", on line between secs.9 and 16, T.11 S., R.4 W., Chickasaw meridian, Yalobusha County, 1.5 miles (2.4 km) southeast of Water Valley, Miss.	--	--	8-17-76	*13.9
Town Creek	Otocalofa Creek	Lat 34°08'50", long 89°38'02", in NE¼ sec.8, T.11 S., R.4 W., Chickasaw meridian, Yalobusha County, on State Highway 7, at Water Valley, Miss.	--	--	8-18-76	*2.27
Otocalofa Creek	Yocona River	Lat 34°09'47", long 89°41'47", on line between sec.35, T.10 S. and sec.2, T.11 S., R.5 W., Chickasaw meridian, Yalobusha County, at bridge on county road, 3.9 miles (6.3 km) west of Water Valley, Miss.	--	--	8-17-76	*28.4
Tillatoba Creek	Tallahatchie River	Lat 34°01'35", long 89°51'54", in NE¼ sec.22, T.25 N., R.4 E., Choctaw meridian, Yalobusha County, at bridge on county highway, 1.0 mile (1.6 km) northeast of U.S. Highway 55, 4.0 miles (6.4 km) southeast of Oakland, Miss.	--	1973, 1975	8-17-76	*.28
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 miles (4.8 km) northwest of Tillatoba, Miss.	--	1973, 1975	8-17-76	*.97
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 miles (7.2 km) southeast of Tillatoba, Miss.	--	1973, 1975	8-16-76	*.81
South Fork Tillatoba Creek	Tillatoba Creek	Lat 33°55'55", long 89°56'40", in SE¼ sec.23, T.24 N., R.3 E., Choctaw meridian, Tallahatchie County, 4 miles (6 km) west of Scobey, and 4 miles (6 km) southwest of Tillatoba, Miss.	--	1973, 1975	8-16-76	*1.27
Simmons Creek	South Fork Tillatoba Creek	Lat 33°58'30", long 89°51'54", in S½ sec.3, T.24 N., R.4 E., Choctaw meridian, Yalobusha County, at bridge on county road, 2.0 miles (3.2 km) southeast of Tillatoba, Miss.	--	1973, 1975	8-17-76	*.09
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 mile (1.6 km) south of Tillatoba, Miss.	--	1973, 1975	8-16-76	*.44
South Fork Tillatoba Creek	Tillatoba Creek	Lat 33°57'36", long 89°56'57", on line between secs.10 and 11, T.24 N., R.4 E., Choctaw meridian, Tallahatchie County, on county road 4.0 miles (6.4 km) southwest of Tillatoba, Miss.	--	1973-75	8-17-76	*2.38
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 miles (6.4 km) east of Charleston, Miss.	-	1975	8-16-76	*6.43
Quiver River	Big Sunflower	Lat 33°38'25", long 90°24'05", in SE¼ sec.33, T.21 N., R.2 W., Choctaw meridian, Leflore County, on downstream side of State Highway 442 bridge, at mile 33.4 (53.7 km), and 8 miles (2.6 km) east of Doddsville, Miss.	292	1953, 1959-60	8-20-75	*411

Discharge measurements made at miscellaneous sites during water year 1976--Continued

Stream	Tributary to	Location	Drainage area (sq mi)	Measured previously (water years)	Measurements	
					Date	Discharge (cfs)
Big Black River basin						
Bear Creek	Big Black River	Lat 32°36'29", long 90°03'46", in NW¼ sec.23, T.9 N., R.2 E., Choctaw meridian, Madison County, at bridge on State Highway 22, 1.0 mile (1.6 km) west of Canton, Miss.	--	1958	6-16-76 6-17-76	*2.42 3.18
Bear Creek	Big Black River	Lat 32°38'24", long 90°04'21", in E½ sec.10, T.9 N., R.2 E., Choctaw meridian, Madison County, on county road, 3.0 miles (4.8 km) northwest of Canton and 2.0 miles (3.2 km) west of Mill Town, Miss.	--	--	6-15-76 6-17-76	*1.92 6.32
Batchelor Creek	Bear Creek	Lat 32°37'04", long 90°01'28", in NW¼ sec.19, T.9 N., R.2 E., Choctaw meridian, Madison County, at bridge on U.S. Highway 51, 1.0 mile (1.6 km) south of Mill Town, Miss.	--	--	6-16-76	*.12
Batchelor Creek	Bear Creek	Lat 32°38'15", long 90°03'16", on line between secs.11 and 12, T.9 N., R.2 E., Choctaw meridian, Madison County, at bridge on county road, 2.0 miles (3.2 km) north of Canton, Miss.	--	1960-62 ^b	6-16-76	*.56
St. Catherine Creek basin						
St. Catherine Creek	Mississippi River	Lat 31°33'40", long 91°21'38", on line between secs.71 and 96, T.7 N., R.2 W., Washington meridian, Adams County, at bridge on U.S. Highway 61, at Natchez, Miss.	--	--	10- 8-75	*.36
St. Catherine Creek	Mississippi River	Lat 31°32'29", long 91°21'43", on line between secs.74 and 75, T.7 N., R.2 W., Washington meridian, Adams County, at bridge on State Highway 551, 2 miles (3.2 km) south of Morgantown, Miss.	--	--	10- 8-75	*3.85
Spanish Bayou	St. Catherine Creek	Lat 31°31'21", long 91°23'44", on line between secs.6 and 46 and T.6 N. and T.7 N., R.3 W., Washington meridian, Adams County, at bridge on U.S. Highway 61, 2.5 miles (4.0 km) south of Natchez and 1.2 miles (1.9 km) northeast of Linwood, Miss.	--	--	10- 8-75	*2.63
St. Catherine Creek	Mississippi River	Lat 31°31'04", long 91°24'34", in SW¼ sec.8, T.6 N., R.3 W., Washington meridian, Adams County, at bridge on State Highway 655, at Linwood, Miss.	--	1975	10- 7-75	*5.79
Mississippi River Delta						
Tangipohoa River	Lake Pontchartrain	Lat 31°00'43", long 90°27'40", in NW¼ sec.36, T.1 N., R.7 E., Washington meridian, Pike County, at bridge on State Highway 584, at Osyka, Miss.	--	--	8-18-76	*100

† Operated as a continuous-record gaging station.

a Approximately.

b Operated as a crest-stage gage.

c Not previously published.

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, except those designated by prefix "a" which were obtained by and are in files of USGS.

Discharge measurements made in Tennessee-Tombigbee Study Area, Mississippi, during water year 1976

Stream	Tributary to	Location	Drainage area (sq mi)	Measured previously (water years)	Measurements	
					Date	Discharge (cfs)
Mobile River basin						
02429710 Big Rock Hollow	Big Brown Creek	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 miles (5.5 km) north of Altitude, Miss.	1.06	1972, 1975	8-20-76 9-18-76	0.01 .06
02429713 Yarber Branch	Big Rock Hollow	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 miles (5.5 km) north of Altitude, Miss.	.47	1972, 1974-75	8-20-76 9-18-76	.09 .14
02429718 Big Rock Hollow	Big Brown Creek	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 miles (3.9 km) north of Altitude, Miss.	2.93	1972, 1974-75	8-20-76 9-18-76	.14 .22
02429725 Heading Mill Hollow	Big Brown Creek	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 miles (4.2 km) north of Altitude, Miss.	3.88	1972, 1974-75	8-20-76 9-18-76	.13 .38
02429735 Big Brown Creek	Mackeys 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 miles (1.1 km) east of Altitude, Miss.	11.3	1972, 1974-75	8-21-76 9-24-76	.34 .51
02429742 North Channel of East Prong	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 miles (5.3 km) northeast of Altitude, Miss.	1.53	1972, 1974-75	8-21-76 9-21-76	.10 .07
02429743 Middle Channel of East Prong	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 miles (5.3 km) northeast of Altitude, Miss.	.12	1972	9-19-76	.01
02429745 South Channel of East Prong	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 miles (5.3 km) northeast of Altitude, Miss.	.20	1972	9-19-76	.02
02429750 East Prong	Big Brown Creek	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 miles (3.9 km) northeast of Altitude, Miss.	4.93	1972, 1974-75	8-21-76 9-19-76 9-21-76	.12 .12 .09
02429933 Little Brown Creek	Big 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 miles (2.9 km) northwest of Burton, Miss.	1.59	1972, 1974-75	8-21-76 9-19-76	.25 .29
02429934 Little Brown Creek tributary	Little Brown Creek	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 miles (2.1 km) north of Burton, Miss.	3.28	1972, 1974-75	8-21-76 9-19-76	1.32 1.49
024299348 Little Brown Creek tributary No. 4	Little Brown Creek	Lat 34°39'27", long 88°20'44", in W¼ sec.10, T.5 S., R.9 E., Chickasaw meridian, Prentiss County, on State Highway 365, 1.4 miles (2.3 km) north of Burton, Miss.	.77	1972	9-19-76	.23
02429935 Little Brown Creek	Big Brown Creek	Lat 34°38'42", long 88°21'26", in center of sec.16, T.5 S., R.9 E., Chickasaw meridian, Prentiss County, on county road, 1.2 miles (1.9 km) northwest of Burton, Miss.	6.86	1972, 1974-75	8-21-76 9-19-76 9-21-76	2.12 2.21 2.49
02429942 Little Brown Creek tributary	Little Brown Creek	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 miles (2.6 km) east of New Hope, Miss.	10.1	1972, 1974-75	9-14-76	3.26

Discharge measurements made in Tennessee-Tombigbee Study Area, Mississippi, during water year 1976

Stream	Tributary to	Location	Drainage area (sq mi)	Measured previously (water years)	Measurements	
					Date	Discharge (cfs)
Mobile River basin--Continued						
02429943 Little Brown Creek tributary	Little Brown Creek	Lat 34°37'30", long 88°21'40", in NW¼ sec.28, T.5 S., R.9 E., Chickasaw meridian, Prentiss County, on county road, 1.7 miles (2.7 km) east of New Hope, Miss.	0.15	1972, 1974-75	9-23-76	0.02
02429946 Lacy Creek tributary	Lacy Creek	Lat 34°39'38", long 88°22'25", in E½ sec.8, T.5 S., R.9 E., Chickasaw meridian, Prentiss County, on county road, 2.5 miles (4.0 km) northwest of Burton, Miss.	.06	1972	9-19-76	0
02429968 Mackeys Creek	Tombigbee River	Lat 34°41'40", long 88°17'17", in NW¼ sec.31, T.4 S., R.10 E., Chickasaw meridian, Tishomingo County, just above mouth of Burgess Creek, on county road, 2.6 miles (4.2 km) southeast of Holcut, Miss.	--	--	1-15-76 1-28-76 2-12-76	^a 3.23 ^a 2.94 ^a 2.84
02429969 Burgess Creek	Mackeys Creek	Lat 34°41'42", long 88°17'32", in NW¼ sec.31, T.4 S., R.10 E., Chickasaw meridian, Tishomingo County, on county road, 3.0 miles (4.8 km) northwest of Paden, Miss.	1.05	1972, 1974-75	10-15-75 1-15-76 8-22-76 9-23-76	^a .59 ^a 2.47 .41 .44
02429970 Mackeys Creek tributary	Mackeys Creek	Lat 34°41'28", long 88°17'20", in NW¼ sec.31, T.4 S., R.10 E., Chickasaw meridian, Tishomingo County, on county road, 2.7 miles (4.3 km) north northwest of Paden, Miss.	.39	1972, 1975	10- 3-75 1-16-76 8-22-76 9-23-76	^a .11 ^a .29 .06 .03
02429972 Hurricane Creek	Mackeys 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 miles (3.7 km) northwest of Paden, Miss.	.69	1972, 1975	9-23-76	.06
02429973 Hurricane Creek tributary	Hurricane Creek	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 miles (2.7 km) northwest of Paden, Miss.	.90	1972, 1974-75	9-23-76	.08
02429974 Hurricane Creek	Mackeys Creek	Lat 34°40'02", long 88°17'04", in SE¼ sec.6, T.5 S., R.10 E., Chickasaw meridian, Tishomingo County, on county road, 1.3 miles (2.1 km) northwest of Paden, Miss.	--	--	1-15-76	^a 3.76
024299745 Mackeys Creek	Tombigbee River	Lat 34°40'02", long 88°16'42", in SE¼ sec.6, T.5 S., R.10 E., Chickasaw meridian, Tishomingo County, on county road, 1.0 mile (1.6 km) northwest of Paden, Miss.	--	--	1-15-76 1-28-76 2-12-76	^a 13.4 ^a 11.8 ^a 11.0
02429975 Black Branch	Mackeys Creek	Lat 34°39'53", long 88°16'00", in N¼ sec.8, T.5 S., R.10 E., Chickasaw meridian, Tishomingo County, on Illinois Central Railroad bridge, 0.5 mile (0.8 km) north of Paden, Miss.	1.40	1972, 1974-75	10-15-75 8-22-76 9-23-76	^a 1.18 .49 .50
02429977 Panther Creek	Mackeys 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 mile (0.5 km) east of Paden, Miss.	2.76	1972, 1974-75	8-22-76 9-23-76	2.65 2.64
02429978 King Creek North Fork	King Creek	Lat 34°38'21", long 88°14'04", in SW¼ sec.15, T.5 S., R.10 E., Chickasaw meridian, Tishomingo County, on old State Highway 30, 0.2 mile (0.3 km) northwest of Tishomingo, Miss.	3.51	1972, 1974-75	8-22-76 9-22-76	.86 1.00
02429979 King Creek South Fork	King Creek	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 mile (0.3 km) west of Tishomingo, Miss.	3.51	1972, 1974-75	8-22-76 9-22-76	2.12 2.19
024299792 King Creek tributary	King Creek	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 mile (1.4 km) northwest of Tishomingo, Miss.	.15	1972, 1974-75	8-22-76 9-22-76	.32 .33
024299794 King Creek tributary No. 2	King Creek	Lat 34°38'28", long 88°15'03", in S½ sec.16, T.5 S., R.10 E., Chickasaw meridian, Tishomingo County, on Natchez Trace, 1.1 miles (1.8 km) northwest of Tishomingo, Miss.	.08	1972	8-22-76 9-22-76	.02 .02

Discharge measurements made in Tennessee-Tombigbee Study Area, Mississippi, during water year 1976

Stream	Tributary to	Location	Drainage area (sq mi)	Measured previously (water years)	Measurements	
					Date	Discharge (cfs)
Mobile River basin--Continued						
024299814 Mackeys Creek tributary	Mackeys Creek	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 miles (1.9 km) south of Paden, Miss.	0.19	1972, 1974-75	8-22-76 9-22-76	0.10 .12
02429985 Sandy Hook Creek	Mackeys 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 miles (2.9 km) southwest of Paden, Miss.	1.13	1972, 1974-75	8-22-76 9-22-76	.44 .51
02429987 Reedy Branch	Sandy Hook Creek	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 miles (3.7 km) southwest of Paden, Miss.	.82	1972, 1975	9-22-76	.15
02429988 Reedy Branch tributary	Reedy Branch	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 miles (3.7 km) southwest of Paden, Miss.	.53	1972	9-22-76	.12
02429996 Riddle Creek	Mackeys 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 miles (7.1 km) southeast of Burton, Miss.	3.72	1972, 1975	8-22-76 9-24-76	.23 .34
02430030 Rock Creek	Mackeys 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 miles (4.7 km) west of Belmont, Miss.	4.33	1972	9-24-76	1.39
02430048 Jourdan Creek	Rock 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 miles (4.7 km) southwest of Dennis, Miss.	5.74	1972, 1974-75	8-21-76 9-24-76	.81 1.26
02430110 Caveness Branch	Mackeys Creek	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 miles (2.9 km) northwest of Moores Mill, Miss.	4.45	1972, 1974-75	8-23-76 9-24-76	1.32 2.24
02430120 Pounds Creek	Caveness Branch	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 miles (3.1 km) northwest of Moores Mill, Miss.	3.53	1972, 1974-75	8-23-76 9-24-76	.55 .98
02430126 Saucer Creek	Mackeys 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 miles (2.9 km) southwest of Moores Mill, Miss.	8.97	1972, 1974-75	8-23-76 9-25-76	2.01 3.01
02430150 Mackeys Creek tributary	Mackeys Creek	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 miles (3.7 km) southwest of Moores Mill, Miss.	.85	1972, 1974-75	8-23-76 9-25-76	.84 .94
02430200 Wright Branch	Little Brown Creek	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 miles (8.2 km) southeast of Marietta, Miss.	3.13	1972	9-24-76	1.57
02430300 Fret Branch	Wright 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 miles (6.8 km) southeast of Marietta, Miss.	1.75	1972	9-24-76	.22
02430600 Donivan Creek	Tombigbee River	Lat 34°24'54", long 88°26'26", in E¼ sec.3, T.8 S., R.8 E., Chickasaw meridian, Itawamba County, on county road, 3.7 miles (6.0 km) southeast of Kirkville, Miss.	36.0	-63 1972, 1974-75	8-23-76 9-25-76	.89 .83
02430690 Twentymile Creek	Tombigbee River	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 miles (7.4 km) north of Mantachie, Miss.	146	1962-63, 1965, 1972, 1974-75	8-23-76 9-25-76	2.79 2.16

Discharge measurements made in Tennessee-Tombigbee Study Area, Mississippi, during water year 1976

Stream	Tributary to	Location	Drainage area (sq mi)	Measured previously (water years)	Measurements	
					Date	Discharge (cfs)
Mobile River basin--Continued						
02431400 Mantachie Creek	Tombigbee River	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 mile (0.8 km) east of Dorsey, Miss.	61.8	1943, 1945-46, 1952-57, 1959-60, 1970, 1972, 1974-75	8-23-76 9-25-76	2.35 2.94
02431700 Reeds Creek	Tombigbee River	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 mile (0.8 km) southeast of Beans Ferry, Miss.	--	1975	8-23-76 9-25-76	2.94 7.00
02433300 Boguefala Creek	Tombigbee River	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 miles (4.3 km) south of Carolina, Miss.	55.7	1972, 1974-75	8-23-76 9-25-76	5.03 6.73
02433400 Boguefaba Creek	Boguefala 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 miles (3.4 km) south of Carolina, Miss.	21.5	1972, 1975	8-23-76 9-25-76	2.33 3.01
Tennessee River basin						
03592546 Rutledge Branch	Cripple Deer Creek	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 mile (1.4 km) south southwest of Midway, Miss.	1.05	1972, 1975	9-22-76	.31
03592550 Cripple Deer Creek	Bear 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 miles (6.8 km) north of Tishomingo, Miss.	11.1	1953-57, 1959-60, 1972, 1974-75	8-21-76 9-23-76	.28 .76
03592554 Trigger Branch	Cripple Deer Creek	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 miles (3.1 km) northeast of Tishomingo, Miss.	--	1974-75	8-21-76 9-22-76	.77 1.14
03592559 Little Cripple Deer Creek	Cripple Deer	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 miles (4.8 km) southwest of Iuka, Miss.	.60	1972, 1974	9-21-76	<.01
03592560 Cripple Deer Creek tributary	Cripple Deer Creek	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 miles (4.7 km) southwest of Iuka, Miss.	.82	1972, 1974	9-21-76	.03
03592561 Little Cripple Deer Creek tributary	Little Cripple Deer Creek	Lat 34°46'08", long 88°13'05", in S½ sec.35, T.3 S., R.10 E., Chickasaw meridian, Tishomingo County, on State Highway 25, 3.3 miles (5.3 km) southwest of Iuka, Miss.	.89	1972, 1974	9-21-76	.06
03592563 Little Cripple Deer Creek	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 miles (2.7 km) east of Midway, Miss.	7.17	1972, 1974-75	8-21-76 9-22-76	.02 .38
03592565 Moore Branch	Little Cripple Deer Creek	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 miles (2.6 km) east of Midway, Miss.	3.51	1972, 1974-75	8-21-76 9-22-76	.22 1.07
03592647 Yellow Creek	Tennessee River	Lat 34°43'35", long 88°20'28", in S½ sec.15, T.4 S., R.9 E., Chickasaw meridian, Prentiss County, on State Highway 364, 0.4 mile (0.6 km) east of Cairo, Miss.	7.69	1972, 1975	8-21-76 9-19-76	0 0
03592652 Clausel Creek	Yellow 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 mile (1.0 km) north northwest of Cairo, Miss.	2.59	1972, 1975	9-19-76	0

Discharge measurements made in Tennessee-Tombigbee Study Area, Mississippi, during water year 1976

Stream	Tributary to	Location	Drainage area (sq mi)	Measured previously (water years)	Measurements	
					Date	Discharge (cfs)
Tennessee River basin--Continued						
03592656 Clausel Creek tributary	Clausel Creek	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 mile (1.4 km) northwest of Cairo, Miss.	0.30	1972, 1974	8-21-76 9-19-76	^a 0 ^b <.01
03592663 Yellow Creek tributary	Yellow Creek	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 mile (0.6 km) north of Holcut, Miss.	.57	1972, 1974-75	8-21-76 9-22-76	.13 .13
03592668 Pigeon Roost Branch	Yellow Creek	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 miles (2.4 km) southwest of Holts Spur, Miss.	1.15	1972, 1975	9-19-76	0
03592670 Berea Creek	Yellow 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 miles (1.9 km) north of Holts Spur, Miss.	8.60	1972, 1974-75	9-19-76	<.01

a Measurements made by and in files of USGS.

b Estimated.

Water-quality partial-record stations are particular sites where chemical-quality, biological and or sediment data are collected systematically over a period of years for use in hydrologic analyses. The data are collected usually less than quarterly.

02429965 - RURGESS CREEK NR PADEN, MS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	CHEMICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L)	HARDNESS (CA, MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	TOTAL CALCIUM (CA) (MG/L)	
OCT 15...	1000	.59	46	5.8	17.5	48	4	18	14	0	3.1	
DATE	TIME	DIS-SOLVED CALCIUM (CA) (MG/L)	TOTAL MAGNESIUM (MG/L)	DIS-SOLVED MAGNESIUM (MG/L)	TOTAL SODIUM (NA) (MG/L)	DIS-SOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CAC03 (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)
OCT 15...	3.8	.2	1.0	3.0	1.8	17	0	14	43	5.3	1.8	
DATE	TIME	DIS-SOLVED SOLIDS (PFSI-DUE AT 180 C) (MG/L)	DIS-SOLVED SOLIDS (TONS PER AC-FT)	DIS-SOLVED SOLIDS (TONS PER DAY)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJEL-DAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)
OCT 15...	40	.05	.06	.01	.01	.02	.00	.24	.24	.26	1.2	
DATE	TIME	TOTAL PHOSPHORUS (P) (MG/L)	TOTAL PHOSPHORUS (PO4) (MG/L)	TOTAL IRON (FE) (UG/L)	DIS-SOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)	DIS-SOLVED MANGANESE (MN) (UG/L)	TOTAL MERCURY (HG) (UG/L)	DIS-SOLVED MERCURY (HG) (UG/L)	SUSPENDED SEDIMENT (MG/L)	SUSPENDED SEDIMENT DISCHARGE (T/DAY)
OCT 15...	.03	.09	1800	450	6	2	120	.1	.0	30	.05	

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

0242975 - BLACK BRANCH AT PADEN, MS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	TIME	INSTAN- TANEOUS DTS- CHARGE (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- CORALIT UNITS)	TUR- BID- ITY (JTU)	CHEM- ICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L)	HARD- NESS (CA, MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	TOTAL CAL- CIUM (CA) (MG/L)	
OCT 15...	1245	1.2	39	5.6	20.0	65	5	16	12	0	3.0	
DATE		DIS- SOLVED CAL- CIUM (CA) (MG/L)	TOTAL MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	TOTAL SOILUM (NA) (MG/L)	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	ALKA- LITY AS CACO3 (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)
OCT 15...	3.3	.2	1.0	1.5	1.1	20	0	16	80	2.4	1.5	
DATE		DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L)	DIS- SOLVED SOLIDS (TONS PER AC-FT)	DIS- SOLVED SOLIDS (TONS PER DAY)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJFL- DAHL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)
OCT 15...	21	.03	.07	.02	.01	.03	.01	.14	.19	.22	.97	
DATE		TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL PHOS- PHORUS (P+4) (MG/L)	TOTAL IRON (FE) (MG/L)	DIS- SOLVED IRON (FE) (MG/L)	TOTAL LEAD (PB) (MG/L)	DIS- SOLVED LEAD (PB) (MG/L)	DIS- SOLVED MAN- GANESE (MN) (MG/L)	TOTAL MERCURY (HG) (MG/L)	DIS- SOLVED MERCURY (HG) (MG/L)	SUS- PENDE MENT (MG/L)	SUS- PENDE SEDIM- ENT DIS- CHARGE (T/DAY)
OCT 15...	.01	.03	2400	910	7	0	240	.0	.0	9	.03	

Samples are collected at sites other than gaging stations and partial-record stations to give better areal coverage in a river basin. Such sites are referred to as miscellaneous sites.

02484000 - YOCKANOOKANY RIVER NR KOSCIUSKO, MS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	TIME	INSTAN- TANEOUS DIS- CHARGE (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	HARD- NESS (CA+MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM	
FEB 17...	0700	102	80	5.9	15.5	40	25	14	5.6	2.7	6.6	35	
DATE		SODIUM AD- SORP- TION RATIO	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	RICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	ALKA- LINITY AS CAC03 (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	DIS- SOLVED FLUO- RIDE (F) (MG/L)	DIS- SOLVED SILICA (SIO2) (MG/L)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L)	DIS- SOLVED SOLIDS (SUM OF CONSTI- TUENTS) (MG/L)	DIS- SOLVED IRON (FE) (UG/L)
FEB 17...	.6	1.1	13	0	11	11	6.2	.1	7.6	57	47	190	

NOTE.--Daily discharge records for water year 1976 are published on page 111 of this report.

ANALYSES OF SAMPLES COLLECTED DURING SHORT-TERM INTENSIVE STUDIES

PASCAGOULA AND ESCATAWPA RIVERS

An intensive study of the quality of water in the Pascagoula and Escatawpa Rivers was made in June 1976. Water samples were collected at selected sites on the East Pascagoula and Escatawpa Rivers in the tidal zone at low and high tides. Listed below are site locations and results of laboratory and field determinations made during the study.

302725088333700 - PASCAGOULA RIVER AT MI 10

024793427

WATER QUALITY DATA, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	TIME	DEPTH (FT)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)		
MAY								
25...	1215	1.0	68	7.1	22.0	6.0		
25...	1216	5.0	65	7.1	22.0	5.9		
25...	1217	10	58	7.1	22.0	5.9		
25...	1218	15	58	7.1	22.0	5.9		
25...	2000	1.0	62	--	23.0	6.2		
25...	2001	5.0	57	--	23.0	6.2		
25...	2002	10	56	--	23.0	6.2		
25...	2003	15	56	--	23.0	6.2		
DATE	TIME	RIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM (COL. PER 100 ML)	STREP- TOCOCCI (COL- ONIES PER 100 ML)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)
MAY								
25...	1214	1.9	831	869	16	.15	.01	.16
25...	1959	2.0	85	860	28	.15	.01	.16
DATE		TOTAL AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL DAHL- NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N03) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL ORTHO PHOS- PHORUS (P) (MG/L)
MAY								
25...		.01	.53	.54	.70	3.1	.04	.02
25...		.01	.43	.44	.60	2.7	.05	.02

302648098340600 - PASCAGOULA RIVER AT MI 9

024793428

WATER QUALITY DATA, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	TIME	DEPTH (FT)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
MAY						
25...	1200	1.0	132	7.0	22.0	6.2
25...	1201	5.0	162	7.0	22.0	6.2
25...	1202	10	220	7.2	22.0	6.2
25...	1203	15	220	6.5	22.0	6.2
25...	1950	1.0	180	--	23.0	6.1
25...	1951	5.0	250	--	23.0	6.1
25...	1952	10	328	--	23.0	6.1
25...	1953	15	318	--	23.0	6.1

PASCAGOULA AND ESCATAWPA RIVERS--CONTINUED

302648088340600 - PASCAGOULA RIVER AT MI 9

024793428

WATER QUALITY DATA, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	TIME	BIO-CHEMICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLIFORM (COL. PER 100 ML)	STREP-TOCOCCI (COLONIES PER 100 ML)	TOTAL NON-FILTERABLE RESIDUE (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)
MAY								
25...	1159	<3.0	86	844	65	.16	.01	.17
25...	1949	1.6	830	<10	23	.14	.01	.15

DATE	TOTAL AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJEL-DAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL NITROGEN (NO3) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	TOTAL ORTHO PHOSPHORUS (P) (MG/L)
MAY							
25...	.05	.62	.67	.84	3.7	.07	.02
25...	.00	.37	.37	.52	2.3	.04	.01

02479343 - PASCAGOULA RIVER AT MI 8 NR ESCATAWPA, MS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	TIME	DEPTH (FT)	SPECIFIC CONDUCTANCE (MICRO-MHOS)	PH (UNITS)	TEMPERATURE (DEG C)	DISSOLVED OXYGEN (MG/L)
MAY						
25...	1130	1.0	500	7.2	22.5	6.2
25...	1131	5.0	600	6.8	21.5	6.0
25...	1132	10	6200	6.7	21.5	5.2
25...	1133	15	12500	6.6	22.0	4.4
25...	1134	20	22200	6.5	22.0	4.2
25...	1135	25	34000	6.5	22.0	4.0
25...	1940	1.0	690	--	22.0	6.4
25...	1941	5.0	730	--	22.0	6.4
25...	1942	10	1020	--	22.0	6.4
25...	1943	15	5300	--	22.0	6.0
25...	1944	20	22000	--	22.0	3.5

DATE	TIME	BIO-CHEMICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLIFORM (COL. PER 100 ML)	STREP-TOCOCCI (COLONIES PER 100 ML)	TOTAL NON-FILTERABLE RESIDUE (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)
MAY								
25...	1129	1.1	<10	<10	40	.04	.02	.06
25...	1939	.8	85	86	46	.03	.01	.09

DATE	TOTAL AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJEL-DAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL NITROGEN (NO3) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	TOTAL ORTHO PHOSPHORUS (P) (MG/L)
MAY							
25...	.33	.16	.49	.55	2.4	.06	.06
25...	.24	.23	.47	.56	2.5	.05	.04

ANALYSES OF SAMPLES COLLECTED DURING SHORT-TERM INTENSIVE STUDIES

PASCAGOULA AND ESCATAWPA RIVERS--CONTINUED

30252608833600 - PASCAGOULA RIVER AT MI 7

024793431

WATER QUALITY DATA, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	TIME	DEPTH (FT)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
MAY						
25...	1115	1.0	1300	7.5	22.0	6.4
25...	1116	5.0	1400	7.5	22.0	6.2
25...	1117	10	11200	7.0	22.0	4.8
25...	1118	15	25000	6.8	22.0	3.7
25...	1930	1.0	1300	--	22.5	6.9
25...	1931	5.0	1600	--	22.5	7.1
25...	1932	10	2800	--	22.0	7.4
25...	1933	15	11500	--	22.0	8.6

DATE	TIME	RIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM (COL. PER 100 ML)	STREP- TOCOCCI (COL- ONIES PER 100 ML)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)
MAY								
25...	1114	1.4	825	850	43	.05	.01	.06
25...	1929	1.2	825	820	34	.12	.01	.13

DATE	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL ORTHO PHOS- PHORUS (P) (MG/L)
MAY							
25...	.20	.26	.46	.52	2.3	.06	.04
25...	.10	.22	.32	.45	2.0	.03	.02

302541088290100 - ESCATAWPA RIVER AT MI 7

024802053

WATER QUALITY DATA, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	TIME	DEPTH (FT)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
MAY						
25...	1415	1.0	25	6.0	22.0	5.7
25...	1416	5.0	25	6.0	22.0	5.7
25...	1417	10	25	6.0	22.0	5.7
25...	1418	15	25	6.0	22.0	5.7
25...	1419	20	25	6.0	22.0	5.7
25...	1420	25	25	6.0	22.0	5.7
25...	1421	30	25	6.0	22.0	5.7
25...	1422	35	25	6.0	22.0	5.7
25...	1423	40	29	6.0	22.0	5.7
25...	2245	1.0	25	--	22.0	5.8
25...	2246	5.0	25	--	22.0	5.8
25...	2247	10	25	--	22.0	5.8
25...	2248	15	25	--	22.0	5.8
25...	2249	20	25	--	22.0	5.8
25...	2250	25	25	--	22.0	5.8
25...	2251	30	25	--	22.0	5.7
25...	2252	35	25	--	22.0	5.7
25...	2253	40	25	--	22.0	5.7

PASCAGOULA AND ESCATAWPA RIVERS--CONTINUED

30254108290100 - ESCATAWPA RIVER AT MI 7

024802053

WATER QUALITY DATA, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	TIME	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM (COL. PER 100 ML)	STREP- TOCOCCI (COL- ONIES PER 100 ML)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)
MAY								
25...	1414	1.7	<10	838	8	.15	.01	.16
25...	2244	.9	835	880	45	.13	.01	.14

DATE	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL ORTHO PHOS- PHORUS (P) (MG/L)
MAY							
25...	.01	.33	.34	.50	2.2	.01	.00
25...	.01	.35	.36	.50	2.2	.01	.01

30251208292200 - ESCATAWPA RIVER AT MI 6

024802054

WATER QUALITY DATA, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	TIME	DEPTH (FT)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
MAY						
25...	1400	1.0	300	6.5	22.0	6.1
25...	1401	5.0	500	6.5	21.5	6.0
25...	1402	10	1200	6.5	21.5	6.0
25...	1403	15	1700	6.5	21.5	5.8
25...	2215	1.0	130	--	22.0	5.8
25...	2216	5.0	130	--	22.0	5.8
25...	2217	10	310	--	22.0	5.8
25...	2218	15	475	--	22.0	5.7
25...	2219	20	1270	--	22.0	5.5

DATE	TIME	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM (COL. PER 100 ML)	STREP- TOCOCCI (COL- ONIES PER 100 ML)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)
MAY								
25...	1359	.6	838	819	35	.08	.01	.09
25...	2214	.6	827	833	12	.13	.01	.14

DATE	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL ORTHO PHOS- PHORUS (P) (MG/L)
MAY							
25...	.20	.23	.43	.52	2.3	.02	.01
25...	.01	.33	.34	.48	2.1	.01	.01

PASCAGOULA AND ESCATAWPA RIVERS--CONTINUED

302515088301300 - ESCATAWPA RIVER AT MI 5

024802055

WATER QUALITY DATA, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	TIME	DEPTH (FT)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
MAY						
25...	1345	1.0	540	7.1	23.0	5.6
25...	1346	5.0	1000	7.3	22.0	5.4
25...	1347	10	1400	7.2	22.0	5.3
25...	1348	15	9000	6.8	22.0	4.4
25...	1349	20	23600	6.5	22.0	1.9
25...	2200	1.0	800	--	22.0	6.3
25...	2201	5.0	800	--	22.0	6.2
25...	2202	10	1000	--	22.0	6.2
25...	2203	15	1300	--	22.0	6.2
25...	2204	20	20500	--	22.0	.4

DATE	TIME	HIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM (COL. PER 100 ML)	STREP- TOCOCCI (COL- ONIES PER 100 ML)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)
MAY								
25...	1344	1.3	<10	<10	38	.07	.01	.08
25...	2159	.9	<10	833	16	.14	.01	.15

DATE	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL ORTHO PHOS- PHORUS (P) (MG/L)
MAY							
25...	.24	.26	.50	.58	2.6	.04	.03
25...	.05	.28	.33	.48	2.1	.01	.01

302528098304400 - ESCATAWPA RIVER AT MI 4

024802057

WATER QUALITY DATA, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	TIME	DEPTH (FT)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
MAY						
25...	1330	1.0	1200	7.1	22.0	5.8
25...	1331	5.0	1800	7.2	21.5	5.5
25...	1332	10	2600	6.9	21.5	5.4
25...	1333	15	20200	6.8	22.0	3.6
25...	1334	20	30100	6.7	22.0	1.9
25...	2145	1.0	1800	--	22.0	6.1
25...	2146	5.0	1900	--	22.0	6.1
25...	2147	10	2000	--	22.0	6.1
25...	2148	15	4400	--	22.0	5.2

PASCAGOULA AND ESCATAWPA RIVERS--CONTINUED

3025280AR304400 - ESCATAWPA RIVER AT MI 4

024R02057

WATER QUALITY DATA, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	TIME	BIO-CHEMICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLIFORM (COL. PER 100 ML)	STREP-TOCOCCI (COLONIES PER 100 ML)	TOTAL NON-FILTERABLE RESIDUE (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)
MAY								
25...	1329	1.0	B130	B81	19	.10	.01	.11
25...	2144	1.3	B20	B60	15	.13	.01	.14

DATE	TOTAL AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJEL-DAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL NITROGEN (NO3) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	TOTAL ORTHO PHOSPHORUS (P) (MG/L)
MAY							
25...	.11	.27	.38	.49	2.2	.01	.01
25...	.05	.35	.40	.54	2.4	.01	.01

3024550AR313100 - ESCATAWPA RIVER AT MI 3

024R02061

WATER QUALITY DATA, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	TIME	DEPTH (FT)	SPECIFIC CONDUCTANCE (MICRO-MHOS)	PH (UNITS)	TEMPERATURE (DEG C)	DISSOLVED OXYGEN (MG/L)
MAY						
25...	1315	1.0	3500	6.8	23.0	5.6
25...	1316	5.0	4000	6.9	21.5	5.0
25...	1317	10	5000	6.9	21.5	5.0
25...	1318	15	22600	6.5	22.0	2.9
25...	2120	1.0	3000	--	22.0	6.1
25...	2121	5.0	3100	--	22.0	6.0
25...	2122	10	3500	--	22.0	5.9
25...	2123	15	8300	--	22.0	4.5

DATE	TIME	BIO-CHEMICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLIFORM (COL. PER 100 ML)	STREP-TOCOCCI (COLONIES PER 100 ML)	TOTAL NON-FILTERABLE RESIDUE (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)
MAY								
25...	1314	1.0	B75	B25	37	.06	.02	.08
25...	2119	.9	B75	B100	30	.09	.01	.10

DATE	TOTAL AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJEL-DAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL NITROGEN (NO3) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	TOTAL ORTHO PHOSPHORUS (P) (MG/L)
MAY							
25...	.26	.23	.49	.57	2.5	.03	.03
25...	.24	.23	.47	.57	2.5	.03	.02

PASCAGOULA AND ESCATAWPA RIVERS--CONTINUED

30245908H320800 - ESCATAWPA RIVER AT MI 2

024802064

WATER QUALITY DATA, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	TIME	DEPTH (FT)	SPECIFIC CONDUCTANCE (MICRO- MHOS)	PH (UNITS)	TEMPERATURE (DEG C)	DISSOLVED OXYGEN (MG/L)
MAY						
25...	1300	1.0	3400	6.9	24.0	6.2
25...	1301	5.0	3400	7.0	22.0	5.4
25...	1302	10	6500	6.8	22.0	4.4
25...	1303	15	23800	6.5	22.0	3.3
25...	1304	20	33100	6.5	22.0	3.3
25...	2100	1.0	3700	--	23.0	6.2
25...	2101	5.0	3700	--	22.5	5.9
25...	2102	10	3900	--	22.5	6.0
25...	2103	15	6800	--	22.0	5.2
25...	2104	20	30500	--	22.0	1.7

DATE	TIME	BIOCHEMICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLIFORM (COL. PER 100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)	TOTAL NON-FILTRABLE RESIDUE (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)
MAY								
25...	1259	1.2	<10	819	49	.07	.01	.08
25...	2059	1.0	8110	895	35	.08	.02	.10

DATE	TOTAL AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL NITROGEN (NO3) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	TOTAL ORTHO PHOSPHORUS (P) (MG/L)
MAY							
25...	.19	.27	.46	.54	2.4	.04	.04
25...	.21	.31	.52	.62	2.7	.05	.02

02480207 - ESCATAWPA RIVER AT MOSS POINT, MS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	TIME	DEPTH (FT)	SPECIFIC CONDUCTANCE (MICRO- MHOS)	PH (UNITS)	TEMPERATURE (DEG C)	DISSOLVED OXYGEN (MG/L)
MAY						
25...	1245	1.0	4500	7.2	23.5	6.3
25...	1246	5.0	4200	7.4	23.0	6.0
25...	1247	10	5500	7.5	22.0	5.3
25...	1248	15	24500	7.1	22.0	4.5
25...	1249	20	29600	7.0	22.0	2.7
25...	1250	25	32800	6.9	22.0	1.8
25...	2030	1.0	3700	--	23.5	5.6
25...	2031	5.0	4400	--	23.0	5.9
25...	2032	10	5800	--	22.5	5.6
25...	2033	15	9500	--	22.0	4.6
25...	2034	20	28800	--	22.0	2.1
25...	2035	25	31200	--	22.0	1.7

PASCAGOULA AND ESCATAWPA RIVERS--CONTINUED

02480207 - ESCATAWPA RIVER AT MOSS POINT, MS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	TIME	BIO-CHEMICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLIFORM (COL. PER 100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)	TOTAL NON-FILTERABLE RESIDUE (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)
MAY								
25...	1244	.9	<10	<10	50	.04	.01	.05
25...	2029	1.2	815	820	44	.05	.01	.06

DATE	TOTAL AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJEL-DAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	TOTAL ORTHO PHOSPHORUS (P) (MG/L)
MAY							
25...	.35	.16	.51	.56	2.5	.06	.05
25...	.29	.22	.51	.57	2.5	.05	.04

02480208 - ESCATAWPA RIVER AT MI 0 NR ESCATAWPA, MS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	TIME	DEPTH (FT)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	DISSOLVED OXYGEN (MG/L)
MAY						
25...	1230	1.0	3200	7.6	23.0	6.7
25...	1231	5.0	4500	7.7	23.0	6.3
25...	1232	10	10500	7.9	22.0	4.6
25...	1233	15	26300	7.5	22.0	4.0
25...	1234	20	31600	7.3	22.0	3.5
25...	1235	25	32600	7.3	22.0	3.5
25...	1236	30	33200	7.2	22.0	3.4
25...	2015	1.0	3900	--	24.0	6.7
25...	2016	5.0	4000	--	24.0	6.8
25...	2017	10	4600	--	23.0	6.1
25...	2018	15	20000	--	23.0	5.4
25...	2019	20	27400	--	22.0	3.6
25...	2020	25	30900	--	22.0	3.0
25...	2021	30	33000	--	22.0	2.6

DATE	TIME	BIO-CHEMICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLIFORM (COL. PER 100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)	TOTAL NON-FILTERABLE RESIDUE (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)
MAY								
25...	1229	1.6	819	838	49	.04	.01	.05
25...	2014	1.4	810	850	56	.03	.02	.05

DATE	TOTAL AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJEL-DAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	TOTAL ORTHO PHOSPHORUS (P) (MG/L)
MAY							
25...	.24	.20	.44	.49	2.2	.07	.05
25...	.27	.25	.52	.57	2.5	.07	.05

ANALYSES OF SAMPLES COLLECTED DURING SHORT-TERM INTENSIVE STUDIES

PASCAGOULA AND ESCATAWPA RIVERS--CONTINUED

302507000342800 - PASCAGOULA RIVER AT MI 6

024802082

WATER QUALITY DATA, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	TIME	DEPTH (FT)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
MAY						
25...	1100	1.0	4400	7.6	22.0	6.6
25...	1101	5.0	11500	7.4	22.0	5.4
25...	1102	10	21000	7.2	22.0	3.5
25...	1915	1.0	2900	--	23.0	7.2
25...	1916	5.0	4200	--	23.0	7.2
25...	1917	10	12300	--	22.5	5.6

DATE	TIME	RIC- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM (COL. PER 100 ML)	STREP- TOCOCCI (COL- ONIES PER 100 ML)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)
MAY								
25...	1059	1.2	844	856	65	.05	.01	.06
25...	1914	1.4	840	855	30	.08	.01	.09

DATE	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N3) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL ORTHO PHOS- PHORUS (P) (MG/L)
MAY							
25...	.24	.15	.39	.45	2.0	.05	.05
25...	.18	.38	.56	.45	2.9	.04	.03

302430000350400 - PASCAGOULA RIVER AT MI 5

024802083

WATER QUALITY DATA, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	TIME	DEPTH (FT)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
MAY						
25...	1045	1.0	7800	7.4	22.5	6.2
25...	1046	5.0	11000	7.3	22.0	5.8
25...	1047	10	31200	7.2	22.0	4.2
25...	1048	15	36000	7.1	22.0	3.7
25...	1900	1.0	5200	--	23.0	6.8
25...	1901	5.0	6000	--	23.0	6.8
25...	1902	10	12500	--	22.5	7.0
25...	1903	15	28300	--	22.0	4.0

PASCAGOULA AND ESCATAWPA RIVERS--CONTINUED

302430044350400 - PASCAGOULA RIVER AT MI 5

024R02083

WATER QUALITY DATA, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	TIME	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM (COL. PER 100 ML)	STREP- TOCOCCI (COL- ONIES PER 100 ML)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)
MAY								
25...	1044	1.6	<10	844	111	.03	.01	.04
25...	1859	1.1	<10	855	40	.06	.01	.07

DATE	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL ORTHO- PHOS- PHORUS (P) (MG/L)
MAY							
25...	.27	.16	.43	.47	2.1	.07	.06
25...	.25	.25	.50	.57	2.5	.06	.04

302345044343800 - PASCAGOULA RIVER AT MI 4

024R02087

WATER QUALITY DATA, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	TIME	DEPTH (FT)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
MAY						
25...	1030	1.0	10600	7.5	22.5	6.7
25...	1031	5.0	14500	7.5	22.0	6.4
25...	1032	10	33200	7.4	22.0	4.5
25...	1033	15	37500	7.3	22.0	4.3
25...	1034	20	38000	7.3	22.0	4.1
25...	1845	1.0	4600	--	23.0	5.9
25...	1846	5.0	6200	--	23.0	5.8
25...	1847	10	11500	--	23.0	5.3
25...	1848	15	27400	--	22.5	5.0
25...	1849	20	30300	--	22.5	4.3

DATE	TIME	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM (COL. PER 100 ML)	STREP- TOCOCCI (COL- ONIES PER 100 ML)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)
MAY								
25...	1029	1.4	<10	875	79	.01	.02	.03
25...	1844	1.6	815	885	460	.03	.02	.05

DATE	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL ORTHO- PHOS- PHORUS (P) (MG/L)
MAY							
25...	.24	.20	.44	.47	2.1	.07	.06
25...	.21	.22	.43	.48	2.1	.05	.05

PASCAGOULA AND ESCATAWPA RIVERS--CONTINUED

302319039735400 - PASCAGOULA RIVER AT MI 3

024802091

WATER QUALITY DATA, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	TIME	DEPTH (FT)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
MAY						
25...	1015	1.0	13200	7.7	22.5	6.5
25...	1016	5.0	24500	7.5	22.5	6.5
25...	1017	10	30100	7.4	22.5	4.8
25...	1018	15	38200	7.4	22.5	4.2
25...	1019	20	38800	7.4	22.0	4.0
25...	1020	25	39200	7.4	22.0	3.7
25...	1021	30	39200	7.4	22.0	3.6
25...	1830	1.0	7400	--	23.5	8.6
25...	1831	5.0	7800	--	24.0	7.2
25...	1832	10	10700	--	24.0	7.1
25...	1833	15	25300	--	22.5	4.6
25...	1834	20	33600	--	22.5	3.9
25...	1835	25	36200	--	22.5	3.9
25...	1836	30	37200	--	22.5	3.8

DATE	TIME	PIC- CHLOR- PHEN- OL (MG/L)	FECAL COLI- FORM (COL. PER 100 ML)	STREP- TOCOCOCCI (COL- ONIES PER 100 ML)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRATE PLUS NITRITE (N) (MG/L)
MAY								
25...	1014	1.2	85	1120	54	.01	.02	.03
25...	1829	1.5	<10	867	94	.02	.02	.04

DATE	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL- NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N03) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL ORTHO PHOS- PHORUS (P) (MG/L)
MAY							
25...	.22	.17	.39	.42	1.9	.08	.05
25...	.20	.21	.41	.45	2.0	.07	.05

02480210 - PASCAGOULA RIVER AT HWY 90 AT PASCAGOULA, MISS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	TIME	DEPTH (FT)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
MAY						
25...	1000	1.0	14100	7.5	22.5	7.0
25...	1001	5.0	29200	7.5	22.5	6.0
25...	1002	10	32500	7.3	22.5	5.2
25...	1003	15	34600	7.3	22.5	4.5
25...	1815	1.0	10400	--	24.0	7.1
25...	1816	5.0	11800	--	24.5	7.1
25...	1817	10	14600	--	24.5	6.8
25...	1818	15	26000	--	23.0	4.4

PASCAGOULA AND ESCATAWPA RIVERS--CONTINUED

02480210 - PASCAGOULA RIVER AT HWY 90 AT PASCAGOULA, MISS. DIS:

WATER QUALITY DATA, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	TIME	BIO-CHEMICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLIFORM (COL. PER 100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)	TOTAL NON-FILTERABLE RESIDUE (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)
MAY								
25...	0959	1.7	<10	<10	69	.01	.01	.02
25...	1814	2.1	410	860	61	.05	.01	.06

DATE	TOTAL AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (NO3) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	TOTAL ORTHO PHOSPHORUS (P) (MG/L)
MAY							
25...	.21	.12	.33	.35	1.6	.08	.08
25...	.15	.53	.68	.74	3.3	.06	.04

02480212 - PASCAGOULA RIVER AT MI 1 AT PASCAGOULA, MS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	TIME	DEPTH (FT)	SPECIFIC CONDUCTANCE (MICRO-MHOS)	PH (UNITS)	TEMPERATURE (DEG C)	DISSOLVED OXYGEN (MG/L)
MAY						
25...	0900	1.0	25500	8.0	22.5	8.6
25...	0901	5.0	34000	8.0	22.5	5.1
25...	0902	10	36000	8.0	22.5	4.5
25...	0903	15	37600	8.0	22.5	4.5
25...	0904	20	38800	8.0	22.0	4.1
25...	0905	25	39500	7.8	22.0	3.6
25...	0906	30	40000	7.7	22.0	3.0
25...	0907	35	41000	7.6	22.0	2.9
25...	0908	40	41500	7.4	22.0	1.7
25...	1800	1.0	12500	8.0	23.5	6.7
25...	1801	5.0	15000	8.0	23.5	6.7
25...	1802	10	17500	8.0	23.0	6.3
25...	1803	15	35000	7.9	22.5	4.9
25...	1804	20	37300	7.8	22.5	4.5
25...	1805	25	38000	7.8	22.5	4.0
25...	1806	30	39600	7.8	22.0	3.6
25...	1807	35	40900	7.7	22.0	2.8
25...	1808	40	41300	7.8	22.0	2.2

DATE	TIME	BIO-CHEMICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLIFORM (COL. PER 100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)	TOTAL NON-FILTERABLE RESIDUE (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)
MAY								
25...	0859	1.6	<10	8110	82	.02	.02	.04
25...	1759	1.6	<10	8150	134	.02	.02	.04

DATE	TOTAL AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (NO3) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	TOTAL ORTHO PHOSPHORUS (P) (MG/L)
MAY							
25...	.18	.23	.41	.45	2.0	.08	.04
25...	.37	.22	.59	.63	2.8	.11	.09

PASCAGOULA AND ESCATAWPA RIVERS--CONTINUED

02480215 - PASCAGOULA RIVER AT MI 0 AT PASCAGOULA, MS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	TIME	DEPTH (FT)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
MAY						
25...	0930	1.0	23500	7.7	22.5	8.5
25...	0931	5.0	27500	7.6	22.5	6.6
25...	0932	10	27500	7.6	22.5	5.0
25...	0933	15	35500	7.5	22.0	4.4
25...	0934	20	38200	7.5	22.0	4.6
25...	0935	25	40200	7.3	22.0	4.5
25...	0936	30	41100	7.2	22.0	4.4
25...	0937	35	41500	6.9	22.0	3.9
25...	0938	40	41800	6.9	22.0	3.2
25...	0939	45	42100	6.9	22.0	1.8
25...	1730	1.0	15600	8.0	23.5	6.3
25...	1731	5.0	17000	8.0	22.5	5.9
25...	1732	10	21900	8.0	22.5	5.0
25...	1733	15	33800	7.9	22.5	4.5
25...	1734	20	36500	7.9	22.5	4.1
25...	1735	25	37900	7.9	22.5	4.1
25...	1736	30	39200	7.8	22.5	3.7
25...	1737	35	39600	7.8	22.5	3.6
25...	1738	40	40000	7.7	22.5	3.3
25...	1739	45	40600	7.7	22.0	2.5
25...	1740	50	40900	7.5	22.0	2.0

DATE	TIME	RIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM (COL. PER 100 ML)	STREP- TOCUCCI (COL- ONIES PER 100 ML)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)
MAY								
25...	0929	1.8	<10	890	90	.01	.03	.04
25...	1729	1.8	<10	890	73	.01	.02	.03

DATE	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL ORTHO- PHOS- PHORUS (P) (MG/L)
MAY							
25...	.32	.24	.56	.60	2.7	.09	.07
25...	.15	.15	.30	.33	1.5	.07	.05

FLAT BRANCH

An intensive study of the quality of water in Flat Branch near Gulfport, Mississippi was made April 19-23, 1976. Water samples were collected at 4 sites on Flat Branch and its tributaries north of Gulfport. Listed below are site locations and field and laboratory water quality determinations made during the study.

02481203 - FLAT BRANCH TRIBUTARY NEAR LYMAN, MS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	TIME	INSTANTANEOUS DIS- CHARGE (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM (COL. PER 100 ML)	STREP- TOCOCCI (COL- ONIES PER 100 ML)
APR									
21...	0720	.40	56	5.5	20.0	6.8	1.5	820	880
21...	0950	.40	56	5.7	21.0	7.4	--	--	--
21...	1250	.40	57	6.1	26.0	8.3	2.5	<10	810
21...	1530	.38	54	6.1	27.5	8.2	--	--	--
21...	1825	.38	55	6.2	25.0	8.0	1.7	200	831
21...	2145	.38	57	6.4	21.5	7.3	--	--	--
22...	0015	.38	54	5.8	20.0	6.8	1.7	812	825
22...	0330	.38	55	5.8	18.0	6.3	--	--	--
22...	0700	.38	57	5.7	17.0	7.1	1.7	<10	869

DATE	TIME	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL ORTHO PHOS- PHORUS (P) (MG/L)
APP											
21...	0720	.00	.00	.00	.00	.36	.36	.36	1.6	.01	.01
21...	1250	.00	.01	.01	.00	.57	.57	.58	2.6	.01	.01
21...	1825	.02	.01	.03	.00	.33	.33	.36	1.6	.01	.01
22...	0015	.01	.00	.01	.01	.45	.46	.47	2.1	.01	.00
22...	0700	.00	.00	.00	.00	.34	.34	.34	1.5	.01	.01

02481204 - FLAT BRANCH NEAR NUGENT, MS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	TIME	INSTANTANEOUS DIS- CHARGE (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM (COL. PER 100 ML)	STREP- TOCOCCI (COL- ONIES PER 100 ML)
APR									
19...	1740	2.1	230	6.7	26.0	6.4	--	--	--
19...	1800	2.1	223	--	26.0	--	--	--	--
19...	1900	2.1	236	--	25.5	--	--	--	--
19...	2000	2.1	244	--	24.5	--	--	--	--
19...	2100	2.1	246	--	23.0	3.7	--	--	--
19...	2200	2.1	246	--	22.0	3.7	--	--	--
19...	2300	2.1	243	--	21.5	3.8	--	--	--
19...	2400	2.1	242	--	21.0	3.8	--	--	--
20...	0100	2.1	242	--	20.5	3.9	--	--	--
20...	0200	2.1	242	--	20.0	4.1	--	--	--
20...	0300	2.1	242	--	19.5	4.2	--	--	--
20...	0400	2.1	243	--	19.0	4.5	--	--	--
20...	0500	2.1	244	--	19.0	4.9	--	--	--
20...	0600	2.1	260	6.3	18.0	6.0	10	812000	3200
20...	0700	2.1	241	--	19.0	8.0	--	--	--
20...	0800	2.1	235	--	20.0	10.5	--	--	--
20...	0900	2.1	240	6.9	21.5	12.7	--	--	--
20...	1000	2.0	221	--	23.5	13.5	--	--	--
20...	1100	2.0	212	--	24.5	14.2	--	--	--
20...	1145	1.9	200	8.6	27.0	14.6	10	8300	81800
20...	1200	1.9	204	--	27.0	14.6	--	--	--
20...	1300	1.9	200	--	29.5	14.5	--	--	--
20...	1400	1.9	200	--	31.0	14.0	--	--	--
20...	1445	1.9	200	7.4	30.0	13.0	--	--	--
20...	1500	1.9	202	--	30.5	12.8	--	--	--
20...	1600	1.9	203	--	29.0	11.0	--	--	--
20...	1700	1.9	210	--	28.0	9.5	--	--	--
20...	1745	1.9	220	8.1	26.5	7.9	11	8150000	7600

FLAT BRANCH--CONTINUED

024R1204 - FLAT BRANCH NEAR NUGENT, MS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	TIME	INSTANTANEOUS DIS- CHARGE (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM (COL. PER 100 ML)	STREP- TOCOCCI (COL- ONIES PER 100 ML)
APR									
20...	1900	1.9	220	--	27.0	7.0	--	--	--
20...	1900	2.0	228	--	25.5	5.1	--	--	--
20...	2000	2.1	235	--	24.5	4.4	--	--	--
20...	2045	2.2	260	6.8	23.0	4.2	--	--	--
20...	2100	2.2	238	--	23.5	4.2	--	--	--
20...	2200	2.2	240	--	23.0	4.2	--	--	--
20...	2300	2.1	226	--	22.5	4.2	--	--	--
20...	2345	2.1	240	6.5	21.5	4.2	9.1	8130000	812000
20...	2400	2.1	221	--	22.0	4.2	--	--	--
21...	0100	2.1	230	--	22.0	4.2	--	--	--
21...	0200	2.1	233	--	21.5	4.3	--	--	--
21...	0250	2.1	245	6.6	21.0	2.8	--	--	--
21...	0300	2.1	238	--	21.5	4.4	--	--	--
21...	0400	2.1	239	--	21.0	4.7	--	--	--
21...	0500	2.1	237	--	21.0	4.8	--	--	--
21...	0600	2.1	236	--	21.0	5.6	--	--	--
21...	0610	2.1	245	6.6	20.5	5.6	7.5	41000	4100
21...	0700	2.0	235	--	21.0	7.0	--	--	--
21...	0800	1.9	231	--	21.5	9.2	--	--	--
21...	0900	1.8	225	--	22.0	9.7	--	--	--
21...	0910	1.8	240	7.2	22.0	9.7	--	--	--
21...	1000	1.8	212	--	23.5	11.0	--	--	--
21...	1100	1.9	207	--	25.5	12.0	--	--	--
21...	1200	1.9	210	8.3	27.0	12.6	12	77000	81400
21...	1300	1.9	202	--	27.5	12.6	--	--	--
21...	1400	1.8	198	--	28.5	12.6	--	--	--
21...	1500	1.8	200	8.8	29.5	12.4	--	--	--
21...	1600	1.9	203	--	27.5	10.5	--	--	--
21...	1700	2.0	208	--	26.5	8.3	--	--	--
21...	1800	2.1	220	7.7	26.0	7.1	9.7	8300000	1500
21...	1900	2.1	221	--	25.0	6.4	--	--	--
21...	2000	2.0	226	--	24.0	5.7	--	--	--
21...	2100	1.9	230	6.7	22.0	4.7	--	--	--
21...	2200	1.9	230	--	21.5	4.9	--	--	--
21...	2300	1.9	228	--	20.5	5.0	--	--	--
21...	2330	1.9	230	7.0	20.0	5.2	7.8	69000	815000
21...	2400	1.9	228	--	20.0	5.1	--	--	--
22...	0100	2.0	228	--	19.0	5.3	--	--	--
22...	0200	2.1	228	--	18.5	5.6	--	--	--
22...	0300	2.1	240	6.4	18.0	6.0	--	--	--
22...	0400	2.0	231	--	18.0	6.3	--	--	--
22...	0500	1.9	232	--	17.5	6.6	--	--	--
22...	0600	1.8	245	6.6	17.0	6.9	9.7	49000	6600
22...	0700	1.8	230	--	18.0	8.0	--	--	--
22...	0800	1.7	225	--	19.5	9.5	--	--	--
22...	0900	1.7	240	7.2	21.0	10.7	--	--	--
22...	1000	1.7	216	--	25.0	11.2	--	--	--
22...	1100	1.7	210	--	28.0	11.8	--	--	--
22...	1200	1.7	200	8.4	29.5	12.2	11	32000	85000
22...	1300	1.7	202	--	32.0	12.0	--	--	--
22...	1400	1.6	200	--	32.5	11.4	--	--	--
22...	1500	1.6	200	8.9	31.0	10.6	--	--	--
22...	1600	1.6	204	--	29.5	10.0	--	--	--
22...	1700	1.6	211	--	27.5	9.5	--	--	--
22...	1800	1.6	210	8.0	27.0	9.2	8.3	8200000	1300
22...	1900	1.7	230	--	25.5	7.5	--	--	--
22...	2000	1.8	237	--	24.5	6.1	--	--	--
22...	2100	1.8	240	6.9	23.0	4.6	--	--	--
22...	2200	1.8	244	--	22.5	4.5	--	--	--
22...	2300	1.8	250	6.9	21.0	4.4	7.0	892000	8600
22...	2400	1.8	237	--	20.5	4.4	--	--	--
23...	0100	--	237	--	19.5	--	--	--	--
23...	0200	--	237	--	19.0	--	--	--	--
23...	0300	--	238	--	18.5	--	--	--	--
23...	0400	--	240	--	18.5	--	--	--	--
23...	0500	--	240	--	18.0	--	--	--	--
23...	0600	--	240	--	18.0	--	--	--	--
23...	0700	--	237	--	18.5	--	--	--	--
23...	0800	--	234	--	20.0	--	--	--	--
23...	0900	--	229	--	22.5	--	--	--	--
23...	1000	--	225	--	25.5	--	--	--	--

FLAT BRANCH--CONTINUED

02481204 - FLAT BRANCH NEAR NUGENT, MS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	TIME	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL ORTHO PHOS- PHORUS (P) (MG/L)
APR											
20...	0600	1.3	.75	2.0	2.1	1.6	3.7	5.7	25	3.1	2.7
20...	1145	1.1	.73	1.8	.78	1.6	2.4	4.2	19	2.7	2.5
20...	1745	1.3	.90	2.2	.76	1.5	2.3	4.5	20	2.9	2.7
20...	2345	1.0	.97	2.0	1.5	1.7	3.2	5.2	23	2.9	2.6
21...	0610	1.5	1.3	2.8	1.3	1.9	3.2	6.0	27	3.1	2.7
21...	1200	1.2	.81	2.0	.62	2.0	2.6	4.6	20	2.8	2.5
21...	1800	1.4	.86	2.3	.52	1.9	2.4	4.7	21	2.9	2.6
21...	2330	1.9	1.6	3.5	.37	2.4	2.8	6.3	28	3.0	2.7
22...	0600	2.2	1.3	3.5	.23	2.5	2.7	6.2	27	3.1	2.7
22...	1200	1.5	.67	2.2	.42	1.7	2.1	4.3	19	2.9	2.5
22...	1800	1.6	.54	2.1	.40	1.6	2.0	4.1	18	2.8	2.5
22...	2300	2.2	.87	3.1	.46	2.4	2.9	6.0	27	3.4	3.0

02481205 - FLAT BRANCH TRIB NO. 1 AT NUGENT, MS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	TIME	INSTAN- TANEOUS DIS- CHARGE (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM (COL. PER 100 ML)	STREP- TOCOCCI (COL- ONIES PER 100 ML)
APR									
21...	0700	.04	70	6.0	22.0	3.5	2.8	1000	880
21...	0940	.04	75	6.2	22.0	4.1	--	--	--
21...	1240	.04	72	6.3	24.0	6.0	3.4	81900	840
21...	1520	.04	70	6.7	26.0	8.5	--	--	--
21...	1810	.03	67	6.8	26.0	10.0	2.8	82300	8130
21...	2130	.03	68	6.6	24.0	7.7	--	--	--
21...	2345	.04	67	6.7	22.5	6.0	3.1	640	820
22...	0320	.03	68	6.8	21.0	5.2	--	--	--
22...	0645	.03	60	6.1	19.0	4.2	3.0	510	844

DATE	TIME	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL ORTHO PHOS- PHORUS (P) (MG/L)
APR											
21...	0700	.01	.00	.01	.03	.79	.82	.83	3.7	.08	.01
21...	1240	.00	.01	.01	.01	.66	.67	.68	3.0	.06	.01
21...	1810	.00	.01	.01	.01	.60	.61	.62	2.7	.05	.01
21...	2345	.00	.01	.00	.02	.64	.66	.66	2.9	.05	.01
22...	0645	.02	.01	.03	.03	.85	.88	.91	4.0	.04	.02

FLAT BRANCH--CONTINUED

02481206 - FLAT BRANCH TRIB NO. 1 AT LONDON, MS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	TIME	INSTANTANEOUS DIS- CHARGE (CFS)	SPECIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM (COL. PER 100 ML)	STREP- TOCOCCI (COL- ONIES PER 100 ML)
APR									
21...	0630	.25	92	6.4	20.0	7.2	2.2	8130	420
21...	0930	.27	100	6.6	21.0	7.9	--	--	--
21...	1215	.25	100	6.5	23.0	8.0	2.5	390	8140
21...	1510	.25	100	6.7	23.5	7.6	--	--	--
21...	1745	.23	105	6.8	23.0	6.9	3.1	240	869
21...	2050	.25	108	6.8	20.5	6.5	--	--	--
21...	2315	.25	102	6.7	19.0	7.0	2.1	8330	210
22...	0310	.25	100	6.6	17.5	7.3	--	--	--
22...	0630	.23	94	6.6	16.0	8.0	2.9	600	360

DATE	TIME	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL ORTHO PHOS- PHORUS (P) (MG/L)
APR											
21...	0630	.01	.00	.01	.02	.52	.54	.55	2.4	.04	.02
21...	1215	.01	.00	.01	.00	.44	.44	.45	2.0	.03	.02
21...	1745	.05	.00	.05	.02	.70	.72	.77	3.4	.05	.02
21...	2315	.01	.00	.01	.04	.47	.51	.52	2.3	.04	.01
22...	0630	.03	.00	.03	.03	.46	.49	.52	2.3	.03	.02

BAYOU PORTAGE AND JOHNSON BAYOU

An intensive study of the quality of water in Bayou Portage and Johnson Bayou near Long Beach, Mississippi was made October 21-24, 1975. Water samples were collected at low and high tides at 3 sites in the tidal zone and at 6 sites outside the tidal zone at approximately 6-hour intervals. Listed below are site locations and field and laboratory water quality determinations made during the study.

02481307 - CANAL NO. 2 NR LONG BEACH, MS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	SPECIFIC CONDUCTANCE (MICRO-MHOS)	PH (UNITS)	TEMPERATURE (DEG C)	DISSOLVED OXYGEN (MG/L)	BIO-CHEMICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLIFORM (COL. PER 100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)
OCT									
22...	0715	1.0	170	6.2	17.4	7.4	--	--	--
22...	1130	1.0	155	6.1	19.2	7.5	--	--	--
22...	1345	.97	165	6.2	20.8	8.8	3.3	<10	<10
22...	1630	.97	165	6.3	22.0	8.4	--	--	--
22...	1830	1.0	185	6.4	22.5	7.9	1.9	<10	814
22...	2150	1.1	200	6.4	21.0	7.1	--	--	--
23...	0140	1.1	130	6.3	20.0	6.8	1.2	<10	814
23...	0410	1.1	140	6.3	20.0	6.5	--	--	--
23...	0625	1.1	135	6.1	19.0	6.4	.6	87	<10

DATE	TIME	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	TOTAL ORTHO PHOSPHORUS (P) (MG/L)
OCT											
22...	1345	.23	.04	.27	3.3	1.2	4.5	4.8	21	1.3	1.2
22...	1830	.05	.01	.06	4.0	1.2	5.2	5.3	23	1.7	1.6
23...	0140	.03	.01	.04	2.1	.70	2.8	2.8	13	.93	.88
23...	0625	.07	.01	.08	2.0	.70	2.7	2.8	12	.92	.88

02481309 - CANAL NO. 3 NR LONG BEACH, MS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	SPECIFIC CONDUCTANCE (MICRO-MHOS)	PH (UNITS)	TEMPERATURE (DEG C)	DISSOLVED OXYGEN (MG/L)	BIO-CHEMICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLIFORM (COL. PER 100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)
OCT									
22...	0620	3.3	120	6.0	16.0	6.3	--	--	--
22...	0930	3.2	140	6.1	16.0	6.3	--	--	--
22...	1315	3.2	120	6.1	18.2	7.8	3.7	871	340
22...	1600	3.2	110	6.1	19.5	7.6	--	--	--
22...	1800	3.1	110	6.1	19.8	7.0	3.6	836	750
22...	2120	3.0	125	6.1	19.0	6.3	--	--	--
23...	0045	3.1	125	6.1	19.0	6.2	3.7	8100	430
23...	0335	3.1	120	6.2	19.0	6.1	--	--	--
23...	0540	3.1	130	6.1	18.0	5.8	3.7	879	720

DATE	TIME	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	TOTAL ORTHO PHOSPHORUS (P) (MG/L)
OCT											
22...	1315	.46	.06	.52	.83	.77	1.6	2.1	9.4	.46	.42
22...	1800	.48	.05	.53	.51	.79	1.3	1.8	8.1	.36	.31
23...	0045	.66	.08	.74	.93	.67	1.6	2.3	10	.53	.50
23...	0540	.57	.08	.65	1.1	.60	1.7	2.4	10	.58	.55

BAYOU PORTAGE AND JOHNSON BAYOU--CONTINUED

02481310 - BAYOU PORTAGE AT CUEVAS, MS

WATER QUALITY DATA, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM (COL. PER 100 ML)	STREP- TOCOCCI (COL- ONIES PER 100 ML)
OCT								
22...	0945	130	5.9	17.2	6.3	2.5	829	720
22...	2300	715	6.1	19.0	5.3	3.1	871	960

DATE	TIME	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N03) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL ORTHO PHOS- PHORUS (P) (MG/L)
OCT											
22...	0945	.55	.05	.60	.54	.66	1.2	1.8	8.0	.37	.34
22...	2300	.44	.03	.47	.38	.51	.89	1.4	6.0	.31	.26

302122049140800 - BAYOU PORTAGE AT MI 2.66

024813122

WATER QUALITY DATA, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM (COL. PER 100 ML)	STREP- TOCOCCI (COL- ONIES PER 100 ML)
OCT								
21...	1830	3000	--	--	--	--	--	--
21...	2100	3600	--	22.0	--	--	--	--
22...	1000	3700	6.3	18.5	5.1	3.6	879	8190
22...	2330	5500	6.1	18.0	5.3	2.9	821	480

DATE	TIME	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N03) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL ORTHO PHOS- PHORUS (P) (MG/L)
OCT											
22...	1000	.15	.01	.16	.28	.65	.93	1.1	4.8	.17	.10
22...	2330	.11	.01	.12	.11	.67	.78	.90	4.0	.11	.06

02481316 - CANAL NO. 1 NR GULFPORT, MS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	TIME	INSTAN- TANEOUS DIS- CHARGE (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM (COL. PER 100 ML)	STREP- TOCOCCI (COL- ONIES PER 100 ML)
OCT									
22...	0745	.23	120	5.4	14.0	1.8	--	--	--
22...	1150	.23	120	5.2	16.0	2.0	--	--	--
22...	1430	.23	115	5.3	17.0	2.4	3.1	836	400
22...	1650	.23	110	5.2	17.0	2.3	--	--	--
22...	1900	.23	120	5.4	16.5	1.9	4.1	8120	8230
22...	2200	.23	115	5.2	16.0	2.2	--	--	--
23...	0230	.23	120	5.2	16.0	1.5	3.2	<10	8290
23...	0440	.23	120	5.4	16.0	1.3	--	--	--
23...	0710	.23	115	5.3	16.0	1.5	2.4	871	879

BAYOU PORTAGE AND JOHNSON BAYOU--CONTINUED

02481316 - CANAL NO. 1 NR GULFPORT, MS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	TIME	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N03) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL ORTHO PHOS- PHORUS (P) (MG/L)
OCT											
22...	1430	.00	.01	.01	.17	.66	.83	.84	3.7	.13	.03
22...	1900	.01	.00	.01	.18	1.2	1.4	1.4	6.2	.42	.05
23...	0230	.00	.01	.01	.22	1.3	1.5	1.5	6.7	.62	.07
23...	0710	.01	.00	.01	.19	1.7	1.9	1.9	8.5	.54	.06

02481317 - CANAL NO. 1 NR LONG BEACH, MS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	TIME	INSTAN- TANEOUS DIS- CHARGE (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM (COL. PER 100 ML)	STREP- TOCOCCI (COL- ONIES PER 100 ML)
OCT									
22...	0730	1.8	400	6.6	17.4	1.3	--	--	--
22...	1145	1.9	350	6.5	19.2	1.8	--	--	--
22...	1400	2.0	360	6.3	21.8	2.6	7.2	B150	500
22...	1645	2.0	350	6.4	22.5	1.8	--	--	--
22...	1945	1.9	360	6.4	22.0	1.3	6.8	300	640
22...	2215	1.9	380	6.4	21.5	1.5	--	--	--
23...	0205	1.9	400	6.4	20.5	1.0	7.4	B110	340
23...	0420	1.9	400	6.4	20.0	1.0	--	--	--
23...	0640	1.9	400	6.4	19.0	1.0	7.6	B160	490

DATE	TIME	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N03) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL ORTHO PHOS- PHORUS (P) (MG/L)
OCT											
22...	1400	1.5	.36	1.9	3.8	1.4	5.2	7.1	31	3.3	3.4
22...	1845	2.7	.33	3.0	4.3	1.8	6.1	9.1	40	3.3	3.4
23...	0205	2.8	.30	3.1	5.8	2.0	7.8	11	48	3.8	3.9
23...	0640	1.2	.28	1.5	5.6	1.7	7.3	8.8	39	3.9	4.0

02481318 - CANAL NO. 1 NR CUEVAS, MS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	TIME	INSTAN- TANEOUS DIS- CHARGE (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM (COL. PER 100 ML)	STREP- TOCOCCI (COL- ONIES PER 100 ML)
OCT									
22...	0650	4.5	295	6.3	16.2	2.2	--	--	--
22...	1100	4.4	300	6.3	18.2	2.9	--	--	--
22...	1330	4.2	290	6.3	21.0	4.6	5.4	210	520
22...	1615	4.4	290	6.3	23.0	5.9	--	--	--
22...	1815	4.4	290	6.3	22.5	5.7	6.6	870	690
22...	2130	4.4	300	6.4	21.0	4.9	--	--	--
23...	0115	4.4	295	6.3	19.0	4.3	5.7	310	720
23...	0350	4.4	295	6.3	18.5	3.3	--	--	--
23...	0555	4.4	300	6.3	18.5	2.3	5.5	220	540

BAYOU PORTAGE AND JOHNSON BAYOU--CONTINUED

02481318 - CANAL NO. 1 NR CUEVAS, MS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	TIME	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL ORTHO PHOS- PHORUS (P) (MG/L)
OCT											
22...	1330	1.2	.09	1.3	3.2	1.3	4.5	5.8	26	2.1	2.2
22...	1815	1.7	.17	1.9	3.2	1.3	4.5	6.4	28	2.2	2.1
23...	0115	.60	.09	.69	3.2	1.3	4.5	5.2	23	2.4	2.4
23...	0555	1.1	.12	1.2	2.8	1.3	4.1	5.3	23	2.3	2.4

02481319 - CANAL NO. 1 NR PASS CHRISTIAN, MS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	TIME	INSTAN- TANEOUS DIS- CHARGE (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM (COL. PER 100 ML)	STREP- TOCOCCI (COL- ONIES PER 100 ML)
OCT									
22...	0600	4.4	280	6.3	16.0	5.9	--	--	--
22...	0900	4.3	260	6.4	16.0	6.2	--	--	--
22...	1300	4.0	250	6.4	20.0	7.5	4.2	B120	410
22...	1550	3.9	240	6.6	21.5	6.6	--	--	--
22...	1745	3.9	260	6.3	21.2	6.0	4.7	B93	750
22...	2100	4.1	260	6.4	21.0	5.9	--	--	--
23...	0015	4.0	280	6.4	20.0	5.8	6.1	B240	900
23...	0320	4.0	270	6.4	20.0	5.4	--	--	--
23...	0515	4.0	260	6.4	18.0	4.3	6.6	220	670

DATE	TIME	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL ORTHO PHOS- PHORUS (P) (MG/L)
OCT											
22...	1300	1.2	.11	1.3	2.0	1.4	3.4	4.7	21	1.9	1.8
22...	1745	1.4	.12	1.5	2.2	1.0	3.2	4.7	21	1.8	1.8
23...	0015	1.5	.18	1.7	2.2	1.3	3.5	5.2	23	1.8	1.9
23...	0515	.75	.08	.83	2.4	1.0	3.4	4.2	19	1.9	2.0

02481320 - JOHNSON BAYOU AT MENGE AVE NR PASS CHRISTIAN, MS

WATER QUALITY DATA, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM (COL. PER 100 ML)	STREP- TOCOCCI (COL- ONIES PER 100 ML)
OCT								
22...	1030	240	6.5	16.5	5.8	4.1	B64	B160
22...	2230	240	6.1	20.0	5.2	4.8	B86	370

DATE	TIME	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL ORTHO PHOS- PHORUS (P) (MG/L)
OCT											
22...	1030	1.1	.08	1.2	1.4	1.0	2.4	3.6	16	1.8	1.7
22...	2230	2.3	.13	2.4	.65	1.3	1.9	4.3	19	1.8	1.7

WOLF RIVER

An intensive study of the quality of water in the Wolf River tidal zone was made July 19-23, 1976. Water samples were collected at 8 sites on the Wolf River from its mouth at mile 0 upstream to mile 7. During the study the Wolf River had a fresh water discharge of 145 ft³/s at the I-10 bridge crossing. Listed below are site locations and field and laboratory water quality determinations made during the study.

302324089122800 - WOLF RIVER AT MI 7

024815212

WATER QUALITY DATA, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

		SPE- CIFIC CON- DUCT- ANCE (MICRO- MHUS)												PH	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)						
DATE		TIME	DEPTH (FT)													(UNITS)						
JUL																						
20...		0925	1.0	25												5.7	28.5	6.2				
20...		0926	5.0	25												5.7	28.5	6.2				
20...		1850	1.0	24												5.9	27.5	7.4				
20...		1851	3.0	24												5.9	27.5	7.3				
		CHEM- ICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L)	BIO- CHEM- ICAL OXYGEN DEMAND (5 DAY PER (MG/L)	FECAL COLI- FORM (COL. PER 100 ML)	STREP- TOCOCCI (COL- ONIES PER 100 ML)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)										
DATE	TIME																					
JUL																						
20...	0930	42	.3	89	845	.01	.03	.30	.33	.34	1.5	.01										
20...	1855	32	.2	<10	863	.01	.02	.35	.37	.38	1.7	.01										

302305089124400 - WOLF RIVER AT MI 6

024815218

WATER QUALITY DATA, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

		SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)											PH	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)					
DATE	TIME	DEPTH (FT)												(UNITS)						
JUL																				
20...	0915	1.0	27											5.9	27.5	6.2				
20...	0916	5.0	27											5.8	27.5	6.2				
20...	1840	1.0	28											6.2	29.0	7.0				
20...	1841	5.0	28											6.0	29.0	7.0				
		CHEM- ICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L)	BIO- CHEM- ICAL OXYGEN DEMAND (5 DAY PER (MG/L)	FECAL COLI- FORM (COL. PER 100 ML)	STREP- TOCOCCI (COL- ONIES PER 100 ML)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)								
JUL																				
20...	0920	35	.7	<10	845	.01	.04	.34	.38	.39	1.7	.01								
20...	1845	35	.8	818	818	.01	.03	.34	.37	.38	1.7	.01								

302257089133300 - WOLF RIVER AT MI 5

024815222

WATER QUALITY DATA, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	TIME	DEPTH (FT)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
JUL						
20...	0909	1.0	35	6.5	28.5	6.0
20...	0910	5.0	34	6.4	28.5	4.8
20...	0911	10	34	6.1	28.5	4.9
20...	1830	1.0	32	6.8	29.0	6.8
20...	1831	5.0	30	6.5	29.5	6.7

WOLF RIVER--CONTINUED

302257099133300 - WOLF RIVER AT MI 5

024815222

WATER QUALITY DATA, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	TIME	CHEM- ICAL OXYGEN DEMAND (HIGH LEVFL) (MG/L)	BIO- CHEM- ICAL OXYGEN DEMAND (5 DAY LEVFL) (MG/L)	FECAL COLI- FORM (COL. PER 100 ML)	STREP- TOCOCCI (COL- ONIES PER 100 ML)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)
JUL												
20...	0912	32	.4	<10	<10	.01	.02	.36	.38	.39	1.7	.01
20...	1935	35	.8	<10	945	.01	.01	.32	.33	.34	1.5	.01

02481524 - WOLF RIVER NR CUEVAS, MS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	TIME	DEPTH (FT)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
JUL						
20...	0900	1.0	90	6.6	28.0	6.0
20...	0901	5.0	3000	6.4	28.0	4.9
20...	0902	10	8000	6.2	28.5	2.2
20...	1820	1.0	64	6.9	29.5	7.0
20...	1821	5.0	161	6.5	29.5	6.4
20...	1822	10	9000	6.3	28.5	2.8

DATE	TIME	CHEM- ICAL OXYGEN DEMAND (HIGH LEVFL) (MG/L)	BIO- CHEM- ICAL OXYGEN DEMAND (5 DAY LEVFL) (MG/L)	FECAL COLI- FORM (COL. PER 100 ML)	STREP- TOCOCCI (COL- ONIES PER 100 ML)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)
JUL												
20...	0905	37	.5	<10	945	.01	.01	.45	.47	.48	2.1	.01
20...	1825	48	.4	<10	945	.00	.06	.32	.38	.38	1.7	.01

302215089144300 - WOLF RIVER AT MI 3

024815243

WATER QUALITY DATA, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	TIME	DEPTH (FT)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
JUL						
20...	0830	1.0	2600	6.6	27.5	5.5
20...	0831	5.0	10000	6.5	28.5	2.4
20...	1810	1.0	800	6.7	30.0	6.6
20...	1811	5.0	11000	6.4	29.0	3.0

DATE	TIME	CHEM- ICAL OXYGEN DEMAND (HIGH LEVFL) (MG/L)	BIO- CHEM- ICAL OXYGEN DEMAND (5 DAY LEVFL) (MG/L)	FECAL COLI- FORM (COL. PER 100 ML)	STREP- TOCOCCI (COL- ONIES PER 100 ML)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)
JUL												
20...	0845	64	.4	<10	89	.01	.06	.36	.42	.43	1.9	.01
20...	1815	42	.5	818	899	.00	.03	.34	.37	.37	1.6	.01

WOLF RIVER--CONINUED

302158089152800 - WOLF RIVER AT MI 2

024815246

WATER QUALITY DATA, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

						SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)		PH		TEMPER- ATURE (DEG C)		DIS- SOLVED OXYGEN (MG/L)					
		DATE	TIME	DEPTH (FT)				(UNITS)									
		JUL															
		20...	0815	1.0	8000	6.8	24.5	4.3									
		20...	0816	5.0	12000	6.9	24.5	4.0									
		20...	1800	1.0	2000	6.8	30.0	7.0									
		20...	1801	5.0	14000	6.6	29.5	3.8									
		CHEM- ICAL OXYGEN DEMAND (HIGH LFVFL) (MG/L)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM (COL. PER 100 ML)	STREP- TOCOCCI (COL- ONIES PER 100 ML)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N03) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)					
DATE	TIME																
JUL																	
20...	0830	51	.5	<10	B63	.01	.03	.35	.38	.39	1.7	.02					
20...	1805	82	.8	B18	B9	.01	.04	.35	.43	.44	1.9	.02					

302136089161800 - WOLF RIVER AT MI 1

024815249

WATER QUALITY DATA, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

		SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)											PH	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)							
		DATE	TIME	DEPTH (FT)								(UNITS)										
JUL																						
20...			0745	1.0	2500	7.0	27.5	5.7														
20...			0746	5.0	14000	7.1	29.5	4.9														
20...			0747	10	15000	7.2	29.5	4.0														
20...			1745	1.0	3000	7.3	30.0	7.4														
20...			1746	5.0	20000	7.0	29.5	4.5														
20...			1747	10	24000	7.3	29.5	4.0														
		CHEM- ICAL OXYGEN DEMAND (HIGH LFVFL) (MG/L)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM (COL. PER 100 ML)	STREP- TOCOCCI (COL- ONIES PER 100 ML)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N03) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)										
DATE	TIME																					
JUL																						
20...		0800	71	.8	<10	<10	.01	.06	.41	.47	.48	2.1	.03									
20...		1750	140	1.2	89	<10	.00	.10	.47	.57	.57	2.5	.00									

02481527 - WOLF RIVER NR DE LISLE, MS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	TIME	DEPTH (FT)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
JUL						
20...	0700	1.0	11000	7.2	28.5	5.8
20...	0701	5.0	15000	7.3	29.5	4.2
20...	0702	10	16000	7.4	29.5	3.2
20...	1730	1.0	7000	7.1	30.5	7.6
20...	1731	5.0	17500	7.4	30.0	6.5
20...	1732	10	18000	7.4	30.0	6.1

WOLF RIVER--CONTINUED

024H1527 - WOLF RIVER NR DE LISLE, MS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	TIME	CHEM- TICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L)	BIO- CHEM- ICAL OXYGEN DEMAND (5 DAY (MG/L)	FECAL COLI- FORM (COL. PER 100 ML)	STREP- TOCOCCI (COL- ONIES PER 100 ML)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N03) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)
JUL												
20...	0715	82	1.2	812	812	.00	.01	.32	.33	.33	1.5	.01
20...	1740	87	.8	<10	818	.01	.04	.43	.47	.48	2.1	.02
21...	1100	100	--	--	--	.01	.04	.44	.48	.49	2.2	.02

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	DIS- SOLVED OXYGEN (MG/L)	HARD- NESS (CA+MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	TOTAL MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)
JUL												
21...	1100	16200	6.8	30.0	10	5	7.3	2100	2100	140	390	430

DATE	RICAR- BONATE (HC03) (MG/L)	CAR- BONATE (C03) (MG/L)	ALKA- LITY AS CAC03 (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	DIS- SOLVED SILICA (SIO2) (MG/L)	DIS- SOLVED SOLIDS (REST- DUE AT 180 C) (MG/L)	DIS- SOLVED SOLIDS (TONS PER AC-FT)	TOTAL ARSENIC IN BOTTOM MA- TERIAL (UG/L)	TOTAL CAD- MIUM (CD) (UG/L)
JUL 21...	59	0	48	870	6900	4.4	12200	16.6	1	5

DATE	TOTAL CADMIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL CHRO- MIUM MA- TERIAL (UG/L)	TOTAL CHRO- MIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL COBALT IN BOTTOM MA- TERIAL (UG/L)	TOTAL COBALT IN BOTTOM MA- TERIAL (UG/G)	TOTAL COPPER IN BOTTOM MA- TERIAL (UG/L)	TOTAL COPPER IN BOTTOM MA- TERIAL (UG/G)	TOTAL IRON IN BOTTOM MA- TERIAL (UG/L)	TOTAL IRON IN BOTTOM MA- TERIAL (UG/G)	TOTAL LEAD IN BOTTOM MA- TERIAL (UG/L)	TOTAL LEAD IN BOTTOM MA- TERIAL (UG/G)
JUL 21...	<10	30	50	0	<10	0	<10	290	6300	3	90

DATE	TOTAL MANGA- NESE IN BOTTOM MA- TERIAL (UG/L)	TOTAL MANGA- NESE IN BOTTOM MA- TERIAL (UG/G)	TOTAL MERCURY IN BOTTOM MA- TERIAL (UG/G)	TOTAL MERCURY IN BOTTOM MA- TERIAL (UG/G)	TOTAL SELE- NIUM IN BOTTOM MA- TERIAL (UG/L)	TOTAL SELE- NIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL ZINC IN BOTTOM MA- TERIAL (UG/L)	TOTAL ZINC IN BOTTOM MA- TERIAL (UG/G)	TOTAL ORGANIC CARBON (C) (MG/L)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)
JUL											
21...	80	40	.0	.0	0	0	60	<10	6.6	0	0

WOLF RIVER--CONTINUED

02481527 - WOLF RIVER NR DE LISLE, MS.

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	TOTAL ALDRIN (UG/L)	ALDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL CHLOR- DANE (UG/L)	CHLOR- DANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDD (UG/L)	DDD IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDE (UG/L)	DDE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDT (UG/L)	DDT IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DI- AZINON (UG/L)	DI- AZINON IN BOTTOM MA- TERIAL (UG/KG)
JUL 21...	.00	.0	.0	0	.00	.0	.00	.0	.00	.0	.00	.0

DATE	TOTAL DIFLORIN (UG/L)	DI- ELDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ENDRIN (UG/L)	ENDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ETHION (UG/L)	ETHION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR (UG/L)	HEPTA- CHLOR IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR EPOXIDE (UG/L)	HEPTA- CHLOR EPOXIDE IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL LINDANE (UG/L)
JUL 21...	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00

DATE	TOTAL LINDANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL MALA- THION (UG/L)	MALA- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL METHYL PARA- THION (UG/L)	METHYL PARA- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL METHYL THION (UG/L)	METHYL THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL PARA- THION (UG/L)	PARA- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL PCB (UG/L)	PCB IN BOTTOM MA- TERIAL (UG/KG)
JUL 21...	.0	.00	.0	.00	.0	.00	.0	.00	.0	.0	0

DATE	TOTAL POLY- CHLOR- BINATED NAPH- THA- LENES (UG/L)	TOTAL TOX- APHENE (UG/L)	TOX- APHENE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL TRI- THION (UG/L)	TRI- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL 2,4-D (UG/L)	2,4-D IN BOTTOM MA- TERIAL (UG/KG)	TOTAL 2,4,5-T (UG/L)	2,4,5-T IN BOTTOM MA- TERIAL (UG/KG)	TOTAL SILVEX (UG/L)	SILVEX IN BOTTOM MA- TERIAL (UG/KG)
JUL 21...	.00	0	0	.00	.0	.00	0	.00	0	.00	0

PEARL RIVER

An intensive study of the quality of water in the Pearl River below Jackson, Mississippi was made September 20-22, 1976. Water samples were collected at 13 sites at approximately 1 mile intervals on the Pearl River from 0.25 mile upstream of the Jackson sewage treatment plant to the bridge crossing at Byram. Listed below are site locations and field and laboratory water quality determinations made during the study.

32142409121500 - PEARL RIVER AT MI 282, 0.25 MI ABOVE JACKSON SEWAGE TREATMENT PLANT 024863031

WATER QUALITY DATA, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

						SPECIFIC CONDUCTANCE (MICRO-MHOS)		PH (UNITS)		TEMPERATURE (DEG C)		DISSOLVED OXYGEN (MG/L)	
		INSTANTANEOUS DISCHARGE (CFS)											
DATE		TIME											
SEP													
21...		0740		260		100		6.9		25.5		7.3	
21...		0800		260		100		--		25.0		7.1	
21...		0900		260		95		6.3		25.0		6.4	
21...		1000		263		100		--		25.5		6.5	
21...		1100		263		100		--		25.5		6.7	
21...		1200		263		100		6.3		25.5		6.8	
21...		1300		260		100		--		25.5		7.0	
21...		1400		258		100		6.9		26.0		7.4	
21...		1500		255		105		6.6		25.5		7.1	
21...		1600		255		105		--		26.0		7.2	
21...		1700		255		105		--		26.0		7.3	
21...		1800		255		105		6.2		26.0		7.4	
21...		1900		260		107		--		26.0		7.6	
21...		2000		260		110		--		26.0		7.7	
21...		2100		258		110		7.0		25.5		7.8	
21...		2200		258		108		--		25.5		7.7	
21...		2300		255		110		--		25.0		7.6	
21...		2400		255		110		6.3		25.0		7.6	
22...		0100		255		110		--		25.0		7.6	
22...		0200		255		108		--		24.5		7.6	
22...		0300		258		100		6.7		24.0		7.7	
22...		0400		258		105		--		24.0		7.7	
22...		0500		260		105		--		24.0		7.7	
22...		0600		263		105		--		24.0		7.7	
22...		0700		260		100		--		24.0		7.7	
22...		0730		260		100		6.8		24.0		7.8	
22...		0800		260		100		--		24.0		7.7	
22...		0900		258		100		--		24.0		7.7	
22...		1000		255		100		--		24.0		7.6	
22...		1100		250		95		--		24.0		7.6	
22...		1200		250		95		6.5		24.0		7.6	
22...		1300		245		100		--		24.5		7.4	
22...		1400		240		100		7.1		25.0		7.2	
22...		1500		235		100		--		25.0		7.2	
22...		1600		235		100		--		25.0		7.2	
22...		1700		237		105		--		25.0		7.3	
22...		1800		245		100		6.8		25.0		7.3	
DATE		TIME	CHEMICAL OXYGEN DEMAND (MG/L)	BIOCHEMICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLIFORMS (COL. PER 100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)	TOTAL NITRITE PLUS NITRATE (MG/L)	TOTAL AMMONIA NITROGEN (MG/L)	TOTAL ORGANIC NITROGEN (MG/L)	TOTAL KJELDAHL NITROGEN (MG/L)	TOTAL NITROGEN (MG/L)	TOTAL NITROGEN (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)
SEP													
21...		0740	13	1.8	--	350	.03	.10	1.0	1.1	1.1	5.0	.19
21...		1200	12	1.6	R310	340	.03	.11	1.1	1.2	1.2	5.4	.29
21...		1800	12	2.1	--	290	.04	.03	.73	.76	.80	3.5	.14
21...		2400	11	1.8	H900	430	.02	.05	.83	.88	.90	4.0	.19
22...		0730	9	1.8	R1000	280	.03	.06	1.0	1.1	1.1	5.0	.28
22...		1200	12	1.6	R550	290	.03	.10	.87	.97	1.0	4.4	.20
22...		1800	11	2.2	210	250	.03	.05	.91	.96	.99	4.4	.17
DATE		TIME	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	HARDNESS (CA+MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	DISSOLVED CALCIUM (CA) (MG/L)	TOTAL MAGNESIUM (MG/L)	DISSOLVED MAGNESIUM (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	
SEP													
22...		1200	180	300	23	0	7.0	2.5	1.4	30	0	25	

PEARL RIVER--CONTINUED

321424090121500 - PEARL RIVER AT MI 282

024863031

WATER QUALITY DATA, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	DIS-	DIS-	DIS-	DIS-	DIS-	DIS-	TOTAL	TOTAL	TOTAL	TOTAL
	SOLVED	SOLVED	SOLVED	SOLVED	SOLVED	SOLVED	ARSENIC	CADMIUM	CADMIUM	CHROMIUM
	SULFATE	CHLORIDE	SILICA	(RESIDUE AT	SOLIDS	SOLIDS	TOTAL	TOTAL	TOTAL	TOTAL
	(SO4)	(CL)	(SiO2)	180 C)	(TONS	(TONS	ARSENIC	BOTTOM	BOTTOM	CHROMIUM
	(MG/L)	(MG/L)	(MG/L)	(MG/L)	PER	PER	(AS)	MATERIAL	MATERIAL	(CR)
					AC-FT)	DAY)	(UG/L)	(UG/G)	(UG/L)	(UG/L)
SEP 22...	8.7	8.1	7.6	68	.09	45.9	5	2	0	<10

DATE	TOTAL CHROMIUM IN BOTTOM MA-TERIAL (UG/G)	TOTAL COBALT IN BOTTOM MA-TERIAL (UG/L)	TOTAL COPPER IN BOTTOM MA-TERIAL (UG/L)	TOTAL COPPER IN BOTTOM MA-TERIAL (UG/G)	TOTAL IRON IN BOTTOM MA-TERIAL (UG/L)	TOTAL IRON IN BOTTOM MA-TERIAL (UG/G)	TOTAL LEAD IN BOTTOM MA-TERIAL (UG/G)	TOTAL MANGANSE IN BOTTOM MA-TERIAL (UG/L)		
SEP 22...	10	6	<10	9	<10	6300	1100	19	<10	330

DATE	TOTAL MANGA- NESE IN BOTTOM MA- TERIAL (UG/G)	TOTAL MERCURY (UG/L)	TOTAL MERCURY IN BOTTOM MA- TERIAL (UG/G)	TOTAL SELE- NIUM IN BOTTOM MA- TERIAL (UG/L)	TOTAL SELE- NIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL ZINC IN BOTTOM MA- TERIAL (UG/L)	TOTAL ZINC IN BOTTOM MA- TERIAL (UG/G)	TOTAL ORGANIC CARBON (C) (MG/L)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)
SEP 22...	20	.2	.0	0	0	50	<10	3.1	1	0

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	TIME	TOTAL ALDRIN (UG/L)	ALDRIN IN BOTTOM MA-TERIAL (UG/KG)	TOTAL CHLORDANE (UG/L)	CHLORDANE IN BOTTOM MA-TERIAL (UG/KG)	TOTAL DDD (UG/L)	DDD IN BOTTOM MA-TERIAL (UG/KG)	TOTAL DDE (UG/L)	DDE IN BOTTOM MA-TERIAL (UG/KG)	TOTAL DDT (UG/L)	DDT IN BOTTOM MA-TERIAL (UG/KG)	TOTAL DIBENZYL (UG/L)
SEP 22...	1200	.00	8.0	.0	24	.00	.0	.00	.0	.00	.0	.01

DATE	TOTAL DIBENZYL IN BOTTOM MA-TERIAL (UG/KG)	TOTAL DIBENZYL IN BOTTOM MA-TERIAL (UG/L)	TOTAL DIBENZYL IN BOTTOM MA-TERIAL (UG/KG)	TOTAL DIBENZYL IN BOTTOM MA-TERIAL (UG/L)	TOTAL DIBENZYL IN BOTTOM MA-TERIAL (UG/KG)	TOTAL DIBENZYL IN BOTTOM MA-TERIAL (UG/L)	TOTAL DIBENZYL IN BOTTOM MA-TERIAL (UG/KG)	TOTAL DIBENZYL IN BOTTOM MA-TERIAL (UG/L)	TOTAL DIBENZYL IN BOTTOM MA-TERIAL (UG/KG)	TOTAL DIBENZYL IN BOTTOM MA-TERIAL (UG/L)	TOTAL DIBENZYL IN BOTTOM MA-TERIAL (UG/KG)	TOTAL DIBENZYL IN BOTTOM MA-TERIAL (UG/L)
SEP 22...	.0	.00	5.3	.00	.0	.00	.0	.00	.0	.00	.4	.00

DATE	TOTAL LINDANE IN BOTTOM MA-TERIAL (UG/KG)	TOTAL LINDANE IN BOTTOM MA-TERIAL (UG/L)	TOTAL LINDANE IN BOTTOM MA-TERIAL (UG/KG)	TOTAL LINDANE IN BOTTOM MA-TERIAL (UG/L)	TOTAL LINDANE IN BOTTOM MA-TERIAL (UG/KG)	TOTAL LINDANE IN BOTTOM MA-TERIAL (UG/L)	TOTAL LINDANE IN BOTTOM MA-TERIAL (UG/KG)	TOTAL LINDANE IN BOTTOM MA-TERIAL (UG/L)	TOTAL LINDANE IN BOTTOM MA-TERIAL (UG/KG)	TOTAL LINDANE IN BOTTOM MA-TERIAL (UG/L)	TOTAL LINDANE IN BOTTOM MA-TERIAL (UG/KG)	TOTAL LINDANE IN BOTTOM MA-TERIAL (UG/L)
SEP 22...	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0	0

DATE	POLY- CHLO- RINATED NAPH- THA- LENES (UG/L)	TOTAL TOX- APHENE (UG/L)	TOTAL BOTTOM MA- TERIAL (UG/KG)	TOTAL TRI- THION (UG/L)	TOTAL BOTTOM MA- TERIAL (UG/KG)	TOTAL 2,4-D (UG/L)	TOTAL BOTTOM MA- TERIAL (UG/KG)	TOTAL 2,4,5-T (UG/L)	TOTAL BOTTOM MA- TERIAL (UG/KG)	TOTAL SILVEX (UG/L)	TOTAL BOTTOM MA- TERIAL (UG/KG)
SEP 22...	.00	0	0	.00	.0	.00	0	.00	0	.02	0

PEARL RIVER--CONTINUED

321402090122600 - PEARL RIVER AT MI 281

024863091

WATER QUALITY DATA, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
SEP					
21...	0810	190	6.8	26.0	6.9
21...	1410	175	6.9	26.0	7.2
22...	0750	190	6.8	24.0	7.7
22...	1405	160	7.1	26.0	7.1

321329090113800 - PEARL RIVER AT MI 280

024863611

WATER QUALITY DATA, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
SEP					
21...	0820	180	6.8	26.0	6.5
21...	1420	180	7.0	26.0	7.0
22...	0800	190	6.9	24.0	7.3
22...	1415	170	7.1	26.0	6.9

DATE	TIME	CHEM- ICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L)	BIO- CHEM- ICAL OXYGEN DEMAND (5 DAY LEVEL) (MG/L)	FECAL COLI- FORM (COL. PER 100 ML)	STREP- TOCOCCI (COL- ONIES PER 100 ML)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)
SEP												
21...	0820	14	3.1	--	240	.09	1.4	1.1	2.5	2.6	11	1.6
21...	1420	10	2.4	--	872	.22	.88	1.2	2.1	2.3	10	1.0
22...	0800	9	3.1	8800	942	.09	1.3	1.3	2.6	2.7	12	1.6
22...	1415	14	3.7	520	835	.26	.85	1.3	2.1	2.4	10	1.1

321310090111000 - PEARL RIVER AT MI 279

024863661

WATER QUALITY DATA, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
SEP					
21...	0830	190	6.8	26.0	6.4
21...	1430	175	6.9	26.0	7.0
22...	0415	190	6.9	23.5	7.2
22...	1425	170	7.1	26.0	6.7

PEARL RIVER--CONTINUED

321228090112000 - PEARL RIVER AT MI 278

024863721

WATER QUALITY DATA, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
SEP					
21...	0840	190	6.8	26.0	6.3
21...	1445	175	7.0	26.5	6.4
22...	0830	190	7.0	23.5	7.2
22...	1440	190	7.0	26.0	5.8

321204090105500 - PEARL RIVER AT MI 277

024863821

WATER QUALITY DATA, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
SEP					
21...	0850	190	6.8	26.0	6.4
21...	1500	190	6.8	26.5	6.6
22...	0840	180	6.9	24.0	7.0
22...	1450	175	7.1	26.0	5.6

321150090113200 - PEARL RIVER AT MI 276

024863881

WATER QUALITY DATA, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
SEP					
21...	0900	180	6.8	26.0	6.4
21...	1510	190	6.9	26.0	6.6
22...	0850	190	7.0	23.5	6.8
22...	1500	175	7.0	26.0	5.9

321119090114700 - PEARL RIVER AT MI 275

024863951

WATER QUALITY DATA, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
SEP					
21...	0910	180	6.9	25.5	6.4
21...	1520	200	6.9	26.5	5.4
22...	0900	180	7.0	23.5	6.7
22...	1515	180	7.1	26.0	6.4

PEARL RIVER--CONTINUED

321112090121100 - PEARL RIVER AT MI 274

024864021

WATER QUALITY DATA, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
SEP					
21...	0920	170	6.9	25.5	6.4
21...	1530	200	6.9	27.0	6.9
22...	0915	180	7.0	23.0	6.7
22...	1525	200	7.1	26.0	6.4

321105090123600 - PEARL RIVER AT MI 273

024864071

WATER QUALITY DATA, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
SEP					
21...	0935	170	6.9	25.0	6.5
21...	1545	200	6.9	27.0	7.2
22...	0925	175	7.0	23.0	6.6
22...	1540	200	7.1	26.5	5.9

321040090132100 - PEARL RIVER AT MI 272

024864181

WATER QUALITY DATA, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
SEP					
21...	0945	160	6.9	25.0	6.4
21...	1555	190	7.0	27.0	7.5
22...	0935	170	7.0	23.0	6.5
22...	1550	190	7.1	27.0	6.5

321024090140800 - PEARL RIVER AT MI 271

024864251

WATER QUALITY DATA, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
SEP					
21...	0955	170	6.9	25.0	6.0
21...	1600	170	7.0	26.0	7.1
22...	0945	180	6.9	23.0	6.0
22...	1600	180	6.9	25.5	5.9

PEARL RIVER--CONTINUED

02486500 - PEARL RIVER AT MI 270.25 NR BYRAM, MS

WATER QUALITY DATA, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

				INSTANTANEOUS DISCHARGE (CFS)		SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	DISSOLVED OXYGEN (MG/L)			
SEP												
21...		0700	283	165	6.4	25.5	5.4					
21...		0800	284	155	--	25.5	5.7					
21...		0900	285	150	--	25.5	6.0					
21...		1000	286	155	6.4	25.5	6.4					
21...		1100	286	150	--	25.5	6.6					
21...		1200	287	155	--	25.5	6.7					
21...		1300	288	160	6.5	25.5	6.8					
21...		1400	288	160	--	26.0	7.0					
21...		1500	290	160	--	26.0	7.2					
21...		1600	293	150	6.8	26.5	7.4					
21...		1700	293	165	--	26.5	7.3					
21...		1800	293	170	--	26.5	7.2					
21...		1900	290	170	6.0	26.0	7.0					
21...		2000	290	175	--	26.0	7.0					
21...		2100	293	180	--	25.5	7.1					
21...		2140	293	185	6.8	25.0	7.2					
21...		2200	293	185	--	25.0	7.2					
21...		2300	293	185	--	25.0	7.1					
21...		2400	293	180	--	25.0	6.9					
22...		0100	293	175	6.1	25.0	6.7					
22...		0200	293	175	--	24.5	6.4					
22...		0300	290	175	--	24.5	6.0					
22...		0330	290	175	6.7	24.0	5.6					
22...		0400	290	175	--	24.0	5.3					
22...		0500	290	175	--	24.0	5.1					
22...		0600	290	170	--	23.5	5.0					
22...		0700	290	170	6.6	23.5	4.9					
22...		0800	290	170	--	23.5	5.0					
22...		0900	290	170	--	24.0	5.4					
22...		1000	290	170	6.6	24.0	5.8					
22...		1100	290	165	--	24.0	5.9					
22...		1200	288	165	--	24.0	5.9					
22...		1300	288	165	6.7	24.0	5.9					
22...		1400	287	170	--	24.5	6.1					
22...		1500	286	170	--	24.5	6.3					
22...		1600	284	165	6.3	24.5	6.5					
22...		1700	284	170	--	25.0	6.7					
22...		1800	283	170	--	25.0	6.9					
22...		1900	282	170	6.4	25.0	7.0					
DATE	TIME	CHEMICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L)	BIO-CHEMICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLIFORM (COL. PER 100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)	TOTAL NITRITE PLUS NITRATE (MG/L)	TOTAL AMMONIA NITROGEN (MG/L)	TOTAL ORGANIC NITROGEN (MG/L)	TOTAL KjELDAHL NITROGEN (MG/L)	TOTAL NITROGEN (MG/L)	TOTAL NITROGEN (NO3) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)
SEP												
21...		0700	14	4.5	--	.47	.70	.90	1.6	2.1	9.2	.89
21...		1300	12	4.9	--	.64	.49	.91	1.4	2.0	9.0	.85
21...		1900	16	4.4	--	.53	.92	.98	1.9	2.4	11	1.1
22...		0100	40	3.5	250	.38	1.2	1.0	2.2	2.6	11	1.5
22...		0700	10	2.9	200	.39	.93	.87	1.8	2.2	9.7	1.1
22...		1300	11	3.1	200	.47	.66	.84	1.5	2.0	8.7	.77
22...		1900	11	3.1	220	.41	1.0	.90	1.9	2.3	10	.89
DATE	TIME	COLOR (PLATINUM-COPALT UNITS)	TURBIDITY (JTU)	HARDNESS (CA, MG/L)	NON-CARBONATE HARDNESS (MG/L)	DISSOLVED CALCIUM (CA) (MG/L)	TOTAL MAGNESIUM (MG/L)	DISSOLVED MAGNESIUM (MG/L)	HICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	
SEP												
22...		1300	50	60	32	0	9.8	1.9	1.8	44	0	36

ANALYSES OF SAMPLES COLLECTED DURING SHORT-TERM INTENSIVE STUDIES

PEARL RIVER--CONTINUED

02486500 - PEARL RIVER NR BYRAM, MS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	DIS-SOLVED SULFATE (SO4)	DIS-SOLVED CHLORIDE (CL)	DIS-SOLVED SILICA (SiO2)	DIS-SOLVED SOLIDS (RESIDUE AT 180 C)	DIS-SOLVED SOLIDS (TONS PER AC-FT)	DIS-SOLVED SOLIDS (TONS PER DAY)	TOTAL ARSENIC (AS)	TOTAL ARSENIC IN BOTTOM MATERIAL	TOTAL CADMIUM IN BOTTOM MATERIAL	TOTAL CHROMIUM IN BOTTOM MATERIAL
	(MG/L)	(MG/L)	(MG/L)	(MG/L)			(UG/L)	(UG/G)	(UG/L)	(UG/G)
SEP 22...	14	15	9.2	110	.15	85.5	4	1	0	<10

DATE	TOTAL CHROMIUM IN BOTTOM MA-TERIAL (UG/G)	TOTAL COBALT IN BOTTOM MA-TERIAL (UG/L)	TOTAL COBALT IN BOTTOM MA-TERIAL (UG/G)	TOTAL COPPER IN BOTTOM MA-TERIAL (UG/L)	TOTAL COPPER IN BOTTOM MA-TERIAL (UG/G)	TOTAL IRON IN BOTTOM MA-TERIAL (UG/L)	TOTAL IRON IN BOTTOM MA-TERIAL (UG/G)	TOTAL LEAD IN BOTTOM MA-TERIAL (UG/G)	TOTAL LEAD IN BOTTOM MA-TERIAL (UG/L)	TOTAL MANGANESE IN BOTTOM MA-TERIAL (UG/L)
SEP 22...	20	3	<10	8	<10	2500	820	13	<10	280

DATE	TOTAL MANGANESE IN BOTTOM MA-TERIAL (UG/G)	TOTAL MERCURY IN BOTTOM MA-TERIAL (UG/L)	TOTAL MERCURY IN BOTTOM MA-TERIAL (UG/G)	TOTAL SELENIUM IN BOTTOM MA-TERIAL (UG/L)	TOTAL SELENIUM IN BOTTOM MA-TERIAL (UG/G)	TOTAL ZINC IN BOTTOM MA-TERIAL (UG/L)	TOTAL ZINC IN BOTTOM MA-TERIAL (UG/G)	TOTAL ORGANIC CARBON (C) (MG/L)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)
SEP 22...	10	.2	.1	0	0	30	<10	5.0	1	0

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	TIME	ALDRIN IN BOTTOM MA-TERIAL (UG/KG)	ALDRIN IN BOTTOM MA-TERIAL (UG/L)	CHLORDANE IN BOTTOM MA-TERIAL (UG/KG)	CHLORDANE IN BOTTOM MA-TERIAL (UG/L)	DDD IN BOTTOM MA-TERIAL (UG/L)	DDD IN BOTTOM MA-TERIAL (UG/KG)	DDE IN BOTTOM MA-TERIAL (UG/L)	DDE IN BOTTOM MA-TERIAL (UG/KG)	DDT IN BOTTOM MA-TERIAL (UG/L)	DDT IN BOTTOM MA-TERIAL (UG/KG)	TOTAL DIAZINON (UG/L)
SEP 22...	1300	.00	.0	.0	0	.00	.0	.00	.0	.00	.0	.14

DATE	DI-AZINON IN BOTTOM MA-TERIAL (UG/KG)	DI-ELDRIN IN BOTTOM MA-TERIAL (UG/L)	DI-ELDRIN IN BOTTOM MA-TERIAL (UG/KG)	ENDRIN IN BOTTOM MA-TERIAL (UG/L)	ENDRIN IN BOTTOM MA-TERIAL (UG/KG)	ETHION IN BOTTOM MA-TERIAL (UG/L)	ETHION IN BOTTOM MA-TERIAL (UG/KG)	HEPTA-CHLOR IN BOTTOM MA-TERIAL (UG/L)	HEPTA-CHLOR IN BOTTOM MA-TERIAL (UG/KG)	TOTAL HEPTA-CHLOR EPOXIDE IN BOTTOM MA-TERIAL (UG/L)	TOTAL HEPTA-CHLOR EPOXIDE IN BOTTOM MA-TERIAL (UG/KG)	TOTAL LINDANE (UG/L)
SEP 22...	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00

DATE	LINDANE IN BOTTOM MA-TERIAL (UG/KG)	MALATHION IN BOTTOM MA-TERIAL (UG/L)	MALATHION IN BOTTOM MA-TERIAL (UG/KG)	TOTAL METHYL PARA-THION IN BOTTOM MA-TERIAL (UG/L)	TOTAL METHYL PARA-THION IN BOTTOM MA-TERIAL (UG/KG)	TOTAL METHYL TRI-THION IN BOTTOM MA-TERIAL (UG/L)	TOTAL METHYL TRI-THION IN BOTTOM MA-TERIAL (UG/KG)	TOTAL PARA-THION IN BOTTOM MA-TERIAL (UG/L)	TOTAL PARA-THION IN BOTTOM MA-TERIAL (UG/KG)	TOTAL PCB IN BOTTOM MA-TERIAL (UG/L)	TOTAL PCB IN BOTTOM MA-TERIAL (UG/KG)
SEP 22...	.0	.00	.0	.00	.0	.00	.0	.00	.0	.0	0

DATE	POLY-CHLORINATED NAPHTHALES (UG/L)	TOX-APRENE IN BOTTOM MA-TERIAL (UG/L)	TOX-APRENE IN BOTTOM MA-TERIAL (UG/KG)	TRI-THION IN BOTTOM MA-TERIAL (UG/L)	TRI-THION IN BOTTOM MA-TERIAL (UG/KG)	2,4-D IN BOTTOM MA-TERIAL (UG/L)	2,4-D IN BOTTOM MA-TERIAL (UG/KG)	2,4,5-T IN BOTTOM MA-TERIAL (UG/L)	2,4,5-T IN BOTTOM MA-TERIAL (UG/KG)	SILVEX IN BOTTOM MA-TERIAL (UG/L)	SILVEX IN BOTTOM MA-TERIAL (UG/KG)
SEP 22...	.00	0	0	.00	.0	.00	0	.00	0	.00	0

OTOUCALOFA CREEK

An intensive study of the quality of water in Otoucalofa Creek in the Water Valley, Mississippi area was made August 16-20, 1976. Water samples were collected at 3 sites on Otoucalofa Creek and a small tributary near Water Valley. Listed below are site locations and field and laboratory water quality determinations made during the study.

07274248 - OTOUCALOFA CREEK

SE OF WATER VALLEY, MS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	TIME	INSTAN- TANEOUS DIS- CHARGE (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
ALG						
16...	1845	18	47	6.5	25.5	6.7
16...	1900	18	47	--	25.5	6.7
16...	2000	17	47	--	25.0	6.8
16...	2100	17	47	--	25.0	6.9
16...	2200	16	47	--	24.5	7.0
16...	2300	16	47	--	24.5	7.1
16...	2400	16	47	--	24.0	7.2
17...	0100	15	46	--	23.5	7.3
17...	0200	15	46	--	23.0	7.4
17...	0300	15	46	--	22.5	7.5
17...	0400	15	46	--	22.0	7.6
17...	0500	15	46	--	21.5	7.7
17...	0600	14	46	--	21.0	7.8
17...	0630	14	46	6.5	21.0	7.8
17...	0700	14	46	--	21.5	7.8
17...	0800	14	46	--	21.0	7.7
17...	0900	14	46	6.5	21.5	7.6
17...	1000	14	46	--	22.0	7.7
17...	1100	13	46	--	23.0	7.8
17...	1200	13	46	6.6	24.5	7.9
17...	1300	13	46	--	26.0	7.9
17...	1400	13	46	--	26.5	7.8
17...	1500	13	45	--	27.0	7.8
17...	1530	13	44	6.9	27.5	7.8
17...	1600	13	44	--	27.5	7.5
17...	1700	13	44	--	27.0	7.0
17...	1800	13	44	--	26.5	6.5
17...	1815	12	44	6.5	26.0	6.4
17...	1900	12	46	--	25.0	6.6
17...	2000	12	47	--	24.0	7.0
17...	2100	12	48	--	23.5	7.4
17...	2145	11	48	6.4	23.0	7.7
17...	2200	11	48	--	23.0	7.8
17...	2300	11	48	--	22.5	7.9
17...	2400	12	47	--	22.0	8.0
18...	0030	12	45	5.7	21.5	8.1
18...	0100	12	46	--	21.5	8.1
18...	0200	12	46	--	21.0	8.2
18...	0300	12	46	5.7	20.5	8.3
18...	0400	12	46	--	20.0	8.3
18...	0500	12	46	--	19.5	8.3
18...	0600	12	46	6.2	19.0	8.3
18...	0700	12	46	--	19.0	8.4
18...	0800	12	46	--	18.5	8.5
18...	0900	12	46	--	19.0	8.6
18...	0945	12	46	6.4	20.0	8.7
18...	1000	12	46	--	20.5	8.6
18...	1100	13	47	--	22.0	8.4
18...	1200	13	47	6.2	23.0	8.2
18...	1300	13	47	--	24.0	7.8
18...	1400	12	47	--	25.0	7.2
18...	1500	12	47	--	26.0	6.6
18...	1545	12	45	6.2	26.0	6.0
18...	1600	12	45	--	26.5	6.1
18...	1700	12	45	--	26.5	6.3
18...	1800	12	45	--	26.0	6.6
18...	1845	12	45	6.6	26.0	6.9
18...	1900	12	45	--	25.5	7.0
18...	2000	11	45	--	25.0	7.1
18...	2100	11	45	--	24.0	7.2
18...	2130	11	44	6.0	24.0	7.3
18...	2200	11	44	--	24.0	7.3
18...	2300	11	44	--	23.5	7.4
18...	2400	11	45	--	23.0	7.4
19...	0015	11	46	6.0	23.0	7.5
19...	0100	11	46	--	22.5	7.7
19...	0200	11	46	--	22.0	8.0

OTOUCALOFA CREEK--CONTINUED

07274248 - OTOUCALOFA CREEK

SE OF WATER VALLEY, MS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	TIME	INSTAN- TANEOUS DIS- CHARGE (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)						
AUG												
19...	0300	11	46	--	21.5	8.2						
19...	0325	11	46	6.1	21.5	8.3						
19...	0400	11	46	--	21.0	8.3						
19...	0500	11	46	--	20.0	8.4						
19...	0600	12	46	--	19.0	8.4						
19...	0615	12	47	5.9	19.0	8.5						
19...	0700	12	47	--	18.5	8.5						
19...	0800	12	47	--	18.5	8.5						
19...	0900	12	47	--	19.0	8.5						
19...	0945	12	48	6.5	20.0	8.5						
19...	1000	12	47	--	20.5	8.3						
19...	1100	12	46	--	22.0	7.7						
19...	1200	12	45	6.2	23.5	7.2						
19...	1300	12	45	--	24.5	7.2						
19...	1400	12	45	--	25.0	7.3						
19...	1500	12	45	--	25.5	7.4						
19...	1600	12	45	6.1	25.5	7.6						
19...	1700	11	45	--	25.5	7.4						
19...	1800	11	45	--	25.0	7.0						
19...	1900	10	45	6.2	24.5	6.3						
19...	2000	10	45	--	24.0	6.7						
19...	2100	11	45	--	22.5	7.2						
19...	2130	11	46	6.8	22.0	7.8						
19...	2200	11	46	--	22.0	7.7						
19...	2300	11	45	--	22.0	7.4						
19...	2400	11	45	--	22.0	7.1						
20...	0015	11	45	7.0	22.0	7.0						
20...	0100	11	45	--	--	--						
20...	0200	11	45	--	--	--						
20...	0300	11	45	--	--	--						
20...	0400	11	45	--	--	--						
20...	0500	11	45	--	--	--						
20...	0600	11	45	--	--	--						
20...	0700	12	45	--	--	--						
20...	0800	12	45	--	--	--						
20...	0900	12	45	--	--	--						
20...	1000	12	45	--	--	--						
20...	1100	12	45	--	--	--						
20...	1115	12	46	6.3	22.0	8.5						
DATE	TIME	CHEM- ICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L)	BIO- CHEM- ICAL OXYGEN DEMAND (5 DAY PER (MG/L)	FECAL COLI- FORM (COL. PER 100 ML)	STREP- TOCOCOCCI (COL- ONIES PER 100 ML)	TOTAL NITRITE PLUS NITRATE (MG/L)	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N03) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)
AUG												
17...	0630	13	3.0	270	920	.10	.04	.41	.45	.55	2.4	.08
17...	1200	6	2.5	250	670	.09	.02	.51	.53	.62	2.7	.14
17...	1815	5	1.9	100	630	.08	.02	.30	.32	.40	1.8	.03
18...	0030	6	2.1	140	81400	.10	.05	.39	.44	.54	2.4	.05
18...	0600	5	1.4	F2500	2300	.10	.03	.24	.27	.37	1.6	.03
18...	1200	6	1.9	8640	81100	.09	.01	.23	.24	.33	1.5	.03
18...	1845	10	.8	250	970	.08	.01	.15	.16	.24	1.1	.03
19...	0015	6	2.2	3300	81100	.10	.04	.30	.34	.44	1.9	.03
19...	0615	3	1.6	88900	2600	.11	.03	.27	.30	.41	1.8	.05
19...	1200	3	1.5	F60000	81100	.10	.01	.31	.32	.42	1.9	.07
19...	1900	8	1.2	--	81200	.09	.07	.60	.67	.76	3.4	.04
20...	0015	3	2.1	2500	81100	.11	.05	.49	.54	.65	2.9	.04

OTOUCALOFA CREEK--CONTINUED

07274248 - OTOUCALOFA CREEK

SE OF WATER VALLEY, MS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	TIME	COLOR (PLAT- INUM- CORAL UNITS)	TUR- BID- ITY (JTU)	HARD- NESS (CA+MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	TOTAL MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	ALKA- LINITY AS CAC03 (MG/L)
AUG 19...	1200	30	10	10	0	2.8	.7	.8	16	0	13

DATE	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	DIS- SOLVED SILICA (SiO2) (MG/L)	DIS- SOLVED (RESI- DUE AT 180 C) (MG/L)	DIS- SOLVED SOLIDS (TONS PER AC-FT)	DIS- SOLVED SOLIDS (TONS PER DAY)	TOTAL ARSENIC IN BOTTOM MA- TERIAL (AS) (UG/L)	TOTAL ARSENIC IN BOTTOM MA- TERIAL (UG/G)	TOTAL CAD- MIUM (CD) (UG/L)	TOTAL CADMIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL CHRO- MIUM (CR) (UG/L)
AUG 19...	2.7	4.1	13	42	.06	1.47	1	2	2	<10	20

DATE	TOTAL CHRO- MIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL COBALT IN BOTTOM MA- TERIAL (UG/L)	TOTAL COBALT IN BOTTOM MA- TERIAL (UG/G)	TOTAL COPPER IN BOTTOM MA- TERIAL (UG/L)	TOTAL COPPER IN BOTTOM MA- TERIAL (UG/G)	TOTAL IRON IN BOTTOM MA- TERIAL (FE) (UG/L)	TOTAL IRON IN BOTTOM MA- TERIAL (UG/G)	TOTAL LEAD IN BOTTOM MA- TERIAL (Pb) (UG/L)	TOTAL LEAD IN BOTTOM MA- TERIAL (UG/G)	TOTAL MAN- GANESE (MN) (UG/L)
AUG 19...	<10	1	<10	3	<10	1200	4000	21	<10	130

DATE	TOTAL MANGA- NESE IN BOTTOM MA- TERIAL (UG/G)	TOTAL MERCURY IN BOTTOM MA- TERIAL (UG/L)	TOTAL MERCURY IN BOTTOM MA- TERIAL (UG/G)	TOTAL SELE- NIUM IN BOTTOM MA- TERIAL (SE) (UG/L)	TOTAL SELE- NIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL ZINC IN BOTTOM MA- TERIAL (ZN) (UG/L)	TOTAL ZINC IN BOTTOM MA- TERIAL (UG/G)	TOTAL ORGANIC CARBON (C) (MG/L)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)
AUG 19...	620	.1	.1	0	0	10	<10	7.2	0	0

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	TIME	ALDRIN IN BOTTOM MA- TERIAL (UG/L)	ALDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL CHLOR- DANE (UG/L)	CHLOR- DANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDD (UG/L)	DDD IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDE (UG/L)	DDE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDT (UG/L)	DDT IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DI- AZINON (UG/L)
AUG 19...	1200	.00	.0	.0	0	.00	.0	.00	.0	.00	.0	.00

DATE	DI- AZINON IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DI- ELDRIN (UG/L)	DI- ELDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ENDRIN (UG/L)	ENDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ETHION (UG/L)	ETHION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR (UG/L)	HEPTA- CHLOR IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR EPOXIDE (UG/L)	HEPTA- CHLOR EPOXIDE IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL LINDANE (UG/L)
AUG 19...	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00

OTOUCALOFA CREEK--CONTINUED

07274248 - OTOUCALOFA CREEK SE OF WATER VALLEY, MS.

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	LINDANE IN BOTTOM MA- TERIAL (UG/KG)	MALA- THION IN BOTTOM MA- TERIAL (UG/L)	METHYL PARA- THION IN BOT- TOM MA- TERIAL (UG/KG)	METHYL TRI- THION IN BOT- TOM MA- TERIAL (UG/L)	PARA- THION IN BOTTOM MA- TERIAL (UG/KG)	PCB IN BOTTOM MA- TERIAL (UG/KG)
AUG 18...	.0	.00	.0	.00	.0	.0

DATE	POLY- CHLO- RINATED NAPH- THA- LENES (UG/L)	TOX- APHENE IN BOTTOM MA- TERIAL (UG/KG)	TRI- THION IN BOTTOM MA- TERIAL (UG/L)	2,4-D IN BOTTOM MA- TERIAL (UG/KG)	2,4,5-T IN BOTTOM MA- TERIAL (UG/L)	SILVEX IN BOTTOM MA- TERIAL (UG/KG)
AUG 18...	.00	0	0	.00	.0	.02

07274251 - TOWN CREEK AT WATER VALLEY, MS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	TIME	INSTAN- TANEOUS DIS- CHARGE (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
AUG 18...	0645	2.3	72	6.0	17.5	8.3
18...	1000	2.3	72	6.1	18.5	9.5
18...	1245	2.3	72	6.0	22.5	9.3
18...	1600	2.3	70	6.1	23.5	8.9
18...	1915	2.3	70	5.9	21.0	7.8
18...	2150	2.3	70	5.8	20.0	7.2
19...	0035	2.3	70	5.9	20.0	8.1
19...	0345	2.3	70	5.8	18.5	8.5
19...	0700	2.3	72	6.3	17.5	8.3

DATE	TIME	CHEM- ICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM (COL. PER 100 ML)	STREP- TOCOCCI (COL- ONIES PER 100 ML)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)
AUG 18...	0645	2	1.5	3000	2500	.81	.03	.26	.29	1.1	4.9	.01
18...	1245	3	1.7	2000	780	.73	.00	.19	.19	.92	4.1	.01
18...	1915	1	1.8	82500	4100	.74	.01	.10	.11	.85	3.8	.02
19...	0035	1	1.4	9780	17000	.77	.06	.26	.32	1.1	4.8	.02
19...	0700	--	2.0	830000	7000	.78	.05	.31	.35	1.1	5.0	.01

OTOUCALOFA CREEK--CONTINUED

07274270 - OTOUCALOFA CREEK

WEST OF WATER VALLEY, MS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	TIME	INSTAN- TANEOUS DIS- CHARGE (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
AUG						
16...	2030	32	55	6.5	26.5	6.0
16...	2100	32	55	--	26.5	6.0
16...	2200	32	56	--	25.5	6.1
16...	2300	31	56	--	25.0	6.1
16...	2400	31	52	--	24.5	6.2
17...	0100	30	62	--	24.0	6.2
17...	0200	30	61	--	24.0	6.3
17...	0300	30	63	--	23.5	6.3
17...	0400	29	64	--	23.0	6.4
17...	0500	29	64	--	22.5	6.5
17...	0600	28	65	--	22.0	6.6
17...	0700	28	66	--	22.0	6.7
17...	0730	28	65	6.7	21.5	6.7
17...	0800	28	65	--	21.5	7.0
17...	0900	28	64	--	21.5	7.5
17...	0940	28	65	6.7	22.0	8.3
17...	1000	28	63	--	22.5	8.5
17...	1100	28	65	--	23.5	8.5
17...	1200	28	66	--	25.0	8.4
17...	1300	28	60	6.8	28.0	8.3
17...	1400	28	65	--	29.5	8.3
17...	1500	28	60	6.8	31.0	8.2
17...	1600	28	64	--	31.5	8.0
17...	1700	28	64	--	31.5	7.7
17...	1800	27	66	--	31.0	7.4
17...	1900	27	60	6.5	29.0	7.1
17...	2000	27	60	--	28.0	7.0
17...	2100	27	60	--	26.5	6.6
17...	2200	27	60	--	25.5	6.4
17...	2245	27	60	6.3	24.0	6.3
17...	2300	27	60	--	24.5	6.3
17...	2355	27	60	6.3	24.0	6.3
17...	2400	27	60	--	23.5	6.3
18...	0100	27	62	--	23.0	6.4
18...	0200	27	64	--	22.0	6.5
18...	0300	27	68	--	21.5	6.6
18...	0320	27	70	5.7	21.0	6.6
18...	0400	27	70	--	20.5	6.6
18...	0500	27	70	--	20.0	6.6
18...	0600	27	70	--	19.5	6.7
18...	0700	27	70	--	19.0	6.7
18...	0730	27	70	6.2	19.0	6.7
18...	0800	27	70	--	19.0	7.0
18...	0900	27	70	--	20.0	7.7
18...	0915	27	70	6.0	20.5	8.0
18...	1000	27	69	--	21.5	8.0
18...	1100	27	67	--	23.0	8.1
18...	1200	27	65	--	25.0	8.1
18...	1300	27	63	--	27.0	8.0
18...	1330	27	62	6.0	28.0	7.9
18...	1400	27	62	--	28.5	7.8
18...	1500	27	62	--	29.5	7.5
18...	1515	27	62	6.0	30.0	7.4
18...	1600	27	62	--	30.5	7.4
18...	1700	27	62	--	30.5	7.4
18...	1800	27	60	--	30.5	7.4
18...	1815	27	60	6.0	30.0	7.4
18...	1900	27	62	--	29.0	7.0
18...	2000	26	64	--	28.0	6.4
18...	2100	26	65	5.6	27.0	5.7
18...	2200	26	66	--	26.5	5.5
18...	2300	26	68	--	25.5	5.4
18...	2350	26	70	5.9	25.0	5.3
18...	2400	26	70	--	25.0	5.3
19...	0100	26	70	--	24.0	5.4
19...	0200	26	70	--	23.0	5.6
19...	0300	26	70	6.0	22.0	6.0
19...	0400	26	70	--	21.5	6.1
19...	0500	26	70	--	20.5	6.2
19...	0600	26	70	--	20.5	6.3
19...	0700	26	70	--	20.0	6.4
19...	0730	26	70	6.2	20.0	7.2

ANALYSES OF SAMPLES COLLECTED DURING SHORT-TERM INTENSIVE STUDIES

OTOUCALOFA CREEK--CONTINUED

07274270 - OTOUCALOFA CREEK

WEST OF WATER VALLEY, MS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	TIME	INSTAN- TANEOUS DIS- CHARGE (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
AUG						
19...	0800	26	70	--	20.0	6.8
19...	0900	26	70	--	20.5	6.9
19...	0915	26	72	6.2	20.5	7.0
19...	1000	26	72	--	21.0	7.3
19...	1100	26	70	--	22.5	7.8
19...	1200	26	68	--	24.0	8.2
19...	1300	26	65	6.2	26.5	8.5
19...	1400	26	65	--	27.0	8.4
19...	1500	26	65	--	27.5	8.2
19...	1530	26	65	6.0	28.0	8.0
19...	1600	26	65	--	28.5	7.9
19...	1700	26	65	--	29.0	7.7
19...	1800	26	65	--	28.5	7.4
19...	1825	26	65	6.0	28.0	7.2
19...	1900	26	67	--	27.5	7.0
19...	2000	26	68	--	26.0	6.6
19...	2055	26	70	6.6	25.0	6.1
19...	2100	26	70	--	25.0	6.1
19...	2200	26	70	--	24.5	5.9
19...	2300	26	72	--	24.0	5.8
19...	2345	26	72	6.6	23.5	5.7
19...	2400	26	72	--	23.5	5.7
20...	0100	26	72	--	23.0	5.7
20...	0200	26	70	--	22.5	5.7
20...	0300	26	70	--	22.0	5.8
20...	0400	26	71	--	22.0	5.9
20...	0500	26	70	--	21.5	5.9
20...	0600	26	72	--	21.0	6.0
20...	0700	26	70	--	21.0	6.0
20...	0800	26	70	--	20.5	6.2
20...	0900	26	70	--	20.0	6.6
20...	1000	26	70	--	21.0	7.2
20...	1100	26	72	--	22.0	8.0
20...	1200	26	70	6.3	24.0	8.6

DATE	TIME	CHEM- ICAL OXYGEN DEMAND (WITH LFVFL) (MG/L)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM (COL. PER 100 ML)	STREP- TOCOCCI (COL- ONIES PER 100 ML)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJFL- DAHL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N03) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)
AUG												
17...	0730	3	2.3	8760	680	.32	.45	.48	.93	1.3	5.5	.26
17...	1300	9	2.1	812000	887	.33	.38	.38	.76	1.1	4.8	.29
17...	1900	8	2.0	2700	220	.35	.41	.39	.80	1.2	5.1	.28
17...	2355	9	3.7	8960	240	.33	.55	.65	1.2	1.5	6.8	.31
18...	0730	6	2.0	4600	500	.38	.57	.28	.85	1.2	5.4	.28
18...	1230	4	2.3	160	829	.38	.45	.34	.79	1.2	5.2	.30
18...	1815	3	1.6	4500	260	.38	.44	.31	.75	1.1	5.0	.31
18...	2350	8	4.0	828000	330	.39	.59	.51	1.1	1.5	6.6	.30
19...	0730	6	2.3	838000	350	.40	.68	.42	1.1	1.5	6.6	.29
19...	1300	3	2.1	88700	842	.40	.52	.47	.99	1.4	6.2	.33
19...	1825	--	5.8	--	220	.40	.51	.69	1.2	1.6	7.1	.30
19...	2345	5	5.1	830000	520	.39	.62	.58	1.2	1.6	7.0	.30

DATE	TIME	COLOR (PLAT- INUM- CORAL UNITS)	TUR- BID- ITY (JTU)	HARD- NESS (CA+MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	TOTAL MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	ALKA- LITY AS CAC03 (MG/L)
AUG											
18...	1330	30	20	10	0	2.9	.7	.7	24	0	20

OTOUCALOFA CREEK--CONTINUED

07274270 - OTOUCALOFA CREEK

WEST OF WATER VALLEY, MS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	DIS- SOLVED SULFATE (SG4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	DIS- SOLVED SILICA (SIOP) (MG/L)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L)	DIS- SOLVED SOLIDS (TONS PER AC-FT)	DIS- SOLVED SOLIDS (TONS PER DAY)	TOTAL ARSENIC (AS) (UG/L)	TOTAL ARSENIC IN BOTTOM MA- TERIAL (UG/G)	TOTAL CAD- MIUM (CD) (UG/L)	TOTAL CADMIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL CHRO- MIUM (CR) (UG/L)
AUG 19...	3.4	5.1	14	50	.07	3.64	1	3	1	<10	20

DATE	TOTAL CHRO- MIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL COBALT (CO) (UG/L)	TOTAL COBALT IN BOTTOM MA- TERIAL (UG/G)	TOTAL COPPER (CU) (UG/L)	TOTAL COPPER IN BOTTOM MA- TERIAL (UG/G)	TOTAL IRON (FE) (UG/L)	TOTAL IRON IN BOTTOM MA- TERIAL (UG/G)	TOTAL LEAD (Pb) (UG/L)	TOTAL LEAD IN BOTTOM MA- TERIAL (UG/G)	TOTAL MAN- GANESE (MN) (UG/L)
AUG 19...	<10	2	<10	4	<10	2000	2100	12	<10	230

DATE	TOTAL MANGA- NESE IN BOTTOM MA- TERIAL (UG/G)	TOTAL MERCURY (HG) (UG/L)	TOTAL MERCURY IN BOTTOM MA- TERIAL (UG/G)	TOTAL SELE- NIUM (SE) (UG/L)	TOTAL SELE- NIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL ZINC (ZN) (UG/L)	TOTAL ZINC IN BOTTOM MA- TERIAL (UG/G)	TOTAL ORGANIC CARBON (C) (MG/L)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)
AUG 19...	110	.2	.0	0	0	20	<10	11	0	0

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	TIME	TOTAL ALDRIN (UG/L)	ALDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL CHLOR- DANE (UG/L)	CHLOR- DANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDD (UG/L)	DDD IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDE (UG/L)	DDE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDT (UG/L)	DDT IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DI- AZINON (UG/L)
AUG 19...	1330	.00	.0	.0	0	.00	3.9	.00	2.1	.00	4.4	.00

DATE	DI- AZINON IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DI- ELDRIN (UG/L)	DI- ELDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ENDRIN (UG/L)	ENDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ETHION (UG/L)	ETHION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR (UG/L)	HEPTA- CHLOR IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- EPOXIDE (UG/L)	HEPTA- EPOXIDE IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL LIN- DANE (UG/L)
AUG 19...	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00

DATE	LINDANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL MALA- THION (UG/L)	MALA- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL METHYL PARA- THION (UG/L)	METHYL PARA- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL METHYL TRI- THION (UG/L)	METHYL TRI- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL PARA- THION (UG/L)	PARA- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL PCB (UG/L)	PCB IN BOTTOM MA- TERIAL (UG/KG)
AUG 19...	.0	.00	.0	.00	.0	.00	.0	.00	.0	.0	0

DATE	POLY- CHLO- RINATED NAPH- THA- LENES (UG/L)	TOTAL TOX- APHENE (UG/L)	TOX- APHENE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL TRI- THION (UG/L)	TRI- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL 2,4-D (UG/L)	2,4-D IN BOTTOM MA- TERIAL (UG/KG)	TOTAL 2,4,5-T (UG/L)	2,4,5-T IN BOTTOM MA- TERIAL (UG/KG)	TOTAL SILVEX (UG/L)	SILVEX IN BOTTOM MA- TERIAL (UG/KG)
AUG 19...	.00	0	0	.00	.0	.00	0	.06	0	.00	0

BEAR AND BATCHELOR CREEKS

An intensive study of the quality of water in Bear and Batchelor Creeks in the Canton, Mississippi area was made July 14-18, 1976. Water samples were collected at 3 sites on Bear Creek and 2 sites on Batchelor Creek. Listed below are the site locations and field and laboratory water-quality determinations made during the study.

07289580 - BEAR CREEK AT CANTON, MS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	TIME	INSTANTANEOUS DIS- CHARGE (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM (COL. PER 100 ML)	STREP- TOCOCCI (COL- ONIES PER 100 ML)
JUN									
16...	0600	.20	250	6.5	23.6	1.7	2.4	120	700
16...	0900	.27	255	6.2	23.8	1.6	--	--	--
16...	1145	1.3	245	6.9	23.8	2.5	4.0	H3400	H5300
16...	1500	2.9	245	6.7	24.0	2.7	--	--	--
16...	1930	3.1	260	7.1	23.0	2.4	4.7	H5600	H4300
16...	2220	2.9	260	6.9	23.0	2.0	--	--	--
17...	0100	3.3	260	7.1	22.5	1.8	3.6	1700	2700
17...	0400	2.9	260	6.9	22.0	2.4	--	--	--
17...	0600	2.7	250	6.6	22.6	1.3	2.6	470	1400

DATE	TIME	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRATE PLUS NITRITE (N) (MG/L)	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL ORTHO PHOS- PHORUS (P) (MG/L)
JUN											
16...	0600	.15	.01	.16	.09	.63	.72	.88	3.9	.13	.05
16...	1145	.12	.02	.14	.21	1.1	1.3	1.4	6.4	.23	.07
16...	1930	.15	.02	.17	.11	.99	1.1	1.3	5.6	.21	.05
17...	0100	.15	.02	.17	.14	.85	.99	1.2	5.1	.22	.08
17...	0600	.15	.02	.17	.11	.82	.93	1.1	4.9	.19	.07

07289582 - BEAR CREEK AT HWY 22 W OF CANTON, MS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	TIME	INSTANTANEOUS DIS- CHARGE (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM (COL. PER 100 ML)	STREP- TOCOCCI (COL- ONIES PER 100 ML)
JUN									
16...	0715	2.4	440	7.0	25.5	.4	16	240	300
16...	1000	2.4	435	7.3	26.0	1.6	--	--	--
16...	1300	3.0	430	7.5	25.0	1.6	23	R7900	E10000
16...	1645	3.9	405	7.4	25.0	1.6	--	--	--
16...	1910	4.3	410	7.2	25.0	1.9	19	R3300	H5100
16...	2200	4.1	420	7.0	24.5	.6	--	--	--
17...	0045	3.8	430	7.1	24.0	.2	27	E26000	E16000
17...	0345	3.6	405	6.9	24.0	.3	--	--	--
17...	0700	3.2	395	7.0	24.0	.2	15	R13000	3700

DATE	TIME	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRATE PLUS NITRITE (N) (MG/L)	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL ORTHO PHOS- PHORUS (P) (MG/L)
JUN											
16...	0715	.08	.07	.15	4.0	4.8	8.8	9.0	40	4.0	3.6
16...	1300	.09	.08	.17	3.1	5.3	8.4	8.6	38	4.2	4.4
16...	1910	.16	.08	.24	4.7	4.6	9.3	9.5	42	3.8	3.4
17...	0045	.00	.01	.01	3.4	4.0	7.4	7.4	33	3.5	3.1
17...	0700	.05	.09	.14	4.3	2.6	6.9	7.0	31	4.2	3.8

BEAR AND BATCHELOR CREEKS--CONTINUED

07289587 - BEAR CREEK NR MILL TOWN, MS.

WATER QUALITY DATA: WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	TIME	INSTAN- TANECUS DIS- CHARGE (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	BIO- CHEM- ICAL OXYGEN DEMAND 30 DAY (MG/L)	FECAL COLI- FORM (COL. PER 100 ML)	STREP- TOCOCCI (COL- ONIES PFR 100 ML)
JUN										
14...	1425	5.0	350	6.9	24.5	4.5	--	--	--	--
14...	1500	4.7	350	--	24.5	5.5	--	--	--	--
14...	1600	4.1	351	--	25.0	6.0	--	--	--	--
14...	1630	3.8	351	--	25.0	6.2	--	--	--	--
14...	1700	3.6	352	--	25.0	6.2	--	--	--	--
14...	1800	3.4	352	--	25.0	6.0	--	--	--	--
14...	1900	3.2	352	--	25.0	5.8	--	--	--	--
14...	2000	3.0	352	--	25.0	5.0	--	--	--	--
14...	2100	2.8	355	--	25.0	4.0	--	--	--	--
14...	2200	2.6	355	--	24.5	3.2	--	--	--	--
14...	2300	2.4	355	--	24.5	2.5	--	--	--	--
14...	2400	2.2	355	--	24.0	2.1	--	--	--	--
15...	0100	2.0	355	--	24.0	2.0	--	--	--	--
15...	0200	1.8	352	--	24.0	1.8	--	--	--	--
15...	0300	1.7	355	--	24.0	1.7	--	--	--	--
15...	0400	1.6	355	--	23.5	1.5	--	--	--	--
15...	0500	1.5	354	--	23.5	1.2	--	--	--	--
15...	0600	1.5	354	--	23.5	1.1	--	--	--	--
15...	0615	1.5	355	6.2	23.0	1.0	21	49	B36	820
15...	0700	1.6	356	--	23.5	1.0	--	--	--	--
15...	0800	1.8	358	--	23.5	1.2	--	--	--	--
15...	0900	1.9	360	6.6	23.6	1.9	--	--	--	--
15...	1000	1.9	363	--	24.0	2.5	--	--	--	--
15...	1100	1.9	366	--	24.5	3.3	--	--	--	--
15...	1200	1.9	370	6.8	24.4	4.6	23	57	B9	370
15...	1300	1.9	368	--	25.0	6.0	--	--	--	--
15...	1400	2.0	367	--	25.5	6.7	--	--	--	--
15...	1500	2.1	365	7.3	25.5	7.4	--	--	--	--
15...	1600	2.1	364	--	26.0	7.7	--	--	--	--
15...	1700	2.1	363	--	26.0	7.5	--	--	--	--
15...	1800	2.2	362	--	26.0	6.7	--	--	--	--
15...	1830	2.2	360	7.1	25.5	6.2	22	52	100	480
15...	1900	2.2	370	--	25.5	6.1	--	--	--	--
15...	2000	2.2	375	--	25.5	5.5	--	--	--	--
15...	2100	2.2	380	7.2	25.0	4.9	--	--	--	--
15...	2200	2.2	386	--	25.0	4.1	--	--	--	--
15...	2300	2.1	388	--	25.0	3.4	--	--	--	--
15...	2400	2.1	390	7.2	24.0	2.8	21	53	120	420
16...	0100	2.1	390	--	24.5	2.4	--	--	--	--
16...	0200	2.0	390	--	24.5	2.1	--	--	--	--
16...	0300	1.9	390	7.1	24.0	1.9	--	--	--	--
16...	0400	1.9	390	--	24.5	1.6	--	--	--	--
16...	0500	1.9	390	--	24.0	1.4	--	--	--	--
16...	0600	1.8	390	--	24.0	1.2	--	--	--	--
16...	0645	1.8	400	6.6	23.6	1.0	18	40	230	580
16...	0700	1.8	395	--	24.0	.9	--	--	--	--
16...	0800	1.8	395	--	24.0	.9	--	--	--	--
16...	0900	1.8	395	--	24.0	1.2	--	--	--	--
16...	0945	1.8	395	7.0	24.2	1.6	--	--	--	--
16...	1000	1.8	395	--	24.0	1.7	--	--	--	--
16...	1100	2.0	372	--	24.0	1.7	--	--	--	--
16...	1200	2.4	356	--	24.0	1.7	--	--	--	--
16...	1230	2.8	400	6.8	23.5	1.7	20	50	H7000	H1400
16...	1300	3.0	332	--	24.0	1.8	--	--	--	--
16...	1400	3.4	339	--	24.0	2.2	--	--	--	--
16...	1500	3.9	355	--	24.0	2.6	--	--	--	--
16...	1600	4.4	385	7.3	24.0	3.0	--	--	--	--
16...	1700	7.5	360	--	24.0	2.6	--	--	--	--
16...	1800	11	400	7.1	23.0	2.3	18	49	H5000	H3700
16...	1900	11	370	--	24.0	2.0	--	--	--	--
16...	2000	11	375	--	23.5	1.8	--	--	--	--
16...	2100	12	400	7.1	23.0	1.5	--	--	--	--
16...	2200	12	387	--	24.0	1.5	--	--	--	--
16...	2300	11	386	--	24.0	1.6	--	--	--	--
16...	2400	11	420	7.2	23.0	1.6	20	54	H4300	H4000
17...	0100	11	387	--	24.0	1.5	--	--	--	--
17...	0200	10	389	--	24.0	1.4	--	--	--	--
17...	0300	9.9	405	7.3	23.0	1.3	--	--	--	--
17...	0400	9.5	382	--	23.5	1.1	--	--	--	--
17...	0500	9.1	379	--	23.5	.9	--	--	--	--
17...	0600	8.4	379	--	23.5	.8	--	--	--	--
17...	0645	8.4	395	6.9	23.2	.7	16	48	H6700	F4000

BEAR AND BATCHELOR CREEKS--CONTINUED

07289587 - BEAR CREEK NR MILL TOWN, MS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

		INSTAN- TANECUS DIS- CHARGE (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	BIO- CHEM- ICAL OXYGEN DEMAND 30 DAY (MG/L)	FECAL COLI- FORM (COL. PER 100 ML)	STREP- TOCOCCI (COL- ONIES PER 100 ML)	
JUN											
17...	0700	8.3	376	--	23.5	.7	--	--	--	--	
17...	0800	7.9	369	--	23.5	.6	--	--	--	--	
17...	0900	7.4	359	--	23.5	.6	--	--	--	--	
17...	0910	7.3	370	7.0	23.0	.6	--	--	--	--	
17...	1000	7.1	349	--	23.5	.7	--	--	--	--	
17...	1100	7.8	341	--	23.5	.9	--	--	--	--	
17...	1200	6.5	350	6.9	23.8	1.0	17	54	E26000	2900	
17...	1300	6.2	332	--	24.0	1.2	--	--	--	--	
17...	1400	5.9	331	--	24.0	1.5	--	--	--	--	
17...	1500	5.7	334	--	24.5	2.1	--	--	--	--	
17...	1515	5.6	340	7.0	24.5	2.3	--	--	--	--	
17...	1600	5.5	341	--	24.5	2.5	--	--	--	--	
17...	1700	5.3	349	--	25.0	3.0	--	--	--	--	
17...	1800	5.2	360	7.1	25.0	3.3	16	50	B7700	--	
17...	1900	5.1	360	--	25.0	3.3	--	--	--	--	
17...	2000	5.1	367	--	25.0	2.6	--	--	--	--	
17...	2100	5.0	380	7.0	24.5	2.0	--	--	--	--	
17...	2200	5.0	379	--	24.5	1.7	--	--	--	--	
17...	2300	4.9	385	--	24.5	1.5	--	--	--	--	
17...	2400	4.8	400	7.0	24.0	1.4	15	46	1500	--	
18...	0100	4.8	357	--	24.5	1.3	--	--	--	--	
18...	0200	4.7	400	--	24.5	1.3	--	--	--	--	
18...	0300	4.6	404	--	24.5	1.2	--	--	--	--	
18...	0400	4.5	407	--	24.5	1.2	--	--	--	--	
18...	0500	4.4	409	--	24.5	1.2	--	--	--	--	
18...	0600	4.3	410	--	24.5	1.2	--	--	--	--	
18...	0700	4.2	411	--	24.5	1.3	--	--	--	--	
18...	0800	4.1	412	--	24.5	1.4	--	--	--	--	
18...	0900	4.0	410	--	24.5	1.6	--	--	--	--	
18...	0930	4.0	405	7.0	24.0	1.7	--	--	--	--	
TOTAL											
DATE	TIME	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N03) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL ORTHO PHOS- PHORUS (P) (MG/L)
JUN											
15...	0615	.59	.05	.64	1.7	2.3	4.0	4.6	21	1.5	1.1
15...	1200	.62	.05	.67	1.6	2.9	4.5	5.2	23	1.6	1.1
15...	1830	.68	.07	.75	1.1	2.9	4.0	4.8	21	1.6	1.1
15...	2400	.61	.05	.67	1.4	2.3	3.7	4.4	19	1.7	1.1
16...	0645	.41	.05	.46	1.9	2.5	4.4	4.9	22	1.8	1.3
16...	1230	.41	.07	.48	2.2	2.7	4.9	5.4	24	1.9	1.3
16...	1800	.25	.03	.28	2.1	2.2	4.3	4.6	20	2.0	1.4
16...	2400	.14	.06	.20	2.4	1.3	3.7	3.9	17	2.2	1.4
17...	0645	.11	.03	.14	2.5	1.9	4.4	4.5	20	1.8	1.2
17...	1200	.09	.09	.18	2.4	2.7	5.1	5.3	23	1.8	1.1
17...	1800	.30	.05	.36	3.0	2.2	5.2	5.6	25	2.1	1.5
17...	2400	.26	.04	.30	3.7	2.0	5.7	6.0	27	2.2	1.8

BEAR AND BATCHELOR CREEKS--CONTINUED

07285608 - BATCHELOR CREEK NR MILL TOWN, MS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	TIME	INSTANTANEOUS DIS- CHARGE (CFS)	SPECIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM (COL. PER 100 ML)	STREP- TOCOCOCCI (COL- ONIES PER 100 ML)
JUN									
16...	0615	.12	460	7.2	24.0	.8	28	1500	860
16...	0915	.12	440	7.7	25.2	8.8	--	--	--
16...	1200	.27	240	7.3	25.0	5.6	38	E10000	--
16...	1530	1.7	255	7.0	25.0	5.9	--	--	--
16...	1850	.31	250	7.4	25.5	6.2	18	E17000	E10000
16...	2140	.23	315	7.4	24.0	4.2	--	--	--
17...	0030	.21	340	7.3	23.5	3.7	20	E26000	E13000
17...	0330	.21	360	7.5	22.5	4.0	--	--	--
17...	0615	.15	380	6.7	22.5	3.2	23	R5300	E10000

DATE	TIME	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRATE PLUS NITRITE (N) (MG/L)	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL ORTHO PHOS- PHORUS (P) (MG/L)
JUN											
16...	0615	.00	.01	.01	.29	6.3	6.6	6.6	29	4.7	4.3
16...	1200	.11	.27	.38	.03	4.0	4.0	4.4	19	1.3	.63
16...	1850	.11	.10	.21	.07	2.5	2.6	2.8	12	1.2	.85
17...	0030	.01	.04	.05	.44	3.6	4.0	4.1	18	2.4	1.9
17...	0615	.01	.02	.03	.89	4.8	5.7	5.7	25	3.3	2.9

07285615 - BATCHELOR CREEK NR CANTON, MS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	TIME	INSTANTANEOUS DIS- CHARGE (CFS)	SPECIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	BIO- CHEM- ICAL OXYGEN DEMAND 30 DAY (MG/L)	FECAL COLI- FORM (COL. PER 100 ML)	STREP- TOCOCOCCI (COL- ONIES PER 100 ML)
JUN										
16...	0630	.56	600	7.4	23.2	2.6	27	90	220	330
16...	0930	.56	570	8.0	26.0	10.4	--	--	--	--
16...	1215	1.9	425	7.2	24.5	4.0	>21	72	E26000	E13000
16...	1545	1.8	205	7.0	25.0	4.1	--	--	--	--
16...	1830	1.0	265	7.6	25.5	4.4	>18	58	E26000	E10000
16...	2120	.73	325	7.1	24.0	4.0	--	--	--	--
17...	0015	.66	325	7.4	23.5	4.0	>18	43	H/200	H4200
17...	0315	.59	340	7.4	22.0	4.6	--	--	--	--
17...	0630	.56	360	6.9	22.5	4.0	15	41	H3300	H4300

DATE	TIME	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRATE PLUS NITRITE (N) (MG/L)	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL ORTHO PHOS- PHORUS (P) (MG/L)
JUN											
16...	0630	.00	.01	.01	.61	6.1	6.7	6.7	30	4.4	3.8
16...	1215	.00	.03	.03	.13	4.9	5.0	5.0	22	2.9	2.2
16...	1830	.19	.07	.26	.30	3.1	3.4	3.7	16	1.0	.69
17...	0015	.11	.06	.17	.41	2.2	2.6	2.8	12	1.0	.79
17...	0630	.03	.05	.09	.56	2.0	2.6	2.7	12	1.4	1.2

ST. CATHERINE CREEK

An intensive study of the quality of water in St. Catherine Creek in the Natchez, Mississippi area was made October 6-10, 1975. Water samples were collected at 6 sites on St. Catherine Creek and 1 site on Spanish Bayou near Natchez. Listed below are site locations and field and laboratory water quality determinations made during the study.

07290493 - ST. CATHERINE CREEK AT WASHINGTON, MS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	TIME	INSTANTANEOUS DIS-CHARGE (CFS)	SPECIFIC CONDUCTANCE (MICRO-MHOS)	PH (UNITS)	TEMPERATURE (DEG C)	DISSOLVED OXYGEN (MG/L)	BIO-CHEMICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLIFORM (COL. PER 100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)
OCT									
08...	0745	2.0	410	8.0	15.2	10.1	--	--	--
08...	0945	2.0	390	8.0	19.0	10.4	--	--	--
08...	1240	2.0	400	8.4	27.0	8.8	2.5	<10	300
08...	1530	2.0	380	8.4	29.0	8.3	--	--	--
08...	1830	1.9	380	8.0	24.0	6.9	1.4	B79	340
08...	2200	1.9	400	7.9	21.0	8.1	--	--	--
09...	0030	2.0	400	7.7	18.0	8.4	.8	B129	650
09...	0345	1.9	390	7.8	18.0	8.2	--	--	--
09...	0745	1.9	400	7.9	15.6	8.3	.9	B35	520

DATE	TIME	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRATE PLUS NITRITE (N) (MG/L)	TOTAL AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	TOTAL ORTHO PHOSPHORUS (P) (MG/L)
OCT											
08...	1240	.00	.00	.00	.00	.10	.10	.10	.44	.09	.07
08...	1830	.00	.00	.00	.00	.11	.11	.11	.49	.08	.07
09...	0030	.00	.00	.00	.00	.08	.08	.08	.35	.08	.07
09...	0745	.00	.00	.00	.00	.15	.15	.15	.66	.08	.06

07290495 - ST. CATHERINE CREEK AT FOSTER, MS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	TIME	INSTANTANEOUS DIS-CHARGE (CFS)	SPECIFIC CONDUCTANCE (MICRO-MHOS)	PH (UNITS)	TEMPERATURE (DEG C)	DISSOLVED OXYGEN (MG/L)	BIO-CHEMICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLIFORM (COL. PER 100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)
OCT									
07...	0100	--	460	--	18.5	--	--	--	--
07...	0200	--	460	--	18.5	--	--	--	--
07...	0300	--	462	--	18.5	--	--	--	--
07...	0400	--	462	--	18.5	--	--	--	--
07...	0500	--	462	--	18.5	--	--	--	--
07...	0600	--	462	--	18.5	--	--	--	--
07...	0700	2.4	441	7.8	18.2	8.5	--	--	--
07...	0800	2.4	460	--	18.0	8.5	--	--	--
07...	0900	2.4	460	--	18.0	8.6	--	--	--
07...	1000	2.4	468	8.0	18.6	8.7	--	--	--
07...	1100	2.4	470	--	19.0	9.0	--	--	--
07...	1200	2.4	470	--	20.0	9.3	--	--	--
07...	1300	2.4	460	8.2	20.5	9.4	1.0	300	660
07...	1400	2.4	450	--	23.0	9.4	--	--	--
07...	1500	2.4	440	--	24.0	9.2	--	--	--
07...	1530	2.4	440	8.3	24.0	9.1	--	--	--
07...	1600	2.4	440	--	24.0	9.0	--	--	--
07...	1700	2.3	440	--	24.0	8.8	--	--	--
07...	1800	2.1	450	8.3	23.5	8.7	.9	B100	500
07...	1900	2.1	460	--	23.0	8.3	--	--	--
07...	2000	2.1	470	--	22.5	8.1	--	--	--
07...	2100	2.1	480	8.1	21.0	8.7	--	--	--
07...	2200	2.1	470	--	20.5	8.1	--	--	--
07...	2300	2.2	470	--	20.0	8.3	--	--	--
07...	2400	2.2	460	--	19.5	8.5	--	--	--
08...	0010	2.2	460	7.9	19.0	9.0	.9	B550	2800

ST. CATHERINE CREEK--CONTINUED

07290895 - ST. CATHERINE CREEK AT FOSTER, MS.

WATER QUALITY DATA: WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	TIME	INSTAN- TANEOUS DIS- CHARGE (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM (COL. PER 100 ML)	STREP- TOCOCCI (COL- ONIES PER 100 ML)
OCT									
08...	0100	2.2	460	--	19.0	8.6	--	--	--
08...	0200	2.2	450	--	18.5	8.8	--	--	--
08...	0300	2.2	450	--	18.0	9.0	--	--	--
08...	0305	2.2	450	8.0	17.5	9.5	--	--	--
08...	0400	2.2	450	--	17.0	9.1	--	--	--
08...	0500	2.2	450	--	16.5	9.3	--	--	--
08...	0600	2.2	450	--	16.0	9.4	--	--	--
08...	0700	2.2	450	--	16.0	9.6	--	--	--
08...	0800	2.2	440	8.1	15.8	9.6	1.3	270	750
08...	0900	2.2	450	--	16.0	9.9	--	--	--
08...	1000	2.2	460	8.1	17.0	10.0	--	--	--
08...	1100	2.2	460	--	18.5	9.8	--	--	--
08...	1200	2.3	460	--	21.0	9.6	--	--	--
08...	1250	2.3	460	8.4	22.2	9.4	.9	8120	480
08...	1300	2.3	460	--	23.0	9.4	--	--	--
08...	1400	2.3	460	--	25.0	9.3	--	--	--
08...	1500	2.3	460	--	26.5	9.0	--	--	--
08...	1545	2.3	450	8.3	27.0	8.6	--	--	--
08...	1600	2.3	450	--	27.0	8.6	--	--	--
08...	1700	2.2	445	--	26.5	8.1	--	--	--
08...	1800	2.2	440	--	26.0	7.9	--	--	--
08...	1845	2.2	440	8.3	24.0	7.8	1.2	300	640
08...	1900	2.2	440	--	24.0	7.8	--	--	--
08...	2000	2.2	430	--	23.0	8.0	--	--	--
08...	2100	2.2	410	--	22.0	8.2	--	--	--
08...	2145	2.2	400	8.0	20.0	8.7	--	--	--
08...	2200	2.2	400	--	21.0	8.5	--	--	--
08...	2300	2.2	410	--	19.5	8.4	--	--	--
08...	2400	2.2	420	--	18.5	8.2	--	--	--
09...	0100	2.2	450	8.0	19.0	8.3	3.6	350	870
09...	0200	2.2	455	--	17.5	8.4	--	--	--
09...	0300	2.2	460	--	17.0	8.5	--	--	--
09...	0400	2.2	460	--	16.5	8.6	--	--	--
09...	0500	2.2	460	--	16.5	8.7	--	--	--
09...	0600	2.2	460	--	16.0	8.8	--	--	--
09...	0700	2.2	455	--	16.0	8.9	--	--	--
09...	0800	2.2	450	8.0	15.7	9.1	.9	220	920
09...	0900	2.2	460	--	16.0	9.4	--	--	--
09...	0945	2.2	470	8.1	16.8	9.8	--	--	--
09...	1000	2.2	470	--	17.0	9.8	--	--	--
09...	1100	2.2	460	--	18.0	10.0	--	--	--
09...	1200	2.2	450	8.0	18.0	10.1	.9	871	370
09...	1300	2.1	450	--	21.0	9.7	--	--	--
09...	1400	2.1	455	--	24.0	9.3	--	--	--
09...	1500	2.1	460	--	26.5	9.0	--	--	--
09...	1515	2.1	460	7.9	27.0	8.9	--	--	--
09...	1600	2.1	460	--	27.5	8.8	--	--	--
09...	1700	2.1	460	--	27.0	8.8	--	--	--
09...	1800	2.0	460	8.1	26.0	8.7	.6	864	410
09...	1900	2.0	460	--	25.0	8.5	--	--	--
09...	2000	2.0	450	--	24.5	8.4	--	--	--
09...	2100	2.0	450	8.0	24.0	8.3	--	--	--
09...	2200	2.0	450	--	23.0	8.3	--	--	--
09...	2300	2.0	460	--	21.5	8.4	--	--	--
09...	2400	2.1	460	--	20.5	8.5	--	--	--
10...	0010	2.1	460	8.1	20.0	8.5	3.3	680	1000
10...	0100	--	460	--	19.5	--	--	--	--
10...	0200	--	465	--	18.5	--	--	--	--
10...	0300	--	470	--	18.0	--	--	--	--
10...	0400	--	470	--	17.5	--	--	--	--
10...	0500	--	475	--	17.5	--	--	--	--
10...	0600	--	480	--	17.0	--	--	--	--
10...	0700	--	480	--	16.5	--	--	--	--
10...	0800	--	480	--	16.5	--	--	--	--

ST. CATHERINE CREEK--CONTINUED

07290895 - ST. CATHERINE CREEK AT FOSTER, MS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	TIME	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL ORTHO PHOS- PHORUS (P) (MG/L)
OCT											
07...	1300	.00	.00	.00	.00	.09	.09	.09	.40	.12	.09
07...	1400	.00	.00	.00	.00	.12	.12	.12	.53	.12	.09
04...	0010	.00	.00	.00	.00	.09	.09	.09	.40	.13	.10
04...	0800	.00	.00	.00	.00	.11	.11	.11	.49	.12	.09
04...	1250	.00	.00	.00	.00	.10	.10	.10	.44	.11	.09
04...	1945	.00	.00	.00	.00	.07	.07	.07	.31	.11	.09
09...	0100	.00	.00	.00	.03	.36	.39	.39	1.7	.13	.07
09...	0800	.00	.00	.00	.00	.09	.09	.09	.40	.11	.10
09...	1200	.00	.00	.00	.00	.06	.06	.06	.27	.10	.09
09...	1800	.00	.00	.00	.00	.12	.12	.12	.53	.08	.09
10...	0010	.02	.00	.02	.00	.36	.36	.38	1.7	.10	.07

07290897 - ST. CATHERINE CREEK AT NATCHEZ, MS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	TIME	INSTAN- TANEOUS DIS- CHARGE (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM (COL. PER 100 ML)	STREP- TOCOCCI (COL- ONIES PER 100 ML)
OCT									
08...	0815	.61	680	7.3	18.0	6.2	--	--	--
08...	1015	.61	660	7.5	21.0	9.2	--	--	--
08...	1305	.67	500	7.8	26.0	12.0	2.7	<10	871
08...	1615	.67	660	7.7	25.8	11.0	--	--	--
08...	1900	.63	670	7.6	23.0	6.2	5.0	83800	850
08...	2220	.63	520	7.4	21.0	8.0	--	--	--
09...	0125	.67	650	7.3	19.0	4.9	4.7	870	690
09...	0410	.67	650	7.4	19.0	6.1	--	--	--
09...	0815	.49	670	7.5	17.8	4.6	3.1	2300	3100

DATE	TIME	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL ORTHO PHOS- PHORUS (P) (MG/L)
OCT											
08...	1305	.04	.06	.10	.13	.59	.72	.82	3.6	.22	.16
09...	0125	.14	.07	.21	.19	.55	.74	.95	4.2	.24	.20
09...	0815	.13	.07	.20	.21	.54	.75	.95	4.2	.23	.19

07290898 - ST. CATHERINE CREEK NR MORGANTOWN, MS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	TIME	INSTAN- TANEOUS DIS- CHARGE (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM (COL. PER 100 ML)	STREP- TOCOCCI (COL- ONIES PER 100 ML)
OCT									
08...	0715	3.4	2500	7.5	16.8	5.3	--	--	--
08...	1040	3.4	2500	7.5	19.8	12.0	--	--	--
08...	1320	4.0	2300	7.7	23.2	13.6	3.4	8160	210
08...	1630	4.0	2400	7.6	25.0	12.0	--	--	--
08...	1930	3.3	2400	7.6	21.0	7.4	2.9	8120	330
08...	2240	3.6	2500	7.5	21.0	7.9	--	--	--
09...	0200	3.8	2500	7.2	19.0	5.8	4.0	8100	600
09...	0435	3.6	2500	7.4	19.5	6.0	--	--	--
09...	0715	3.6	2500	7.4	17.0	4.8	2.1	410	560

ST. CATHERINE CREEK--CONTINUED

07290498 - ST. CATHERINE CREEK NR MORGANTOWN, MS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	TIME	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL ORTHO PHOS- PHORUS (P) (MG/L)
OCT											
08...	1320	.07	.03	.10	.06	.34	.40	.50	2.2	.23	.14
08...	1930	.07	.04	.11	--	--	--	--	--	--	.10
09...	0200	.10	.05	.15	.13	.46	.59	.74	3.3	.21	.14
09...	0715	.08	.06	.14	.14	.33	.47	.61	2.7	.22	.13

07290900 - ST. CATHERINE CREEK NR NATCHEZ, MS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	TIME	INSTAN- TANEOUS DIS- CHARGE (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM (COL. PER 100 ML)	STREP- TOCOCCI (COL- ONIES PER 100 ML)
OCT									
08...	0630	5.1	2100	7.8	17.2	8.0	--	--	--
08...	1100	5.2	2100	7.9	19.0	10.0	--	--	--
08...	1345	5.0	1600	8.1	24.0	10.4	1.8	87	670
08...	1645	5.1	2000	8.1	26.0	10.0	--	--	--
08...	2015	4.9	2000	8.1	23.0	7.8	1.6	230	8110
08...	2300	4.9	2000	7.9	22.0	7.4	--	--	--
09...	0230	5.0	2000	7.8	19.0	6.7	2.1	843	420
09...	0450	5.0	2000	7.8	19.0	6.8	--	--	--
09...	0630	5.0	2100	8.0	18.0	7.3	2.0	2400	1100

DATE	TIME	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL ORTHO PHOS- PHORUS (P) (MG/L)
OCT											
08...	1345	.00	.00	.00	.01	.20	.21	.21	.93	.14	.12
08...	2015	.00	.00	.00	.01	.32	.33	.33	1.5	.28	.13
09...	0230	.00	.00	.00	.06	.29	.35	.35	1.6	.14	.11
09...	0630	.00	.00	.00	.12	.24	.36	.36	1.6	.18	.13

07290912 - SPANISH HAYOU NR LINWOOD, MS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	TIME	INSTAN- TANEOUS DIS- CHARGE (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM (COL. PER 100 ML)	STREP- TOCOCCI (COL- ONIES PER 100 ML)
OCT									
08...	0845	3.3	570	7.9	18.2	5.6	--	--	--
08...	1110	3.3	550	8.0	19.0	7.8	--	--	--
08...	1400	3.4	550	8.0	21.0	6.8	4.9	1200	920
08...	1700	3.3	560	8.1	21.0	6.3	--	--	--
08...	2000	2.7	460	8.0	21.0	6.6	9.5	810000	990
08...	2315	2.8	470	8.0	20.0	6.3	--	--	--
09...	0245	3.0	520	7.9	19.5	6.9	3.0	3500	2100
09...	0510	3.0	500	7.9	20.0	6.8	--	--	--
09...	0645	2.9	560	8.0	18.8	7.5	2.4	2400	3200

ANALYSES OF SAMPLES COLLECTED DURING SHORT-TERM INTENSIVE STUDIES

ST. CATHERINE CREEK--CONTINUED

07290912 - SPANISH HAYOU NR LINWOOD, MS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	TIME	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL ORTHO PHOS- PHORUS (P) (MG/L)
OCT											
08...	1400	.00	.01	.00	.00	.23	.23	.23	1.0	.40	.33
08...	2000	.00	.00	.00	.00	.62	.62	.62	2.7	.38	.20
09...	0245	.00	.01	.01	.02	.37	.39	.40	1.8	.38	.26
09...	0645	.00	.01	.00	.00	.25	.25	.25	1.1	.35	.28

07290915 - ST. CATHERINE CREEK AT LINWOOD, MS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	TIME	INSTAN- TANEOUS DIS- CHARGE (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM (COL. PER 100 ML)	STREP- TOCOCCI (COL- ONIES PER 100 ML)
OCT									
06...	1800	--	1610	--	20.5	--	--	--	--
06...	1900	--	1590	--	20.0	--	--	--	--
06...	2000	--	1640	--	20.0	--	--	--	--
06...	2100	--	1750	--	20.0	--	--	--	--
06...	2200	--	1870	--	19.5	--	--	--	--
06...	2300	--	1980	--	19.5	--	--	--	--
06...	2400	--	2060	--	19.5	--	--	--	--
07...	0100	--	2090	--	19.5	--	--	--	--
07...	0200	--	2110	--	19.5	--	--	--	--
07...	0300	--	2110	--	19.5	--	--	--	--
07...	0400	--	2140	--	19.0	--	--	--	--
07...	0500	--	2140	--	19.0	--	--	--	--
07...	0500	3.9	2140	--	19.0	7.8	--	--	--
07...	0615	4.3	2100	7.7	19.0	7.8	--	--	--
07...	0700	5.6	2140	--	18.5	7.6	--	--	--
07...	0800	7.1	2110	--	18.5	7.5	--	--	--
07...	0900	8.5	621	--	18.5	7.5	--	--	--
07...	0915	8.6	630	7.8	18.5	7.5	--	--	--
07...	1000	7.8	662	--	19.0	7.6	--	--	--
07...	1100	7.0	836	--	19.5	7.9	--	--	--
07...	1200	6.2	594	--	20.0	8.1	--	--	--
07...	1215	6.0	1050	7.9	20.1	8.2	2.2	460	550
07...	1300	5.8	1170	--	22.0	8.6	--	--	--
07...	1400	5.6	1230	--	23.5	9.1	--	--	--
07...	1500	5.4	1250	8.0	24.0	9.3	--	--	--
07...	1600	5.3	1290	--	24.0	9.2	--	--	--
07...	1700	5.0	1320	--	23.5	9.0	--	--	--
07...	1800	4.6	1360	--	23.5	8.5	--	--	--
07...	1840	4.4	1325	8.1	23.0	8.0	3.1	B57	270
07...	1900	4.4	1400	--	22.5	8.0	--	--	--
07...	2000	4.3	1420	--	22.5	8.0	--	--	--
07...	2100	4.1	1420	--	22.0	8.0	--	--	--
07...	2130	4.1	1400	8.0	21.0	8.0	--	--	--
07...	2200	4.2	1430	--	21.0	8.0	--	--	--
07...	2300	4.3	1430	--	21.0	8.1	--	--	--
07...	2400	4.4	1450	--	20.0	8.1	--	--	--
08...	0050	4.6	1400	7.8	19.5	8.2	3.0	B43	340
08...	0100	4.6	1460	--	19.5	8.2	--	--	--
08...	0200	4.7	1460	--	19.5	8.2	--	--	--
08...	0300	4.8	1460	--	19.0	8.3	--	--	--
08...	0345	4.8	1350	8.0	18.0	8.3	--	--	--
08...	0400	4.8	1480	--	18.5	8.3	--	--	--
08...	0500	4.7	1480	--	18.5	8.3	--	--	--
08...	0600	4.6	1490	--	18.0	8.3	--	--	--
08...	0645	4.6	1400	8.0	17.0	8.3	3.9	2000	260
08...	0700	4.6	1490	--	17.5	8.3	--	--	--
08...	0800	4.6	1480	--	17.5	8.3	--	--	--
08...	0900	4.6	1480	--	18.0	8.6	--	--	--
08...	1000	4.6	1460	--	19.0	8.9	--	--	--
08...	1100	4.6	1460	--	21.0	9.2	--	--	--
08...	1130	4.6	1450	8.1	21.0	9.3	--	--	--

ST. CATHERINE CREEK--CONTINUED

07290915 - ST. CATHERINE CREEK AT LINWOOD, MS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	TIME	INSTANTANEOUS DTS- CHARGE (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM (COL. PER 100 ML)	STREP- TOCOCCI (COL- ONIES PER 100 ML)
OCT									
08...	1200	4.7	1450	--	22.0	9.3	--	--	--
08...	1300	5.0	1430	--	23.5	9.4	--	--	--
08...	1400	5.3	1450	--	25.0	9.5	--	--	--
08...	1415	5.3	1400	8.2	25.0	9.5	2.1	B280	250
08...	1500	5.3	1380	--	26.0	9.6	--	--	--
08...	1600	5.3	1370	--	26.5	9.5	--	--	--
08...	1700	5.3	1370	--	26.0	9.4	--	--	--
08...	1715	5.3	1350	8.3	25.8	9.3	--	--	--
08...	1800	5.1	1410	--	25.0	9.0	--	--	--
08...	1900	5.0	1430	--	24.0	8.6	--	--	--
08...	2000	5.0	1450	--	23.5	8.4	--	--	--
08...	2030	4.6	1400	8.1	23.0	8.4	2.6	1400	240
08...	2100	4.6	1450	--	22.5	8.3	--	--	--
08...	2200	4.6	1430	--	22.0	8.3	--	--	--
08...	2300	4.6	1410	--	21.0	8.2	--	--	--
08...	2345	4.6	1250	8.0	20.0	8.1	--	--	--
08...	2400	4.6	1400	--	20.5	8.1	--	--	--
09...	0100	4.8	1380	--	20.0	7.9	--	--	--
09...	0200	4.9	1400	--	19.5	7.7	--	--	--
09...	0300	5.0	1300	7.9	18.5	7.6	4.6	B13000	730
09...	0400	5.0	1400	--	18.5	7.6	--	--	--
09...	0500	5.1	1400	--	18.5	7.6	--	--	--
09...	0600	5.2	1400	--	18.5	7.7	--	--	--
09...	0700	5.3	1350	7.9	18.0	7.7	2.8	3600	600
09...	0800	5.3	1380	--	18.0	7.8	--	--	--
09...	0900	5.3	1320	--	18.5	8.1	--	--	--
09...	0915	5.3	1300	8.0	19.0	8.2	--	--	--
09...	1000	5.3	1280	--	19.5	8.4	--	--	--
09...	1100	5.3	1270	--	21.5	8.7	--	--	--
09...	1130	5.3	1300	7.9	22.0	8.9	1.7	1800	B86
09...	1200	5.2	1310	--	23.0	9.0	--	--	--
09...	1300	5.1	1360	--	24.5	9.3	--	--	--
09...	1400	5.0	1380	--	26.0	9.5	--	--	--
09...	1500	4.9	1430	--	26.5	9.6	--	--	--
09...	1545	4.8	1400	8.0	27.0	9.7	--	--	--
09...	1600	4.8	1460	--	27.0	9.8	--	--	--
09...	1700	4.7	1480	--	26.5	9.7	--	--	--
09...	1800	4.6	1480	--	26.0	9.6	--	--	--
09...	1830	4.6	1450	8.0	25.5	9.6	1.4	390	B50
09...	1900	4.6	1450	--	25.0	9.5	--	--	--
09...	2000	4.7	1430	--	24.0	9.3	--	--	--
09...	2100	4.7	1400	--	23.0	9.1	--	--	--
09...	2130	4.9	1400	8.0	22.5	8.9	--	--	--
09...	2200	4.9	1370	--	22.5	8.9	--	--	--
09...	2300	4.9	1360	--	22.0	8.8	--	--	--
09...	2400	4.9	1370	--	21.5	8.7	--	--	--
10...	0030	5.0	1400	8.0	21.0	8.7	2.6	280	250
10...	0100	--	1370	--	20.5	--	--	--	--
10...	0200	--	1370	--	20.0	--	--	--	--
10...	0300	--	1370	--	19.5	--	--	--	--
10...	0400	--	1370	--	19.0	--	--	--	--
10...	0500	--	1380	--	19.0	--	--	--	--
10...	0600	--	1370	--	18.5	--	--	--	--
10...	0700	--	1370	--	18.5	--	--	--	--
10...	0800	--	1350	--	18.5	--	--	--	--
10...	0900	--	1280	--	19.0	--	--	--	--
10...	1000	--	957	--	21.5	--	--	--	--

DATE	TIME	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL ORTHO PHOS- PHORUS (P) (MG/L)
OCT											
07...	1215	.01	.00	.01	.03	.22	.25	.26	1.2	.46	.38
07...	1840	.01	.00	.01	.10	.44	.54	.55	2.4	.40	.33
08...	0050	.00	.01	.01	.20	.75	.95	.96	4.3	.38	.27
08...	0645	.00	.00	.00	.00	.19	.19	.19	.84	.30	.24
08...	1415	.00	.00	.00	.00	.17	.17	.17	.75	.28	.22
08...	2030	.00	.00	.00	.02	.28	.30	.30	1.3	.29	.24
09...	0300	.00	.00	.00	.05	.31	.36	.36	1.6	.33	.23
09...	0700	.00	.00	.00	.00	.22	.22	.22	.97	.32	.24
09...	1130	.00	.00	.00	.01	.26	.27	.27	1.2	.31	.25
09...	1830	.00	.00	.00	.00	.17	.17	.17	.75	.25	.22
10...	0030	.00	.00	.00	.03	.26	.29	.29	1.3	.29	.24

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) north-east 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) above mean sea level. 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, 97.30 ft (29.66 m) below land-surface datum, June 5, 1975.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 29	89.50	JAN 19	96.98	MAR 22	93.85	JULY 6	93.79

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) above mean sea level. 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 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 29	68.8	JAN 19	68.0	MAR 23	67.3	MAY 25	67.8
DEC 9	68.8	MAR 4	67.8	APR 13	67.4	AUG 17	68.8

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) above mean sea level. 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 September 1976.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 13.04 ft (3.97 m) below land-surface datum, May 20, 1964; lowest measured, 38.58 ft (11.76 m) below land-surface datum, Jan. 28, 1964.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 to SEPTEMBER 1976

DATE	WATER LEVEL
MAR 23	17.62

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) above mean sea level. 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, 55.40 ft (16.89 m) below land-surface datum, Mar. 23, 1976; 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 1975 to SEPTEMBER 1976

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 29	58.20	MAR 23	55.40

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) above mean sea level. 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, 164.55 ft (50.15 m) below land-surface datum, Mar. 23, 1976.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 29	164.20	MAR 23	164.55

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) above mean sea level. 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 September 1976.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 165.00 ft (50.29 m) below land-surface datum, Aug. 16, 1974; lowest measured, 171.35 ft (52.23 m) below land-surface datum, Mar. 23, 1976.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL
MAR 23	171.35

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) above mean sea level. 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 September 1976.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.60 ft (1.71 m) below land-surface datum, Sept. 27, 1961; lowest measured, 8.26 ft (2.52 m) below land-surface datum, Sept. 20, 1963.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 to SEPTEMBER 1976

DATE	WATER LEVEL
APR 7	6.55

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) above mean sea level. 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 1975 TO SEPTEMBER 1976
MINIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	---	---	---	177.2	---	---	---	184.4	183.5	177.3	192.5	196.5
10	---	---	---	---	---	---	190.0	183.8	185.2	176.5	194.6	189.4
15	---	---	---	---	---	---	189.4	185.9	184.5	178.8	197.3	186.7
20	---	---	---	---	---	---	183.8	182.7	186.6	181.6	199.8	191.9
25	---	---	---	---	---	---	184.9	187.5	187.1	188.0	199.8	196.1
EOM	---	---	---	---	---	---	186.2	184.5	183.7	190.7	200.0	194.4

ALCORN COUNTY--Continued

345604088321901. 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) above mean sea level. 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 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 22	183.46	FEB 26	182.03	MAR 16	184.87	APR 7	181.75

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) above mean sea level. 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, 107.45 ft (32.75 m) below land-surface datum, Apr. 7, 1976.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 9	107.40	APR 7	107.45

344642088333001. 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) above mean sea level. 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, 40.75 ft (12.42 m) below land-surface datum, Oct. 22, 1975.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 22	40.75	APR 7	39.44

ATTALA COUNTY

330713089365402. 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) above mean sea level. 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 September 1976.

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.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL	DATE	WATER LEVEL
MAR 31	37.90	APR 22	38.59

ATTALA COUNTY--Continued

330713089365401. Local number, G2.

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.--Sand of Tallahatta Formation of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 2 in (5.1 cm), depth 140 ft (43 m).

DATUM.--Land-surface datum is about 360 ft (110 m) above mean sea level. Measuring point: Top of casing, at land-surface datum.

PERIOD OF RECORD.--September 1957 to February 1959, June 1962 to January 1963, October 1975 to September 1976.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 8.47 ft (2.58 m) below land-surface datum, Feb. 27, 1959; lowest measured, 10.97 ft (3.34 m) below land-surface datum, June 10, 1962.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL
APR 22	10.30

330713089365302. 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 domestic artesian well, diameter 30 in (76 cm), depth 22 ft (6.7 m).

DATUM.--Land-surface datum is about 361 ft (110 m) above mean sea level. 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 September 1976.

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 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL	DATE	WATER LEVEL
MAR 31	8.94	APR 22	10.96

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) above mean sea level. 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, 1.27 ft (0.39 m) above land-surface datum, May 22, 1975.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL
APR 22	1.40

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) above mean sea level. 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 September 1976.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 107.10 ft (32.64 m) below land-surface datum, Mar. 13, 1962; lowest measured, 122.28 ft (37.27 m) below land-surface datum, Jan. 14, 1976.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 14	122.28	APR 22	119.31

ATTALA COUNTY--Continued

330304089364501. Local number, M9.

LOCATION.--Lat 33°03'04", long 89°36'45", Hydrologic Unit 03180001, SW¼SW¼ sec.20, T.14 N., R.7 E., 1 mi (1.6 km) west of center of Kosciusko on Apanaug Rd.

Owner: United Warehouse Co.

AQUIFER.--Meridian Sand Member of Tallahatta Formation of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 10 in (25 cm), depth 428 ft (130 m), cased to 361 ft (110 m).

DATUM.--Land-surface datum is about 443 ft (135 m) above mean sea level. Measuring point: Air vent in pump base, at land-surface datum.

PERIOD OF RECORD.--1962.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 124.30 ft (37.89 m) below land-surface datum, Apr. 10, 1962; lowest measured, 128.26 ft (39.09 m) below land-surface datum, May 23, 1962.

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) above mean sea level. 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 September 1976.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 148.70 ft (45.32 m) below land-surface datum, Mar. 13, 1962; lowest measured, 162.40 ft (49.50 m) below land-surface datum, Jan. 14, 1976.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 14	162.40	APR 22	161.15

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) above mean sea level. 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 September 1976.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 20.86 ft (6.36 m) below land-surface datum, Mar. 12, 1959; lowest measured, 21.94 ft (6.69 m) below land-surface datum, Apr. 22, 1976.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL
APR 22	21.94

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) above mean sea level. 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 September 1976.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.37 ft (0.11 m) below land-surface datum, Mar. 13, 1958; lowest measured, 3.32 ft (1.01 m) below land-surface datum, Apr. 22, 1976.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL
APR 22	3.32

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) above mean sea level. 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 September 1976.

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 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL
APR 29	97.20

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) above mean sea level. 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 September 1976.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 157 ft (48 m) below land-surface datum, Oct. 1961; lowest measured, 165.57 ft (50.47 m) below land-surface datum, Apr. 23, 1976.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL
APR 23	165.57

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 public-supply artesian well, diameter 12 in (30 cm), depth 1,575 ft (480 m).

DATUM.--Land-surface datum is 147 ft (45 m) above mean sea level. 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 September 1976.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.22 ft (0.07 m) above land-surface datum, Feb. 11, 1976; lowest measured, 0.17 ft (0.05 m) above land-surface datum, Apr. 1, 1976.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL	DATE	WATER LEVEL
FEB 11	0.22	APR 1	0.17

335558090465201. 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 pool-supply artesian well, diameter 4 in (10 cm), depth reported 409 ft (125 m).

DATUM.--Land-surface datum is about 150 ft (46 m) above mean sea level. 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 September 1976.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 24.18 ft (7.37 m) below land-surface datum, Feb. 11, 1976; lowest measured, 25 ft (7.6 m) below land-surface datum, September 1949.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL
FEB 11	24.18

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) above mean sea level. 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 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 3	21.13	APR 1	20.41

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) above mean sea level. Measuring point: ¼-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, 6.4 ft (2.0 m) above land-surface datum, Oct. 18, 1960.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL
APR 1	9.8

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) above mean sea level. 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, October 1975 to September 1976.

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 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL
APR 1	10.08

333959090435001. Local number, Q150.

LOCATION.--Lat 33°39'59", long 90°43'50", Hydrologic Unit 08030207, NE¼SE¼ 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) above mean sea level. 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, 3.41 ft (1.04 m) below land-surface datum, Apr. 1, 1976.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 10	2.64	FEB 11	3.35	APR 1	3.41

CALHOUN COUNTY

335118089175901 (formerly 335119089182801). Local number, K101.
 LOCATION.--Lat 33°51'18", long 89°17'59", Hydrologic Unit 08030205, NE¼SW¼ 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) above mean sea level. 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, 64.60 ft (19.69 m) below land-surface datum, June 6, 1974.

CHICKASAW COUNTY

335136089005301 (formerly 335140089005001). 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) above mean sea level. 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 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL
APR 9	63.60

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) above mean sea level. 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 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 28	22.55	NOV 17	20.50	JAN 12	21.20	APR 12	17.76	JUL 28	19.68

CLAIBORNE COUNTY

315718090591501. Local number, L5.
 LOCATION.--Lat 31°57'18", long 90°59'15", Hydrologic Unit 08060203, 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) above mean sea level. 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, 121.70 ft (37.09 m) below land-surface datum, Aug. 16, 1976.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 30	94.40	JAN 19	105.94	MAR 22	93.66	AUG 16	121.70

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) above mean sea level. 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, 191.05 ft (58.23 m) below land-surface datum, Aug. 27, 1976.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 30	183.15	APR 12	180.43	AUG 27	191.05
FEB 25	182.59	AUG 10	188.60	SEP 22	188.35

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) above mean sea level. 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 September 1976.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 11.0 ft (3.4 m) above land-surface datum, June 6, 1940; lowest measured, 43.03 ft (13.12 m) below land-surface datum, Aug. 31, 1976.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 30	37.59	APR 12	38.08	AUG 31	43.03

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) above mean sea level. 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, 52.38 ft (15.97 m) below land-surface datum, Sept. 22, 1976.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	50.90	JAN 14	51.20	APR 12	50.29	AUG 10	51.51	SEP 22	52.38

333722088382801. Local number, H50.

LOCATION.--Lat 33°37'22", long 88°38'28", Hydrologic Unit 03160104, SW¼SE¼ sec.2, T.17 S., R.6 E., 1 mi (1.6 km) northeast of center of West Point near well H46.

Owner: City of West Point.

AQUIFER.--Sand and gravel of Gordo Formation of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10 cm), depth 802 ft (244 m), cased to 782 ft (238 m).

DATUM.--Land-surface datum is about 240 ft (73 m) above mean sea level. Measuring point: Top of 2-in (5.1 cm) nipple in well head, 2.00 ft (0.61 m) above land-surface datum.

PERIOD OF RECORD.--October 1963, April 1965 to May 1968, April 1970 to April 1972, October 1974.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 26.10 ft (7.96 m) below land-surface datum, Apr. 11, 1972; lowest measured, 43.45 ft (13.24 m) below land-surface datum, Apr. 19, 1971.

Measurement discontinued. Well found to be plugged in 1976.

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 domestic 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) above mean sea level. 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, 4.0 ft (0.12 m) above land-surface datum, Apr. 2, 1976.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL
APR 2	4.0

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) above mean sea level. 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 September 1976.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 44.9 ft (13.7 m) above land-surface datum, June 24, 1940; lowest measured, 9.6 ft (2.9 m) above land-surface datum, Apr. 2, 1976.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL
APR 2	9.6

341719090304301. 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) above mean sea level. 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, 10.00 ft (3.05 m) below land-surface datum, Aug. 29, 1973.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL	DATE	WATER LEVEL
FEB 11	8.08	APR 2	8.03

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) above mean sea level. 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 September 1976.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 1.00 ft (0.30 m) below land-surface datum, Apr. 2, 1976; lowest measured, 1.00 ft (0.30 m) below land-surface datum, Apr. 2, 1976.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL
APR 2	1.00

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) above mean sea level. 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, 25.45 ft (7.76 m) below land-surface datum, Apr. 14, 1971.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL
APR 2	21.06

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) above mean sea level. 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.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL
APR 7	133.67

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) above mean sea level. Measuring point: Top of recorder house floor, 1.75 ft (0.53 m) above land-surface datum.

PERIOD OF RECORD.--December 1964, October 1975 to September 1976.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 21.07 ft (6.42 m) below land-surface datum, Dec. 21, 1964; lowest measured, 79.98 ft (24.38 m) below land-surface datum, Feb. 10, 1976.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB 10	79.98	FEB 19	78.99	APR 19	76.12	MAY 24	79.54

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) above mean sea level. 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, 23.06 ft (7.03 m) below land-surface datum, Apr. 19, 1976.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL
APR 19	23.06

FORREST COUNTY--Continued

311137089110501. 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) above mean sea level. 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 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 1	137.70	FEB 19	138.41	APR 19	137.54	SEP 2	139.82

310135089093101. Local number, L23.

LOCATION.--Lat 31°01'35", long 89°09'31", Hydrologic Unit 03170007, NW¼NW¼ sec.23, T.1 N., R.12 W., 3 mi (4.8 km) southeast of center of Brooklyn at Ash Nursery.

Owner: Ash Nursery.

AQUIFER.--Sand of Hattiesburg Formation of Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (15 cm), depth 720 ft (219 m), cased to 660 ft (201 m).

DATUM.--Land-surface datum is about 275 ft (84 m) above mean sea level. 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, 171.36 ft (52.23 m) below land-surface datum, Apr. 19, 1976.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL
APR 19	171.36

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) above mean sea level. 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 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL
MAR 22	19.89

GREENE COUNTY

311435088312201. Local number, M2.

LOCATION.--Lat 31°14'35", long 88°31'22", 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 Catahoula Sandstone 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) above mean sea level. 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, 16.0 ft (4.9 m) above land-surface datum, Apr. 20, 1976.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL
APR 20	16.0

GRENADA COUNTY

335016089471801. Local number, B103.

LOCATION.--Lat 33°01'16", long 89°47'18", Hydrologic Unit 08030205, NE $\frac{1}{4}$ NE $\frac{1}{4}$ 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) above mean sea level. 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 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 2	11.11	APR 6	17.55

334556089584501. Local number, F112.

LOCATION.--Lat 33°45'56", long 89°58'45", Hydrologic Unit 08030205, SE $\frac{1}{4}$ SE $\frac{1}{4}$ 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 age.

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) above mean sea level. 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, 8.0 ft (2.4 m) above land-surface datum, May 15, 1975.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL
APR 6	8.2

334128089441701. Local number, H111.

LOCATION.--Lat 33°41'28", long 89°44'17", Hydrologic Unit 08030205, SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.11, T.21 N., R.5 E., 1 mi (1.6 km) east of center of Elliot on west bank of Batuphan 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) above mean sea level. 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 September 1976.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 15.50 ft (4.72 m) above land-surface datum, Jan. 2, 1943; lowest measured, 3.15 ft (0.96 m) above land-surface datum, Feb. 11, 1976.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL	DATE	WATER LEVEL
FEB 11	3.15	APR 6	3.36

334147089433801. Local number, H113.

LOCATION.--Lat 33°41'47", long 89°43'38", Hydrologic Unit 08030205, NE $\frac{1}{4}$ SW $\frac{1}{4}$ 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) above mean sea level. 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 September 1976.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 7.39 ft (2.25 m) below land-surface datum, Apr. 6, 1976; 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 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL	DATE	WATER LEVEL
FEB 11	8.05	APR 6	7.39

GRENADA COUNTY--Continued

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) above mean sea level. 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 September 1976.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 2.10 ft (0.64 m) above land-surface datum, Sept. 19, 1942; lowest measured, 12.18 ft (3.71 m) below land-surface datum, Feb. 11, 1976.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL	DATE	WATER LEVEL
FEB 11	12.18	APR 6	11.27

HANCOCK COUNTY

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) above mean sea level. 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 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL
APR 1	13.1

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) above mean sea level. 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 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL
APR 1	9.8

302118089351503. Local number, H13.

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 491 ft (150 m), cased to 461 ft (141 m).

DATUM.--Land-surface datum is 21.2 ft (6.5 m) above mean sea level. 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 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL
APR 1	8.1

HANCOCK COUNTY--Continued

302118089351504. Local number, H14.

LOCATION.--Lat 30°21'18", long 89°35'15", Hydrologic Unit 03180004, NE¼ 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 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) above mean sea level. 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 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL
APR 1	3.92

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) above mean sea level. 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, 2.68 ft (0.82 m) below land-surface datum, Oct. 1, 1975.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL
OCT 1	2.68

HARRISON COUNTY

303110087070201. 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) above mean sea level. 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, 50.31 ft (15.33 m) below land-surface datum, Sept. 2, 1976.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 1	47.39	APR 2	47.48	SEP 2	50.31

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 Graham Ferry Formation of Pliocene 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) above mean sea level. 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, 29.79 ft (9.08 m) below land-surface datum, Sept. 2, 1976.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 1	27.18	FEB 5	24.04	APR 2	23.79	SEP 2	29.79

HARRISON COUNTY--Continued

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) above mean sea level. 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, 12.59 ft (3.84 m) below land-surface datum, Sept. 2, 1976.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 1	11.20	FEB 6	11.85	APR 2	11.86	SEP 2	12.59

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.

AQUIFER.--Sand of Graham Ferry Formation of Pliocene 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) above mean sea level. Measuring point: Top of casing, 1.70 ft (0.52 m) above land-surface datum.

PERIOD OF RECORD.--1939, June 1956 to November 1974.

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.

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 Graham Ferry Formation of Pliocene 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) above mean sea level. 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, 56.0 ft (17.07 m) below land-surface datum, May 7, 1976.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MINIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	^a 53.0	---	44.5	44.0	46.6	49.3	50.2	54.2	51.8	50.2	51.9	50.8
10	---	---	44.9	44.7	50.4	47.3	51.3	51.8	---	51.1	51.9	49.0
15	---	46.5	43.8	45.7	46.6	48.1	50.2	53.1	---	49.4	52.8	---
20	---	46.6	44.5	49.2	46.6	46.9	51.8	54.5	---	50.3	53.1	---
25	---	47.0	43.3	48.7	46.2	47.0	---	53.7	---	50.0	53.5	---
EOM	---	44.9	43.4	45.5	45.7	49.5	51.8	---	---	50.8	51.2	---

^a Tape measurement.

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 Miocene age.

WELL CHARACTERISTICS.--Drilled public-supply 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) above mean sea level. 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, 6.6 ft (2.0 m) above land-surface datum, Jan. 8, 1974.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL	DATE	WATER LEVEL
APR 19	7.0	SEP 2	7.0

HINDS COUNTY

322828090170501. Local number, C15.

LOCATION.--Lat 32°28'28", long 90°17'05", Hydrologic Unit 08060202, SW¼SE¼ sec.3, T.7 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) above mean sea level. 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, 100.30 ft (30.57 m) below land-surface datum, May 22, 1975.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL
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APR 29	100.30
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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) above mean sea level. 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 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL
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APR 27	113.16
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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) above mean sea level. 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, 282.13 ft (85.99 m) below land-surface datum, Aug. 24, 1976.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 22	274.19	DEC 22	277.75	FEB 20	276.25	APR 21	276.95	JUN 23	278.48	AUG 24	282.13
NOV 24	276.70	JAN 22	277.78	MAR 24	277.06	MAY 25	277.32	AUG 5	280.83	SEP 15	281.50

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) above mean sea level. 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, 251.48 ft (76.65 m) below land-surface datum, June 29, 1965.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 22	235.07	JAN 22	234.64	APR 21	234.05	AUG 5	237.33	SEP 15	237.90

HINDS COUNTY--Continued

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) above mean sea level. 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, 216.05 ft (65.85 m) below land-surface datum, July 11, 1972.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 22	209.45	DEC 22	210.26	FEB 20	210.02	APR 21	210.25	JUN 23	210.94	AUG 24	212.83
NOV 24	210.50	JAN 22	210.67	MAR 24	209.90	MAY 25	210.30	AUG 5	212.38	SEP 15	212.68

322021090114101. Local number, H43.

LOCATION.--Lat 32°20'21", long 90°11'41", Hydrologic Unit 03180002, NE¼NE¼ sec.28, 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) above mean sea level. 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, 245.92 ft (74.96 m) below land-surface datum, July 14, 1970.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 22	232.50	JAN 22	233.37	APR 21	232.59	AUG 5	236.66	SEP 15	237.05

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) above mean sea level. 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 measured, 146.55 ft (44.67 m) below land-surface datum, Aug. 5, 1976.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 22	145.50	JAN 22	145.75	APR 21	146.11	AUG 5	146.55

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) above mean sea level. 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, 195.95 ft (59.73 m) below land-surface datum, Aug. 24, 1976.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 22	191.05	DEC 22	191.80	FEB 20	191.30	APR 21	192.62	JUN 23	193.40	AUG 24	195.95
NOV 24	192.03	JAN 22	191.53	MAR 24	190.44	MAY 25	192.53	AUG 5	195.40	SEP 15	194.98

HINDS COUNTY--Continued

321521090245101. Local number, L5.

LOCATION.--Lat 32°15'21", long 90°24'51", Hydrologic Unit 08060202, NE¼NW¼ sec.20, T.5 N., R.2 W., 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) above mean sea level. 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, 205.09 ft (62.51 m) below land-surface datum, Sept. 1, 1960.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL
MAR 22	200.05

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) above mean sea level. 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, 262.77 ft (80.09 m) below land-surface datum, Sept. 15, 1976.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL	DATE	WATER LEVEL
APR 21	259.50	SEP 15	262.77

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 18 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) above mean sea level. 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, 190.70 ft (58.13 m) below land-surface datum, Oct. 30, 1975.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 30	190.70	MAR 22	190.69

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) above mean sea level. Measuring point: Top of tee at well head, at land-surface datum.

PERIOD OF RECORD.--October 1957, January 1959, April 1962, October 1975 to September 1976.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 2.90 ft (0.88 m) above land-surface datum, Jan. 12, 1959; lowest measured, 0.28 ft (0.09 m) above land-surface datum, Apr. 29, 1976.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL
APR 29	0.28

HOLMES COUNTY--Continued

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 public-supply 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) above mean sea level. 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 September 1976.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 139.6 ft (42.6 m) above land-surface datum, July 31, 1941; lowest measured, 93.7 ft (28.6 m) above land-surface datum, Nov. 12, 1970.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL
APR 29	94.0

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) above mean sea level. 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 September 1976.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6 ft (1.8 m) above land-surface datum, January 1957; lowest measured, 17.50 ft (5.33 m) below land-surface datum, Apr. 29, 1976.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 14	13.11	APR 29	17.50

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) above mean sea level. 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 September 1976.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.77 ft (2.06 m) above land-surface datum, Oct. 8, 1959; lowest measured, 6.75 ft (2.06 m) below land-surface datum, Apr. 29, 1976.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 14	6.55	APR 29	6.75

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) above mean sea level. 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, 64.0 ft (19.5 m) above land-surface datum, Mar. 2, 1976.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 10	65.0	NOV 10	67.0	MAR 2	64.0	APR 28	68.0

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) above mean sea level. Measuring point: Top of casing, 1.25 ft (0.38 m) above land-surface datum.

REMARKS.--Water levels affected by nearby pumping.

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 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 22	65.06	APR 8	56.05

JACKSON COUNTY

302454088493401 (formerly 302455088493501). 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) above mean sea level. 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, 55.58 ft (16.94 m) below land-surface datum, Apr. 20, 1976.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL
APR 20	55.58

302357088473801. Local number, N73.

LOCATION.--Lat 30°23'57", long 88°47'38", Hydrologic Unit 03170009, SE¼NW¼ sec.28, T.7 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) above mean sea level. 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, 48.61 ft (14.82 m) below land-surface datum, Apr. 20, 1976.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL
APR 20	48.61

302451088325901. Local number, P45.

LOCATION.--Lat 30°24'51", long 88°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) above mean sea level. 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, 49.17 ft (14.99 m) below land-surface datum, Apr. 20, 1976.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL
APR 20	49.17

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) above mean sea level. 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, 89.65 ft (27.33 m) below land-surface datum, June 8, 1976.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL
JUN 8	89.65

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) above mean sea level. 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, 69.63 ft (21.22 m) below land-surface datum, June 8, 1976.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL	DATE	WATER LEVEL
APR 20	66.06	JUN 8	69.63

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 Communny 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) above mean sea level. 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 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL
JUN 8	106.78

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) above mean sea level. 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 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL
JUN 8	99.37

JACKSON COUNTY--Continued

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) above mean sea level. 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 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL
APR 20	38.53

302028088294701 (formerly 302028088294001). Local number, Q106.

LOCATION.--Lat 30°20'28", long 88°29'47", Hydrologic Unit 03170009, SW¼SW¼ sec.16, T.8 S., R.5 W., 6 mi (9.7 km) southeast of center of Pascagoula on west side of State Highway 611 near Standard Oil Refinery.

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 reported 348 ft (106 m), screened 342-348 ft (104-106 m), cased to 342 ft (104 m).

DATUM.--Land-surface datum is about 4 ft (1.2 m) above mean sea level. Measuring point: Top of recorder house floor, 5.00 ft (1.52 m) above land-surface datum.

REMARKS.--Water levels affected by nearby pumping.

PERIOD OF RECORD.--September 1959 to July 1973, October 1974 to September 1975.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 41.38 ft (12.61 m) below land-surface datum, Nov. 7, 1959; lowest measured, 110.73 ft (33.75 m) below land-surface datum, June 12, 1975.

Well found to be plugged in 1976. Measurement discontinued.

302126088293801 (formerly 302132088293801). 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) south-east 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) above mean sea level. 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, 14.27 ft (4.35 m) below land-surface datum, June 7, 1976.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL
JUN 7	14.27

332103088294701. 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) above mean sea level. 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, 128.03 ft (39.02 m) below land-surface datum, Nov. 7, 1974; 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 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 5	129.90	JAN 28	135.90	APR 20	138.30	JUN 7	138.26	AUG 25	140.30

JEFFERSON COUNTY

314247091034201 (formerly 314240091034001). 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 Catahoula Sandstone 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) above mean sea level (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, 139.18 ft (42.42 m) below land-surface datum, Mar. 22, 1976.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL
MAR 22	139.18

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) above mean sea level. Measuring point: Top of recorder house floor, 2.00 ft (0.61 m) above land-surface datum.
 PERIOD OF RECORD.--December 1975 to current year.
 EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 119.6 ft (36.5 m) below land-surface datum, Feb. 23, 1976; lowest measured, 156.2 ft (47.6 m) below land-surface datum, July 26, 1976.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
 MINIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	---	---	---	126.1	124.6	120.8	---	127.0	132.4	133.4	141.2	145.9
10	---	---	---	133.8	126.2	---	126.3	127.2	131.0	137.5	144.0	142.4
15	---	---	---	130.5	123.6	---	126.8	130.0	136.2	133.0	149.3	144.6
20	---	---	---	130.7	122.1	---	130.4	129.0	134.6	146.4	146.8	145.2
25	---	---	---	130.0	120.0	---	126.7	131.6	133.2	149.0	147.0	150.4
EOM	---	---	125.9	127.2	121.4	---	126.6	131.2	136.4	141.5	141.3	146.6

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 Ave. 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) above mean sea level. Measuring point: 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 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
Oct 7	37.29	APR 21	37.99	SEP 7	35.65

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 center of Laurel at 6th Street and 14th Ave.
 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) above mean sea level. Measuring point: Top of recorder house floor, 2.00 ft (0.61 m) above land-surface datum.
 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, March 1964; lowest measured, 183.80 ft (56.02 m) below land-surface datum, July 27, 1976.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 7	180.90	FEB 5	178.00	APR 21	174.92	JUL 27	183.80
DEC 29	174.00	APR 7	174.00	JUN 15	176.85		

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) above mean sea level. Measuring point: Top of concrete base, 1.80 ft (0.55 m) above land-surface datum.

PERIOD OF RECORD.--October 1975 to September 1976.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 82.05 ft (25.01 m) below land-surface datum, Apr. 7, 1976; lowest measured, 82.05 ft (25.01 m) below land-surface datum, Apr. 7, 1976.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL
APR 7	82.05

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) above mean sea level. Measuring point: Top of concrete base, 1.00 ft (0.30 m) above land-surface datum.

PERIOD OF RECORD.--1962.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 82 ft (25 m) below land-surface datum, March 1962; lowest measured, 82 ft (25 m) below land-surface datum, March 1962.

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) above mean sea level. 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, 98.80 ft (30.11 m) below land-surface datum, Jan. 6, 1976, lowest measured, 108.10 ft (32.95 m) below land-surface datum, Aug. 31, 1973.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 6	98.80	APR 6	99.04	SEP 10	99.10

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) above mean sea level. 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, 247.95 ft (75.58 m) below land-surface datum, Aug. 26, 1976.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB	246.45	MAY 24	247.72	AUG 26	247.95

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 295 ft (90 m) above mean sea level. 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 September 1976.

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 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL	DATE	WATER LEVEL
APR 21	+1.45	SEP 9	-5.10

LEAKE COUNTY

324427089295201 (formerly 324420089295001). 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 (formerly Carthage & Canton RR).

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) above mean sea level. Measuring point: Top of 4-in (10 cm) casing, 2.50 ft (0.76 m) above land-surface datum.

PERIOD 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, 33.00 ft (10.06 m) below land-surface datum, Apr. 23, 1976.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL
APR 23	33.00

LEE COUNTY

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) above mean sea level. Measuring point: Air vent in north side of pump base, at land-surface datum.

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 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL
APR 9	197.13

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., 5 mi (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) above mean sea level. 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, 124.73 ft (38.02 m) below land-surface datum, Apr. 9, 1976.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 30	124.50	APR 9	124.73

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) above mean sea level. 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, 222.37 ft (67.78 m) below land-surface datum, Sept. 6, 1972.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL
APR 8	195.35

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) above mean sea level. Measuring point: Top of recorder house floor, 0.80 ft (0.24 m) above land-surface datum.

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, 251.16 ft (76.55 m) below land-surface datum, July 14, 1976.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 22	242.46	JAN 31	243.61	APR 9	243.65	JUL 14	251.16
JAN 5	240.40	FEB 23	243.54	MAY 11	244.82		

340522088371701 (formerly 340525088371701). Local number, O14.

LOCATION.--Lat 34°05'25", 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) above mean sea level. 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, 49.42 ft (15.06 m) below land-surface datum, Apr. 8, 1976.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL
APR 8	49.42

340523088371701. Local number, O15.

LOCATION.--Lat 34°05'25", 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) above mean sea level. 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 September 1976.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 20 ft (6.1 m) below land-surface datum, September 1956; lowest measured, 70.85 ft (21.60 m) below land-surface datum, Apr. 8, 1976.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL
APR 8	70.85

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) above mean sea level. Measuring point: Top of 4-in (10-cm) casing cap, at land-surface datum.

PERIOD OF RECORD.--October 1975 to September 1976.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 8.1 ft (2.5 m) above land-surface datum, Feb. 10, 1976; lowest measured, 8.0 ft (2.4 m) above land-surface datum, Apr. 29, 1976.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL	DATE	WATER LEVEL
FEB 10	8.1	APR 29	8.0

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.--Sand of Tallahatta Formation of Claiborne Group 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) above mean sea level. Measuring point: Top of 1-in (2.54-cm) well (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 September 1976.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 30.0 ft (9.1 m) above land-surface datum, 1919; lowest measured, 3.45 ft (1.05 m) below land-surface datum, Apr. 29, 1976.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL	DATE	WATER LEVEL
FEB 10	3.05	APR 29	3.45

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) above mean sea level. 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 September 1976.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 38.7 ft (11.8 m) above land-surface datum, July 4, 1942; lowest measured, 1.00 ft (0.30 m) above land-surface datum, Jan. 15, 1976.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 15	1.00	MAR 31	2.00

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) above mean sea level. Measuring point: Top of ½-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 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 10	7.24	JAN 30	6.16	FEB 10	5.84	MAR 31	4.99	JUL 21	7.18

GROUND-WATER LEVELS

LINCOLN COUNTY

313504090261401. Local number, H10.

LOCATION.--Lat 31°35'04", long 90°26'14", Hydrologic Unit 03180005, SW $\frac{1}{4}$ SE $\frac{1}{4}$ 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) above mean sea level. 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 September 1976.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 64.82 ft (19.76 m) below land-surface datum, Mar. 24, 1976; lowest measured, 72 ft (22 m) below land-surface datum, January 1969.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL
MAR 24	64.82

LOWNDES COUNTY

333845088275404. Local number, A14.

LOCATION.--Lat 33°38'45", long 88°27'54", Hydrologic Unit 03160101, SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.30, 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) above mean sea level. 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, 10.73 ft (3.27 m) below land-surface datum, July 24, 1973.

333306088255601. Local number, C29.

LOCATION.--Lat 33°33'06", long 88°25'56", Hydrologic Unit 03160101, SW $\frac{1}{4}$ SW $\frac{1}{4}$ 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) above mean sea level. 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 September 1976.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 17.00 ft (5.18 m) below land-surface datum, July 29, 1959; lowest measured, 28.05 ft (8.55 m) below land-surface datum, Apr. 13, 1976.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL
APR 13	28.05

333703088244801. Local number, C30.

LOCATION.--Lat 33°37'03", long 88°24'48", Hydrologic Unit 03160101, SE $\frac{1}{4}$ NW $\frac{1}{4}$ 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) above mean sea level. 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, 13.70 ft (4.18 m) below land-surface datum, Apr. 20, 1967.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL
APR 13	12.37

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) above mean sea level. 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 September 1976.
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 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL	DATE	WATER LEVEL
APR 12	94.93	AUG 31	91.39

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) above mean sea level. 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, 15.00 ft (4.57 m) below land-surface datum, May 2, 1974.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL
APR 12	14.84

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 public-supply artesian well, diameter 4 in (10 cm), depth 480 ft (146 m).
DATUM.--Land-surface datum is about 170 ft (52 m) above mean sea level. 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, 5.20 ft (1.58 m) below land-surface datum, Apr. 30, 1974.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL
APR 13	4.43

332345088261201 (formerly 332343088262001). Local number, L12.

LOCATION.--Lat 33°23'43", long 88°26'20", Hydrologic Unit 03160106, NE¼SW¼ sec.29, T.18 N., R.18 E., 7 mi (11 km) south of center of Columbus and 2 mi (3.2 km) west of Tombigbee River.
Owner: Lowndes County Board of Supervisors.

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 500 ft (152 m), cased to 400 ft (122 m).
DATUM.--Land-surface datum is about 160 ft (49 m) above mean sea level. Measuring point: Top of casing, 2.70 ft (0.82 m) above land-surface datum.

PERIOD OF RECORD.--June 1940, March 1960 to April 1966, May 1968 to April 1973, May 1975 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 16.5 ft (5.0 m) above land-surface datum, June 10, 1940; lowest measured, 12.81 ft (3.90 m) below land-surface datum, Apr. 13, 1976.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL
APR 13	12.81

LOWNDES 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) above mean sea level. 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, 16.58 ft (5.05 m) below land-surface datum, Apr. 13, 1976.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL
APR 13	16.58

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., 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) above mean sea level. 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, 190.15 ft (57.96 m) below land-surface datum, Oct. 8, 1969.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL	DATE	WATER LEVEL
APR 21	181.31	SEP 15	184.08

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 (formerly Old Men's 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) above mean sea level. 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, 133.50 ft (40.69 m) below land-surface datum, Oct. 16, 1970.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 22	131.89	APR 21	131.74

MARSHALL COUNTY

345218089411801. Local number, D3.

LOCATION.--Lat 34°52'18", long 89°41'18", Hydrologic Unit 08030204, SW¼NW¼ sec.36, T.2 S., R.5 W., at Byhalia in front of post office.

OWNER: Town of Byhalia.

AQUIFER.--Sparta Sand of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 8 in (20 cm), depth 403 ft (123 m), cased to 373 ft (114 m).

DATUM.--Land-surface datum is about 355 ft (108 m) above mean sea level. Measuring point: Top of plate on well head, 1.00 ft (0.30 m) above land-surface datum.

REMARKS.--Well destroyed before Oct. 19, 1976.

PERIOD OF RECORD.--April 1971 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 54.98 ft (16.76 m) below land-surface datum, May 15, 1975, and Apr. 7, 1976; lowest measured, 59.90 ft (18.26 m) below land-surface datum, Nov. 12, 1971.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL
APR 7	54.98

Measurement discontinued.

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) above mean sea level. 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 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL
APR 8	31.97

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 domestic artesian well, diameter 12 in (30 cm), depth 451 ft (137 m).

DATUM.--Land-surface datum is about 315 ft (96 m) above mean sea level. 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 September 1976.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 114 ft (35 m) below land-surface datum, 1942; lowest measured, 191.52 ft (58.38 m) below land-surface datum, Apr. 12, 1976.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 30	187.26	APR 12	191.52

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: Monroe Manufacturing Company.

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) above mean sea level. 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 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL
APR 12	75.43

334531088271701. Local number, Q3.

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) above mean sea level. 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 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL
APR 12	10.39

GROUND-WATER LEVELS

MONROE COUNTY--Continued

334147088261501. Local number, Q18.

LOCATION.--Lat 33°41'47", long 88°26'15", Hydrologic Unit 03160103, SE $\frac{1}{4}$ SE $\frac{1}{4}$ 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 irrigation artesian well, diameter 10 in (25 cm), depth 390 ft (119 m).

DATUM.--Land-surface datum is about 216 ft (66 m) above mean sea level. Measuring point: $\frac{1}{2}$ -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, 51.82 ft (15.79 m) below land-surface datum, July 17, 1973.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL
APR 12	47.30

334347088270901. Local number, Q25.

LOCATION.--Lat 33°43'47", long 88°27'09", Hydrologic Unit 03160101, NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.29, T.15 S., R.18 W., 1 mi (1.6 km) southwest of center of Hamilton.

Owner: Kerr-McGee Chemical Corp. (formerly American Potash Chemical Co.).

AQUIFER.--Sand of Eutaw Formation of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10 cm), depth 242 ft (74 m), cased to 242 ft (74 m).

DATUM.--Land-surface datum is about 210 ft (64 m) above mean sea level. Measuring point: Top of casing, 2.00 ft (0.61 m) above land-surface datum.

PERIOD OF RECORD.--August 1957, October 1959 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 13.00 ft (3.96 m) above land-surface datum, Aug. 28, 1957; lowest measured, 86.17 ft (26.26 m) below land-surface datum, Apr. 27, 1973.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL
APR 12	77.62

MONTGOMERY COUNTY

332916089432002. Local number, F2.

LOCATION.--Lat 33°29'16", long 89°43'20", Hydrologic Unit 08060201, NW $\frac{1}{4}$ NE $\frac{1}{4}$ 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) above mean sea level. 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 September 1976.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 94.70 ft (28.86 m) below land-surface datum, Apr. 19, 1959; lowest measured, 112.75 ft (34.37 m) below land-surface datum, Jan. 15, 1976.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 15	112.75	APR 6	111.75

NOXUBEE COUNTY

330645088332801 (formerly 330650088341001). Local number, H115.

LOCATION.--Lat 33°06'50", long 88°34'10", Hydrologic Unit 03160108, NW $\frac{1}{4}$ NW $\frac{1}{4}$ 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 industrial artesian 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) above mean sea level. Measuring point: Top of $\frac{1}{2}$ -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, 4.0 ft (1.22 m) above land-surface datum, Apr. 21, 1976.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL
APR 21	4.0

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) above mean sea level. Measuring point: Top of air vent in pump base, 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, March 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 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL
APR 12	138.40

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) above mean sea level. 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, 212.67 ft (64.82 m) below land-surface datum, Apr. 12, 1976.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL
APR 12	212.67

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) above mean sea level. 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 September 1976.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4 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 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL
MAR 23	9.58

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 public-supply 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) above mean sea level. 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 September 1976.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 183 ft (56 m) below land-surface datum, July 1950; lowest measured, 192.85 ft (58.78 m) below land-surface datum, Apr. 7, 1976.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL
APR 7	192.85

PRENTISS COUNTY--Continued

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) above mean sea level. 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 September 1976.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 29.50 ft (8.99 m) below land-surface datum, July 25, 1973; lowest measured, 36.50 ft (11.13 m) below land-surface datum, Apr. 9, 1976.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL
APR 9	36.50

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) above mean sea level. Measuring point: Hole in cover plate, at land-surface datum.

REMARKS.--Water levels affected by nearby pumping.

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 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 6	111.22	FEB 23	118.91	APR 23	112.44	AUG 9	113.20

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) above mean sea level. Measuring point: Top of recorder house floor, 3.00 ft (0.91 m) above land-surface datum.

REMARKS.--Water levels affected by nearby pumping.

PERIOD OF RECORD.--August 1957 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 103.7 ft (31.6 m) below land-surface datum, May 6, 1958; 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 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB 23	115.79	APR 23	111.85	AUG 9	109.00

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) above mean sea level. 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, 91.0 ft (27.7 m) above land-surface datum, May 22, 1975.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL
APR 28	94.5

SHARKEY COUNTY--Continued

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) above mean sea level. Measuring point: Top of casing, at land-surface datum.

PERIOD OF RECORD.--February 1939, September 1960, October 1975 to September 1976.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 23.9 ft (7.3 m) above land-surface datum, Feb. 10, 1939; lowest measured, 16.68 ft (5.08 m) below land-surface datum, Apr. 28, 1976.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL	DATE	WATER LEVEL
FEB 25	14.02	APR 28	16.68

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) above mean sea level. 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, 7.0 ft (2.1 m) above land-surface datum, Feb. 10, 1976.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL	DATE	WATER LEVEL
FEB 10	7.0	APR 29	7.5

332505090293001. Local number, R21.

LOCATION.--Lat 33°25'05", long 90°29'30", Hydrologic Unit 08030207, NW¼NE¼ 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) above mean sea level. 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.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL
MAR 31	28.0

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) above mean sea level. 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, 142.30 ft (43.37 m) below land-surface datum, May 5, 1975.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 26	139.70	APR 2	140.12	APR 15	139.85

TATE COUNTY--Continued

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) above mean sea level. 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, 92.20 ft (28.10 m) below land-surface datum, Jan. 26, 1976.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 26	92.20	APR 2	90.58	APR 15	70.90

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) above mean sea level. 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, 66.70 ft (20.33 m) below land-surface datum, July 18, 1972.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 5	62.60	MAR 31	62.10	APR 15	62.50	JUL 21	63.35
MAR 1	62.10	APR 7	62.20	MAY 26	62.60		

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) above mean sea level. Measuring point: Top of casing, 0.50 ft (0.15 m) above land-surface datum.

PERIOD OF RECORD.--October 1973, October 1975 to September 1976.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 99 ft (30 m) below land-surface datum, Oct. 18, 1973; lowest measured, 99.74 ft (30.40 m) below land-surface datum, Feb. 4, 1976.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL
FEB 4	99.74

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) above mean sea level. 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, 13.56 ft (4.13 m) below land-surface datum, Feb. 4, 1976; lowest measured, 15 ft (5 m) below land-surface datum, Sept. 29, 1973.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 21	13.93	FEB 4	13.56

TISHOMINGO COUNTY--Continued

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) above mean sea level. 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, 0.02 ft (0.01 m) above land-surface datum, Oct. 21, 1975; lowest measured, 0.67 ft (0.20 m) below land-surface datum, Feb. 4, 1976.

WATER LEVEL, IN FEET ABOVE AND BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 21	+0.02	FEB 4	-0.67

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) above mean sea level. Measuring point: Top of casing, 2.00 ft (0.61 m) above land-surface datum.

REMARKS.--Water levels affected by nearby pumping.

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 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 22	33.4	MAR 17	33.2

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) above mean sea level. 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.

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, 9.85 ft (3.00 m) above land-surface datum, May 19, 1976.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR 17	18.00	APR 1	14.40	MAY 19	9.85

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) above mean sea level. 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, 5.7 ft (1.7 m) above land-surface datum, Apr. 2, 1976.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL
APR 2	5.7.

WARREN COUNTY

322310090530201. 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) above mean sea level. 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 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 10	31.07	JAN 9	27.14	APR 19	22.61	AUG 10	35.59

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) above mean sea level. Measuring point: Top of casing, 3.00 ft (0.91 m) above land-surface datum.

PERIOD OF RECORD.--November 1960, October 1975 to September 1976.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 100.93 ft (30.76 m) below land-surface datum, Nov. 17, 1960; lowest measured, 106.26 ft (32.39 m) below land-surface datum, Mar. 31, 1976.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL
MAR 31	106.26

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) above mean sea level. 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, 51.32 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.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL
APR 1	43.62

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) above mean sea level. 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 September 1976.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 11.86 ft (3.61 m) below land-surface datum, Oct. 14, 1958; lowest measured, 23.80 ft (7.25 m) below land-surface datum, Oct. 21, 1966.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL
APR 28	20.31

WASHINGTON COUNTY--Continued

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 domestic 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) above mean sea level. 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, 32.0 ft (9.8 m) above land-surface datum, Apr. 28, 1976.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 10	33.0	APR 28	32.0

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) above mean sea level. 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, 25.46 ft (7.76 m) below land-surface datum, Sept. 5, 1969.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 10	20.92	MAR 2	19.09	JUN 24	21.22	SEP 17	23.36
JAN 9	19.70	APR 28	20.11	AUG 4	22.48		

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) above mean sea level. 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, 19.45 ft (5.93 m) below land-surface datum, Aug. 21, 1954.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MINIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	12.2	12.2	---	---	---	10.2	9.4	13.3	10.7	13.0	17.8	---
10	12.3	12.0	---	10.8	---	9.4	9.7	11.2	12.6	14.2	18.0	---
15	12.4	11.6	---	10.8	---	9.4	---	10.9	13.3	13.7	18.5	---
20	12.2	---	---	---	---	9.3	---	10.5	15.0	15.8	18.3	13.3
25	12.3	---	---	---	---	9.5	---	10.9	11.2	16.0	18.2	13.5
EOM	12.2	---	---	---	---	9.5	11.8	10.6	14.8	16.3	17.7	13.4

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) above mean sea level. 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, 33.10 ft (10.09 m) below land-surface datum, June 4, 1975.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 9	30.65	NOV 20	29.80	DEC 30	30.40	MAR 23	27.72	APR 21	28.15	JUL 28	30.90

WILKINSON COUNTY

310415091042201 (formerly 310413091042101). 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) above mean sea level. 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 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL
MAR 23	48.69

310415091042202 (formerly 310413091042102). 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) above mean sea level. 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, 163.41 ft (49.81 m) below land-surface datum, May 10, 1974.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL
MAR 23	162.71

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) above mean sea level. 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, 272.88 ft (83.17 m) below land-surface datum, Mar. 23, 1976.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL
MAR 23	272.88

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) above mean sea level. Measuring point: Bottom edge of hole in north side of casing, 5.30 ft (1.62 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 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 15	12.44	MAR 2	9.10	APR 30	8.75

YAZOO COUNTY--Continued

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) above mean sea level. 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, 98.0 ft (29.9 m) above land-surface datum, Oct. 31, 1974.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 10	105.5	MAR 2	105.5	APR 30	106.5

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) above mean sea level. 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, 28.34 ft (8.64 m) below land-surface datum, Jan. 15, 1976.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 10	17.40	NOV 20	18.60	JAN 15	28.34	MAR 2	20.79	APR 29	19.88

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) above mean sea level. 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, 30.1 ft (9.2 m) below land-surface datum, Sept. 4, 1976.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MINIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	21.2	20.1	20.2	21.1	22.0	21.8	20.6	19.9	21.4	22.9	24.2	26.1
10	20.3	19.0	20.2	22.3	21.9	21.3	20.5	20.1	21.5	23.6	24.2	25.4
15	22.1	20.0	20.7	22.0	21.7	21.5	20.8	19.9	21.5	23.2	24.7	24.3
20	22.1	20.2	21.0	21.8	22.3	21.1	21.0	20.5	21.6	23.5	24.8	24.4
25	21.0	19.8	21.4	22.3	21.5	20.5	20.7	20.7	23.0	24.0	24.9	24.4
EOM	20.7	20.0	21.0	21.8	21.3	20.4	19.3	20.7	23.2	24.1	25.2	24.2

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) above mean sea level. 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, 10.50 ft (3.20 m) below land-surface datum, Apr. 29, 1976.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 10	8.82	MAR 2	10.07	APR 29	10.50

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FACTORS FOR CONVERTING ENGLISH UNITS TO INTERNATIONAL SYSTEM UNITS (SI)

The following factors may be used to convert the English units published herein to the International System of Units (SI). Subsequent reports will contain both the English and SI unit equivalents in the station manuscript descriptions until such time that all data will be published in SI units.

Multiply English 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}	*hectares (ha)
	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 (10 ⁶ gal)	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 [(ft ³ /s) · d]	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 (mgal/d)	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}	tonnes (t)

*The unit hectare is approved for use with the International System (SI) for a limited time. See NBS Special Bulletin 330, p.15, 1972 edition.

**The unit liter is accepted for use with the International System (SI). See NBS Special Bulletin 330, p. 13, 1972 edition.

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