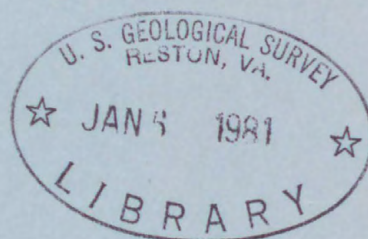


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Water Resources Data for Mississippi Water Year 1975



U.S. GEOLOGICAL SURVEY WATER-DATA REPORT MS-75-1

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

CALENDAR FOR WATER YEAR 1979

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Water Resources Data for Mississippi Water Year 1975



**U.S. GEOLOGICAL SURVEY WATER-DATA REPORT MS-75-1
Prepared in cooperation with the Mississippi Board of Water
Commissioners and with other State, county, municipal, and
Federal agencies**

PREFACE

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

This report is one of a series issued State by State under the general direction of J. S. Cragwall, Jr., Chief Hydrologist, and G. W. Whetstone, Assistant Chief Hydrologist for Scientific Publications and Data Management.

UNITED STATES DEPARTMENT OF THE INTERIOR

THOMAS S. KLEPPE, Secretary

GEOLOGICAL SURVEY

V. E. McKelvey, Director

Prepared in cooperation with

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

For additional information write to
District Chief, Water Resources Division
U.S. Geological Survey
430 Bounds Street
Jackson, Mississippi 39206

1976

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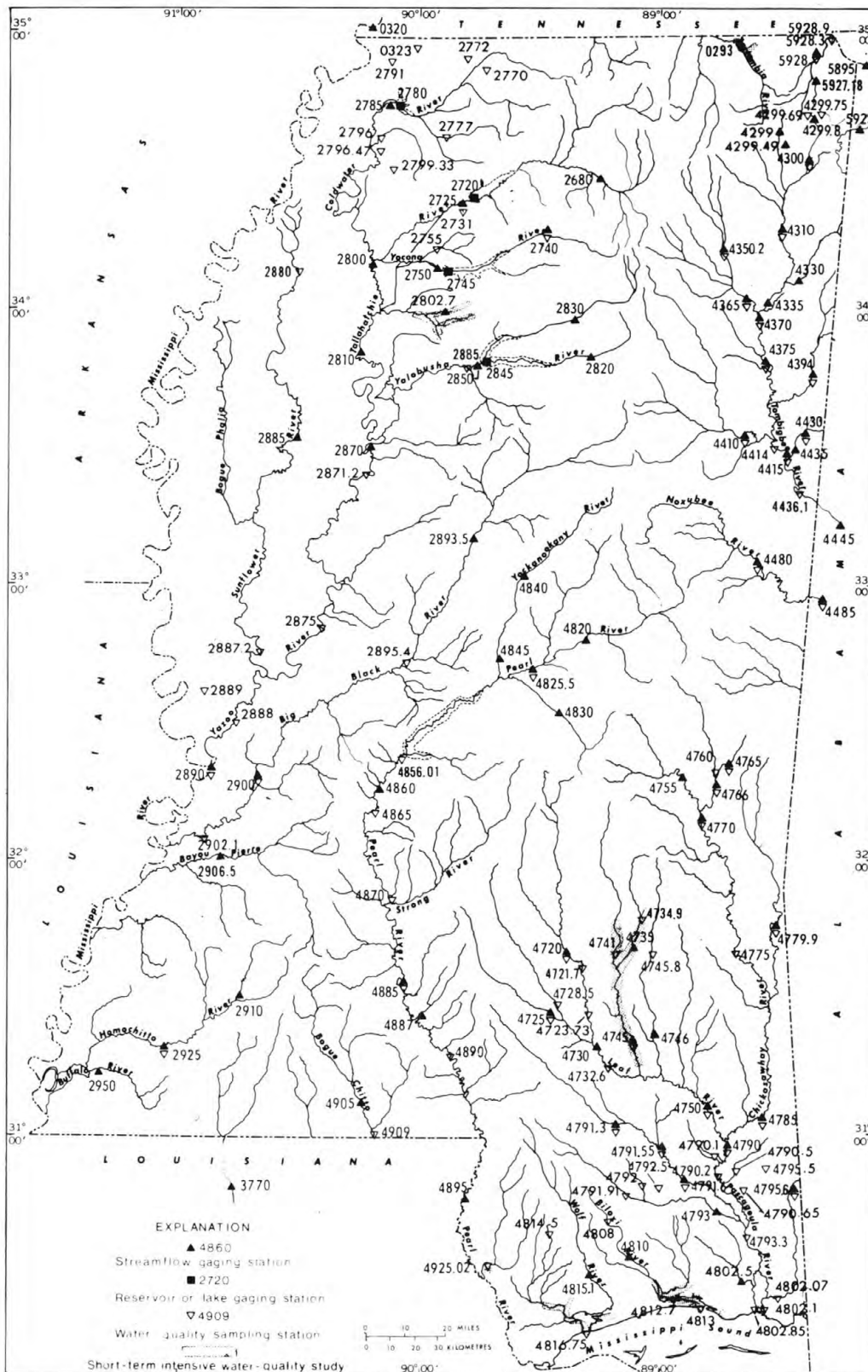


Figure 1 -- Map showing location of gaging and water quality sampling stations.

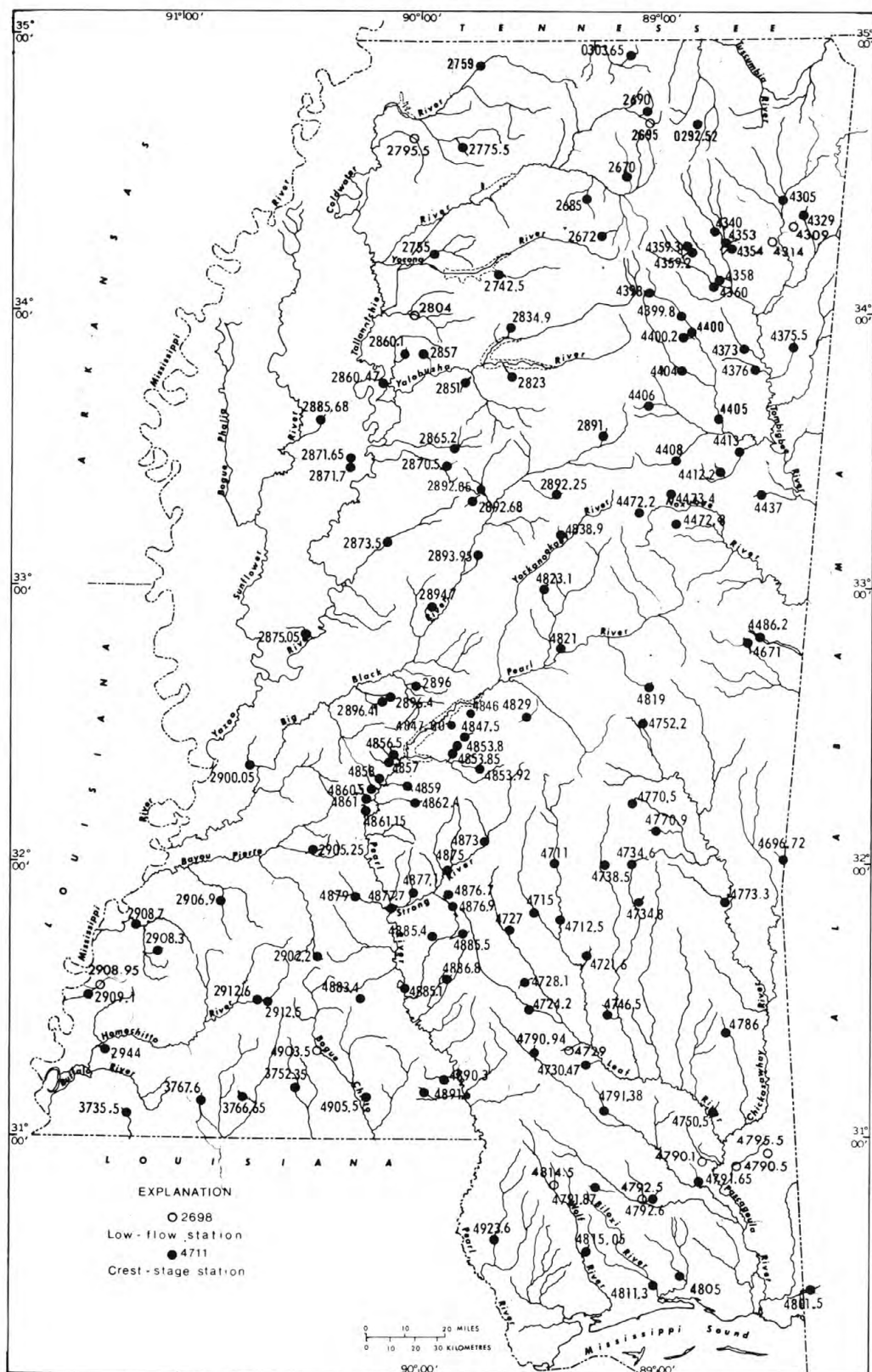


Figure 2.-- Map showing location of partial-record stations

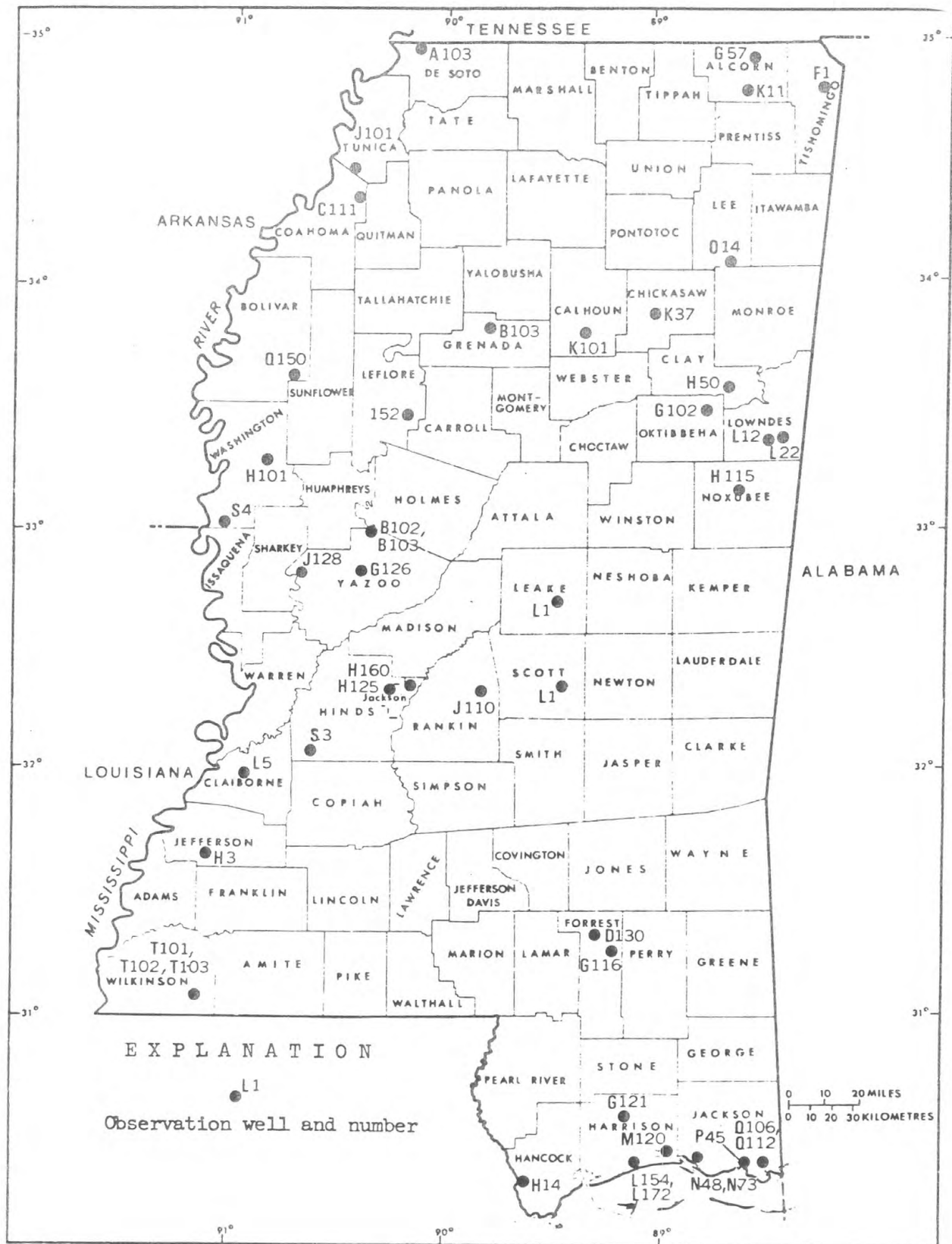


Figure 3.--Location of observation wells in Mississippi, 1975.

WATER RESOURCES DATA FOR MISSISSIPPI, 1975

INTRODUCTION

Water resources data for the 1975 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 78 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 13 gaging stations and 72 miscellaneous sites; and water levels for 47 observation wells. Also included are data for 136 crest-stage partial-record stations and stage records for 15 discharge stations for the period October 1971 to September 1974 and for 4 stage-only stations for the period January 1972 to September 1974. 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."

Beginning with the 1961 water year and continuing through water year 1974, streamflow data have been released by the Geological Survey in annual reports on a State-boundary basis. Water-quality records beginning with the 1964 water year, and ground-water data since the 1971 water year have been similarly released either in separate reports or in conjunction with streamflow records. These reports provided rapid release of preliminary water data shortly after the end of the water year. The final data were then released in the water-supply paper series mentioned above. Beginning with the 1975 water year, water data will be

released on a State-boundary basis in final form and will not be republished in the water-supply paper series. The 1975 and subsequent water year reports will be in a series which will 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-75-1." These reports are for sale to the public for a nominal fee from the National Technical Information Service, U.S. Department of Commerce, Springfield, Virginia, 22151. For more information on publications available, see "PUBLICATIONS" on a subsequent page.

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,
E. L. Boteler, 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,
Donald Inskip, President.

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 48 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.

DEFINITION OF TERMS

Table for converting English Units to International System (SI) Units is on page 27. Terms related to stream-flow, water-quality, and other hydrologic data, as used in this report, are defined as follows:

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 metres.

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

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 warmblooded 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 $44.5^{\circ}\text{C} \pm 0.2^{\circ}\text{C}$ 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 $35^{\circ}\text{C} \pm 1.0^{\circ}\text{C}$ on M-enterococcus medium (nutrient medium for bacterial growth). Their concentrations are expressed as number of colonies per 100 ml of sample.

Benthic organisms (invertebrates) are animals inhabiting the bottom of an aquatic environment. They include a number of different types of organisms, such as bacteria, fungi, insect larvae and nymphs, snails, clams, and crayfish. They are frequently used as indicators of environmental quality because many have restricted mobility during their aquatic life phase, as well as a relatively long lifespan which allows for response to prevailing and changing water-quality conditions. Many benthic organisms inhabit specific types of environments which, if changed, result in changes in the composition of the benthic community.

Biochemical oxygen demand (BOD) is a measure of the quantity of dissolved oxygen, in milligrams per litre, 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 weight is the weight or amount of residue present after the residue from the dry weight determination has been ashed in a muffle furnace at a temperature of 500°C for 1 hour. The ash weight values of zooplankton and phytoplankton are expressed in g/m^3 (grams per cubic metre), and periphyton and benthic organisms in g/m^2 (grams per square metre).

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

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

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

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, 646,315 gallons, or 2,447 cubic metres, and represents a runoff of 0.0372 inch from 1 square mile.

Chemical oxygen demand (COD) indicates the quantity of oxidizable compounds in water and varies with water composition(s), temperature, period of contact, and other factors.

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

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 (cfs) is the rate of discharge representing a volume of 1 cubic foot passing a given point during 1 second and is equivalent to approximately 7.48 gallons per second or 448.8 gallons per minute.

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

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

Instantaneous discharge is the discharge at a particular instant of time. If this discharge is reported instead of the daily mean, the heading of the discharge column in the tables is "Discharge (cfs)."

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-micrometre 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.

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

Gaging station is a particular site on a stream, canal, lake, or reservoir where systematic observations of gage height or discharge are obtained. When used in connection with a discharge record, the term is applied only to those gaging stations where a continuous record of discharge is computed.

Hardness of water is a physical-chemical characteristic attributable to the presence of alkaline earths (principally calcium and magnesium) and is expressed as equivalent calcium carbonate (CaCO_3).

Micrograms per litre (ug/l, UG/L) is a unit expressing the concentration of chemical constituents in solution as the weight (micrograms) of solute per unit volume (litre) of water. One thousand micrograms per litre is equivalent to one milligram per litre.

Milligrams per litre (mg/l, MG/L) is a unit for expressing the concentration of chemical constituents in solution. Milligrams per litre represents the weight of solute per unit volume of water. Milligrams or micrograms per litre may be converted to milliequivalents (one thousandth of a gram-equivalent weight of a constituent) per litre by multiplying by the factors in table 1, below.

Table 1.--Factors for conversion of chemical constituents in milligrams or micrograms per litre to milliequivalents per litre

<u>Ion</u>	<u>Multi- ply by</u>	<u>Ion</u>	<u>Multi- ply by</u>
Aluminum (Al^{+3})*.....	0.11119	Lead (Pb^{+2})*.....	0.00965
Ammonia as NH_4^{+1}	.05544	Magnesium (Mg^{+2})..	.08226
Bicarbonate (HCO_3^{-1}).....	.01639	Manganese (Mn^{+2})*.	.03640
Calcium (Ca^{+2}).....	.04990	Nickel (Ni^{+2})*.....	.03406
Carbonate (CO_3^{-2})...	.03333	Nitrate (NO_3^{-1})...	.01613
Chloride (Cl^{-1}).....	.02821	Nitrite (NO_2^{-1})...	.02174
Chromium (Cr^{+6})*.....	.11539	Phosphate (PO_4^{-3})..	.03159
Cobalt (Co^{+2})*.....	.03394	Potassium (K^{+1})...	.02557
Copper (Cu^{+2})*.....	.03148	Sodium (Na^{+1}).....	.04350
Cyanide (CN^{-1}).....	.03844	Sulfate (SO_4^{-2})...	.02082
Fluoride (F^{-1}).....	.05264	Zinc (Zn^{+2})*.....	.03060
Iron (Fe^{+3})*.....	.05372		

*Constituent reported in micrograms per litre; multiply by factor and divide results by 1,000.

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

Cells/volume refers to the number of cells or 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 volume, usually millilitres (ml) or litres (l).

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 metres (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 millilitres (ml) or litres (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 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, weight, or volume.

Periphyton is the assemblage of microorganisms attached to and growing upon solid surfaces. While primarily consisting of algae, they also include bacteria, fungi, protozoa, rotifers, and other small organisms. Periphyton is a useful indicator of water quality.

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 per millilitre of sample.

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

Substrate is the physical surface upon which an organism lives.

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

Artificial substrate is a device which is purposely placed in a stream or lake for colonization of organisms. The use of artificial substrates 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.

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.

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 litre) 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 and the volume of water per unit of time, flowing in a channel.

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.

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

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

Total (as used in tables of chemical analyses) refers to the amount of a substance that is present both in solution and in suspension. Analyses are performed on representative samples of water-suspended sediment mixtures.

WRD is used as an abbreviation for "Water-Resources Data" in the summary REVISIONS paragraph to refer to previously published State annual basic-data reports.

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

SPECIAL NETWORKS AND PROGRAMS

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

DOWNSTREAM ORDER AND STATION NUMBER

Stations are listed in a downstream direction along the main stream, and stations on tributaries are listed between stations on the main stream in the order in which those tributaries enter the main stream. Stations on tributaries entering above all mainstream stations are listed before the first mainstream station. Stations on tributaries to tributaries are listed in a similar manner. In the lists of gaging stations and water-quality stations in the front of this report the rank of tributaries is indicated by indentation, each indentation representing one rank.

As an added means of identification, each gaging station, partial-record station, and water-quality station has been assigned a station number. These are in the same downstream order used in this report. In assigning station numbers, no distinction is made between partial-record stations and gaging stations; therefore, the station number for a partial-record station indicates downstream order position in a list made up of both types of stations. Water-quality stations located at or near gaging stations or partial-record stations have the same number as the gaging or partial-record station. 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 02430000, which appears just to the left of the station name includes the 2-digit part number "02" plus the 6-digit downstream order number by parts. The part number refers to an area whose boundaries coincide with certain natural drainage lines. Records in this report are in Part 2 (Eastern Gulf of Mexico basins), Part 3 (Ohio River basin), and Part 7 (Lower Mississippi River basin). All records for a drainage basin encompassing more than one State can be arranged in downstream order by assembling pages from the various State reports by station number to include all records in the basin.

SURFACE-WATER 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 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 5-, 15-, 30- or 60-minute intervals. Measurements of discharge are made with a current meter, using the general methods adopted by the Geological Survey on the basis of experience in stream gaging since 1888. 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. Surface areas of lakes or reservoirs are determined from instrument surveys using standard methods. The configuration of the reservoir bottom is determined by sounding at many points.

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), 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 being 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, adjoining good record, discharge measurements, weather records, and comparison with other station records from the same or nearby basins. Likewise daily contents may be estimated on the basis of operator's log, adjoining good record, inflow-outflow studies, and other information.

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

maximum gage height, the minimum discharge if there is little or no regulation (or minimum contents) and the minimum gage height if it is significant are given under "EXTREMES." The minimum daily discharge is given if there is extensive regulation (also the minimum discharge and gage height if they are abnormally low). In the first paragraph headed "Current year," the data given are for the complete current water year unless otherwise specified. In the second paragraph under "Extremes" headed "Period of record:" the data given are for the period of record given in PERIOD OF RECORD paragraph. Reliable information concerning major floods that occurred outside the period of record is given in the third or last paragraph under "EXTREMES." Unless otherwise qualified, the maximum discharge (or contents) corresponds 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 at the same time as the maximum discharge, it is given separately. Information pertaining to the accuracy of the discharge records, to conditions that affect the natural flow at the gaging station, and availability of Water Quality records, 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 also given under "REMARKS."

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.

Skeleton capacity tables are published for all reservoirs for which records of contents are published on a daily basis.

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 following "MAX" are the maximum daily discharges for the calendar and water years; likewise, those following "MIN" are the minimum daily discharges.

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

Peak discharges and their times of occurrence and corresponding gage heights for many stations are listed below the yearly summary. All independent peaks above the

selected base are given. The base discharge, which is given in parentheses, is selected so that an average of about three peaks a year can be presented. Peak discharges are not published for any canals, ditches, drains, or for any stream for which the peaks are subjected 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.

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 and miscellaneous sites are given in three tables at the end of the surface-water records in this report. The first is a table of discharge measurements at low-flow partial-record stations, the second is a table of annual maximum stage and discharge at crest-stage stations, and the third is a table of discharge measurements at miscellaneous sites.

Accuracy of data

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.

Publications

In each water-supply paper entitled, "Surface Water Supply of the United States" there is a list of numbers of preceding water-supply papers containing streamflow information for the area covered by that report. In addition, there is a list of numbers of water-supply papers containing detailed information on major floods in the area. Records for stations in Mississippi for the period October 1960 to September 1965 are in Water-Supply Papers 1906 and 1920.

Two series of summary reports entitled, "Compilation of Records of Surface Waters of the United States" have been published; the first series covers the entire period of record through September 1950 and the second series covers the period October 1950 to September 1960. These reports contain summaries of monthly and annual discharge and month-end storage for all previously published records, as well as some records not contained in the annual series of water-supply papers. All records were reexamined and revised where warranted. Estimates of discharge were made to fill short gaps whenever practical. The yearly summary table for each gaging station lists the numbers of the water-supply papers in which daily records were published for that station. Records for stations in Mississippi are compiled in Water-Supply Papers 1304 and 1311 through September 1950, and in 1724 and 1731 for October 1950 to September 1960.

Special reports on major floods or droughts or of other hydrologic studies for the area have been issued in publications other than water-supply papers. Information relative to these reports may be obtained from the district office.

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.

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 93 sites during the water year by the following agencies: Records of daily discharge were collected at 9 sites by the Agricultural Research Service, U.S. Department of Agriculture; and at 4 sites 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 80 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.

WATER QUALITY RECORDS

Collection and examination of data

Water samples for analyses usually are collected at or near gaging stations. The discharge records at these stations are used in conjunction with the computations of the chemical constituents in this report.

Descriptive statements are given for water-quality stations located at or near streamflow stations. Given are location, drainage area, periods of record for the various water-quality data, extremes of pertinent data, and general remarks, in a format similar to that used for streamflow gaging stations.

Water-quality information is presented for chemical and microbiological quality and water temperature. Chemical quality includes concentrations of individual dissolved constituents and certain properties or characteristics such as hardness, sodium-adsorption-ratio, specific conductance, and pH. Microbiological information includes quantitative identification of certain bacteriological indicator organisms. Water-temperature data represent periodic observations except for stations where a continuous temperature recorder furnished information from which daily minimums and maximums are obtained.

Prior to the 1968 water year, data for chemical constituents and concentration of suspended sediment were reported in parts per million (ppm) and water temperatures were reported in degrees Fahrenheit (°F). In October 1967 the U.S. Geological Survey began reporting data for chemical constituents and concentrations of suspended sediment in

milligrams per litre (mg/l) and water temperatures in degrees Celsius ($^{\circ}\text{C}$). In waters with a density of 1.000 g/ml (grams per millilitre), parts per million and milligrams per litre can be considered equal. In waters with a density greater than 1.000 g/ml, values in parts per million should be multiplied by the density to convert to milligrams per litre. To convert temperatures in degrees Celsius to degrees Fahrenheit, see table 2 below.

Table 2.--Degrees Celsius ($^{\circ}\text{C}$) to degrees Fahrenheit ($^{\circ}\text{F}$)
(Temperature reported to nearest 0.5°C)

$^{\circ}\text{C}$	$^{\circ}\text{F}$	$^{\circ}\text{C}$	$^{\circ}\text{F}$	$^{\circ}\text{C}$	$^{\circ}\text{F}$	$^{\circ}\text{C}$	$^{\circ}\text{F}$	$^{\circ}\text{C}$	$^{\circ}\text{F}$
0.0	32	10.0	50	20.0	68	30.0	86	40.0	104
.5	33	10.5	51	20.5	69	30.5	87	40.5	105
1.0	34	11.0	52	21.0	70	31.0	88	41.0	106
1.5	35	11.5	53	21.5	71	31.5	89	41.5	107
2.0	36	12.0	54	22.0	72	32.0	90	42.0	108
2.5	36	12.5	54	22.5	72	32.5	90	42.5	108
3.0	37	13.0	55	23.0	73	33.0	91	43.0	109
3.5	38	13.5	56	23.5	74	33.5	92	43.5	110
4.0	39	14.0	57	24.0	75	34.0	93	44.0	111
4.5	40	14.5	58	24.5	76	34.5	94	44.5	112
5.0	41	15.0	59	25.0	77	35.0	95	45.0	113
5.5	42	15.5	60	25.5	78	35.5	96	45.5	114
6.0	43	16.0	61	26.0	79	36.0	97	46.0	115
6.5	44	16.5	62	26.5	80	36.5	98	46.5	116
7.0	45	17.0	63	27.0	81	37.0	99	47.0	117
7.5	45	17.5	63	27.5	81	37.5	99	47.5	117
8.0	46	18.0	64	28.0	82	38.0	100	48.0	118
8.5	47	18.5	65	28.5	83	38.5	101	48.5	119
9.0	48	19.0	66	29.0	84	39.0	102	49.0	120
9.5	49	19.5	67	29.5	85	39.5	103	49.5	121

$$^{\circ}\text{C} = 5/9 (^{\circ}\text{F} - 32) \text{ or } ^{\circ}\text{F} = 9/5 (^{\circ}\text{C}) + 32.$$

In October 1968, the Geological Survey began reporting many of the chemical constituents as well as the minor elements in micrograms per litre instead of milligrams per litre. (See "Definition of Terms," p. 6, and table for converting English Units to SI Units, p. 27.)

Solutes

Most methods for collecting and analyzing water samples to determine the kinds and concentrations of solutes are described by Brown, Skougstad, and Fishman. The method for

determining elemental constituents by emission spectrographic techniques is described by Barnett and Mallory. Analysis of pesticides, herbicides, and organic substances in water are described by Goerlitz and Lamar, Lamar, Goerlitz, and Law, and Goerlitz and Brown. The collection and analysis of aquatic, biological and microbiological samples are described by Slack and others.

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 the 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 noncontinuous-digital monitors, the records consist of daily maximum and minimum values for each constituent measured and are based upon hourly punches beginning at 0100 hours and ending at 2400 hours for the day of record. More detailed records (hourly values) may be obtained from the U.S. Geological Survey district office at the address given on the back of the title page of this report.

Temperature

Water temperatures are measured at most of the water-quality stations. Large streams have a small diurnal temperature change while small, 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 continuously recording thermographs are present, the records consist of maximum and minimum temperatures for each day and the monthly average.

Publications

The annual series of water-supply papers that contain information on quality of surface waters in Mississippi are listed below.

<u>Water years</u>	<u>WSP No.</u>
1963	1947
1964	1954
1965	1961
1966	1991, 1994
1967	2011, 2014
1968	2092

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 as shown on figure 3, that is provided for continuity with older reports and for other use as dictated by local needs. The local well numbers are assigned by counties and consists of a grid letter and sequential number. The grid used generally represents a township or part thereof.

Measurements are made in many types of wells under varying conditions, but the methods of measurement are standardized to the extent possible. The equipment and measuring techniques used at each observation well insure that measurements at each well are of consistent accuracy and reliability.

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.

Publications

Publication of ground-water level data for the United States in Water-Supply Papers was begun by the Geological Survey in 1935. From 1935 through 1939, a single Water-Supply Paper for each year covering the entire nation was issued (Water-Supply Papers 777, 817, 840, 845, and 886). From 1940 through 1974, separate Water-Supply Papers were issued for 6 sections of the United States. Water-level data for Mississippi are in the Water-Supply Papers listed below, each report containing one or more calendar years (January-December) of data. Data in this report are for the period January 1974 to September 1975.

<u>Calendar</u> <u>year</u>	<u>WSP</u> <u>No.</u>	<u>Calendar</u> <u>year</u>	<u>WSP</u> <u>No.</u>	<u>Calendar</u> <u>year</u>	<u>WSP</u> <u>No.</u>	<u>Calendar</u> <u>year</u>	<u>WSP</u> <u>No.</u>
1938	845	1944	1017	1950	1166	1956-58	1538
1939	886	1945	1024	1951	1192	1959-63	1783
1940	907	1946	1072	1952	1222	1964-68	1978
1941	937	1947	1097	1953	1266	1969-73	2171
1942	945	1948	1127	1954	1322		
1943	987	1949	1157	1955	1405		

Information about reports and other data on ground water in Mississippi may be obtained from the district office, at the address given on the back of the title page.

HYDROLOGIC CONDITIONS

Streamflow for the 1975 water year was excessive (in the upper 25 percent of record) throughout the State. Flows generally were slightly lower than those experienced in water year 1974.

Monthly and yearly mean discharge for the 1975 water year at three gaging stations located in the northern, central, and southern parts of Mississippi are shown in figure 4. The medians of the reference period 1931-60 are also shown. The graph clearly shows that monthly flows exceeded the median in each month save one at one station. Maximum floods, however, were not extreme.

Water levels in the deeper aquifers generally continued to decline at about the one foot per year rate observed over the past 10 or more years. Water levels in wells in the Mississippi River valley alluvial aquifer and near the recharge areas of the deep aquifers generally remained above average since 1973.

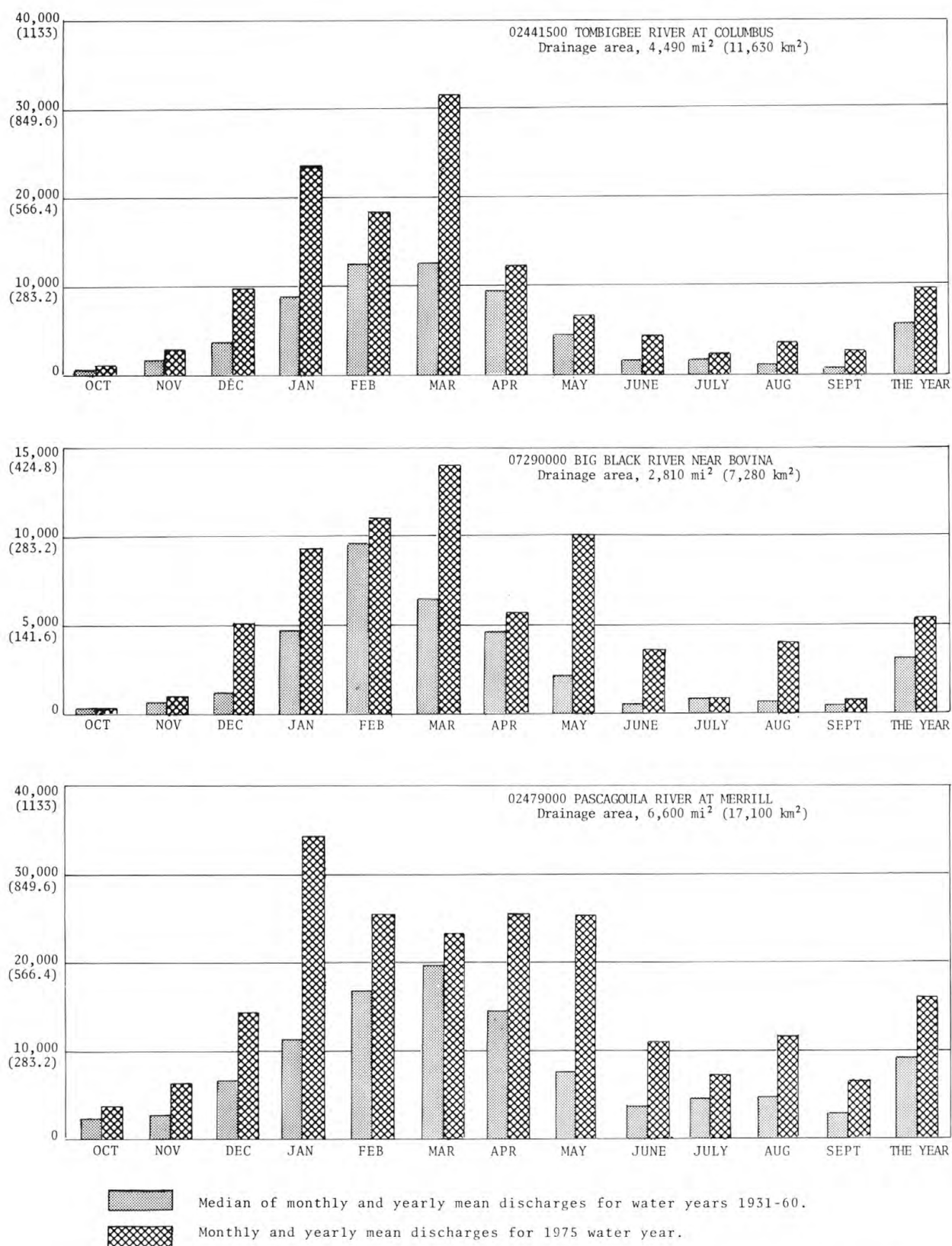


Figure 3.--Comparison of discharge at three long-term representative gaging stations during 1975 water year with median discharge for period 1931-60.

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- Shell, J. D., and Thomson, F. H., 1970, A proposed streamflow data program for Mississippi: U.S. Geol. Survey open-file report, 65 p.
- Skougstad, N. W., Brown, E. R., and Fishman, M. J., 1970, Methods for collection and analysis of water samples for dissolved minerals and gages in water: U.S. Geol. Survey Techniques of Water-Resources Inv., book 5, chap. A-1, 160 p.

Table 3.--Factors for converting English units to
International System (SI) units

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)	25.4	millimetres (mm)
	.0254	metres (m)
feet (ft)	.3048	metres (m)
yards (yd)	.9144	metres (m)
rods	5.0292	metres (m)
miles (mi)	1.609	kilometres (km)
<i>Area</i>		
acres	4047	square metres (m ²)
	.4047	*hectares (ha)
	.4047	square hectometre (hm ²)
	.004047	square kilometres (km ²)
square miles (mi)	2.590	square kilometres (km ²)
<i>Volume</i>		
gallons (gal)	3.785	**litres (l)
	3.785	cubic decimetres (dm ³)
	3.785x10 ⁻³	cubic metres (m ³)
million gallons (10 ⁶ gal)	3785	cubic metres (m ³)
	3.785x10 ⁻³	cubic hectometres (hm ³)
cubic feet (ft ³)	28.32	cubic decimetres (dm ³)
	.02832	cubic metres (m ³)
cfs-day (ft ³ /s-day)	2447	cubic metres (m ³)
	2.447x10 ⁻³	cubic hectometres (hm ³)
acre-feet (acre-ft)	1233	cubic metres (m ³)
	1.233x10 ⁻³	cubic hectometres (hm ³)
	1.233x10 ⁻⁶	cubic kilometres (km ³)
<i>Flow</i>		
cubic feet per second (ft ³ /s)	28.32	litres per second (l/s)
	28.32	cubic decimetres per second (dm ³ /s)
	.02832	cubic metres per second (m ³ /s)
gallons per minute (gpm)	.06309	litres per second (l/s)
	.06309	cubic decimetres per second (dm ³ /s)
	6.309x10 ⁻⁵	cubic metres per second (m ³ /s)
million gallons per day (mgd)	43.81	cubic decimetres per second (dm ³ /s)
	.04381	cubic metres per second (m ³ /s)
<i>Mass</i>		
ton (short)	.9072	tonne (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 litre is accepted for use with the International System (SI). See NBS Special Bulletin 330, p. 13, 1972 edition.

SURFACE-WATER RECORDS

GAGING STATION RECORDS

EASTERN GULF OF MEXICO BASINS

MOBILE RIVER BASIN

02429900 Big Brown Creek near Booneville, Miss.

LOCATION.--Lat 34°37'07", long 88°26'42", near center sec.27, T.5 S., R.8 E., Chickasaw meridian, Prentiss County, near left bank, on downstream side of bridge on county highway, 0.4 mile (0.6 km) downstream from State Highway 30, 2.0 miles (3.2 km) upstream from Martin Creek, and 8 miles (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 or 99.0 m (from topographic map). Prior to June 1973, crest-stage gage at site 0.4 mile (0.6 km) upstream at different datum.

EXTREMES.--June to September 1973: Maximum discharge during period, 110 ft³/s (3.12 m³/s) Aug. 13 (gage height, 7.16 ft or 2.182 m); minimum, 0.81 ft³/s (0.023 m³/s) Aug. 28.

Water year 1974: Maximum discharge, 1,810 ft³/s (51.2 m³/s) Jan. 11 (gage height, 20.32 ft or 6.194 m); minimum, 0.62 ft³/s (0.018 m³/s) Sept. 24.

Water year 1975: Maximum discharge, 1,890 ft³/s (53.5 m³/s) Mar. 13 (gage height, 20.54 ft or 6.261 m); minimum, 1.8 ft³/s (0.051 m³/s) Oct. 2.

Period of record: Maximum discharge, 3,900 ft³/s (110 m³/s) April 17, 1970, (gage height, 99.97 ft or 30.471 m, site and datum then in use); minimum observed, 0.22 ft³/s (0.006 m³/s) Oct. 2, 1954.

REMARKS.--Records fair.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1									21	22	4.1	7.3
2									19	22	3.8	7.1
3									17	15	2.9	4.7
4									16	7.7	2.5	3.2
5									15	8.5	2.4	2.5
6									30	5.7	2.4	2.2
7									26	5.3	2.3	3.0
8									25	5.3	2.3	3.0
9									23	5.4	2.9	2.5
10									18	13	2.6	2.2
11									17	9.4	2.6	1.9
12									17	5.4	2.5	1.8
13									16	4.7	2.7	4.3
14									15	4.8	1.3	5.2
15									20	24	5.1	4.0
16									19	53	3.5	2.7
17									13	27	2.9	2.1
18									11	12	2.7	1.7
19									9.2	14	2.3	1.6
20									8.3	14	2.0	1.5
21									9.4	7.6	1.7	1.6
22									7.5	5.6	1.4	1.4
23									6.9	5.4	1.3	1.2
24									5.6	5.2	1.2	1.2
25									5.2	5.2	1.2	1.3
26									5.4	4.9	1.1	1.9
27									5.4	29	1.0	1.2
28									15	6.6	.93	1.3
29									6.7	4.1	2.9	2.3
30									5.4	3.5	14	1.9
31									---	3.7	11	---
TOTAL									428.0	359.0	129.53	79.8
MEAN									14.2	11.5	4.17	2.66
MAX									30	53	27	7.3
MIN									5.2	3.5	.93	1.2
CFSM									.53	.43	.15	.10
I ⁿ .									.59	.49	.18	.11

PEAK DISCHARGE (BASE, 1600 CFS).--No peak above base.

MOBILE RIVER BASIN

31

02429900 Big Brown Creek near Booneville, Miss.--Continued

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.5	9.5	52	82	87	54	49	28	978	4.8	2.4	2.0
2	2.6	5.0	44	69	152	52	57	33	278	4.4	2.5	1.8
3	1.2	3.1	38	880	132	50	72	49	92	4.3	2.8	13
4	1.6	7.2	80	410	93	48	51	96	62	4.4	15	3.4
5	1.6	16	45	142	80	49	43	72	56	5.0	4.0	2.0
6	1.1	6.9	37	123	85	50	41	46	49	5.4	2.6	1.9
7	1.6	3.8	32	105	74	47	41	37	58	5.7	2.9	1.7
8	2.3	7.7	31	86	63	44	54	34	213	22	7.4	7.9
9	9.9	9.3	30	564	56	42	43	56	70	18	4.3	14
10	4.7	5.7	27	1010	54	42	40	54	90	17	3.7	4.4
11	3.3	5.2	25	1510	51	44	38	48	51	142	2.4	2.5
12	2.8	5.0	27	241	49	48	166	86	45	49	9.7	3.7
13	2.9	5.2	52	137	48	39	194	42	41	16	41	7.7
14	15	5.2	35	235	563	37	82	35	35	9.1	14	25
15	6.2	6.2	30	180	474	36	61	397	41	6.9	7.0	12
16	4.0	12	26	118	272	40	52	207	41	5.7	4.7	4.6
17	3.0	9.1	24	99	134	35	47	78	33	5.0	4.0	2.9
18	2.5	7.7	23	86	101	35	44	52	37	4.7	3.1	2.2
19	2.5	8.1	23	77	113	37	41	42	16	4.6	2.8	1.4
20	2.3	11	103	298	80	67	38	31	15	4.3	2.4	1.0
21	2.2	221	47	173	74	644	35	31	13	4.6	2.2	2.4
22	2.0	35	38	103	158	115	51	229	11	4.0	1.9	3.0
23	2.0	60	37	115	90	84	45	177	9.8	17	1.9	1.0
24	2.0	57	46	739	76	66	35	61	7.8	14	1.7	.62
25	2.0	53	324	405	67	62	33	44	7.2	6.7	1.6	3.6
26	2.0	104	642	239	63	56	31	50	6.6	6.3	1.5	9.1
27	2.2	1140	177	177	60	54	30	45	6.2	7.7	1.3	28
28	10	929	93	437	56	52	29	36	5.8	5.2	1.3	17
29	6.5	107	77	182	---	76	29	32	5.3	4.1	1.4	7.2
30	4.0	68	64	117	---	52	28	29	5.0	3.4	2.5	3.8
31	8.1	---	170	97	---	47	---	28	---	2.8	2.2	---
TOTAL	136.3	2922.9	2499	9236	3405	2204	1600	2285	2378.7	414.1	158.2	190.82
MEAN	4.39	97.4	80.6	297	121	71.0	53.3	73.7	79.2	13.3	5.10	6.36
MAX	23	1140	642	1510	563	644	194	397	978	142	41	28
MIN	1.1	3.1	23	69	48	35	28	28	5.0	2.8	1.3	.62
CFSM	.16	3.61	2.99	11.0	4.50	2.63	1.98	2.73	2.94	.49	.19	.24
IN.	.19	4.03	3.44	12.73	4.69	3.04	2.20	3.15	3.28	.57	.22	.26

WTR YR 1974 TOTAL 27430.02 MEAN 75.1 MAX 1510 MIN .62 CFSM 2.78 IN 37.79

PEAK DISCHARGE (BASE, 1,600 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
11-28	0430	19.91	1,670	06-01	1700	19.86	1,660
01-11	0700	20.32	1,810				

MOBILE RIVER BASIN

02429900 Big Brown Creek near Booneville, Miss.--Continued

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	2.6	5.2	28	108	47	53	135	57	44	9.0	233	2.9
2	2.3	4.7	24	82	43	48	113	49	31	29	61	2.5
3	2.8	4.4	20	109	88	42	94	61	27	13	43	2.3
4	3.1	78	19	53	313	41	85	50	23	12	151	2.2
5	3.1	100	14	72	151	39	79	42	20	11	76	4.2
6	3.1	25	18	64	91	38	74	40	20	10	43	17
7	3.1	16	146	54	70	40	69	147	23	47	28	6.7
8	2.8	14	61	122	54	37	66	65	22	28	22	4.4
9	2.6	12	39	104	56	36	167	55	18	18	19	7.6
10	3.0	11	31	730	49	95	94	55	32	19	15	6.6
11	3.1	22	37	585	70	103	75	47	53	12	14	6.2
12	3.3	18	36	154	87	343	75	50	35	8.4	13	61
13	2.8	13	28	108	55	1790	64	41	21	6.6	11	17
14	2.8	13	25	50	49	794	62	39	16	5.0	9.8	8.8
15	12	12	71	62	46	141	76	289	19	4.3	9.4	7.7
16	24	11	46	73	278	130	56	300	15	3.8	9.0	6.9
17	10	15	37	65	231	105	57	281	12	3.6	10	50
18	7.9	15	33	51	152	108	53	95	11	3.5	12	23
19	6.7	117	31	561	95	47	124	66	10	11	9.2	13
20	5.5	62	29	252	76	78	79	52	9.2	107	8.0	337
21	5.8	36	27	108	65	71	67	45	8.6	53	7.0	43
22	5.4	28	25	82	58	71	61	39	8.2	23	5.8	23
23	4.7	26	24	69	143	66	56	35	7.6	17	5.0	34
24	4.0	28	510	65	90	514	54	33	7.2	15	4.5	54
25	3.3	50	1020	66	67	124	73	33	6.8	68	4.4	38
26	2.5	31	159	50	57	87	57	74	10	57	4.3	29
27	2.6	26	433	46	57	75	51	48	7.4	24	3.6	22
28	2.9	23	311	43	53	67	61	32	6.6	17	3.4	18
29	4.9	21	270	49	---	955	70	56	6.2	13	3.1	16
30	11	28	181	51	---	906	78	57	6.0	18	3.0	14
31	6.0	---	120	43	---	194	---	55	---	13	3.0	---
TOTAL	159.7	865.3	3857	4275	2696	7328	2325	2388	535.8	679.2	843.5	878.0
MEAN	5.15	28.8	124	137	96.2	236	77.5	77.0	17.8	21.9	27.2	29.2
MAX	24	117	1020	730	313	1790	167	300	53	107	233	377
MIN	2.3	4.4	18	43	43	36	51	32	6.0	3.5	3.0	2.2
CFSM	.19	1.07	4.61	5.11	3.57	8.76	2.87	2.85	.66	.81	1.01	1.08
IN.	.22	1.19	5.31	5.89	3.71	10.10	3.20	3.29	.74	.94	1.16	1.21

CAL YR 1974 TOTAL 26753.82 MEAN 73.2 MAX 1510 MIN .62 CFSM 2.71 IN 36.86
 WTR YR 1975 TOTAL 26830.50 MEAN 73.5 MAX 1790 MIN 2.2 CFSM 2.72 IN 36.97

PEAK DISCHARGE (BASE, 1,600 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12-25	0900	19.84	1,650	03-13	1445	20.54	1,890
01-10	2245	19.66	1,600	03-30	0300	19.90	1,670

02429949 Little Brown Creek near New Site, Miss.

LOCATION.--34°32'14", long 88°24'02", in NW¼ sec.30, T.6 S., R.9 E., Chickasaw meridian, Prentiss County, at right bank on downstream side of bridge on State Highway 4, 1.8 miles (2.9 km) southwest of New Site, and 5.2 miles (8.4 km) upstream from 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.--Two water-stage recorders. Altitude of gage on main channel is 312 ft or 95.1 m (from topographic map).

EXTREMES.--June to September 1973: Maximum discharge during period, 224 ft³/s (6.34 m³/s) July 2 (gage height, 9.52 ft or 2.90 m); minimum daily, 9.5 ft³/s (0.269 m³/s) Sept. 11, 12.
 Water year 1974: Maximum discharge, 2,850 ft³/s (80.7 m³/s) Jan. 11 (gage height, 13.01 ft or 3.96 m); minimum daily, 12 ft³/s (0.34 m³/s) Oct. 3, 6, 7, 11, 12, 22-25.
 Water year 1975: Maximum discharge, 4,240 ft³/s (120 m³/s) Mar. 13 (gage height, 13.86 ft or 4.22 m); minimum daily, 14 ft³/s (0.40 m³/s) Sept. 4, 5.

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

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1									---	15	16	11
2									---	76	15	12
3									---	32	14	12
4									---	19	13	11
5									---	29	13	11
6									---	18	13	11
7									33	17	13	11
8									31	18	13	11
9									30	29	13	10
10									28	57	13	10
11									25	68	13	9.5
12									25	20	13	9.5
13									26	18	19	39
14									25	24	32	36
15									23	44	15	16
16									25	120	13	13
17									21	51	13	12
18									19	27	13	11
19									19	26	12	11
20									29	29	12	11
21									21	21	12	11
22									19	19	11	11
23									18	18	11	11
24									16	16	11	11
25									16	16	11	11
26									16	16	10	10
27									15	16	11	11
28									18	15	11	11
29									16	15	11	14
30									15	15	18	17
31									---	15	15	---
TOTAL										919	423	396.0
MEAN										29.6	13.6	13.2
MAX										120	32	39
MIN										15	10	9.5
COEFF										1.41	.65	.63
NO.										1.63	.75	.70

PEAK DISCHARGE (BASE, 1,600 CFS).--No peak above base.

MOBILE RIVER BASIN

02429949 Little Brown Creek near New Site, Miss.--Continued

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	22	48	76	104	110	62	65	21	610	16	15	16
2	22	24	62	78	368	58	137	34	303	16	15	17
3	12	21	54	637	166	54	73	45	103	15	15	34
4	16	23	122	764	103	50	88	184	68	17	16	18
5	13	50	72	179	87	54	54	92	62	20	16	16
6	12	27	48	149	91	54	46	51	56	19	15	16
7	12	23	44	139	81	47	44	37	85	16	18	15
8	42	42	41	97	72	43	62	33	506	19	20	47
9	18	34	39	604	63	41	45	53	130	58	15	29
10	13	25	36	1050	59	40	40	44	103	20	15	19
11	12	23	33	2280	55	43	37	44	65	251	15	18
12	12	23	34	555	52	50	267	112	53	222	18	18
13	13	23	42	186	51	38	409	41	49	43	27	28
14	72	15	35	355	333	34	129	32	41	31	19	23
15	21	17	32	327	508	34	81	426	43	26	15	21
16	15	24	29	171	500	40	65	428	41	25	15	18
17	15	17	27	128	195	34	56	120	34	22	15	18
18	13	16	27	109	126	33	50	73	35	21	14	18
19	13	17	28	94	153	38	46	54	37	20	13	17
20	13	19	131	359	96	67	41	42	31	18	13	16
21	13	495	61	293	131	846	37	37	30	18	13	16
22	12	76	45	134	271	209	55	196	26	16	13	16
23	12	57	43	182	116	109	47	278	24	26	13	15
24	12	67	43	593	93	78	35	87	23	21	13	15
25	12	82	247	608	75	70	32	55	21	18	13	19
26	13	107	638	278	68	62	29	69	21	18	15	19
27	13	1330	295	213	67	60	27	59	19	18	15	24
28	41	1490	112	715	65	58	24	41	19	16	16	21
29	23	239	88	396	---	126	22	35	18	16	21	20
30	17	100	69	158	---	73	20	32	18	15	21	18
31	85	---	234	117	---	56	---	31	---	15	17	---
TOTAL	634	4554	2887	12052	4155	2661	2163	2886	2675	1092	494	605
MEAN	20.4	151	93.1	390	148	85.8	72.1	93.0	89.1	35.2	15.9	20.1
MAX	85	1490	638	2280	508	846	409	428	610	251	27	47
MIN	12	15	27	78	51	33	20	21	18	15	13	15
CFSM	.97	7.23	4.43	18.6	7.07	4.09	3.43	4.43	4.25	1.68	.76	.96
IN.	1.12	8.07	5.11	21.42	7.36	4.71	3.83	5.11	4.74	1.93	.88	1.07
WTR YR 1974	TOTAL	36898	MEAN	101	MAX	2280	MIN	12	CFSM	4.81	IN	65.36

PEAK DISCHARGE (BASE, 1,600 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
11-28	0915	12.26	1,910	01-11	0630	13.01	2,850

MOBILE RIVER BASIN

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02429949 Little Brown Creek near New Site, Miss.--Continued

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	15	20	29	146	60	62	121	64	64	16	298	15
2	15	19	27	101	54	58	124	56	57	55	103	15
3	15	20	24	146	94	53	106	70	52	23	60	14
4	15	87	22	122	389	50	92	66	48	19	84	14
5	15	153	21	81	208	47	85	51	44	16	114	20
6	16	33	21	67	110	47	75	49	41	31	54	27
7	16	25	316	58	81	46	71	321	39	49	40	19
8	16	23	101	67	67	43	69	125	37	57	34	16
9	16	22	51	74	64	40	168	93	36	36	31	36
10	16	21	39	614	56	134	119	83	107	77	29	28
11	16	31	45	1070	96	291	88	64	184	45	27	21
12	16	24	50	222	218	496	84	61	119	26	27	55
13	16	23	36	122	86	3010	72	52	56	23	24	32
14	16	23	31	54	71	1630	90	51	44	19	21	19
15	28	22	79	83	61	247	86	410	52	19	20	18
16	36	22	54	71	601	148	74	344	44	16	21	18
17	22	26	37	62	1080	123	70	420	37	16	24	52
18	19	26	31	103	561	130	66	140	34	15	93	39
19	18	69	28	413	212	132	108	95	32	15	47	26
20	18	63	26	334	124	97	82	74	31	74	26	355
21	18	34	24	132	98	96	68	64	29	48	24	84
22	17	28	22	51	85	31	63	58	27	40	21	52
23	17	25	21	76	296	74	61	54	24	57	20	50
24	18	27	619	70	157	509	59	55	23	40	18	78
25	18	60	934	79	96	203	76	54	21	168	18	66
26	18	34	236	59	77	109	64	116	27	141	18	53
27	18	28	513	52	73	92	78	92	21	40	16	43
28	18	25	531	48	56	95	68	64	19	29	15	36
29	21	24	572	59	---	1670	102	90	19	25	15	32
30	24	28	424	73	---	1630	86	104	19	24	16	29
31	20	---	232	52	---	276	---	70	---	24	15	---
TOTAL	568	1059	5196	4841	5241	11699	2575	3510	1387	1283	1373	1362
MEAN	18.3	35.6	167	156	167	377	85.8	113	46.2	41.3	44.2	45.4
MAX	36	153	934	1070	1080	3010	168	420	184	168	298	355
MIN	15	19	21	48	54	40	59	49	19	15	15	14
CFSM	4.87	1.70	7.98	7.44	8.91	18.0	4.09	5.39	2.20	1.97	2.11	2.16
IN.	1.01	1.89	9.20	8.58	9.28	20.72	4.56	6.22	2.46	2.27	2.43	2.41

CAL YR 1974	TOTAL	35656	MEAN	97.6	MAX	2280	MIN	13	CFSM	4.65	IN	63.16
WTR YR 1975	TOTAL	40104	MEAN	109	MAX	3010	MIN	14	CFSM	5.23	IN	71.04

PEAK DISCHARGE (BASE, 1,600 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
01-11	0415	12.11	1,740	03-13	1645	13.86	4,240
02-17	0715	11.95	1,600	03-29	2000	12.79	2,490

MOBILE RIVER BASIN

02429980 Pollard Mill Branch near Paden, Miss.

LOCATION.--Lat 34°39'10", long 88°15'00", in SE¼ sec.9, T.5 S., R.10 E., Chickasaw meridian, Tishomingo County, at culvert on State Highway 30, 0.8 mile (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.

EXTREMES.--Current year: Maximum discharge, 242 ft³/s (6.85 m³/s) Mar. 13 (gage height, 4.39 ft or 1.338 m), from rating extended above 20 ft³/s (0.57 m³/s) on basis of computation of peak flow through culvert; minimum, 3.0 ft³/s (0.085 m³/s) part or all of each day Aug. 27 to Sept. 4 (gage height, 2.40 ft or 0.732 m).
Period of record: Maximum discharge, 445 ft³/s (12.6 m³/s) Mar. 16, 1973 (gage height, 5.65 ft or 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.

REMARKS.--Records fair.

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	4.3	4.3	4.8	12	5.8	5.1	13	6.8	3.9	3.9	22	3.3
2	4.3	4.3	4.3	11	4.8	4.8	11	5.8	3.9	3.9	6.3	3.3
3	4.8	4.4	4.3	10	6.3	4.8	8.5	7.9	3.6	3.9	4.8	3.0
4	4.8	12	4.3	9.5	16	4.7	7.9	5.8	3.6	3.9	6.3	3.0
5	4.3	6.8	4.3	8.0	11	4.6	7.9	5.3	3.6	3.9	5.8	1.8
6	4.3	4.3	4.3	7.8	9.0	4.5	7.3	4.8	3.6	6.3	4.3	6.8
7	4.3	3.9	19	8.8	7.4	4.4	7.3	18	3.6	12	4.3	4.8
8	3.9	4.3	5.8	12	6.8	4.3	7.3	7.3	3.3	5.3	3.9	4.3
9	4.3	3.9	4.3	25	6.7	3.9	14	26	3.3	4.3	3.9	3.9
10	4.3	3.9	3.9	50	6.6	8.5	7.9	15	6.8	6.3	3.9	3.9
11	3.9	5.8	4.8	30	13	12	7.3	7.4	3.6	5.3	3.9	3.9
12	4.3	4.3	4.3	8.6	11	20	6.8	6.3	5.3	4.8	3.9	11
13	4.3	3.9	4.3	7.4	6.9	176	6.8	5.8	4.3	4.3	3.6	4.3
14	4.3	3.9	4.3	6.5	9.2	50	4.5	6.3	4.8	4.8	3.6	3.9
15	4.3	3.9	6.8	6.2	18	15	6.8	40	4.8	4.8	3.6	3.9
16	4.8	3.9	5.3	6.3	34	13	6.3	26	4.8	4.3	3.6	5.3
17	4.3	4.3	4.8	4.8	29	11	6.3	19	4.8	3.9	3.9	4.5
18	4.2	4.8	4.3	6.8	17	10	6.3	11	4.3	3.9	3.9	4.8
19	4.2	7.9	4.3	24	11	9.4	9.1	7.9	4.3	3.9	3.9	4.3
20	4.2	5.8	4.3	11	8.2	8.8	6.3	6.8	4.3	5.8	3.6	4.3
21	4.2	4.3	4.8	7.3	8.4	8.8	5.8	5.8	4.3	6.3	3.6	7.3
22	4.4	3.9	11	5.8	12	13	5.8	5.3	3.9	4.8	3.6	5.8
23	4.2	3.9	19	5.8	18	19	5.3	5.3	4.3	3.9	3.9	9.1
24	4.2	5.3	35	5.8	11	9.8	5.3	5.3	3.9	4.3	3.6	9.1
25	4.2	6.3	45	5.8	7.5	7.9	7.9	4.8	3.9	7.9	3.3	6.3
26	4.5	4.3	17	5.3	6.5	6.8	6.3	6.3	4.3	5.3	3.3	5.8
27	4.3	4.3	12	4.8	5.7	6.3	5.8	5.3	3.9	4.3	3.3	4.8
28	4.1	4.3	16	4.8	5.4	5.8	9.1	4.3	3.9	3.9	3.3	4.3
29	4.1	4.3	34	4.8	---	143	7.3	4.5	3.9	4.8	3.3	4.3
30	4.1	4.8	23	5.3	---	46	7.9	5.8	3.9	4.3	3.3	4.3
31	4.3	---	16	4.8	---	20	---	5.3	---	5.8	3.3	---
TOTAL	133.0	147.2	339.6	326.8	412.2	661.2	829.1	301.7	124.7	155.1	140.8	208.3
MEAN	4.29	4.90	10.9	10.5	11.1	21.3	7.63	4.73	4.15	5.00	4.54	6.44
MAX	4.8	12	45	50	34	176	14	40	6.8	12	22	43
MIN	3.9	3.9	3.9	4.8	4.8	3.9	5.3	4.3	3.3	3.9	3.3	3.0
CFSM	2.09	2.34	5.34	5.13	5.44	10.4	3.73	4.75	2.03	2.44	2.22	3.90
IN	2.41	2.67	5.16	5.92	5.67	12.00	4.16	5.47	2.26	2.81	2.56	3.78

CAL YR 1974 TOTAL 3004.4 MEAN 8.23 MAX 120 MIN 3.5 CFSM 4.02 IN 54.52
WTR YR 1975 TOTAL 3078.9 MEAN 8.43 MAX 176 MIN 3.0 CFSM 4.11 IN 55.87

02430000 Mackeys Creek near Dennis, Miss.

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

DRAINAGE AREA.--66.8 mi² (173 km²).

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.

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.

AVERAGE DISCHARGE.--38 years, 106 ft³/s (3.002 m³/s), 21.55 in/yr (547 mm/yr).

EXTREMES.--Current year: Maximum discharge, 6,240 ft³/s (177 m³/s) Mar. 13 (gage height, 22.02 ft or 6.712 m); minimum, 35 ft³/s (0.99 m³/s) Sept. 5 (gage height, 2.19 ft or 0.668 m).
Period of record: Maximum discharge, 16,300 ft³/s (462 m³/s) Mar. 21, 1955 (gage height, 28.44 ft or 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.

REMARKS.--Records good. Records of chemical analyses, water temperatures, and suspended-sediment loads for the current year are published in the water-quality section of this report.

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

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	52	54	82	233	121	121	350	145	104	54	286	42
2	49	54	79	173	120	120	256	121	92	53	215	39
3	47	53	75	188	143	111	248	129	84	52	103	38
4	46	70	72	209	252	107	181	147	80	49	118	37
5	45	235	71	149	327	104	162	112	77	48	204	53
6	45	114	71	129	190	103	156	103	76	59	109	270
7	45	77	279	118	149	103	143	250	77	80	82	139
8	52	71	272	120	129	103	137	302	77	114	74	84
9	52	69	121	137	123	98	186	181	74	77	72	70
10	52	68	97	386	118	145	304	235	120	98	68	75
11	50	79	95	1,140	118	266	173	160	213	95	66	70
12	50	87	106	396	237	365	145	127	184	70	64	139
13	50	72	92	224	170	3,320	135	109	104	65	60	139
14	52	69	86	166	131	3,490	166	103	84	60	57	84
15	61	70	103	151	120	646	173	290	89	56	55	71
16	91	68	114	137	322	339	141	538	88	52	56	68
17	71	75	92	121	594	252	131	516	77	50	60	106
18	61	80	84	145	529	226	125	354	71	50	70	133
19	56	97	83	244	422	262	168	186	67	49	88	91
20	52	127	82	387	224	188	168	147	65	66	68	200
21	48	94	79	209	175	164	129	127	62	101	59	320
22	49	79	78	158	151	156	120	112	60	80	56	114
23	49	75	77	137	218	149	114	103	58	121	59	116
24	50	74	262	129	322	409	112	98	56	120	57	168
25	52	109	838	143	179	373	147	95	55	118	53	137
26	50	94	526	125	145	184	149	121	65	131	48	107
27	50	79	337	111	137	158	184	156	63	84	46	92
28	50	76	527	106	127	143	135	104	58	68	44	84
29	53	74	474	109	-----	2,130	197	149	64	63	43	79
30	59	76	491	162	-----	2,630	160	151	57	63	42	76
31	57	-----	365	123	-----	703	-----	116	-----	63	42	-----
TOTAL	1,646	2,519	6,199	6,465	5,993	17,668	5,095	5,587	2,501	2,309	2,524	3,241
MEAN	53.1	84.0	200	209	214	570	170	180	83.4	74.5	81.4	108
MAX	91	235	838	1,140	594	3,490	350	538	213	131	286	320
MIN	45	53	71	106	118	98	112	95	55	48	42	37
CFSM	.79	1.26	2.99	3.13	3.20	8.53	2.54	2.69	1.25	1.12	1.22	1.62
IN.	.92	1.40	3.45	3.60	3.34	9.84	2.84	3.11	1.39	1.29	1.41	1.80
CAL YR 1974	TOTAL 57,317	MEAN 157	MAX 2,930	MIN 39	CFSM 2.35	IN 31.92						
WTR YR 1975	TOTAL 61,747	MEAN 169	MAX 3,490	MIN 37	CFSM 2.53	IN 34.39						

PEAK DISCHARGE (BASE, 1,500 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
03-13	2230	22.02	6,240	03-29	2100	18.54	3,650

MOBILE RIVER BASIN

02431000 Tombigbee River near Fulton, Miss.

LOCATION.--Lat 34°15'55", long 88°26'42", in SE¼ sec.27, T.9 S., R.8 E., Chickasaw meridian, Itawamba County, 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 miles (3.5 km) west of Fulton, 6.2 miles (10.0 km) upstream from Mantachie Creek Canal, 13.5 miles (21.7 km) downstream from Twentymile Creek Canal, and at mile 421.8 (678.7 km).

DRAINAGE AREA.--612 mi² (1,585 km²).

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

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.

AVERAGE DISCHARGE.--47 years, 938 ft³/s (26.56 m³/s), 20.81 in/yr (529 mm/yr).

EXTREMES.--Current year: Maximum discharge, 40,700 ft³/s (1,150 m³/s) Mar. 14 (gage height, 20.95 ft or 6.386 m); minimum discharge, 133 ft³/s (3.77 m³/s) Sept. 4 (gage height, 5.94 ft or 1.811 m).
Period of record: Maximum discharge, 82,200 ft³/s (2,330 m³/s) Mar. 22, 1955 (gage height, 25.75 ft or 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, 1930.

REMARKS.--Records good. See following pages for tables of mean daily gage heights for water years 1972-75. Records of chemical analyses for the current year are published in the water-quality section of this report.

REVISIONS (WATER YEARS).--WSP 1032: 1944. WRD Miss. 1972: Drainage area.

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	196	206	535	4980	1050	1110	7090	1020	1130	205	621	148
2	177	200	521	3150	1090	1090	3430	938	952	195	884	141
3	167	196	449	2510	1200	1050	2540	940	701	234	1040	134
4	157	205	410	2350	1880	1020	2040	992	547	217	1310	136
5	152	960	397	2200	3770	935	1550	923	449	194	1950	155
6	151	1040	370	1850	3040	956	1370	771	402	202	2020	349
7	148	675	366	1530	2390	939	1200	931	393	230	1370	612
8	145	531	2320	1270	1890	923	1100	1580	420	396	1030	619
9	143	460	2150	1330	1720	910	1110	1410	499	533	711	612
10	141	386	1690	1810	1390	949	2130	1470	731	678	516	619
11	139	369	1450	7740	1060	1950	2050	1320	1320	933	415	466
12	138	398	1300	7410	1050	4280	1690	1080	1880	691	359	470
13	136	377	1130	4730	1650	1950	1350	896	2010	502	318	431
14	136	335	925	2920	1410	3760	1240	754	1530	417	285	466
15	172	315	867	2170	1280	1910	1250	1080	1100	341	261	543
16	257	303	1230	1680	1730	6850	1200	2740	814	284	284	527
17	288	306	1100	1330	3840	3300	1130	7740	629	251	310	468
18	255	339	917	1180	4390	2530	1100	3470	517	230	365	395
19	221	430	781	1450	4500	2540	1230	3380	448	216	431	1000
20	198	1140	685	3640	3210	2400	1580	2270	381	228	448	912
21	186	986	604	3150	2470	2100	1370	1620	357	436	374	1440
22	177	659	543	2540	1910	1630	1200	1080	341	465	293	1230
23	173	562	503	2080	1650	1320	1090	896	300	418	252	1100
24	171	486	1010	1640	2450	2340	975	645	268	718	233	1090
25	169	598	4910	1350	2290	3740	877	554	244	744	217	1070
26	169	662	8310	1250	1880	2640	910	527	229	934	195	966
27	176	549	6040	1110	1610	2140	877	1160	221	1300	176	351
28	171	493	7660	1050	1300	1640	838	1160	223	1310	167	749
29	177	454	7170	1040	---	5340	862	945	215	980	163	628
30	197	441	9310	1090	---	2190	931	1070	216	613	162	527
31	225	---	7490	1100	---	1420	---	1040	---	415	156	---
TOTAL	5508	15061	74229	74830	59090	169212	47410	51372	19468	15550	17315	20138
MEAN	177	502	2394	2413	2110	5458	1540	1657	644	501	554	671
MAX	288	1140	9310	7740	4500	37600	7990	4470	2010	1310	2020	1440
MIN	136	196	370	1040	1050	910	838	527	216	194	156	136
CFSM	.29	.82	3.91	3.54	3.45	8.92	2.58	2.71	1.06	.82	.91	1.10
IN	.33	.92	4.51	4.55	3.59	10.29	2.88	3.12	1.13	.95	1.05	1.22

CAL YR 1974 TOTAL 511621 MEAN 1411 MAX 19200 MIN 125 CFSM 2.22 IN 31.10
WTR YR 1975 TOTAL 569184 MEAN 1559 MAX 37600 MIN 136 CFSM 2.55 IN 34.60

PEAK DISCHARGE (BASE, 8,000 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12-26	0200	17.27	9,400	03-14	0900	20.95	40,700
12-30	0800	17.29	9,560	03-30	1300	18.68	21,400
01-11	1300	17.28	9,480	05-17	2100	17.57	11,900

MOBILE RIVER BASIN

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02431000 Tombigbee River near Fulton, Miss.--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.40	5.42	7.14	12.59	12.37	9.28	15.15	7.70	8.37	13.15	8.73	4.58
2	5.20	5.50	6.82	15.41	11.82	12.05	14.36	7.62	7.52	11.76	8.64	4.48
3	5.05	7.31	8.51	16.66	11.28	14.72	13.68	7.98	6.50	10.58	8.19	4.30
4	5.11	7.86	10.89	15.97	10.71	14.49	14.08	7.98	6.23	13.26	7.68	4.30
5	5.61	7.78	9.74	17.26	10.14	13.79	14.86	7.70	6.08	13.50	7.06	4.92
6	5.92	7.10	10.83	16.67	10.05	13.33	14.66	7.60	5.88	12.65	6.26	5.10
7	5.88	6.60	13.48	15.22	11.09	12.39	14.23	8.05	5.64	10.52	5.56	5.20
8	5.72	6.27	13.58	15.67	11.11	13.55	13.62	13.60	5.30	8.96	5.29	5.20
9	5.48	6.12	13.16	15.15	10.56	15.13	13.09	14.59	5.18	7.96	5.30	5.30
10	5.20	6.22	13.43	15.54	10.27	14.89	12.63	14.70	5.20	7.10	5.46	5.10
11	5.09	6.31	13.97	16.23	9.95	14.61	12.06	14.28	6.08	6.66	5.54	4.96
12	5.00	6.02	13.93	15.09	9.77	13.94	11.20	13.04	6.00	6.29	5.80	4.89
13	4.90	5.82	14.94	15.74	10.95	12.98	10.74	12.59	5.56	5.25	7.24	4.80
14	4.86	5.74	15.47	15.20	11.21	12.20	10.15	12.53	5.46	5.78	7.88	4.70
15	4.87	4.93	15.27	14.49	10.69	11.86	9.96	11.82	6.12	5.60	7.38	4.59
16	4.78	5.77	15.23	13.59	10.36	11.72	11.04	10.78	6.82	5.62	6.52	4.57
17	4.84	5.85	15.22	12.59	10.44	12.74	12.58	10.26	6.62	5.96	5.80	5.02
18	4.81	5.80	14.93	11.69	10.63	13.11	12.70	11.10	5.98	5.70	5.30	11.48
19	4.80	6.17	14.43	11.29	10.22	13.08	11.78	10.13	5.58	5.40	5.12	11.41
20	4.86	6.24	13.77	11.04	9.67	12.74	10.96	9.10	5.34	5.30	4.98	8.98
21	4.95	6.44	13.43	10.90	9.28	12.00	10.12	8.14	5.28	5.26	4.78	7.70
22	5.07	6.18	12.99	11.50	9.18	11.67	9.86	7.72	5.20	5.22	4.56	6.81
23	5.08	6.04	12.18	11.45	9.41	12.15	9.26	7.20	5.05	5.19	4.47	7.84
24	5.52	5.99	11.35	10.56	9.34	11.71	8.76	7.08	4.87	5.13	7.72	6.99
25	6.45	6.19	10.69	10.70	9.27	11.99	8.38	8.56	6.04	5.04	9.10	6.49
26	7.31	6.12	10.10	10.29	9.48	13.55	8.10	9.73	8.64	4.96	6.97	5.94
27	7.04	6.08	9.67	9.57	10.02	13.72	7.80	8.68	8.76	4.98	6.09	6.22
28	6.35	6.12	9.31	10.80	9.61	13.56	7.54	7.68	9.21	5.38	5.40	6.44
29	5.91	6.54	9.18	12.89	9.35	14.55	7.32	7.10	13.12	5.91	5.16	8.00
30	5.62	7.29	9.49	13.08	-----	15.86	7.78	7.14	13.94	9.48	5.03	9.85
31	5.49	-----	11.74	12.77	-----	15.59	-----	8.76	-----	10.38	4.84	-----
MEAN	5.42	6.26	12.97	13.61	10.28	13.19	11.28	9.71	6.72	7.57	6.25	6.21
MAX	7.31	7.86	15.47	17.26	12.37	15.86	15.15	14.70	13.94	13.50	9.10	11.48
MIN	4.78	4.93	6.82	9.57	9.18	9.28	7.32	7.08	4.87	4.96	4.47	4.30

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10.37	11.17	15.03	15.53	14.94	11.23	16.18	15.10	13.57	7.27	6.43	6.63
2	8.49	10.71	14.38	15.21	15.46	11.30	15.77	14.50	12.11	7.68	6.53	6.87
3	7.63	11.19	13.59	15.24	15.34	14.40	15.39	14.21	11.00	8.29	6.35	6.69
4	7.12	10.24	12.67	15.68	14.99	15.22	14.88	14.57	10.07	7.94	6.17	6.29
5	7.17	9.42	11.83	15.59	14.48	15.27	14.24	14.14	9.81	7.59	6.01	5.98
6	7.18	8.89	11.88	15.52	13.82	15.12	13.64	13.49	12.65	7.39	5.88	5.74
7	6.82	10.57	13.49	15.28	13.47	15.51	13.86	13.19	12.66	7.38	5.75	5.69
8	6.41	15.60	13.46	15.28	14.33	15.98	15.60	14.24	11.35	7.57	5.69	5.78
9	6.13	15.79	14.69	15.03	16.40	15.64	15.67	14.57	10.68	8.03	5.72	5.83
10	5.85	15.43	15.99	15.59	15.12	15.41	15.54	14.13	10.12	8.21	6.39	5.73
11	5.74	14.86	17.46	15.17	15.72	15.91	15.13	13.60	9.48	9.44	6.84	5.58
12	5.54	13.83	17.09	14.58	15.21	16.76	14.54	14.01	8.92	8.45	6.34	5.43
13	5.52	12.55	16.67	13.86	14.94	16.52	13.88	13.90	8.56	7.79	6.14	5.35
14	5.49	13.81	15.31	13.40	16.85	16.11	13.23	12.89	8.27	7.45	6.95	6.21
15	5.71	14.08	15.30	13.01	16.89	16.92	12.68	12.14	8.35	7.67	7.56	6.91
16	5.60	12.80	16.46	12.66	16.54	21.25	12.76	11.29	8.53	10.32	6.89	6.42
17	5.50	11.48	15.99	12.31	16.03	21.42	14.38	10.63	8.43	11.74	6.55	6.10
18	5.64	10.67	15.58	12.02	15.49	17.88	14.84	10.02	7.99	11.18	6.27	5.84
19	5.90	12.40	15.16	12.16	14.95	16.68	16.29	9.68	7.85	10.19	6.11	5.82
20	5.88	15.05	14.85	12.93	14.33	16.12	16.23	12.40	8.12	9.94	5.93	5.57
21	6.03	15.15	14.71	13.48	-----	15.62	16.12	14.06	8.75	9.04	5.80	5.47
22	5.94	14.91	14.45	15.42	-----	15.17	15.61	13.85	9.35	8.00	5.63	5.41
23	8.36	14.49	14.05	15.39	12.66	14.69	15.27	13.77	9.55	7.43	5.52	5.37
24	9.21	13.58	13.59	15.98	12.48	14.26	16.71	13.72	9.45	7.05	5.39	5.31
25	8.24	13.71	13.24	15.52	12.40	15.75	16.93	13.15	8.86	6.76	5.33	5.34
26	7.53	15.69	12.77	15.20	12.08	16.32	16.71	12.14	8.12	6.52	5.27	5.39
27	8.40	15.73	12.24	15.06	11.76	16.14	16.91	12.20	7.61	6.49	5.24	5.29
28	13.20	15.76	11.64	15.05	11.48	15.73	16.56	16.11	7.34	6.68	5.24	5.37
29	13.00	15.87	11.20	15.59	-----	15.27	16.15	15.92	7.26	6.51	5.27	5.39
30	11.44	15.52	11.02	15.63	-----	15.19	15.64	15.48	7.12	6.30	6.04	5.61
31	11.31	-----	14.18	15.18	-----	16.08	-----	14.81	-----	6.24	6.77	-----
MEAN	7.50	13.37	14.29	14.97	-----	15.83	15.24	13.48	9.40	8.02	6.06	5.81
MAX	13.20	15.87	17.46	16.68	-----	21.42	16.93	16.11	13.57	11.74	7.56	6.91
MIN	5.49	8.49	11.02	12.02	-----	11.23	12.68	9.68	7.12	6.24	5.24	5.29

MOBILE RIVER BASIN

02431000 Tombigbee River near Fulton, Miss.--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.68	9.12	16.18	15.19	15.65	12.70	13.41	8.42	12.97	6.53	6.71	6.73
2	5.87	8.33	15.48	14.74	15.68	12.46	15.22	8.60	16.57	6.38	6.58	6.45
3	6.40	7.79	14.56	14.97	16.59	12.22	16.08	8.99	16.28	6.27	6.80	9.12
4	6.22	7.40	13.93	16.92	16.37	11.88	15.85	9.69	15.75	6.22	6.85	8.82
5	5.98	7.97	14.55	16.63	15.98	11.54	15.23	12.22	14.94	6.83	6.75	8.22
6	5.81	8.07	13.92	16.27	15.52	11.40	14.31	12.26	13.75	6.95	6.65	7.65
7	5.73	7.63	12.90	15.98	15.21	11.27	13.28	12.46	12.46	7.66	6.57	7.34
8	8.53	7.89	11.88	15.61	14.81	11.05	12.91	11.99	14.54	8.59	6.93	7.86
9	14.84	8.67	11.03	15.65	14.27	10.85	12.69	11.94	15.79	10.62	7.06	9.39
10	14.25	8.05	10.40	16.71	13.71	10.64	11.87	11.43	15.84	12.17	8.26	9.07
11	9.62	7.58	9.84	18.56	13.17	10.49	11.30	10.86	15.82	11.37	7.69	8.31
12	7.31	7.28	9.50	18.51	12.66	11.06	11.86	14.04	14.93	13.34	9.20	7.77
13	6.62	7.13	9.38	17.31	12.39	11.51	15.65	14.09	13.70	13.40	11.96	11.53
14	7.03	7.02	9.81	16.52	12.31	10.96	16.21	12.57	12.04	11.95	11.99	10.88
15	8.46	6.99	9.28	16.49	15.23	10.70	15.94	13.67	10.63	10.82	9.72	9.84
16	7.76	7.08	9.02	16.25	16.18	10.50	15.37	16.61	10.05	9.26	8.26	8.84
17	7.20	7.39	8.78	16.00	16.34	10.42	14.41	16.51	9.66	8.05	7.64	8.04
18	6.70	7.28	8.59	15.66	15.99	10.15	13.10	16.08	9.07	7.34	7.17	7.53
19	6.45	7.12	8.46	15.25	15.71	10.04	12.04	15.44	9.62	6.94	6.81	7.16
20	6.29	7.03	11.12	15.10	15.51	11.19	11.27	14.31	9.46	6.78	6.57	6.90
21	6.18	12.53	13.02	15.95	15.05	15.15	10.68	12.63	8.88	6.63	6.35	6.72
22	6.09	15.39	11.78	16.05	15.68	16.63	11.39	11.67	8.37	6.79	6.45	6.66
23	5.99	14.89	11.34	16.06	15.87	16.32	12.24	15.43	8.04	8.56	6.36	6.58
24	5.90	14.72	11.26	16.49	15.62	15.84	11.38	15.91	7.79	10.23	6.27	6.42
25	5.89	14.80	14.56	17.24	15.20	15.12	10.66	15.33	7.52	9.23	6.14	6.55
26	5.91	14.83	16.67	16.75	14.41	14.17	10.19	14.64	7.27	8.82	6.00	6.94
27	5.79	15.81	16.75	16.49	13.58	13.23	9.77	14.62	7.07	9.98	5.89	7.38
28	6.33	18.23	16.43	16.38	13.01	12.62	9.34	14.41	6.92	9.26	5.83	7.72
29	7.19	17.53	16.00	16.69	-----	13.33	9.05	13.64	6.81	8.18	5.93	7.56
30	7.20	16.81	15.46	16.47	-----	14.22	8.63	12.46	6.66	7.50	6.38	7.04
31	7.13	-----	15.02	16.11	-----	13.87	-----	10.98	-----	7.03	6.59	-----
MEAN	7.17	10.28	12.48	16.29	14.92	12.37	12.71	13.03	11.31	8.70	7.24	7.91
MAX	14.84	18.23	16.75	18.56	16.59	16.63	16.21	16.61	16.57	13.40	11.99	11.53
MIN	5.68	6.99	8.46	14.74	12.31	10.04	8.63	8.42	6.66	6.22	5.83	6.42

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.74	6.85	9.71	16.72	12.92	13.24	16.54	12.34	13.31	6.84	10.24	6.16
2	6.53	6.79	9.61	16.27	13.14	13.01	15.95	11.81	12.38	6.73	11.97	6.05
3	6.40	6.74	9.06	15.81	13.65	12.43	15.39	11.45	10.83	7.14	12.77	6.02
4	6.28	6.84	8.73	15.70	15.05	12.40	14.85	12.12	9.79	6.97	14.02	5.98
5	6.21	12.33	8.54	15.50	16.43	12.54	14.28	11.72	9.06	6.72	15.13	6.22
6	6.20	12.87	8.40	15.09	16.20	12.48	13.69	10.74	8.67	6.81	15.29	4.53
7	6.16	10.67	11.54	14.56	15.70	12.42	13.10	11.71	8.59	7.09	14.20	10.26
8	6.11	9.68	15.63	13.90	15.14	12.22	12.62	14.15	8.81	8.61	12.75	10.31
9	6.09	9.15	15.44	14.11	14.90	12.14	12.67	13.79	9.45	9.68	10.90	10.26
10	6.06	8.53	14.95	14.88	14.25	12.48	14.75	13.43	10.93	10.66	9.58	10.31
11	6.03	8.39	14.40	17.07	13.00	15.07	14.73	13.57	14.04	12.27	4.79	10.40
12	6.02	8.63	14.00	17.03	13.02	16.58	14.28	12.47	15.12	10.66	8.31	9.22
13	5.99	8.46	13.34	17.68	14.80	14.46	13.60	11.55	15.28	4.26	7.95	10.38
14	5.99	8.11	12.24	17.13	14.30	20.59	13.29	10.65	14.44	8.59	7.64	10.61
15	6.42	7.94	11.87	15.47	13.94	12.61	13.34	12.40	13.12	7.96	7.41	10.05
16	7.37	7.83	13.79	14.84	14.92	16.46	12.98	15.78	11.54	7.44	7.63	9.65
17	7.68	7.86	13.22	14.10	15.50	16.32	12.87	15.99	10.37	7.11	7.87	9.22
18	7.35	8.14	12.19	13.52	16.62	15.43	12.88	17.14	9.54	6.40	8.36	12.50
19	7.01	8.90	11.33	14.37	16.64	15.48	13.25	14.33	9.04	6.76	8.92	12.67
20	6.77	13.42	10.73	10.34	16.22	15.78	14.15	15.56	8.49	6.86	9.06	12.07
21	6.63	12.59	10.20	15.27	15.77	15.49	13.71	14.56	8.29	9.73	8.44	14.36
22	6.53	10.57	9.80	15.84	15.44	14.14	13.15	13.03	8.18	8.99	7.72	13.75
23	6.48	9.90	9.48	15.37	14.79	14.16	12.64	12.64	7.80	8.50	7.32	13.20
24	6.45	9.36	12.12	14.77	15.75	15.40	12.03	10.45	7.44	10.71	7.14	13.17
25	6.43	10.15	16.55	14.26	15.57	16.47	11.43	9.84	7.24	11.15	6.97	13.02
26	6.43	10.59	17.14	13.62	15.12	15.44	11.64	9.54	7.09	12.06	6.72	12.44
27	6.51	9.91	16.86	13.24	14.72	15.43	11.43	13.32	7.01	13.98	6.51	11.77
28	6.45	9.41	17.05	12.52	14.00	14.77	11.14	13.48	7.03	14.02	6.40	11.13
29	6.52	9.10	17.00	12.87	---	15.55	11.34	12.64	6.96	12.50	6.35	10.36
30	6.75	8.99	17.26	13.13	---	14.44	11.77	13.03	6.95	10.24	6.34	9.64
31	7.05	---	17.10	13.14	---	17.47	---	12.85	---	8.79	6.25	---
MEAN	6.50	9.29	12.99	14.95	14.94	15.16	13.31	12.94	9.90	9.05	9.19	10.33
MAX	7.68	13.42	17.26	17.07	16.54	20.59	16.54	17.14	15.23	14.02	15.29	14.36
MIN	5.99	6.74	8.40	12.87	12.92	12.14	11.19	9.84	6.96	6.72	6.25	5.98

41

LOCATION.--Lat 34°14'20", long 88°16'15", in NE¼SW¼ sec.5, T.10 S., R.10 E., Chickasaw meridian, near left bank on downstream side of bridge on U.S. Highway 78, 0.7 mile (1.1 km) northwest of Tremont, 1 mile (1.6 km) upstream from Johns Creek, 1¼ miles (2.4 km) upstream from Cypress Creek, 1-3/4 miles (2.8 km) upstream from Cypress Creek, 1-3/4 miles (2.8 km) upstream from Chubby Creek, and 8 miles (12.9 km) southeast of Fulton.

EXTREMES.--Water year 1974: Maximum gage height, 7.85 ft (2.393 ft) Jan. 11, (discharge not determined). Minimum daily discharge, 25 ft³/s (0.708 m³/s) Oct. 24, 25, and 26.
Water year 1975: Maximum gage height 9.80 ft (2.987 m) Mar. 13, (discharge not determined). Minimum discharge, 42 ft³/s (1.19 m³/s) Oct. 14 (gage height 2.35 ft or 0.716 m).
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 or 0.542 m).

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	36	90	190		---	---	---	117	---	58	46	70
2	32	80	165		---	145	---	137	---	56	46	60
3	29	70	135		---	176	---	135	---	54	47	90
4	27	60	147		---	166	---	154	188	52	47	178
5	26	70	---		---	158	---	174	---	52	46	130
6	26	64	177		---	153	---	141	---	58	43	90
7	27	61	145		---	146	---	122	190	67	42	68
8	44	64	124		---	138	---	113	---	74	46	100
9	31	80	119		---	131	---	170	---	66	47	150
10	43	69	111		---	129	---	---	---	87	52	---
11	37	64	102		---	128	191	159	---	91	53	150
12	31	54	94		---	163	---	---	182	84	71	170
13	24	54	94		199	149	---	---	185	80	66	150
14	35	53	94		200	130	---	180	151	64	62	140
15	40	53	84		---	123	---	---	133	56	52	120
16	39	53	85		---	126	---	---	125	53	48	130
17	33	54	81		---	131	---	---	111	51	55	110
18	32	52	78		---	120	---	---	104	49	57	90
19	29	52	77		---	122	186	---	122	48	49	70
20	28	53	137		---	149	170	---	105	47	44	60
21	27	146	165		---	---	156	180	93	50	40	52
22	26	197	124		---	---	---	168	86	49	40	47
23	26	109	114		---	---	---	---	82	51	50	47
24	25	89	109		---	---	---	192	83	72	45	47
25	25	85	153		---	---	191	153	78	63	39	49
26	25	91	---		---	198	171	158	72	55	35	65
27	25	---	---		---	183	155	---	69	89	33	64
28	34	---	---		---	176	143	165	66	73	35	67
29	60	---	---		---	---	131	139	64	59	50	58
30	50	---	---		---	---	122	127	61	52	90	52
31	94	---	---		---	---	---	119	---	49	80	---
TOTAL	1075									1909	1556	
MEAN	34.6									61.5	50.1	
MAX	94									91	90	
MIN	25									47	33	
CEM	.29									.51	.42	
IN.	.33									.59	.48	

MOBILE RIVER BASIN

43

02433000 Bull Mountain Creek near Smithville, Miss.

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

DRAINAGE AREA.--336 mi² (870 km²).

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

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.

AVERAGE DISCHARGE.--35 years, 562 ft³/s (15.92 m³/s), 22.71 in/yr (577 mm/yr).

EXTREMES.--Current year: Maximum discharge, 27,000 ft³/s (765 m³/s) Mar. 14 (gage height, 15.75 ft or 4.801 m); minimum discharge, 101 ft³/s (2.86 m³/s) Oct. 14, 15 (gage height, 3.01 ft or 0.917 m).
Period of record: Maximum discharge, 44,400 ft³/s (1,260 m³/s) Mar. 16, 1973 (gage height, 18.26 ft or 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.
Flood in December 1926 reached a stage of 15.7 ft (4.785 m) from floodmark (discharge, about 29,000 ft³/s or 821 m³/s), from information by Corps of Engineers.

REMARKS.--Records good.

REVISIONS (WATER YEARS).--WSP 1504: 1948. WRD Miss. 1972: Drainage area.

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	136	140	370	5920	565	724	3640	540	465	182	356	180
2	124	137	399	3910	614	660	2580	492	448	164	884	170
3	118	137	352	2690	868	614	1690	460	352	156	1110	150
4	113	142	314	1910	1060	537	1260	490	297	151	929	120
5	111	251	288	1660	1190	498	1020	490	265	146	556	130
6	111	470	276	1410	1260	475	868	410	243	164	445	250
7	110	314	495	1060	1080	456	800	446	243	243	423	280
8	107	224	879	892	858	451	720	629	260	310	351	250
9	107	198	926	828	740	434	740	617	366	269	291	230
10	108	186	626	1890	682	456	800	499	1190	318	280	210
11	108	191	505	4860	629	1040	900	650	1120	676	295	250
12	106	211	505	9600	647	2120	800	513	1360	936	310	260
13	105	256	498	4580	672	9960	740	410	1490	458	251	283
14	102	219	423	2850	590	23200	700	364	1240	320	220	218
15	112	206	394	1860	524	10300	700	412	1090	263	210	205
16	160	205	414	1240	1130	4310	760	821	957	230	220	246
17	318	211	419	991	1700	2940	700	1160	760	205	250	318
18	214	218	366	858	1960	2260	640	1450	518	192	300	292
19	163	554	338	981	1930	1980	700	1370	410	177	350	290
20	142	1260	320	1180	1510	1760	820	804	360	167	300	240
21	134	1310	306	1290	1090	1670	760	570	316	175	250	300
22	130	1110	296	1190	879	1250	680	468	318	274	220	400
23	128	605	279	919	824	1030	600	399	332	292	200	350
24	128	448	1080	794	879	1890	540	354	269	238	180	521
25	126	458	1890	865	868	2970	500	324	232	270	170	753
26	128	498	2580	896	692	3610	560	303	213	387	160	559
27	128	432	3750	804	682	2520	520	314	210	434	150	419
28	129	372	3540	679	780	1430	500	340	202	446	140	344
29	129	334	3620	617	---	1960	500	382	200	410	140	299
30	131	326	5250	599	---	5950	520	487	191	247	150	269
31	135	---	7980	608	---	6210	---	565	---	214	160	---
TOTAL	4101	11623	39678	60431	26903	95665	27258	17532	15917	9114	10251	8786
MEAN	132	387	1279	1949	960	3085	908	565	530	294	330	292
MAX	318	1310	7980	9600	1960	23200	3640	1450	1490	936	1110	753
MIN	102	137	276	599	524	434	500	303	191	146	140	120
CFSM	.39	1.15	3.81	5.80	2.86	9.18	2.70	1.68	1.58	.88	.98	.87
IN.	.46	1.29	4.39	6.69	2.98	10.59	3.02	1.94	1.76	1.01	1.13	.97

CAL YR 1974 TOTAL 297337 MEAN 814 MAX 7980 MIN 89 CFSM 2.42 IN 32.92
WTR YR 1975 TOTAL 327259 MEAN 896 MAX 23200 MIN 102 CFSM 2.67 IN 36.23

PEAK DISCHARGE (BASE, 5,000 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12-31	1130	12.39	8,660	03-14	1030	15.75	27,000
01-12	0630	12.98	11,300	03-30	1930	12.66	9,870

MOBILE RIVER BASIN

02433500 Tombigbee River at Bigbee, Miss.

LOCATION.--Lat 34°00'40", long 88°30'50", in SW¼NE¼ sec.25, T.12 S., R.7 E., Chickasaw meridian, Monroe County, near right bank on downstream side of bridge on State Highway 6, 0.2 mile (0.3 km) upstream from St. Louis-San Francisco Railway bridge, 0.5 mile (0.8 km) southeast of Bigbee, 2 miles (3 km) northwest of Amory, and 3.7 miles (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.

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 (sta 02437000), 4.0 miles (6.4 km) downstream, used as an auxiliary gage for this station.

AVERAGE DISCHARGE.--22 years (1944-54, 1963-75), 2,117 ft³/s (59.95 m³/s), 23.45 in/yr (596 mm/yr).

EXTREMES.--Current year: Maximum discharge, 72,500 ft³/s (2,050 m³/s) Mar. 15 (gage height, 24.82 ft or 7.565 m); minimum, 306 ft³/s (8.67 m³/s) Oct. 14, 15; (gage height, 2.27 ft or 0.692 m).
Period of record: Maximum discharge, 112,000 ft³/s (3,170 m³/s) Mar. 17, 1973 (gage height, 27.64 ft or 8.425 m); minimum, 29 ft³/s (0.82 m³/s).

REMARKS.--Records good.

COOPERATION.--Gage-height record and 13 discharge measurements furnished by Corps of Engineers.

REVISIONS (WATER YEARS).--WSP 1504: 1946, 1948. WRD Miss. 1972: Drainage area.

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	464	443	1300	17500	2330	3330	23200	1940	2070	637	1590	464
2	417	427	1360	13700	2490	2640	14300	1930	2000	606	2330	443
3	384	420	1220	9520	2930	2500	8790	1880	1800	572	2670	417
4	363	417	1080	7640	3790	2190	6450	1950	1470	598	2230	399
5	350	499	982	6360	4270	1930	5240	1920	1210	568	2540	405
6	340	1650	916	5720	4520	1780	4200	1770	1080	564	2160	1360
7	338	1700	2200	4640	5590	1710	3510	2050	1020	774	2290	2030
8	333	1240	3490	3910	5310	1640	2970	2480	1090	830	2330	1760
9	350	972	2970	3420	4440	1910	2780	2490	1110	955	2050	1330
10	326	845	2900	4280	3720	1690	2710	2340	3320	1170	1520	1160
11	326	764	2910	7980	3100	3070	2870	2470	4790	2380	1190	1290
12	319	799	2770	11100	2630	6290	2960	2410	4340	2370	999	1290
13	314	957	2760	15900	2800	12600	2890	2040	3910	1720	851	1230
14	310	794	2420	11200	2700	47000	3440	1760	3980	1180	764	1350
15	340	710	2090	4050	2660	62900	3360	1710	3840	955	691	1160
16	479	687	2070	6260	3400	34200	2970	2760	3410	810	734	1010
17	482	687	2020	4820	4930	17500	2670	3680	2630	706	779	1040
18	701	710	1970	3660	5040	10000	2410	5680	1780	650	977	1400
19	556	1460	1730	3550	6880	7510	3000	9120	1430	610	1250	1680
20	457	2900	1480	4430	7740	6330	3390	7980	1230	589	1400	1730
21	417	2290	1330	4150	7100	6010	3570	5980	1130	589	1090	1610
22	405	2840	1220	5360	5880	5520	3360	4080	1110	933	857	1710
23	387	1950	1120	5350	4600	4540	2750	2960	1060	982	730	1910
24	376	1430	2220	4650	4620	6420	2380	2070	938	1020	706	2280
25	371	1410	5740	4320	4100	5960	2130	1530	825	1360	619	2420
26	368	1550	5720	3790	3520	7960	2020	1350	744	1460	581	2190
27	371	1510	8330	3270	3790	8040	2030	1360	696	1620	536	1800
28	374	1280	12300	2800	3630	6560	1950	1720	687	1860	494	1490
29	368	1150	12200	2500	---	7540	1880	1970	682	1810	468	1270
30	358	1090	15000	2350	---	11200	1890	2440	650	1640	447	1090
31	393	---	17400	2340	---	23500	---	2270	---	1260	450	---
TOTAL	12341	36982	124254	194700	118570	321550	128070	88090	56032	33778	38323	40718
MEAN	398	1229	4008	6280	4234	10372	4269	2841	1867	1089	1236	1357
MAX	701	2290	17400	17500	7740	62900	23200	9120	4790	2380	2670	2420
MIN	310	417	416	2340	2330	1610	1680	1350	650	564	447	399
CFSM	.32	1.00	3.27	5.12	3.45	8.46	3.48	2.32	1.52	.89	1.01	1.11
IN	.37	1.12	3.77	5.61	3.60	9.76	3.89	2.67	1.70	1.02	1.16	1.24

CAL YR 1974 TOTAL 1055510 MEAN 2851 MAX 29700 MIN 307 CFSM 2.36 IN 32.03
WTR YR 1975 TOTAL 1193312 MEAN 3269 MAX 62900 MIN 310 CFSM 2.67 IN 36.21

PEAK DISCHARGE (BASE, 12,000 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
01-01	0800	17.62	18,100	03-15	0200	24.82	72,500
01-13	0800	16.68	16,600	03-31	2400	19.93	28,600

02435020 Town Creek at Eason Boulevard at Tupelo, Miss.

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, on left bank at downstream side of bridge on Eason Boulevard in Tupelo, 400 ft (120 m) upstream from Kings Creek, 0.2 mile (0.3 km) downstream from Mud Creek; 0.4 mile (0.6 km) downstream from St. Louis and San Francisco Railroad, and 2.0 miles (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.

AVERAGE DISCHARGE.--5 years, 563 ft³/s (15.94 m³/s), 33.24 in/yr (844 mm/yr).

GAGE.--Water-stage recorder. Datum of gage is 230.00 ft (70.104 m) above mean sea level.

EXTREMES.--Current year: Maximum discharge, 20,700 ft³/s (586 m³/s) Mar. 13 (gage height, 26.70 ft or 8.138 m); minimum, 8.7 ft³/s (0.246 m³/s) Oct. 8 and Sept. 4, 5; minimum gage height, 2.77 ft (0.844 m) Sept. 4.

Period of record: Maximum discharge, 22,400 ft³/s (634 m³/s) Mar. 16, 1973 (gage height, 27.05 ft or 8.245 m); minimum, 2.3 ft³/s (0.065 m³/s) Oct. 4-5, 1971 (gage height, 2.72 ft or 0.829 m).

REMARKS.--Records fair. Discharge includes flow of Kings Creek. See following pages for tables of mean daily gage height for water years 1971-75. Records of chemical analyses for the current year are published in the water-quality section of this 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	15	21	237	1030	348	255	1120	202	300	26	602	11
2	13	18	125	655	550	237	882	130	130	20	480	11
3	11	17	99	1000	1640	138	705	204	90	23	950	11
4	10	142	62	1050	3460	132	499	294	70	18	638	9.5
5	10	1310	60	532	2620	171	404	153	55	17	1260	12
6	10	300	50	437	832	152	344	117	96	17	409	29
7	10	180	3230	384	545	152	303	527	228	17	267	15
8	8.7	128	1300	378	439	152	273	283	60	25	181	15
9	9.5	110	396	457	393	147	583	160	46	251	104	13
10	30	85	296	4540	344	751	748	287	2240	455	67	14
11	42	115	368	5560	360	4420	359	151	2180	376	55	17
12	25	113	563	1450	1080	4410	279	120	575	60	46	30
13	10	65	302	821	460	16200	235	93	224	35	38	40
14	9.5	55	242	581	350	14400	371	82	130	35	33	22
15	32	51	1150	486	279	3030	353	1900	104	42	30	16
16	85	49	625	415	3450	1430	256	2080	80	40	32	16
17	32	53	326	356	3410	1150	217	2980	57	29	135	496
18	18	62	251	468	2820	1330	188	710	60	40	128	194
19	15	211	217	2250	1260	2030	511	433	53	28	46	53
20	13	448	171	2340	559	860	375	332	60	25	35	617
21	12	213	149	657	446	630	235	270	51	190	29	208
22	13	130	128	456	383	475	182	215	48	184	25	55
23	17	180	170	420	1350	346	151	151	38	57	22	42
24	25	186	3730	387	1040	4140	149	117	35	671	25	67
25	25	404	5650	440	447	1340	167	99	38	1160	18	48
26	26	167	1590	341	348	593	171	151	35	572	16	35
27	26	96	2470	279	430	458	149	360	33	357	16	28
28	25	77	3500	249	311	346	149	46	32	88	15	25
29	29	70	5230	244	---	10300	156	282	30	48	14	23
30	29	140	6100	633	---	12500	188	424	29	36	14	25
31	28	---	3030	336	---	2640	---	256	---	46	12	---
TOTAL	664.7	5196	42106	30832	29954	85535	10702	18664	7217	4988	5742	2197.5
MEAN	21.4	173	1358	954	1068	2759	356	440	240	160	185	73.2
MAX	85	1310	6100	5560	3460	16200	1120	2980	2240	1160	1260	617
MIN	8.7	17	60	244	279	147	149	82	29	17	12	9.5
CFSM	.09	.75	5.91	4.32	4.65	12.0	1.55	1.92	1.05	.70	.81	.32
IN.	.11	.84	6.81	4.59	4.84	13.43	1.73	2.21	1.17	.81	.93	.36
CAL YR 1974 TOTAL	273073.8	MEAN 748	MAX 14300	MIN 4.7	CFSM 3.25	IN 44.17						
WTR YR 1975 TOTAL	238798.2	MEAN 654	MAX 16200	MIN 8.7	CFSM 2.44	IN 34.62						

PEAK DISCHARGE (BASE, 8,000 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12-25	0700	22.92	8,260	02-04	1600	21.47	6,200
12-29	1500	23.67	9,930	03-13	2200	26.70	20,700
01-11	0015	24.21	11,600	03-29	2245	25.90	17,300

MOBILE RIVER BASIN

02435020 Town Creek at Eason Boulevard at Tupelo, Miss.--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.74	3.11	3.05	4.45	3.49	5.04	5.39	3.74	3.16	2.81	3.34	5.42
2	2.74		3.05	3.60	3.45	4.77	11.15	3.45	3.70	2.81	3.68	3.43
3	2.74		3.05	3.46	3.45	4.36	5.42	3.44	3.25	2.81	3.47	3.34
4	2.73		3.04	4.22	3.65	3.96	4.51	3.38	3.16	2.81	3.41	3.23
5	2.73		3.03	6.76	8.15	3.75	4.11	3.34	3.09	2.81	3.16	3.12
6	2.74		3.03	3.93	4.52	4.09	3.82	3.64	3.07	2.80	3.08	3.06
7	2.74		3.02	3.49	3.78	5.31	3.69	3.48	3.10	2.78	5.67	3.03
8	2.77		3.01	3.42	3.64	3.81	3.54	3.33	3.14	2.79	3.31	3.02
9	2.87		3.03	3.41	3.56	3.56	3.47	3.24	3.16	2.79	3.09	3.02
10	2.80		3.03	3.41	3.46	11.25	3.43	3.22	3.20	2.80	3.14	3.04
11	2.87		3.06	3.40	3.60	7.26	3.43	3.38	3.24	2.78	7.03	3.06
12	18.96		3.14	3.40	9.47	4.87	3.43	9.85	3.12	2.78	3.60	3.02
13	14.32		3.13	3.40	11.31	12.56	3.44	20.75	2.92	2.78	3.15	3.08
14	4.04		3.09	6.39	5.17	8.52	3.41	9.45	2.91	2.78	3.04	3.02
15	3.33		3.09	10.28	4.45	8.23	3.40	5.04	2.94	2.77	3.04	2.99
16	3.18		3.55	4.41	4.06	5.40	3.40	4.11	3.10	2.95	3.02	2.95
17	3.10		3.49	3.81	3.81	4.25	3.38	3.67	3.18	2.80	2.96	2.97
18	3.06	3.32	3.27	3.55	3.68	3.99	3.37	3.51	2.96	2.79	2.95	2.92
19	3.03	3.44	3.21	3.42	5.88	7.74	3.35	3.45	2.93	2.80	2.95	2.89
20	3.05	3.36	5.37	3.40	14.08	4.72	3.34	3.46	2.93	2.77	2.94	2.88
21	3.03	3.27	6.00	3.40	17.74	3.99	6.38	3.46	2.90	2.77	3.10	2.87
22	2.99	3.19	5.15	4.39	24.08	3.90	4.28	3.46	2.88	2.77	3.33	2.90
23	2.97	3.15	19.66	16.75	11.19	4.15	13.17	3.37	2.86	2.95	3.21	2.85
24	3.16	3.10	9.83	20.30	6.34	3.71	11.04	3.35	2.84	3.47	3.00	2.84
25	3.27	3.07	4.97	19.53	5.36	10.56	4.89	3.43	2.85	13.54	2.95	2.82
26	3.08	3.07	3.93	7.79	14.45	13.98	4.08	3.43	2.85	7.82	2.93	2.91
27	3.01	3.08	3.57	5.26	11.93	5.92	3.74	4.08	3.05	3.44	2.90	3.00
28	2.99	3.07	3.49	4.47	6.04	5.04	3.57	4.82	2.95	3.43	2.92	2.99
29	4.40	3.06	4.27	4.13	-----	12.67	3.46	3.40	2.84	4.47	2.91	2.89
30	3.59	3.05	3.83	4.00	-----	6.22	3.76	3.24	2.82	6.40	2.89	2.86
31	3.22	-----	5.89	3.73	-----	4.76	-----	3.17	-----	3.87	2.91	-----
MEAN	3.94		4.37	5.55	7.28	6.20	4.70	4.52	3.04	3.58	3.33	3.08
MAX	18.96		19.66	20.30	24.08	13.98	13.17	20.75	3.70	13.54	7.03	5.42
MIN	2.73		3.01	3.40	3.45	3.56	3.34	3.17	2.82	2.77	2.89	2.82

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.85	2.82	2.93	5.11	3.52	3.43	3.50	3.15	3.11	3.30	3.11	2.80
2	2.83	3.20	2.94	21.16	3.49	11.39	3.44	3.15	3.04	3.52	2.98	2.80
3	2.82	3.13	4.83	11.21	3.47	7.99	3.65	3.22	3.03	3.44	2.87	2.80
4	2.92	2.96	3.51	22.17	3.43	4.67	10.90	3.14	3.01	5.70	2.83	2.84
5	2.93	2.89	3.22	17.21	3.41	4.20	4.80	3.07	3.00	5.35	2.80	2.83
6	2.91	2.85	7.00	7.07	3.93	3.79	3.93	3.04	2.99	3.55	2.79	2.80
7	2.89	2.86	7.97	5.54	5.00	3.74	3.72	4.30	2.97	3.35	2.78	2.79
8	2.86	2.85	3.67	4.72	3.59	12.78	4.22	12.78	2.95	3.10	2.78	2.79
9	2.84	2.85	3.36	6.18	3.45	5.57	3.60	4.78	2.93	3.02	2.81	2.80
10	2.82	2.87	4.89	15.62	3.44	4.25	3.49	3.62	2.90	2.98	2.91	2.80
11	2.81	2.85	4.39	8.76	3.44	3.85	3.46	3.42	2.89	2.94	2.81	2.80
12	2.81	2.87	9.50	5.33	3.57	3.64	3.44	3.66	2.88	2.92	2.83	2.80
13	2.82	2.87	11.70	4.54	4.41	3.53	3.44	6.20	2.86	2.90	3.15	2.80
14	2.82	2.88	4.88	3.96	3.57	3.60	3.43	4.05	2.85	2.88	2.84	2.80
15	2.81	2.86	6.01	3.59	3.46	3.50	3.39	3.60	2.90	2.88	2.79	2.80
16	2.79	2.84	5.62	3.46	3.46	6.56	7.86	3.33	2.90	2.87	2.78	2.80
17	2.81	2.84	8.90	3.45	3.57	4.50	4.11	3.40	2.90	2.86	2.77	3.06
18	2.80	2.86	5.35	3.44	3.56	3.81	3.55	3.33	2.89	2.86	2.77	3.81
19	2.82	2.90	3.88	3.48	3.45	3.60	3.45	3.22	2.88	2.84	2.78	3.39
20	2.82	2.92	4.32	3.45	3.41	3.46	3.39	3.16	2.87	2.83	2.78	2.94
21	2.82	2.89	3.94	3.46	3.38	3.45	3.35	3.11	2.86	2.88	2.78	2.87
22	2.82	2.88	3.49	3.46	3.37	3.45	3.35	3.08	2.85	2.89	2.79	3.38
23	2.82	2.88	3.45	3.44	3.41	3.43	3.32	3.06	2.85	2.87	2.80	2.88
24	2.83	2.89	3.41	3.45	3.42	3.40	3.26	3.65	2.84	2.90	2.80	2.83
25	2.83	2.88	3.37	3.45	3.42	6.55	3.22	5.54	2.88	2.89	2.81	2.80
26	2.83	2.88	3.36	3.43	3.44	4.61	3.17	3.38	3.50	2.88	2.81	2.80
27	2.83	2.84	3.33	3.42	3.47	3.91	3.13	3.23	3.40	2.84	2.80	3.76
28	2.82	2.91	3.32	5.09	3.43	4.85	3.11	3.17	3.90	2.81	2.80	3.23
29	2.82	3.05	3.32	5.17	3.40	7.88	3.23	3.15	3.50	2.98	2.80	3.15
30	2.81	2.99	4.24	4.55	-----	4.40	3.24	3.42	3.38	3.28	2.79	3.86
31	2.82	-----	5.05	3.71	-----	3.72	-----	3.30	-----	3.12	2.79	-----
MEAN	2.83	2.90	4.81	5.53	3.56	4.89	3.91	3.86	3.02	3.18	2.83	2.99
MAX	2.93	3.20	11.70	22.17	5.00	12.78	10.90	12.78	3.90	5.70	3.15	3.86
MIN	2.79	2.82	2.93	3.42	3.37	3.40	3.11	3.04	2.84	2.81	2.77	2.79

02435020 Town Creek at Eason Boulevard at Tupelo, Miss.--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.15	3.36	3.78	5.25	10.32	3.44	7.02	4.47			2.80	2.77
2	2.96	3.28	3.55	4.10	8.36	7.77	5.24	4.66			2.79	2.78
3	2.90	3.35	3.48	14.01	5.13	10.68	4.64	6.90			2.79	2.77
4	2.93	3.18	3.46	22.30	4.40	8.26	4.36	4.38			2.79	2.78
5	2.99	3.09	3.44	12.26	4.09	7.04	4.02	3.89	4.40		2.79	2.77
6	2.89	3.05	8.48	16.30	3.90	5.32	3.85	3.70	4.95		2.77	2.79
7	2.85	10.64	4.92	11.49	3.75	13.50	9.40	7.30		2.90	2.77	2.82
8	2.84	9.53	4.21	13.31	17.23	6.56	10.01	7.43		2.99	2.77	2.77
9	2.82	4.12	18.98	6.54	11.16	5.43	6.13	4.48		2.94	2.81	2.76
10	2.82	3.55	23.31	5.21	5.70	4.52	5.25	3.82		3.26	2.80	2.76
11	2.82	3.42	16.57	4.56	4.79	19.95	4.37	4.34		3.23	2.84	2.76
12	2.81	3.41	8.43	4.14	4.41	12.46	4.06	8.11		2.91	2.86	2.75
13	2.80	6.53	10.14	3.87	11.54	6.40	3.77	4.24		2.86	3.89	2.77
14	3.10	10.32	7.81	3.80	23.14	6.80	3.60	3.74		2.84	3.17	2.77
15	2.89	4.16	17.00	3.80	12.22	23.60	3.54			2.86	2.91	2.77
16	2.88	3.53	9.24	3.65	6.88	26.70	9.19			3.58	2.84	2.76
17	2.84	3.44	5.67	3.55	5.48	23.59	7.02			3.32	2.81	2.76
18	3.13	3.80	4.87	3.56	4.89	12.99	11.16			3.00	2.80	2.75
19	3.00	13.58	4.98	8.56	4.47	9.64	11.72			2.90	2.79	2.75
20	2.88	7.43	6.95	4.36	4.10	7.87	8.61	11.27		2.87	2.78	2.75
21	2.85	4.14	5.34	14.08	3.85	6.95	5.55	4.25		2.85	2.77	2.77
22	3.05	3.65	4.66	19.85	3.70	6.32	4.48			2.88	2.76	2.75
23	4.85	3.47	4.07	7.67	3.65	5.86	10.24			2.85	2.77	2.75
24	3.19	3.45	3.80	5.61	3.56	6.35	16.50	5.14		2.82	2.76	2.75
25	2.98	14.09	3.62	4.77	3.52	17.89	15.54			2.81	2.75	2.75
26	2.91	10.34	3.53	12.58	3.51	7.98	16.31			2.81	2.75	2.74
27	5.95	4.76	3.47	12.66	3.49	6.07	17.29	8.91		2.80	2.75	2.76
28	5.76	10.63	3.45	9.95	3.46	5.20	7.43	13.19		2.79	2.75	2.77
29	3.41	5.86	3.45	7.51	-----	6.62	5.79	5.81		2.79	2.75	2.81
30	3.28	4.27	5.80	5.28	-----	6.78	4.97			2.79	2.79	2.77
31	4.53	-----	13.88	4.68	-----	13.98	-----	-----	-----	2.83	2.78	-----
MEAN	3.26	5.71	7.24	8.36	6.60	10.08	7.70				2.84	2.77
MAX	5.95	14.09	23.31	22.30	23.14	26.70	17.29				3.89	2.82
MIN	2.80	3.05	3.44	3.55	3.46	3.44	3.54				2.75	2.74

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.75	3.64	5.84	5.14	5.30	3.76	6.01		16.42	2.96	2.90	2.98
2	2.76	3.03	5.08	4.20	16.02	3.70	21.94		13.30	2.94	2.90	4.39
3	2.76	2.93	4.42	15.61	18.18	3.64	8.77		6.82	3.07	3.09	5.22
4	2.76	2.96	8.70	21.23	7.11	3.56	6.03	3.93	5.56	3.08	2.98	3.06
5	2.77	3.12	5.74	8.79	5.69	3.52	4.73	5.13	6.32	3.08	2.91	2.97
6	2.76	3.05	4.07	7.63	5.94	3.55	4.19	3.66	5.29	3.17	2.88	2.93
7	2.77	2.95	3.65	8.79	5.49	3.50	3.95		5.44	3.10	2.86	2.90
8	8.55	3.71	3.48	5.45	4.71	3.47	4.98		15.28	3.66	2.87	3.34
9	9.43	3.43	3.39	14.63	4.30	3.45	4.15	5.31	7.31	5.77	2.90	3.56
10	3.45	3.04	3.33	19.16	4.10	3.44	3.78	3.65	8.64	3.28	2.92	3.07
11	3.09	2.96	3.27	24.90	3.92	3.46	3.59	4.29	6.29	3.12	2.89	2.99
12	3.02	2.93	3.23	18.72	3.80	3.85	7.51	10.51	6.10	3.06	2.99	2.95
13	2.97	2.92	3.23	9.09	3.72	3.58	16.46	4.43	5.47	3.01	5.10	3.60
14	3.11	2.91	3.20	11.99	5.41		6.84	3.68	4.40	2.99	4.41	4.37
15	3.08	2.91	3.17	14.83	13.04		5.16	16.16	4.40	2.98	3.44	3.61
16	2.98	2.90	3.15	8.93	13.44		4.46	23.32	4.37	2.99	3.21	3.05
17	2.93	2.90	3.13	7.18	7.27		4.06	11.37	3.91	3.01	3.11	2.97
18	2.91	2.90	3.12	6.20	5.59		3.82	6.58	4.12	3.02	3.03	2.93
19	2.89	2.90	3.16	5.43	7.62		3.67	5.26		3.03	2.99	2.90
20	2.91	3.23	5.46	10.94	5.41	4.97	3.53	4.47		3.05	2.95	2.89
21	2.91	12.52	3.80	10.86	6.27	19.41	3.45	5.01		3.06	2.92	2.88
22	2.89	4.95	3.37	5.79	12.12	11.15	4.91	10.25		3.14	2.90	2.87
23	2.90	4.28	3.32	13.47	5.58	6.68	4.66	23.12		3.53	2.89	2.86
24	2.87	6.33	5.35	19.32	4.78	5.54	3.64	10.18		3.54	2.88	2.85
25	2.86	8.59	22.72	20.36	4.27	4.94		5.52		3.01	2.86	2.91
26	2.85	5.55	22.32	11.73	4.01	4.52		8.78	3.04	3.80	2.85	2.99
27	2.85	20.07	12.99	9.50	3.89	4.22		10.26	3.02	4.19	2.84	3.00
28	2.97	24.22	6.92	17.62	3.80	4.08		5.04	3.00	3.21	2.84	3.06
29	2.99	13.57	5.62	12.78	-----	9.01		4.27	3.00	3.02	2.94	2.98
30	2.91	6.81	4.78	6.97	-----	5.65		3.92	2.97	2.96	2.92	2.93
31	3.38	-----	7.16	5.78	-----	4.54	-----	3.68	-----	2.92	2.99	-----
MEAN	3.32	5.61	5.81	11.72	6.81					3.25	3.07	3.20
MAX	9.43	24.22	22.72	24.90	18.18					5.77	5.10	5.22
MIN	2.75	2.90	3.12	4.20	3.72					2.92	2.84	2.85

MOBILE RIVER BASIN

02435020 Town Creek at Eason Boulevard at Tupelo, Miss.--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.90	2.95	3.96	4.82	4.62	4.07	9.27	3.71	4.34	2.93	6.40	2.80
2	2.88	2.94	3.43	5.72	6.03	3.90	8.05	3.38	3.38	2.88	5.53	2.80
3	2.86	2.93	3.29	4.55	11.23	3.69	7.01	3.75	3.23	2.91	8.35	2.80
4	2.86	3.50	3.19	4.06	15.54	3.61	5.67	4.28	3.15	2.87	6.54	2.78
5	2.85	3.71	3.18	5.51	14.06	3.56	4.99	3.48	3.09	2.86	9.65	2.81
6	2.85	4.31	3.19	5.23	7.76	3.52	4.59	3.33	3.25	2.86	5.03	2.95
7	2.85	3.65	15.41	4.86	5.99	3.52	4.32	5.92	3.92	2.86	4.08	2.84
8	2.83	3.44	9.46	4.82	5.24	3.52	4.12	4.21	3.11	2.89	3.61	2.84
9	2.84	3.37	4.94	5.65	4.92	3.45	5.93	3.51	3.05	4.01	3.28	2.82
10	3.00	3.28	4.27	16.92	4.59	7.32	7.09	4.23	11.89	5.42	3.14	2.83
11	3.09	3.39	4.77	21.81	4.70	16.90	4.69	3.47	13.68	4.89	3.09	2.86
12	2.97	3.38	6.12	10.63	9.04	19.43	4.16	3.34	6.18	3.11	3.05	2.96
13	2.85	3.19	4.31	7.71	5.39	25.56	3.89	3.24	3.85	2.99	3.01	3.02
14	2.84	3.16	3.93	6.24	4.64	24.97	4.77	3.20	3.38	2.99	2.98	2.90
15	3.01	3.14	9.11	5.58	4.16	15.45	4.65	11.45	3.28	3.03	2.96	2.85
16	3.27	3.13	6.52	5.07	16.36	10.60	4.01	13.04	3.19	3.02	2.97	2.85
17	3.03	3.15	4.49	4.67	16.67	9.45	3.79	15.55	3.14	2.95	3.43	5.72
18	2.93	3.14	3.98	5.45	14.49	10.07	3.64	7.05	3.11	3.00	3.37	3.71
19	2.90	3.91	3.79	12.14	9.51	12.88	5.74	5.20	3.08	2.94	3.05	3.08
20	2.88	5.31	3.56	13.39	6.09	7.89	4.82	4.51	3.11	2.92	2.99	6.54
21	2.87	3.82	3.45	6.98	5.29	6.55	3.89	4.10	3.07	3.80	2.95	3.79
22	2.88	3.45	3.37	5.65	4.85	5.50	3.61	3.78	3.06	4.72	2.92	3.09
23	2.93	3.66	3.34	5.11	9.39	4.94	3.47	3.47	3.01	3.10	2.90	3.03
24	2.99	3.69	15.59	4.88	8.56	17.93	3.46	3.33	2.99	6.60	2.92	3.14
25	3.00	4.99	21.46	5.25	5.30	10.04	3.55	3.26	3.01	8.83	2.87	3.06
26	3.00	3.60	10.90	4.58	4.62	6.31	3.56	3.52	2.99	6.17	2.85	2.99
27	3.00	3.32	14.35	4.16	5.18	5.38	3.46	4.77	2.98	4.73	2.85	2.94
28	2.99	3.25	16.74	3.97	4.37	4.87	3.46	3.25	2.97	3.22	2.84	2.92
29	3.02	3.22	19.54	3.94	---	21.36	3.49	4.28	2.96	3.06	2.83	2.91
30	3.02	3.50	22.01	6.58	---	24.57	3.64	5.17	2.95	3.00	2.83	2.92
31	3.01	---	15.25	4.55	---	14.71	---	4.05	---	3.05	2.81	---
MAX	2.94	3.72	4.09	7.25	7.81	10.18	4.69	4.93	3.95	3.70	3.81	3.19
MAX	3.27	9.71	22.01	21.81	16.67	25.56	9.27	15.55	13.68	8.83	9.65	6.54
MIN	2.83	2.93	3.19	3.94	4.16	3.45	3.46	3.20	2.95	2.86	2.81	2.78

WTR YR 1975 MAX 5.35 MIN 2.78

MOBILE RIVER BASIN

49

02436500 Town Creek near Nettleton, Miss.

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

DRAINAGE AREA.--617 mi² (1,598 km²).

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.

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.

AVERAGE DISCHARGE.--36 years, 937 ft³/s (26.54 m³/s), 20.62 in/yr (524 mm/yr).

EXTREMES.--Current year: Maximum discharge, 46,300 ft³/s (1,311 m³/s) Mar. 13 (gage height, 30.33 ft or 9.245 m); minimum recorded, 42 ft³/s (1.19 m³/s) Oct. 14, 15 but may have been less during periods of no gage-height record Oct. 5-10 and Sept. 3-10.

Period of record: Maximum discharge, 151,000 ft³/s (4,280 m³/s) Mar. 22, 1955 (gage height, 33.88 ft or 10.327 m); minimum, 0.8 ft³/s (0.023 m³/s) Sept. 14, 15, 1942.

Maximum stage known 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.

REMARKS.--Records fair. Records of chemical analyses for the current year are published in the water-quality section of this report.

REVISIONS (WATER YEARS).--WSP 1504: 1948.

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	82	78	500	3310	707	657	3810	513	755	140	1400	52
2	73	70	300	2040	1500	551	2540	365	385	130	3500	48
3	67	63	243	2560	4500	451	2010	755	298	120	3000	47
4	59	140	212	2950	5700	436	1450	788	250	130	5000	45
5	55	2040	192	1470	5300	435	1100	420	220	120	2000	45
6	52	492	185	1080	1960	433	910	320	213	110	1500	50
7	48	260	7310	850	1260	433	771	1900	410	100	1000	110
8	45	207	3620	814	935	433	642	1050	642	401	700	64
9	46	188	477	1040	806	431	910	529	233	811	450	60
10	47	164	617	7670	671	1170	1520	567	7720	1400	300	58
11	69	192	783	11500	632	7000	944	540	7950	1380	250	62
12	63	212	1380	4670	2360	7840	533	828	4300	250	200	170
13	48	157	671	2230	1070	36300	554	394	1130	180	160	210
14	43	155	479	1500	729	33200	1830	312	702	160	150	93
15	70	136	1760	1180	575	12700	1230	2030	811	220	140	71
16	283	130	1620	966	6350	4790	745	3350	564	210	150	66
17	138	140	707	787	5620	3370	597	5120	471	160	600	1040
18	95	170	482	863	3880	3440	542	1660	398	140	500	964
19	81	400	415	460	2940	4670	2350	468	353	200	200	282
20	72	900	353	4930	1350	2160	1360	725	378	230	160	1800
21	64	500	309	1700	996	1550	686	558	353	200	130	978
22	62	350	270	1140	749	1140	558	455	484	150	120	414
23	59	400	255	854	2190	430	542	359	332	300	100	329
24	62	700	7720	783	2540	4020	542	306	250	3500	90	465
25	66	1000	11200	1220	1010	3670	490	266	240	3000	100	298
26	66	350	4520	759	725	1340	513	420	210	1500	50	205
27	66	250	4970	552	1600	1030	439	762	190	500	70	144
28	63	200	5430	531	947	844	344	287	170	300	70	114
29	83	180	11400	521	---	19300	505	458	160	200	66	103
30	104	309	13200	1220	---	22900	500	1740	150	150	62	96
31	88	---	7380	750	---	10900	---	579	---	200	58	---
TOTAL	2319	10524	90920	65160	50012	192654	31318	30025	30772	16602	22306	8483
MEAN	74.8	350	2932	2134	2143	6214	1060	968	1025	535	719	282
MAX	283	2040	13200	11600	5350	36300	3810	5120	7950	3500	5000	1800
MIN	43	53	185	521	575	431	344	266	150	100	58	45
CFSM	.12	.57	4.75	1.46	3.47	10.11	1.72	1.57	1.66	.37	1.17	.46
IN.	.14	.63	5.44	3.59	3.62	11.52	1.42	1.81	1.86	1.00	1.34	.51
CAL YR 1974	TOTAL	497194	MEAN	1352	MAX	17100	MIN	43	CFSM	2.21	IN	29.48
WTR YR 1975	TOTAL	562595	MEAN	1541	MAX	36300	MIN	43	CFSM	2.50	IN	33.92

PEAK DISCHARGE (BASE, 15,000 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12-29	1300	26.01	17,100	03-13	2130	30.33	46,300
01-10	2000	26.57	20,000	03-29	1300	27.82	26,700

MOBILE RIVER BASIN

02437000 Tombigbee River near Amory, Miss.

LOCATION.--Lat 33°59'10", long 88°33'05", in NW¼NE¼ sec.3, T.13 S., R.7 E., Chickasaw meridian, Monroe County, near right bank on downstream side of bridge on U.S. Highway 278, 0.3 mile (0.5 km) downstream from Town Creek, 3.5 miles (5.6 km) west of Amory, and at mile 378.9 (609.7 km).

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

PERIOD OF RECORD.--October 1937 to current year. Monthly discharge only for October and November 1937, published in WSP 1304.

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 (sta 02437500), 20 miles (30 km) downstream, was used as an auxiliary gage for this station 1950-58.

AVERAGE DISCHARGE.--38 years, 3,081 ft³/s (87.25 m³/s), 21.75 in/yr (552 mm/yr).

EXTREMES.--Current year: Maximum discharge, 96,600 ft³/s (2,740 m³/s) Mar. 15 (gage height, 31.82 ft or 9.699 m); minimum, 387 ft³/s (11.0 m³/s) Sept. 5; minimum gage height, 4.87 ft (1.484 m) Oct. 15.
Period of record: Maximum discharge, 162,000 ft³/s (4,590 m³/s) Mar. 17, 1973 (gage height, 34.65 ft or 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.

REMARKS.--Records fair. See following pages for tables of mean daily gage height for water years 1972-75. Records of chemical analyses for the current year are published in the water-quality section of this report.

COOPERATION.--Gage-height record and 11 discharge measurements furnished by Corps of Engineers.

REVISIONS (WATER YEARS).--WSP 1504: 1948. WRD Miss. 1972: Drainage area.

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	688	680	2340	22600	3450	4650	28800	2530	2860	726	2490	473
2	620	652	1930	18600	4310	4760	20000	2300	2410	678	3660	455
3	580	640	1680	14500	7790	3520	14000	2410	2140	744	4530	424
4	544	644	1500	13500	10200	3010	9690	2950	1750	670	3860	402
5	528	3030	1370	10400	12000	2650	7000	2360	1390	618	5450	408
6	504	2460	1310	8280	8380	2460	5530	2180	1200	590	3470	2010
7	500	2250	7180	6770	7360	2340	4510	3340	1280	1040	2930	2440
8	497	1740	10100	5670	6750	2290	3860	3420	1800	1230	2770	1990
9	493	1430	5590	5240	5820	2160	3610	2980	1240	1470	2530	1480
10	479	1280	4130	8100	4940	2750	4530	2820	6000	2350	2000	1300
11	500	1200	3900	14300	4310	7980	3770	2810	14300	3820	1570	1300
12	500	1250	4700	18900	5580	14500	3570	3230	11300	2730	1320	1500
13	472	1220	3900	18200	4520	28500	3400	2480	6350	2160	1100	1550
14	458	1200	3360	15800	3880	73100	4610	2080	4740	1470	969	1450
15	500	1070	2640	12100	3670	87600	5000	3040	4400	1180	870	1270
16	940	1020	1950	4310	10000	40500	3880	5190	3930	996	933	1090
17	980	1020	2990	7180	13300	21100	3320	7610	3310	879	1440	1760
18	1010	1080	2750	5700	11400	13900	3010	6500	2570	789	1650	2760
19	794	3270	2430	6300	11300	12300	4480	8520	1960	893	2050	2010
20	696	6820	2110	11000	10400	8780	5720	8980	1740	735	1640	3130
21	428	4840	1880	7940	9270	6740	4180	6420	1500	789	1300	3020
22	512	3700	1660	6780	7630	5660	3840	4670	1690	2080	1020	2190
23	588	2580	1590	6670	7590	4800	3290	3560	1340	1300	861	2260
24	580	2060	8130	6010	8780	9540	2880	2670	1150	1390	794	2750
25	580	2290	17000	5860	6150	11100	2580	2030	1010	3410	708	2710
26	580	2280	15300	5310	5240	7620	2550	1730	893	2530	638	2470
27	580	2030	13500	4480	5600	7710	2530	2270	821	2750	574	2050
28	580	1730	10400	3910	5460	6310	2320	2060	803	2250	526	1700
29	576	1560	20300	3520	---	11700	2370	2630	785	2160	490	1450
30	456	1920	26400	3880	---	26900	2390	4180	749	2020	466	1240
31	632	---	27900	3610	---	33600	---	2970	---	1560	462	---
TOTAL	18875	58946	221060	295820	205080	470540	171220	112920	87411	48007	55071	51042
MEAN	608	1964	7130	9542	7324	15178	5707	3642	2913	1548	1776	1701
MAX	1010	6820	27900	22600	13300	87600	28800	4980	14300	3820	5450	3130
MIN	458	640	1310	3520	3450	2160	2320	1730	749	590	462	402
CFSM	3.2	1.02	3.71	4.56	3.81	7.89	2.97	1.89	1.51	.80	.92	.88
IN.	.36	1.14	4.27	5.72	3.97	9.10	3.31	2.18	1.69	.93	1.06	.99

CAL YR 1974 TOTAL 1735272 MEAN 4754 MAX 31500 MIN 332 CFSM 2.47 IN 33.55
WTS YR 1975 TOTAL 1795592 MEAN 4920 MAX 87000 MIN 402 CFSM 2.56 IN 34.73

PEAK DISCHARGE (BASE, 15,000 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12-25	2000	22.83	18,300	03-15	0500	31.82	96,600
12-31	0500	25.98	29,400	03-31	1800	27.08	35,900
01-11	1500	23.65	20,400				

MOBILE RIVER BASIN

51

02437000 Tombigbee River near Amory, Miss.--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.49	4.39	5.18	9.22	9.22	6.85	11.00	6.16		7.64	6.14	3.62
2	4.39	4.45	5.20	19.73	8.88	13.25	11.03	6.14		6.26	5.39	3.55
3	4.30	4.98	6.71	21.75	8.55	16.61	10.74	6.64		6.88	5.06	3.48
4	4.25	5.78	8.10	22.88	8.15	13.19	13.49	6.54		8.72	4.78	3.50
5	4.68	6.13	7.95	25.90	7.72	12.05	13.37	6.20		7.96	4.56	3.67
6	4.78	5.51	9.62	24.54	7.71	11.11	11.69	5.79		7.82	4.31	3.63
7	4.85	5.16	15.39	23.16	9.32	10.18	11.18	6.57		7.49	4.16	3.60
8	4.73	4.96	11.98	21.52	8.66	14.49	10.78	19.12		6.73	4.07	3.73
9	4.57	4.81	10.71	19.49	8.14	13.40	10.27	19.01	4.42	5.83	3.91	3.73
10	4.40	4.73	11.20	20.21	7.76	11.73	9.83	17.02	4.34	5.29	4.05	3.73
11	4.28	4.70	11.30	20.51	7.52	11.23	9.22	15.13	4.30	4.95	4.14	3.80
12	4.21	4.70	11.21	17.94	7.39	10.70	8.70	12.44	4.33	4.70	3.96	3.61
13	4.20	4.68	16.68	17.18	8.26	10.33	8.15	13.40	4.67	4.49	4.99	3.52
14	4.16	4.60	13.27	19.54	8.21	10.01	7.74	11.68	4.47	4.38	4.53	3.45
15	4.12	4.56	12.36	14.94	8.00	9.49	7.38	10.39	4.49	4.27	4.98	3.40
16	4.10	4.51	12.82	12.95	7.66	11.29	11.57	9.21	6.17	4.23	4.62	3.40
17	4.08	4.42	15.11	11.54	8.15	10.91	10.34	8.38	6.30	4.46	4.35	3.51
18	4.05	4.55	14.52	10.54	8.26	10.02	9.58	8.23	6.74	4.49	4.14	6.28
19	4.05	4.78	12.94	9.69	8.04	9.77	8.90	7.94	5.34	4.31	3.94	7.28
20	4.03	5.00	12.60	9.09	7.51	9.26	8.23	7.21	4.88	4.24	3.82	6.74
21	4.03	5.18	11.63	8.73	7.16	8.87	7.91	6.70	4.60	4.13	3.74	5.70
22	4.04	5.09	10.51	8.56	7.00	8.59	11.00	6.26	4.40	3.67	5.07	5.07
23	4.09	4.90	9.64	8.49	7.08	8.44	9.34	6.02	4.25	4.02	3.65	4.68
24	4.31	4.80	8.89	8.30	7.10	8.68	8.03	5.95	4.15	3.92	3.76	4.60
25	4.70	4.75	8.25	8.10	7.05	9.22	7.10	7.28	5.21	3.48	4.57	4.65
26	5.21	4.77	7.75	7.87	6.95	10.18	6.60	7.05	8.55	3.98	5.15	4.43
27	5.21	4.77	7.34	7.62	6.98	9.68	6.31	6.69	8.22	4.14	4.49	4.36
28	5.00	4.75	7.07	8.12	6.99	9.99	6.10	6.05	7.72	4.03	4.12	4.40
29	4.80	4.90	6.87	10.08	6.80	11.24	6.07	5.65	8.49	3.95	3.94	4.80
30	4.60	5.12	7.06	10.87	-----	10.75	6.25	5.69	7.95	4.22	3.81	6.24
31	4.48	-----	9.00	9.81	-----	10.48	-----	6.05	-----	6.71	3.73	-----
MEAN	4.43	4.88	10.29	14.38	7.80	10.71	9.27	8.79		5.24	4.34	4.35
MAX	5.21	6.13	16.68	25.90	9.32	16.61	13.49	19.12		8.72	6.14	7.28
MIN	4.03	4.39	5.18	7.62	6.80	6.85	6.07	5.59		3.92	3.65	3.40

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.18	6.92	12.72	13.93	16.15	8.45	18.02	17.63	11.23	5.75	6.48	5.71
2	6.28	7.34	11.75	11.60	18.50	9.79	16.84	15.48	10.47	6.40	6.12	5.38
3	5.38	7.80	10.72	12.97	15.58	13.85	16.46	15.76	9.37	6.42	5.68	5.43
4	4.92	7.56	9.97	22.50	14.08	12.65	15.19	13.88	8.14	6.12	5.41	5.30
5	4.70	6.91	9.23	23.10	13.00	14.00	13.68	12.31	7.42	8.79	5.27	5.16
6	4.61	6.16	9.39	23.55	12.23	12.20	12.49	11.34	10.29	8.25	5.14	5.00
7	4.60	6.45	10.05	23.63	11.53	17.86	14.50	12.39	9.20	7.24	5.07	5.15
8	4.43	10.58	8.87	23.50	15.09	16.95	17.41	15.14	9.06	8.61	5.00	5.16
9	4.28	8.29	15.87	22.00	19.92	16.25	14.57	12.20	8.52	7.40	5.01	5.00
10	4.17	8.10	20.62	20.10	16.16	15.40	13.79	11.02	7.84	7.66	5.18	4.97
11	4.08	8.30	22.72	18.40	15.28	19.62	13.18	10.48	7.25	10.23	5.25	4.89
12	4.00	8.52	21.92	16.52	15.34	22.43	12.68	13.30	6.98	9.13	5.44	4.82
13	3.92	8.63	22.02	14.28	15.63	20.32	12.16	11.62	6.96	7.60	6.15	4.77
14	3.89	11.57	22.01	12.46	22.38	19.85	11.39	10.50	7.30	6.70	8.56	4.78
15	4.36	9.09	22.60	11.34	23.25	22.47	10.64	9.73	7.30	6.62	6.20	4.88
16	4.22	8.12	21.84	10.52	22.12	29.42	12.42	9.06	7.16	7.70	5.91	5.20
17	4.08	7.86	19.71	9.81	21.65	34.34	15.10	8.44	6.68	10.75	5.60	5.12
18	3.99	7.25	18.48	9.34	20.08	32.60	15.46	7.78	6.60	9.36	5.38	4.99
19	4.08	10.93	17.01	10.34	17.86	28.25	20.92	7.51	6.41	8.48	5.21	4.88
20	4.02	12.79	16.15	9.40	15.62	24.51	17.93	10.16	7.60	8.54	5.12	4.81
21	4.01	9.40	14.73	13.20	13.59	21.70	17.18	9.19	7.29	7.35	5.06	4.79
22	4.06	8.90	13.28	20.85	12.10	19.51	16.58	8.92	7.68	6.91	4.96	4.76
23	6.53	8.70	11.92	19.31	11.16	17.64	16.67	8.60	7.70	6.30	4.88	4.70
24	6.21	8.58	10.98	19.38	10.52	16.21	22.34	9.00	7.18	6.00	4.80	4.69
25	5.88	12.07	10.32	16.56	9.84	21.32	23.04	8.94	6.76	5.80	4.77	4.69
26	5.34	15.73	9.75	17.21	9.44	20.43	22.65	8.69	6.40	5.68	4.74	4.66
27	6.29	11.53	9.27	19.68	9.10	18.41	23.80	9.00	6.12	5.69	4.70	4.63
28	9.34	15.33	8.73	17.65	8.72	18.14	22.43	14.15	6.08	5.88	4.70	4.68
29	7.88	16.13	8.30	16.96	-----	17.46	20.90	11.24	6.22	5.70	4.68	4.76
30	7.49	13.25	8.80	15.81	-----	17.03	19.53	11.11	5.84	5.50	4.66	5.10
31	7.28	-----	16.68	14.82	-----	19.47	-----	11.56	-----	5.37	5.89	-----
MEAN	5.18	9.63	14.40	16.38	15.21	19.31	16.67	11.17	7.64	7.22	5.39	4.96
MAX	9.34	16.13	22.72	23.65	23.25	34.34	23.80	17.63	11.23	10.75	8.56	5.71
MIN	3.89	6.16	8.30	9.34	8.72	8.45	10.64	7.51	5.84	5.37	4.68	4.63

MOBILE RIVER BASIN

02437000 Tombigbee River near Amory, Miss.--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.93	6.34	22.80	16.34	19.63	11.38	11.98	7.60	14.56	5.86	5.60	7.17
2	4.93	6.50	20.68	14.33	20.67	10.86	19.12	7.62	18.36	5.77	5.45	7.50
3	4.93	6.25	17.90	15.73	23.84	10.45	18.67	7.80	14.74	5.70	5.60	13.93
4	4.97	5.96	16.55	21.65	22.30	10.00	16.20	8.16	14.82	5.70	5.60	9.43
5	4.99	6.30	16.21	20.65	20.93	9.66	15.65	9.20	16.30	5.71	5.40	7.56
6	4.90	6.29	13.48	19.60	19.87	9.48	15.16	9.37	16.90	6.34	5.40	6.67
7	4.94	6.18	11.70	20.75	18.98	9.32	14.25	8.97	15.08	6.29	5.32	6.22
8	6.24	7.86	10.62	18.50	17.28	9.09	15.32	8.64	18.67	7.89	5.34	7.19
9	10.12	8.96	9.68	18.80	15.72	8.88	13.60	9.21	17.65	7.52	5.36	8.87
10	8.12	7.31	8.92	21.07	14.22	8.71	11.70	9.25	15.56	7.72	5.40	8.47
11	8.10	6.62	8.40	24.13	12.88	8.66	10.60	9.28	15.78	7.73	5.85	7.82
12	6.95	6.17	8.03	26.60	11.90	9.18	14.52	15.69	15.38	7.60	6.43	7.22
13	5.85	5.96	7.84	26.82	11.20	9.31	21.45	12.92	15.94	7.71	9.96	8.07
14	5.70	5.84	7.69	25.30	11.36	8.99	18.30	11.40	13.60	7.87	8.95	8.12
15	6.15	5.76	7.63	24.68	15.72	8.62	17.15	15.26	11.66	7.55	8.00	8.52
16	6.24	5.74	7.36	22.54	17.93	8.50	16.93	22.55	10.20	7.00	6.82	7.37
17	5.90	5.72	7.19	20.71	17.16	8.48	15.40	22.20	9.04	6.36	6.39	6.81
18	5.63	5.76	7.05	19.38	16.20	8.32	13.46	20.98	8.84	5.85	5.85	6.33
19	5.42	5.76	6.97	17.88	17.90	8.24	11.92	19.85	9.42	5.60	5.61	6.01
20	5.30	5.74	9.32	18.15	17.00	10.79	10.61	17.68	8.58	5.66	5.41	5.79
21	5.21	13.25	10.33	21.04	15.98	17.92	9.61	15.50	8.08	5.42	5.20	5.71
22	5.16	13.26	9.52	18.24	20.21	19.46	12.75	14.87	7.61	5.43	5.25	5.46
23	5.12	10.57	8.86	19.52	17.78	17.08	13.79	21.44	7.26	6.50	5.15	5.37
24	5.07	11.30	8.70	22.64	16.25	18.14	11.67	21.14	7.04	7.68	5.21	5.32
25	5.05	11.65	17.50	24.84	15.70	17.08	10.47	17.04	6.81	7.14	5.04	5.31
26	5.01	12.06	22.36	24.43	14.48	15.04	9.39	15.82	6.61	6.78	4.88	5.50
27	5.00	18.42	22.95	23.68	13.18	13.24	8.84	17.60	6.40	8.41	4.83	5.66
28	5.13	24.87	21.30	23.24	12.12	12.01	8.43	14.96	6.24	7.60	4.79	5.88
29	5.47	24.74	20.66	24.06	-----	15.30	8.08	12.80	6.11	6.88	4.85	5.86
30	5.60	23.86	19.51	21.59	-----	14.18	7.82	11.60	5.99	6.25	6.12	5.70
31	5.71	-----	17.69	20.84	-----	12.46	-----	10.66	-----	5.80	6.83	-----
MEAN	5.74	9.70	13.08	21.24	16.73	11.58	13.43	13.78	11.64	6.69	5.87	7.03
MAX	10.12	24.87	22.95	26.82	23.84	19.46	21.45	22.55	18.67	8.41	9.96	13.93
MIN	4.90	5.72	6.97	14.33	11.20	8.24	7.82	7.60	5.99	5.42	4.79	5.31

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.47	5.45	8.70	24.42	10.46	12.30	25.88	9.51	10.09	6.08	9.43	5.45
2	5.30	5.39	7.97	22.95	11.78	12.48	23.57	9.10	9.30	5.97	11.50	5.40
3	5.20	5.35	7.50	21.41	15.97	10.57	21.25	9.30	8.82	6.12	13.02	5.31
4	5.11	5.36	7.15	20.72	18.55	9.79	18.99	10.25	8.13	5.95	11.86	5.24
5	5.07	9.73	6.90	18.74	19.88	9.23	16.75	9.20	7.48	5.82	14.55	5.26
6	5.01	8.90	6.77	16.53	17.03	8.90	14.67	8.88	7.10	5.75	11.16	8.58
7	5.00	8.55	14.81	15.30	15.96	8.70	12.98	10.93	7.25	6.78	10.21	9.35
8	4.99	7.62	18.52	13.82	15.28	8.61	11.85	11.82	8.21	7.15	9.93	8.55
9	4.98	7.01	13.70	13.20	14.03	8.39	11.41	10.30	7.18	7.62	9.50	7.64
10	4.94	6.71	11.50	16.03	12.75	9.39	13.01	10.02	13.95	9.19	8.57	7.30
11	5.00	6.55	11.16	23.24	11.78	15.89	11.70	10.00	21.40	11.78	7.80	7.30
12	5.00	6.66	12.38	23.07	13.68	21.22	11.35	10.75	19.95	9.86	7.33	7.67
13	4.92	6.60	11.15	22.78	12.10	24.99	11.05	9.41	15.90	8.85	6.90	7.76
14	4.88	6.55	10.33	21.80	11.13	30.57	13.15	8.70	13.36	7.62	6.62	7.58
15	5.00	6.30	9.27	19.56	10.80	31.35	13.80	10.40	12.80	7.06	6.40	7.24
16	6.04	6.20	8.00	17.84	17.90	28.20	11.89	14.11	11.98	6.68	6.54	6.88
17	6.12	6.20	9.75	15.75	20.62	24.80	10.91	17.38	10.88	6.42	7.56	8.14
18	6.18	6.32	8.38	13.86	14.48	22.35	10.36	15.12	9.57	6.22	7.95	9.92
19	5.72	9.94	8.25	14.63	19.42	21.68	12.81	18.15	8.50	6.45	8.65	8.58
20	5.49	15.24	8.29	14.20	18.71	19.21	14.97	18.51	8.10	6.10	7.93	10.56
21	5.32	12.60	7.84	16.59	17.81	18.10	12.41	16.00	7.68	6.22	7.30	10.37
22	5.24	10.85	7.48	15.31	16.25	16.70	11.82	13.25	8.02	8.70	6.73	8.90
23	5.22	9.11	7.33	15.18	16.21	15.37	10.85	11.32	7.38	7.29	6.38	9.02
24	5.20	8.20	14.34	14.30	17.39	19.69	10.13	9.75	7.00	7.48	6.23	9.89
25	5.20	8.62	22.31	14.09	14.50	21.11	9.60	8.62	6.70	11.06	6.04	9.82
26	5.20	8.50	21.60	13.30	13.20	18.95	9.54	8.09	6.45	9.51	5.87	9.40
27	5.20	8.15	20.75	12.05	13.71	19.01	9.50	9.04	6.29	9.89	5.71	8.66
28	5.20	7.60	23.26	11.17	13.52	17.55	9.14	8.68	6.25	9.01	5.59	8.03
29	5.19	7.28	23.63	10.57	---	20.35	9.23	8.68	6.21	8.85	5.50	7.58
30	5.39	7.95	24.39	11.13	---	25.51	9.25	12.42	6.13	8.60	5.43	7.18
31	5.32	---	25.71	10.70	---	26.70	---	10.28	---	7.78	5.42	---
MEAN	5.26	7.84	12.49	16.78	15.35	18.71	13.13	11.29	9.60	7.67	8.05	7.95
MAX	6.18	15.24	25.71	24.42	20.62	31.35	25.88	14.51	21.40	11.78	14.55	10.56
MIN	4.88	5.35	6.77	10.57	10.46	8.39	9.14	8.09	6.13	5.75	5.42	5.24

MOBILE RIVER BASIN

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02437500 Tombigbee River at Aberdeen, Miss.

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

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

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

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 miles (2.3 km) upstream, and Nov. 6, 1934 to Aug. 30, 1939, nonrecording gage at present site, all at present datum.

AVERAGE DISCHARGE.--34 years (1928-58, 1971-75), 3,304 ft³/s (93.57 m³/s), 20.69 in/yr (507 mm/yr).

EXTREMES.--Current year: Maximum discharge, 81,800 ft³/s (2,320 m³/s) Mar. 15 (gage height, 41.83 ft or 12.750 m); minimum, 382 ft³/s (10.82 m³/s) Oct. 14, 15 (gage height, 4.86 ft or 1.481 m).
Period of record: Maximum discharge, 123,000 ft³/s (3,480 m³/s) Mar. 18, 1973 (gage height, 45.02 ft or 13.722 m); 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.
A flood on Mar. 23, 1955, reached a stage of 45.3 ft (13.81 m), and a stage of 44.8 ft (13.66 m) occurred April 20, 1892 at former site.

REMARKS.--Records good. See following pages for tables of mean daily gage height for water years 1972-75. Records of chemical analyses for the current year are published in the water-quality section of this report.

REVISIONS.--WRD Miss. 1972: Drainage area.

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	618	526	2580	29000	3340	4960	32200	2860	2970	730	1720	552
2	546	537	2140	24800	3780	4220	29100	2550	2610	701	4110	552
3	496	528	1750	20200	6120	3640	22000	2500	2270	680	4200	548
4	463	517	1460	17100	8790	3140	16500	3700	1930	596	4300	539
5	442	1450	1270	14600	9990	2740	13200	2930	1560	643	5100	522
6	429	2760	1170	12600	10500	2520	11000	2400	1310	610	5060	1090
7	418	2120	3750	10900	5600	2360	8730	2740	1210	732	3240	2340
8	414	1740	4030	9120	8360	2240	5350	5730	1660	1740	2760	2120
9	412	1290	4240	7350	7210	2140	4210	4050	1450	1690	2560	1520
10	408	1040	6170	5960	5930	2440	4790	3150	2950	2150	2170	1260
11	406	978	4100	11800	4630	4530	4600	2980	7630	3890	1740	1120
12	418	996	4330	15900	4850	7930	3950	3270	10200	3440	1380	1230
13	406	1010	4170	17600	5310	14200	3680	2910	10400	2510	1110	1540
14	388	993	3600	17500	4100	42500	5710	2320	8670	1630	457	1330
15	394	915	3060	15800	3700	74400	7180	2250	6610	1300	854	1240
16	407	855	4420	13600	6590	72700	5960	4520	4950	1080	800	1020
17	421	847	3470	11700	11700	44800	4240	5940	3770	442	1280	957
18	421	957	2310	9880	13200	29500	3500	5440	2840	836	1560	3080
19	716	1460	2490	7960	13100	22500	3700	4340	2110	787	2220	2130
20	596	6140	2140	9230	12400	17700	6230	7740	1810	521	1760	2040
21	524	7170	1470	4770	11700	14200	5410	4170	1630	740	1500	3640
22	496	4900	1660	4830	10800	12010	4320	7050	1530	1270	1190	2240
23	479	3120	1510	7610	9770	10400	3720	4520	1390	1520	451	2010
24	467	2110	4170	6750	9560	10400	3140	3090	1200	1250	808	2490
25	467	1950	10100	6710	8920	12400	2440	2220	1040	2350	749	2410
26	467	2360	13000	6360	7160	12500	2920	1770	930	3140	704	2520
27	467	2030	13700	5170	5660	11610	3000	2000	850	2740	662	2150
28	463	1710	14500	4150	5740	10900	2750	2040	805	2440	627	1740
29	463	1460	17200	3620	---	10510	2450	2240	769	2160	596	1450
30	494	1390	22500	4520	---	14710	2530	3450	751	1940	568	1240
31	524	---	22500	3650	---	24400	---	3580	---	1700	552	---
TOTAL	15538	55935	200050	449510	222570	505240	225360	114510	49835	49024	57792	49180
MEAN	501	1864	6453	11267	7248	16249	7645	3855	2994	1541	1864	1539
MAX	921	7170	24900	24000	13200	74400	32200	8170	10400	3490	5100	3640
MIN	388	517	1170	3520	3340	2140	2450	1770	610	552	522	522
CFSM	.23	.46	2.49	5.42	3.66	7.51	3.52	1.74	1.33	.73	.86	.75
IN.	.27	.96	3.43	6.00	3.82	8.47	3.93	2.05	1.54	.84	.99	.84

CAL YR 1974 TOTAL 1800452 MEAN 4932 MAX 31500 MIN 388 CFSM 2.27 IN 30.44
WTR YR 1975 TOTAL 1443592 MEAN 5326 MAX 74400 MIN 388 CFSM 2.45 IN 33.34

MOBILE RIVER BASIN

02437500 Tombigbee River at Aberdeen, Miss.--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1				12.15		8.56	14.48	7.65	6.96	9.60		3.42
2				23.52		15.99	14.84	7.64	6.78	9.03	6.72	3.33
3				29.29		24.31	14.64	9.19	6.16	8.47	5.80	3.26
4				33.69	10.90	23.77	16.85	8.84	5.74	9.91	5.38	3.22
5				37.34	10.10	21.04	20.48	7.95	5.43	9.87		3.37
6				38.07	9.65	17.64	18.20	7.22	5.20	9.86		3.49
7				37.27	11.45	15.01	16.00	7.62	5.04	9.40		3.44
8				35.98	12.16	17.57	14.88	21.10	4.88	8.63		3.48
9				34.14	11.06	21.71	14.30	22.00	4.75	7.38		3.65
10				32.48	10.25	19.96	14.38	26.40	4.63	6.29		3.55
11				32.40	9.75	16.69	12.47	25.30	4.51	5.67		3.62
12				31.43	9.46	15.08	11.70	23.19	4.44			3.54
13				29.63	10.21	14.17	10.85	20.52	4.70			3.34
14				27.94	10.96	13.52		18.69	4.82			3.25
15				26.27	10.54	12.80		15.04	4.64			3.16
16				24.00	9.99	13.37	11.27	12.93	5.82			3.13
17				20.17	10.20	15.87	16.18	11.27	7.39			3.18
18				15.78	11.02	13.96	13.17		7.73			4.96
19				13.54	11.08	13.26	12.16		6.54			10.20
20				12.42	9.95	12.50			5.58			8.60
21				11.67	9.26	11.85		8.30	5.06			7.14
22				11.33	8.86		19.45	7.62	4.71			5.74
23				11.04	8.88		21.24	7.15	4.45			5.26
24				10.91	8.93		15.22	6.90	4.28			4.67
25				10.64	8.93			7.80	4.54			4.78
26					8.92	13.90		8.75	10.85			4.69
27					8.91	13.06	8.30	8.25	10.74			4.32
28					8.88	13.90	7.75	7.48	9.53			4.64
29					8.74	15.51	7.50	6.76	12.04			4.82
30					-----	16.17	7.85	6.38	10.52		3.65	6.19
31		-----			-----	14.37	-----	6.95	-----		3.51	-----
MEAN									6.28			4.45
MAX									12.04			10.20
MTN									4.28			3.13

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.83	8.63			23.13		27.86	30.80	14.64			5.86
2	7.30	9.72			25.56		27.17	28.57	13.68			5.30
3	6.59	11.86			25.65		25.72	26.12	12.34			5.01
4	5.48	9.74			23.89		24.40	23.91				5.04
5	4.98	9.03			21.30		22.62	20.50				4.81
6	4.81	7.71			18.38		19.78	16.25		13.15		4.60
7	4.76	7.13			16.34	22.55	18.35	15.02	12.70			4.46
8	4.63	12.51			18.35	24.57	22.70	20.44				4.79
9	4.37	12.10	14.42		24.79	24.36	23.37	19.85				4.57
10	4.17	10.25	22.60		26.14	23.36	21.63	15.93				4.45
11	4.02	10.28	28.12		24.62	24.26	19.52	13.91		11.21		4.35
12	3.90	10.58	30.82		23.07	29.04	17.95	16.51		12.89		4.21
13	3.82	10.43	31.73		22.19	31.07	16.83	19.30				4.10
14	3.72	13.64	32.58		27.32	30.41	15.72	15.10			10.47	4.13
15	3.74	13.87			32.69	30.57	14.45	13.11				4.33
16	4.29	10.74		16.68	33.96	38.21	14.78				7.97	4.53
17	4.02	9.92		13.82	33.49	43.38	20.58					4.72
18	3.88	9.34		12.74	32.63	44.73	21.26			12.41		4.48
19	3.79	11.99		12.63		42.95	26.33					4.28
20	3.86	18.63		13.64		40.29	28.10					4.12
21	3.83	14.80		14.36		37.93	27.05	13.52				4.05
22	3.85	12.00		24.34		35.36	25.60					3.97
23	6.31	11.27		27.41		32.43	24.52					3.90
24	8.98	11.01		27.34		29.81	27.03				4.11	3.84
25	7.10	13.66		27.76		30.11	31.96					3.82
26	6.36	21.07		25.17		31.81	33.92					3.76
27	6.35	20.07		26.33		31.07	34.68					3.76
28	12.38	19.13		27.19		29.40	35.40	16.74				3.82
29	11.00	23.28		26.53	-----	28.09	34.42	17.75				3.91
30	9.58	22.35		27.30	-----	26.94	32.72	14.52			4.01	4.56
31	8.79	-----		23.74	-----	27.20	-----	14.53	-----		4.88	-----
MEAN	5.76	12.87					24.55					4.38
MAX	12.38	23.28					35.40					5.86
MIN	3.72	7.13					14.45					3.76

02437500 Tombigbee River at Aberdeen, Miss.--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.76	5.92	35.74	28.34	32.36	15.48	17.10	9.07	15.93	6.60	6.20	10.56
2	4.49	6.65	34.54	26.25	30.71	14.34	21.06	8.90	22.13	6.41	5.89	11.81
3	4.41	6.55	32.36	24.17	32.64	13.56	24.93	9.22	23.48	6.28	5.91	15.24
4	4.38	6.01	30.04	26.49	34.57	12.92	25.70	9.45	21.68	6.15	6.16	15.76
5	4.50	7.46	28.31	29.21	33.67	12.41	24.37	10.70	21.65	6.15	6.14	10.37
6	4.33	7.05	26.11	29.61	32.04	11.99	22.83	11.70	25.46	6.85	5.83	8.24
7	4.24	6.45	22.30	30.40	30.75	11.70	21.33	11.34	26.16	7.31	5.67	7.33
8	7.85	10.73	16.53	30.27	29.27	11.39	20.06	10.61	26.20	8.15	5.90	7.22
9	10.00	18.76	13.08	29.24	27.35	11.03	20.56	10.63	26.84	8.88	5.80	11.95
10	10.59	11.57	11.59	29.49	24.97	10.72	17.63	11.59	26.10	9.08	5.76	11.74
11	8.91	8.12	10.59	32.38	21.79	10.86	14.47	11.16	24.25	8.90	5.91	10.50
12	8.23	6.88	9.91	36.65	17.80	14.55	14.04	17.86	23.02	8.92	6.01	9.28
13	6.35	6.34	9.51	38.55	15.37	12.77	25.38	20.95	24.14	8.75	9.53	9.21
14	6.43	6.03	9.22	38.70	14.33	11.67	29.04	17.11	23.03	9.04	12.16	9.97
15	7.23	5.86	9.04	38.22	18.20	10.91	28.59	17.33	19.61	9.09	10.36	11.74
16	6.56	5.71	8.77	37.24	22.82	10.48	26.99	26.21	14.92	8.44	8.70	10.14
17	6.13	5.62	8.41	35.14	24.82	10.42	25.73	29.90	12.13	7.52	7.48	8.52
18	5.65	5.60	8.16	32.77	24.36	10.21	24.06	31.15	11.42	6.75	6.85	7.62
19	5.24	5.65	8.00	30.60	24.12	10.03	20.78	30.70	13.87	6.24	6.30	7.02
20	4.96	5.61	11.50	29.02	24.73	12.71	16.08	29.58	11.55	6.45	5.94	6.61
21	4.78	14.86	15.51	30.04	24.34	19.18	13.09	27.61	10.39	6.08	5.67	6.32
22	4.66	22.04	13.09	30.10	26.57	24.73	12.37	25.04	9.50	5.78	5.49	6.02
23	4.56	17.50	11.83	28.96	28.00	25.81	19.32	24.69	9.86	6.32	5.40	5.78
24	4.49	14.45	10.87	30.63	26.94	24.87	17.96	27.91	9.50	8.21	5.33	5.64
25	4.41	14.27	18.36	34.59	25.07	24.66	14.78	28.85	8.39	8.48	5.33	5.56
26	4.37	15.91	28.53	36.73	23.25	23.90	12.61	27.57	7.85	7.91	5.16	5.69
27	4.31	22.13	33.06	36.98	20.79	21.67	11.32	26.71	7.49	9.00	5.02	5.98
28	4.45	31.60	33.61	36.44	17.66	17.92	10.57	25.46	7.18	9.61	4.90	6.30
29	4.94	35.09	32.50	36.66	-----	20.80	9.96	22.79	6.96	8.58	4.93	6.41
30	5.28	36.15	31.41	36.22	-----	23.45	9.44	18.17	6.77	7.42	6.43	6.30
31	5.47	-----	30.00	34.33	-----	20.90	-----	14.46	-----	6.68	9.85	-----
MEAN	5.71	12.42	19.43	32.40	25.33	15.74	19.07	19.50	16.58	7.61	6.54	8.69
MAX	10.59	36.15	35.74	38.70	34.57	25.81	29.04	31.15	26.84	9.61	12.16	15.76
MIN	4.24	5.60	8.00	24.17	14.33	10.03	9.44	8.90	6.77	5.78	4.90	5.56

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.97	5.55	11.35	37.80	13.75	17.57	38.39	12.55	12.83	6.45	9.59	5.67
2	5.64	5.60	10.70	39.80	14.74	15.46	37.81	11.78	11.92	6.33	15.57	5.67
3	5.41	5.56	9.66	35.24	20.03	14.47	35.92	11.65	11.04	6.24	15.77	5.65
4	5.25	5.51	8.84	33.67	24.63	13.24	33.25	14.60	10.16	6.31	16.02	5.61
5	5.15	4.67	9.30	31.94	26.34	12.34	30.52	12.69	9.13	6.08	17.86	5.53
6	5.09	12.28	7.99	24.84	27.10	11.71	27.73	11.39	8.41	5.93	17.77	7.53
7	5.04	10.67	13.77	27.59	25.79	11.28	24.48	12.12	8.11	6.43	13.46	11.24
8	5.02	9.64	23.51	25.05	24.01	11.07	19.69	19.22	9.41	9.71	12.31	10.66
9	5.01	8.34	23.84	22.39	22.18	10.42	15.83	15.40	9.81	9.51	11.79	9.30
10	4.99	7.68	20.13	21.68	19.65	11.47	17.17	13.28	12.04	10.74	10.78	8.27
11	4.98	7.36	15.56	24.77	16.81	16.52	16.74	12.84	22.82	14.93	9.64	7.81
12	5.04	7.42	16.11	32.85	17.32	23.28	15.22	13.56	26.59	13.92	4.61	8.15
13	4.98	7.47	15.71	33.98	18.34	30.27	14.58	12.66	26.86	11.68	7.79	9.19
14	4.89	7.41	13.91	33.93	15.71	39.35	19.16	11.17	24.42	9.48	7.28	8.46
15	4.92	7.15	13.02	32.84	14.61	41.49	22.12	11.00	21.00	8.37	6.95	8.18
16	5.90	6.94	16.33	30.95	20.81	41.39	19.50	16.68	17.54	7.68	6.73	7.48
17	6.81	6.91	14.03	28.74	28.75	39.74	15.88	19.67	14.77	7.24	8.30	7.29
18	6.81	7.29	12.42	26.18	30.59	37.38	14.14	21.77	12.48	6.87	9.13	13.01
19	6.39	8.80	11.60	23.46	36.04	36.04	14.51	21.77	10.62	6.68	10.89	10.66
20	5.87	20.15	10.72	25.22	29.64	33.99	20.25	23.13	9.83	6.81	9.70	10.41
21	5.56	22.12	10.00	26.03	28.57	31.51	18.56	23.74	9.33	6.49	8.98	14.44
22	5.41	17.43	9.43	24.66	27.50	29.17	16.08	21.88	9.05	8.23	8.04	11.01
23	5.33	13.15	4.00	22.83	26.03	26.44	14.66	17.21	8.66	9.04	7.26	10.37
24	5.27	10.62	14.45	21.32	25.73	26.31	13.33	13.04	8.07	8.20	6.76	11.62
25	5.27	10.20	25.42	21.21	24.79	29.57	12.50	10.91	7.58	11.11	6.53	12.43
26	5.27	11.29	30.24	20.51	22.10	29.79	12.67	9.73	7.20	13.24	6.34	11.71
27	5.27	10.41	31.11	14.04	19.09	28.56	12.89	10.33	6.92	12.25	6.16	10.73
28	5.25	9.56	31.83	15.79	19.25	27.59	11.51	10.44	6.75	11.59	6.01	9.64
29	5.25	8.95	33.70	14.45	---	27.04	11.84	10.47	6.64	10.77	5.87	8.83
30	5.42	8.65	35.57	14.20	---	32.31	11.73	14.89	6.58	10.32	5.74	8.20
31	5.54	---	37.74	14.54	---	36.69	---	14.28	---	9.52	5.67	---
MEAN	5.42	9.62	17.49	26.21	22.66	25.54	19.62	14.72	12.19	8.97	9.65	9.16
MAX	6.81	22.12	37.74	37.80	30.59	41.49	38.39	23.74	26.86	14.93	17.86	14.44
MIN	4.89	5.51	7.99	14.20	13.75	10.42	11.53	9.73	6.58	5.93	5.67	5.53

MOBILE RIVER BASIN

02439400 Buttahatchee River near Aberdeen, Miss.

LOCATION.--Lat 33°47'28", long 88°18'52", in NW¼ sec.3, T.15 S., R.17 W., Huntsville meridian, Monroe County, near right bank on downstream side of bridge on county highway, 10 miles (16 km) downstream from Sipsey Creek, and 13 miles (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).

AVERAGE DISCHARGE.--9 years, 1,485 ft³/s (42.06 m³/s), 25.62 in/yr (651 mm/yr).

EXTREMES.--Current year: Maximum discharge, 32,400 ft³/s (918 m³/s) Mar. 14 (gage height, 20.01 ft or 6.099 m); minimum, 295 ft³/s (8.35 m³/s) Oct. 14, 15 (gage height, 5.50 ft or 1.676 m).
Period of record: Maximum discharge, 80,000 ft³/s (2,270 m³/s) Mar. 17, 1973 (gage height, 23.48 ft or 7.157 m, observed at crest); minimum, 117 ft³/s (3.31 m³/s) Sept. 16, 1972 (gage height, 4.26 ft or 1.298 m).

REMARKS.--Records good. Records of chemical analyses for the current year are published in the water-quality section of this report.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	460	382	724	10,100	1,760	2,040	7,970	1,230	871	580	1,570	417
2	410	360	791	8,610	1,640	1,870	6,060	1,180	764	507	2,810	415
3	380	362	748	6,350	1,920	1,790	4,190	1,090	682	469	4,220	371
4	360	365	683	4,430	2,470	1,630	3,190	1,300	606	447	3,940	351
5	340	473	638	3,430	3,070	1,480	2,590	1,380	561	425	2,020	337
6	330	889	614	3,090	3,310	1,400	2,160	1,130	529	413	1,630	410
7	320	863	767	2,660	3,150	1,330	1,900	1,280	543	639	1,420	940
8	318	595	1,610	2,270	2,620	1,280	1,750	1,900	671	896	1,070	879
9	317	504	2,040	2,170	2,130	1,260	1,700	2,060	572	1,050	871	615
10	316	466	1,800	3,310	1,870	1,250	1,970	1,610	555	871	897	513
11	312	459	1,310	6,970	1,720	1,570	2,510	1,520	1,470	1,050	840	446
12	305	507	1,140	15,900	1,820	1,900	2,510	1,430	2,230	1,910	830	793
13	299	599	1,100	12,900	2,060	5,390	1,960	1,150	2,710	2,160	773	722
14	296	541	986	7,830	2,020	21,400	2,120	1,900	2,420	1,390	658	726
15	307	495	887	5,450	1,740	25,500	2,720	1,010	1,710	906	582	537
16	442	494	845	3,940	2,440	11,700	3,190	1,460	2,080	728	581	436
17	797	544	823	3,060	5,470	7,370	3,050	1,870	2,260	611	837	418
18	630	763	773	2,530	11,000	5,610	2,460	2,190	1,490	551	1,090	505
19	469	860	728	2,220	11,200	4,800	2,060	2,060	1,030	517	1,300	630
20	411	1,100	702	2,280	8,190	4,560	2,050	1,490	893	502	1,310	534
21	377	1,880	697	2,710	6,410	5,340	2,350	1,180	1,010	630	1,390	471
22	355	2,210	668	3,060	4,530	4,470	2,210	1,010	868	760	1,010	500
23	344	1,690	637	2,700	3,440	3,350	1,780	908	798	802	777	532
24	339	1,080	1,010	2,150	2,830	3,900	1,570	824	707	653	666	1,180
25	340	937	2,230	2,330	2,630	4,710	1,460	762	606	660	592	1,910
26	342	949	3,720	2,710	2,460	6,680	1,570	709	544	1,450	530	2,050
27	338	497	7,240	3,110	2,110	6,340	1,540	670	513	1,140	484	1,360
28	338	785	7,970	3,230	1,990	4,160	1,340	685	500	872	450	985
29	337	723	6,300	2,660	-----	3,300	1,210	722	506	695	424	819
30	345	693	6,450	2,050	-----	3,530	1,200	1,010	649	593	406	714
31	400	-----	8,650	1,910	-----	5,870	-----	995	-----	649	450	-----
TOTAL	11,674	23,469	65,191	138,280	98,000	156,720	74,340	38,815	31,348	25,526	36,428	21,516
MEAN	377	782	2,103	4,461	3,500	5,057	2,478	1,252	1,045	823	1,175	717
MAX	797	2,210	8,450	15,900	11,200	25,500	7,970	2,190	2,710	2,160	4,220	2,050
MIN	296	360	614	1,910	1,640	1,250	1,200	670	500	413	406	337
CFSM	.44	.99	2.67	5.67	4.45	6.43	3.15	1.59	1.33	1.05	1.49	.91
IN.	.55	1.11	3.08	7.54	4.63	7.41	3.51	1.83	1.48	1.21	1.72	1.02
CAL YR 1974	TOTAL 674,266	MEAN 1,847	MAX 8,720	MIN 280	CFSM 2.35	IN 31.87						
WTR YR 1975	TOTAL 721,357	MEAN 1,976	MAX 25,500	MIN 296	CFSM 2.51	IN 34.10						

PEAK DISCHARGE (BASE, 6,000 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12-28	0100	15.28	8,570	03-14	2300	20.01	32,400
01-01	0700	15.93	10,400	03-26	1800	14.88	7,570
01-12	1800	18.03	19,400	04-01	0800	15.19	8,330
02-19	0100	16.74	13,200				

MOBILE RIVER BASIN

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02441000 Tibbee Creek near Tibbee, Miss.

LOCATION.--Lat 33°32'17", long 88°38'00", in SW¼ sec.4, T.19 N., R.16 E., Choctaw meridian, Clay County, 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 mile (1.1 km) north of Tibbee, 4.5 miles (7.2 km) upstream from Magee Creek, 5 miles (8 km) south of West Point, and 9.8 miles (15.8 km) upstream from Catalpa Creek.

DRAINAGE AREA.--928 mi² (2,404 km²).

PERIOD OF RECORD.--August 1928 to September 1930, October 1939 to current year. Monthly discharge only for September 1930 and October 1939, published in WSP 1304. Prior to October 1950, published as Tibbee River near Tibbee.

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.

AVERAGE DISCHARGE.--38 years (1928-30, 1939-74), 1,302 ft³/s (36.87 m³/s), 19.05 in/yr (484 mm/yr).

EXTREMES.--Current year: Maximum discharge, 51,300 ft³/s (1,450 m³/s) Mar. 14 (gage height, 29.53 ft or 9.001 m); minimum, 23 ft³/s (0.65 m³/s) Oct. 14, 15.
Period of record: Maximum discharge, 81,600 ft³/s (2,310 m³/s) Mar. 17, 1973 (gage height, 32.26 ft or 9.833 m); no flow at times many years.
Flood in December 1926 reached a stage of 31.5 ft (9.60 m), from information by local residents.

REMARKS.--Records good. Records of chemical analyses for the current year are published in the water-quality section of this report.

REVISIONS (WATER YEARS).--WSP 1504: 1929-30.

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	49	66	1330	11900	545	1060	7600	810	515	77	259	64
2	48	63	1230	9990	716	832	6430	766	328	67	1230	53
3	41	55	673	7360	2740	632	4240	649	215	60	1530	52
4	34	46	429	5200	5790	495	2090	1470	157	56	1680	43
5	36	54	303	3920	8380	420	1060	1960	126	54	1960	38
6	39	318	235	3080	8300	376	646	1630	109	49	2220	74
7	37	179	835	1770	6820	351	531	1310	120	45	2420	453
8	33	112	2170	1230	4740	388	470	4150	130	131	1490	215
9	30	86	2670	1500	1990	369	721	5390	112	867	447	116
10	29	75	3200	2390	908	419	2090	4980	142	787	261	79
11	28	77	3530	5060	756	1090	1920	3550	1010	585	223	59
12	27	67	2610	7330	1020	1490	981	1520	1620	884	269	54
13	25	83	1300	3690	1820	6500	617	776	1920	432	197	116
14	24	67	818	7800	1900	39900	1660	509	2000	216	141	160
15	25	64	590	5470	1250	40000	3980	841	1200	141	115	95
16	32	56	842	3160	3350	18800	5430	2330	855	106	137	69
17	68	60	874	1250	9080	9660	5010	4420	615	86	729	57
18	93	99	655	791	16900	6710	2790	4470	403	97	1090	1260
19	83	115	464	793	16700	6650	917	3260	276	115	1280	1980
20	70	906	364	700	10700	7050	1190	2350	506	344	1100	1410
21	60	1620	311	880	6280	6140	1650	688	1030	265	580	828
22	53	1760	271	2360	3450	4430	1380	384	898	211	273	571
23	51	2090	239	3760	1340	2270	705	283	488	133	157	397
24	56	1470	1760	4020	2350	3010	480	230	427	122	108	377
25	55	533	3950	2870	3020	5840	403	143	374	193	89	304
26	52	584	5630	2750	2470	7240	371	183	237	648	77	220
27	49	391	7750	2750	1150	6310	788	470	163	898	65	163
28	45	280	10500	1350	1190	3990	1030	588	114	812	58	130
29	41	222	10000	872	---	1540	774	283	98	505	51	109
30	45	324	4570	732	---	2560	640	604	85	296	44	93
31	63	---	11000	656	---	4690	---	643	---	173	76	---
TOTAL	1421	11922	86103	112464	125655	191262	58594	51770	16273	9455	20356	10039
MEAN	45.8	397	2777	3627	4487	6159	1953	1670	542	305	656	334
MAX	93	2090	11000	11900	16900	40000	7600	5390	2000	898	2420	1980
MIN	24	46	235	656	545	351	371	143	85	45	44	38
CFSM	.05	.43	2.99	3.91	4.84	6.65	2.10	1.80	.58	.33	.71	.36
IN.	.06	.48	3.45	4.51	5.04	7.57	2.35	2.08	.65	.38	.82	.40

CAL YR 1974 TOTAL 685429 MEAN 1877 MAX 15600 MIN 18 CFSM 2.02 IN 27.48
WTR YR 1975 TOTAL 695314 MEAN 1904 MAX 40000 MIN 24 CFSM 2.05 IN 27.87

PEAK DISCHARGE (BASE, 10,000 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
01-01	0600	24.03	12,100	03-14	2100	29.53	51,300
02-18	2300	25.45	18,200				

MOBILE RIVER BASIN

02441500 Tombigbee River at Columbus, Miss.

LOCATION.--Lat 33°29'21", long 88°25'57", in NW¼ sec.20, T.18 S., R.18 W., Huntsville meridian, Lowndes County, 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 miles (3.7 km) upstream from Luxapallila Creek, 6.7 miles (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. Gage-height records collected in this vicinity since 1890 are contained in reports of National Weather Service.

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 mile (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 miles (6.0 km) upstream at different datum. Oct. 1, 1968, to Sept. 30, 1971, auxiliary nonrecording gage 2.1 miles (3.4 km) upstream from base gage at datum 128.82 ft (39.264 m) above mean sea level.

AVERAGE DISCHARGE.--60 years, 6,447 ft³/s (182.6 m³/s), 19.50 in/yr (495 mm/yr).

EXTREMES.--Current year: Maximum discharge, 118,000 ft³/s (3,340 m³/s) Mar. 17 (gage height, 37.82 ft or 11.53 m); minimum, 800 ft³/s (22.7 m³/s) Sept. 5; minimum gage height, 2.21 ft (0.674 m) Oct. 15. Period of record: 194,000 ft³/s (5,490 m³/s) Mar. 19, 1973 (gage height, 42.22 ft or 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.

Flood of Apr. 8, 1892, 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).

REMARKS.--Records good. See following pages for tables of mean daily gage heights for water years 1972-75. Records of chemical analyses for the current year at site 2.1 miles upstream (Sta. 02441400) are published in the water-quality section of this report.

REVISIONS (WATER YEARS).--WSP 662: Drainage area. WSP 727: 1928-29. WSP 802: 1929(M). WSP 1504: 1900-1903, 1950.

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	1330	1090	4000	37800	6470	9090	25000	3450	4710	1310	2440	989
2	1200	1130	4510	40900	6190	7920	30700	3490	4160	1330	5030	962
3	1110	1110	3550	42600	11300	6840	35500	3190	3480	1230	8650	918
4	1020	1040	2430	41000	17800	5970	35300	4510	3080	1180	9310	865
5	961	1150	2510	35500	20100	5290	30800	5040	2680	1150	9310	820
6	929	2730	2260	30800	21400	4780	24300	4470	2330	1090	9590	850
7	903	3140	3450	24700	21600	4450	17200	4060	2100	1040	7580	1970
8	890	2850	4050	14300	19700	4270	11400	4920	2130	1390	5640	2550
9	877	2300	11200	15400	15500	4110	7250	12200	2680	2930	3910	2280
10	866	1990	11600	17700	11100	4050	8570	11400	2380	3360	3070	1810
11	857	1730	10100	27800	8610	5340	8880	9770	5360	3420	2850	1580
12	857	1640	4460	31900	7600	8350	7190	7410	8970	4550	2520	1470
13	864	1710	7240	35700	8820	21500	6070	5850	10900	4280	2200	1690
14	836	1750	5740	34600	8880	41400	8290	4620	11500	3660	1870	1940
15	844	1690	4740	34500	7630	69000	13100	4330	10800	2860	1630	1760
16	822	1580	4860	34900	14300	106000	14100	9450	8070	2110	1490	1560
17	1275	1590	5540	24900	23400	115000	13100	12800	6060	1740	1930	1360
18	1490	1940	4370	22400	28400	98400	10500	13800	4910	1510	3190	2040
19	1790	2100	3820	12500	35500	77900	6670	13000	3750	1380	3520	3660
20	1410	4960	3240	14400	41100	62100	6630	11600	3060	1410	3840	3380
21	1200	4630	3540	14200	40000	51100	7920	10400	2890	1500	2980	3330
22	1090	9950	2740	14700	34000	42300	7000	9190	2910	1450	2480	3210
23	1030	7310	2610	14700	26600	33300	5730	7670	2580	2000	2000	2460
24	1000	5420	7000	13100	20800	27200	4540	5250	2180	1980	1620	2650
25	487	3920	15600	14600	17600	25300	3790	3810	1990	1930	1410	3530
26	381	3480	14200	15000	15200	25100	3410	3100	1750	3260	1280	3760
27	381	3520	21400	13600	11900	24900	3740	2910	1540	4380	1160	3500
28	374	3100	24400	11000	9730	24100	4030	3430	1410	4270	1080	2900
29	364	2710	27700	4050	---	20500	3480	3150	1320	3460	1010	2260
30	654	2570	31600	7560	---	19000	3270	3790	1280	2870	945	1920
31	1020	---	35000	7210	---	20500	---	5260	---	2470	962	---
TOTAL	32535	45476	313510	732250	511230	475060	367560	210320	122960	72500	106497	63974
MEAN	1046	2522	3403	23540	16258	15472	12252	6784	4098	2338	3435	2132
MAX	1700	4950	36000	42600	41100	115000	35500	13800	11500	4550	9590	3760
MIN	836	1740	2240	1210	8140	4050	3270	2910	1280	1040	945	820
CFR	.27	.65	2.14	2.27	4.07	7.01	2.73	1.51	.91	.52	.77	.47
CV	.27	.74	2.52	2.07	4.24	8.08	3.05	1.74	1.02	.60	.88	.53

CUMULATIVE 1974 TOTAL 365552 2040 10000 848 49400 414 414 CFSM 2.24 IN 30.39
 1975 TOTAL 3655475 2040 4834 848 115000 414 420 CFSM 2.19 IN 29.74

MOBILE RIVER BASIN

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02441500 Tombigbee River at Columbus, Miss.--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1				6.23	8.47	4.90	9.18	5.19	3.32	5.66	4.00	
2				14.51	7.54	7.08	8.49	5.11	3.37	4.81	3.90	
3				18.48	6.94	14.32	7.98	5.58	3.19	4.19	3.30	
4				22.62	6.52	16.47	8.29	6.12	2.92	4.33	2.77	
5				27.40	6.11	17.16	10.21	6.21	2.75	5.63	2.56	
6				31.20	5.82	16.36	10.96	5.60	2.60	5.45	2.32	
7				32.76	6.74	13.92	9.89	4.43	2.49	4.64	2.10	
8				32.64	7.74	15.40	8.65	8.50	2.40	4.08	1.98	
9				31.42	7.50	17.52	7.83	12.22	2.30	3.50	1.96	
10				30.04	6.73	17.96	7.43	14.30	2.23	3.15	2.43	
11				29.14	6.10	16.94	7.03	15.52	2.15	2.72	2.14	1.46
12				27.95	5.83	13.95	6.47	15.51	2.11	2.50	1.96	
13				26.05	6.12	10.22	6.04	13.40	2.12	2.34	1.90	1.35
14				24.00	6.40	8.35	5.65	10.58	2.37	2.21	2.14	1.28
15				21.56	6.32	7.66	5.33	9.18	2.27	2.10	2.22	1.21
16				18.00	5.94	7.26	5.28	7.52	2.21	2.07	2.38	1.17
17				14.42	5.68	8.00	7.04	6.31	2.81	1.89	2.26	1.18
18				10.97	5.97	8.35	7.83	5.55	3.77	1.89	2.02	1.40
19				8.70	6.43	7.78	7.20	5.28	3.78	2.12		3.62
20				7.74	6.22	7.28	6.38	5.00	3.33	2.03		5.05
21				7.33	5.69	6.77	5.61	4.44	2.83	1.98		4.05
22				7.11	5.26	6.32	6.97	4.04	2.47	1.92		3.13
23				6.90	5.07	5.99	11.13	3.76	2.23	1.89		2.51
24				6.72	5.10	5.80	12.22	3.55	2.07	1.88		2.28
25				6.38	5.10	6.06	12.89	3.48	2.10	1.90		2.02
26				6.06	5.03	6.72	13.10	3.99	3.83	2.00		1.99
27				5.78	5.00	7.23	9.76	4.27	5.32	2.12	2.30	1.92
28				5.53	5.03	7.19	7.00	4.09	5.33	2.55	2.08	1.80
29				5.97	4.98	9.00	5.50	3.62	5.27	2.55	1.74	1.93
30				8.57	-----	10.31	4.92	3.31	6.18	2.22		2.45
31		-----		9.26	-----	10.32	-----	3.18	-----	2.40		-----
MEAN				16.50	6.12	10.28	8.08	6.74	3.07	2.93		
MAX				32.76	8.47	17.96	13.10	15.52	6.18	5.66		
MIN				5.53	4.98	4.90	4.92	3.18	2.07	1.88		

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.65	3.88	11.26	13.36	13.84	6.10	20.20	22.62	8.31	3.22	2.60	2.80
2	3.64	4.28	9.87	13.54	16.55	5.95	19.85	19.75	7.62	3.10	2.91	3.02
3	3.48	5.60	7.85	14.37	16.96	7.33	18.43	16.80	6.62	3.42	3.10	2.78
4	2.93	5.65	7.72	18.50	16.58	9.99	16.88	14.31	5.94	3.41	2.84	2.55
5	2.50	4.85	6.21	20.04	15.25	11.44	15.02	12.46	5.12	3.64	2.61	2.57
6	2.28	4.30	5.61	23.54	12.93	12.01	12.99	10.22	4.72	5.60	2.45	2.40
7	2.12	3.73	5.73	27.33	10.87	13.05	12.35	8.59	6.10	6.52	2.34	2.35
8	2.07	5.10	6.11	30.68	10.43	14.32	14.65	11.55	5.72	6.96	2.24	2.30
9	1.98	6.18	5.84	32.15	12.27	15.24	15.24	13.23	6.03	7.32	2.18	2.50
10	1.88	5.45	9.69	32.20	13.70	15.12	15.10	13.12	5.55	6.90	2.14	2.41
11	1.75	4.80	14.33	31.06	14.56	16.22	13.89	11.03	4.86	7.46	2.28	2.30
12	1.66	4.75	15.55	29.10	14.31	17.82	11.71	9.27	4.42	8.92	2.44	2.24
13	1.60	4.55	16.70	26.32	13.16	18.47	10.08	10.74	4.35	7.55	2.46	2.02
14	1.58	5.30	18.00	22.67	17.85	19.15	9.12	10.85	5.24	5.93	3.13	1.93
15	1.51	6.25	20.08	18.00	20.64	19.89	8.36	9.35	5.48	4.82	5.60	1.95
16	1.52	5.40	22.94	13.22	22.18	24.60	7.77	7.80	5.56	4.62	4.95	2.48
17	1.74	4.66	23.49	9.45	23.16	33.38	9.34	6.60	4.96	4.82	4.37	2.70
18	1.88	4.40	23.07	8.04	23.50	40.04	11.37	5.91	4.42	6.46	3.35	2.45
19	1.78	4.70	22.04	8.80	22.82	42.06	13.82	5.40	4.22	6.58	2.74	2.20
20	1.65	7.60	20.32	8.74	20.58	40.54	15.61	5.33	4.40	6.24	2.50	2.09
21	1.60	7.88	18.39	9.87	17.60	37.94	16.92	6.46	4.80	5.74	2.46	2.00
22	1.60	7.00	16.18	10.00	14.61	35.39	16.83	6.93	5.50	4.63	2.23	1.90
23	1.90	5.70	13.77	17.39	11.62	32.69	15.00	6.46	5.36	4.00	2.11	1.93
24	3.67	5.30	11.05	18.17	8.90	29.35	15.20	6.00	5.10	3.56	2.01	1.79
25	3.78	6.00	8.78	18.22	7.71	26.93	20.64	5.87	4.50	3.28	1.98	1.73
26	3.30	9.10	7.69	18.00	7.16	25.55	23.42	6.31	4.00	3.06	1.90	1.83
27	3.11	10.40	6.96	17.61	6.72	24.78	25.05	6.21	3.66	2.90	1.83	1.76
28	4.63	9.92	6.42	16.64	6.40	24.07	25.72	9.34	3.42	2.81	1.80	1.80
29	5.81	10.56	5.95	16.33	-----	22.80	25.53	10.56	3.28	2.86	1.81	1.75
30	4.98	11.32	5.90	15.71	-----	20.38	24.63	9.98	3.37	2.85	2.38	2.46
31	4.38	-----	10.28	14.30	-----	19.79	-----	8.46	-----	2.72	2.32	-----
MEAN	2.64	6.15	12.38	18.69	14.75	22.01	16.02	9.92	5.09	4.90	2.65	2.23
MAX	5.81	11.32	23.49	32.20	23.50	42.06	25.72	22.62	8.31	8.92	5.60	3.02
MIN	1.51	3.73	5.61	8.04	6.40	5.95	7.77	5.33	3.26	2.72	1.80	1.73

MOBILE RIVER BASIN

02441500 Tombigbee River at Columbus, Miss.--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.42	2.70	24.70	23.83	28.51	9.60	15.70	5.12	8.57	3.41	3.20	6.03
2	2.99	2.88	25.76	20.56	26.56	8.62	18.50	4.91	10.62	3.28	2.94	7.68
3	2.90	3.12	25.10	17.74	23.99	8.02	20.32	4.83	11.53	3.14	3.06	8.26
4	2.56	3.05	23.15	17.66	21.61	7.59	21.18	4.94	11.84	3.08	3.30	8.68
5	2.40	3.20	20.85	17.48	20.91	7.18	21.00	5.31	12.99	3.10	3.12	7.22
6	2.37	4.00	18.10	18.30	21.33	6.88	19.55	5.82	13.76	3.48	2.98	5.56
7	2.20	3.78	15.35	21.21	22.05	6.60	15.80	5.97	16.14	4.11	2.80	4.47
8	2.59	3.82	12.00	22.48	22.02	6.41	13.70	5.62	16.85	4.57	2.89	4.57
9	3.89	8.25	8.58	22.52	20.82	6.16	12.56	5.23	17.25	5.08	3.20	5.90
10	4.60	9.80	6.92	23.01	18.45	5.93	11.60	5.46	17.51	4.87	3.16	8.02
11	4.10	7.59	6.13	24.00	15.54	5.86	9.88	5.65	17.21	4.67	2.95	7.50
12	3.70	6.50	5.62	25.59	12.66	8.18	10.34	7.32	15.82	4.48	2.91	6.58
13	3.28	4.75	5.29	26.80	10.29	8.85	20.21	10.21	14.10	4.22	3.89	6.17
14	2.72	3.84	5.02	28.00	9.05	7.80	23.24	10.02	13.43	4.29	5.68	5.73
15	3.18	3.43	4.86	29.49	12.70	6.70	24.32	8.84	12.78	4.32	5.72	5.62
16	3.58	3.20	4.71	30.21	16.30	6.04	24.11	13.05	11.08	4.04	4.85	6.15
17	3.49	3.06	4.49	29.74	18.00	5.74	22.70	14.30	8.75	3.73	4.00	5.42
18	3.10	2.98	4.31	28.45	18.26	5.60	19.54	15.60	6.61	3.58	3.49	4.68
19	2.72	2.92	4.19	26.48	18.12	5.62	15.06	17.10	7.22	3.30	3.21	4.06
20	2.49	2.92	5.64	23.59	17.72	9.56	11.30	17.46	7.46	3.08	3.01	3.67
21	2.30	5.59	8.75	22.06	17.20	12.35	8.60	15.81	6.88	3.28	2.79	3.46
22	2.20	11.02	9.08	21.05	19.20	13.98	8.10	13.24	5.80	2.96	2.69	3.21
23	2.12	12.31	7.91	20.88	19.90	14.98	10.74	12.26	5.50	2.90	2.52	3.02
24	2.08	11.26	6.72	22.03	20.06	15.16	11.60	12.26	7.14	3.30	2.48	2.87
25	2.01	10.45	9.60	24.71	19.58	14.40	11.45	13.42	7.24	4.12	2.44	2.78
26	1.98	8.91	19.42	26.70	17.68	12.92	9.18	15.72	6.80	4.00	2.38	2.75
27	1.98	10.83	23.52	28.25	14.35	11.78	7.38	18.32	5.04	3.70	2.24	2.83
28	2.00	16.76	26.02	29.42	11.69	10.36	6.34	18.06	4.08	4.38	2.22	3.00
29	2.05	19.34	27.62	30.52	-----	12.60	5.83	16.70	3.80	4.68	2.25	3.12
30	2.29	22.05	27.60	30.60	-----	15.80	5.42	14.20	3.57	4.30	2.60	3.08
31	2.59	-----	26.20	29.95	-----	16.25	-----	10.14	-----	3.64	4.20	-----
MEAN	2.77	7.11	13.65	24.64	18.38	9.47	14.51	10.74	10.25	3.84	3.20	5.07
MAX	4.60	22.05	27.62	30.60	28.51	16.25	24.32	18.32	17.51	5.08	5.72	8.68
MIN	1.98	2.70	4.19	17.48	9.05	5.60	5.42	4.83	3.57	2.90	2.22	2.75

GAGE HEIGHT, IN FEET • WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.97	2.63	4.29	26.57	8.33	10.52	20.98	6.85	6.71	3.33	4.98	2.78
2	2.74	2.64	4.41	27.67	4.08	9.55	23.76	6.90	6.16	3.36	7.85	2.73
3	2.65	2.55	4.54	24.22	12.12	8.36	25.74	5.57	5.48	3.20	11.09	2.65
4	2.53	2.61	4.47	27.65	16.87	7.38	25.65	7.91	5.03	3.12	11.62	2.55
5	2.44	2.71	4.40	26.11	18.29	7.26	23.79	9.45	4.59	3.07	11.62	2.46
6	2.39	4.53	4.12	23.20	19.04	6.78	20.74	7.48	4.20	2.96	11.84	2.52
7	2.35	5.10	5.41	20.84	19.16	6.46	17.00	7.45	3.94	2.87	10.20	4.29
8	2.32	4.74	10.49	17.82	18.07	6.27	13.27	11.59	3.98	3.44	8.49	5.12
9	2.31	4.17	12.17	15.91	15.29	6.11	10.37	12.46	4.59	5.58	6.75	4.75
10	2.29	3.67	12.43	16.61	12.06	6.15	11.42	12.31	4.25	6.14	5.77	4.08
11	2.28	3.47	11.27	22.34	10.13	7.29	11.58	11.04	7.44	6.21	5.50	3.75
12	2.28	3.30	11.01	24.31	9.28	9.20	10.32	4.12	10.92	7.45	5.09	3.57
13	2.24	3.40	4.49	25.51	10.31	14.50	4.37	7.77	12.59	7.17	4.64	3.91
14	2.25	3.50	7.47	26.85	10.36	27.42	11.08	6.62	13.21	6.48	4.17	4.27
15	2.26	3.43	6.73	25.52	9.32	33.21	14.47	6.33	12.73	5.50	3.82	4.02
16	2.34	3.29	4.24	25.51	14.29	37.07	15.12	9.96	10.60	4.52	3.60	3.72
17	2.44	3.31	7.51	22.54	20.15	37.64	14.48	13.33	8.86	3.99	4.25	3.41
18	3.43	3.74	4.47	17.52	22.06	36.56	12.70	14.09	7.81	3.64	5.92	4.37
19	3.44	3.94	4.42	17.27	25.74	35.17	9.93	13.50	6.57	3.44	6.32	6.48
20	3.06	6.44	4.37	18.51	27.74	33.19	5.89	12.47	5.76	3.48	6.68	6.16
21	2.70	10.15	4.49	14.34	27.34	30.41	10.87	11.54	5.55	3.62	5.66	6.10
22	2.63	10.42	4.71	14.72	25.15	23.10	10.18	10.61	5.57	3.54	5.03	5.95
23	2.54	6.05	4.51	14.74	21.76	24.48	9.06	9.34	5.16	4.35	4.35	5.01
24	2.63	7.24	4.50	14.57	14.66	22.09	7.94	7.21	4.62	4.33	3.81	5.25
25	2.62	5.22	15.25	14.51	14.71	21.16	7.20	5.41	4.34	4.26	3.49	6.33
26	2.47	5.03	17.12	14.52	15.08	21.14	6.81	5.05	4.00	5.99	3.29	6.59
27	2.47	5.25	14.05	14.50	12.06	20.23	7.15	4.44	3.68	7.28	3.09	6.30
28	2.46	3.35	21.64	11.54	11.01	20.50	7.44	5.41	3.44	7.16	2.94	5.55
29	2.45	4.52	22.26	11.52	---	18.53	6.48	5.10	3.34	6.26	2.82	4.73
30	2.45	4.47	24.15	14.54	---	17.53	6.55	5.74	3.28	5.53	2.70	4.74
31	2.54	---	25.53	14.57	---	14.38	---	7.24	---	5.02	2.73	---
MEAN	2.56	4.75	10.21	17.25	16.27	19.26	13.06	8.74	6.28	4.72	5.81	4.45
MAX	3.44	10.42	25.53	25.22	27.74	37.64	25.74	14.09	13.21	7.45	11.84	6.59
MIN	2.25	3.51	4.12	4.57	8.08	5.15	5.65	4.84	3.24	2.87	2.70	2.46

02443000 Luxapallila Creek at Steens, Miss.

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

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.

AVERAGE DISCHARGE.--30 years, 496 ft³/s (14.05 m³/s), 21.80 in/yr (554 mm/yr).

EXTREMES.--Current year: Maximum discharge, 9,200 ft³/s (261 m³/s) Mar. 14 (gage height, 17.77 ft or 5.416 m); minimum, 108 ft³/s (3.06 m³/s) Oct. 14 (gage height, 3.84 ft or 1.170m).

Period of record: Maximum discharge, 14,200 ft³/s (402 m³/s) Feb. 23, 1961 (gage height, 18.90 ft or 5.761 m); minimum, 23 ft³/s (0.65 m³/s) Aug. 14, 1954 (gage height, 2.52 ft or 0.768 m).

Flood of Jan. 6, 1949, reached a stage of 19.2 ft or 5.85 m (discharge, about 16,000 ft³/s or 453 m³/s).

REMARKS.--Records good. Records of chemical analyses for the current year are published in the water-quality section of this report.

COOPERATION.--Gage-height record and 5 discharge measurements furnished by Corps of Engineers.

REVISIONS (WATER YEARS).--WSP 1172: 1946(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	151	137	225	1650	609	718	1250	469	282	223	1380	182
2	137	137	249	1090	614	668	971	466	263	250	3270	172
3	127	137	246	851	890	626	941	450	248	232	2040	157
4	126	137	220	752	1850	580	1180	469	232	216	1020	143
5	122	159	205	780	1790	549	860	515	222	215	743	140
6	120	188	209	778	1450	528	738	440	223	205	811	137
7	115	215	315	776	1100	518	670	452	274	227	691	150
8	116	186	600	774	890	499	620	701	356	444	510	172
9	116	166	704	772	774	436	668	1000	319	1390	384	171
10	116	157	474	1700	712	492	875	645	309	718	332	158
11	116	172	393	4750	673	559	1080	743	378	469	325	147
12	113	188	350	6650	648	556	777	577	405	593	626	151
13	112	204	330	4380	791	2360	659	450	518	659	462	159
14	111	192	306	2100	763	8770	738	398	433	447	314	151
15	120	178	294	1370	651	8500	1360	371	354	337	263	140
16	159	175	266	1050	1300	5210	1320	497	489	293	261	137
17	243	185	252	929	3460	1970	929	1560	474	259	404	140
18	238	243	243	819	3510	1480	771	2020	333	241	774	147
19	179	263	233	751	4400	1890	682	947	278	232	558	164
20	154	338	233	911	3880	2290	620	648	259	229	391	162
21	144	467	231	1120	1950	1480	577	520	290	238	352	150
22	137	491	223	879	1310	1140	525	440	313	291	317	155
23	133	319	283	746	1110	965	484	389	321	373	261	227
24	130	254	918	696	1130	959	459	354	290	354	233	630
25	129	246	3090	813	1100	2080	450	321	247	410	212	1080
26	130	235	2580	1570	878	1730	447	297	223	1300	196	548
27	130	236	1490	1150	774	1070	459	280	216	1440	182	344
28	130	219	1430	856	740	863	454	270	210	851	171	269
29	129	209	1700	766	---	794	426	259	205	564	165	231
30	129	211	2670	693	---	1120	447	261	206	421	159	209
31	131	---	2630	651	---	1950	---	276	---	398	168	---
TOTAL	4243	6644	23492	43812	39747	53500	22437	17485	9170	14519	17975	6923
MEAN	136	221	757	1413	1419	1725	747	564	305	468	579	230
MAX	243	491	3090	6690	4400	8770	1360	2020	518	1440	3270	1080
MTN	111	137	205	651	609	486	426	259	205	205	159	137
CFSM	.44	.72	2.45	4.57	4.59	5.59	2.42	1.83	.99	1.52	1.88	.75
IN.	.51	.80	2.83	5.27	4.79	6.44	2.70	2.10	1.10	1.75	2.16	.83
CAL YR 1974 TOTAL	268360	MEAN 735	MAX 6060	MIN 97	CFSM 2.38	IN 32.31						
WTR YR 1975 TOTAL	259947	MEAN 712	MAX 8770	MIN 111	CFSM 2.30	IN 31.29						

PEAK DISCHARGE (BASE, 5,000 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
01-12	1400	16.88	6,830	03-14	1500	17.77	9,200
02-19	2100	15.99	5,360				

TOMBIGBEE RIVER BASIN

02443500 Luxapallila Creek at Columbus, Miss.

LOCATION.--Lat 33°30'50", long 88°23'44", in NW¼SW¼ sec. 11, T.18 S., R.18 W., Huntsville meridian, Lowndes County, 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 mile (1.0 km) upstream from Magby Creek, 1.4 miles (2.3 km) upstream from U.S. Highway 82 and 6.2 miles (10.0 km) upstream from mouth.

DRAINAGE AREA.--726 mi² (1,880 km²).

PERIOD OF RECORD.--September 1928 to September 1930, October 1974 to September 1975.

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.

EXTREMES.--Current year: Maximum discharge, 21,400 ft³/s (606 m³/s) Mar. 15 (gage height, 28.31 ft or 8.629 m); minimum, 162 ft³/s (4.59 m³/s) Sept. 16 (gage height, 8.32 ft or 2.536 m).
 Period of record: Maximum discharge, 21,400 ft³/s (606 m³/s) Mar. 15, 1975 (gage height, 28.31 ft or 8.629 m); minimum, since October 1974, 162 ft³/s (4.59 m³/s) Sept. 16, 1975 (gage height, 8.32 ft or 2.536 m).
 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.

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

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	328	305	465	5080	1480	1590	2940	938	455	282	1370	273
2	298	323	515	4140	1420	1450	2660	938	443	312	3740	271
3	273	296	574	3450	2070	1340	2480	864	412	303	4990	232
4	258	287	559	2950	2990	1230	2510	1000	367	273	3610	202
5	246	303	509	2610	3510	1140	2100	1070	330	267	2450	182
6	240	371	462	2170	3190	1070	1810	925	312	253	2120	174
7	230	509	435	1720	2720	1020	1610	946	338	287	1770	182
8	225	478	1320	1640	2250	976	1410	1620	496	622	1320	225
9	225	423	1940	2060	1910	929	1470	2150	556	1890	901	249
10	219	371	1510	5000	1690	929	2120	1930	518	1500	720	228
11	221	352	1190	9940	1520	1070	2400	1720	546	1050	1010	217
12	217	371	1450	13300	1460	1300	2050	1380	741	1000	1010	207
13	211	425	1340	9470	1570	4200	1730	982	909	1230	929	207
14	207	456	857	6040	1660	16400	1890	787	880	946	658	194
15	209	418	702	4020	1460	20300	2440	762	785	737	529	182
16	253	390	435	3080	2780	14400	2690	1040	929	587	465	168
17	398	395	590	2480	5070	6200	2320	1730	1100	459	896	170
18	512	481	535	2070	7250	3850	2050	2830	861	388	1650	182
19	475	692	518	1780	8240	3050	1730	1770	678	347	1540	223
20	366	845	506	1960	8770	3500	1470	1240	509	321	1070	245
21	342	1030	503	2300	5680	3150	1310	974	473	335	799	223
22	289	1190	489	2110	3650	2800	1140	757	532	451	692	213
23	271	892	571	1860	2740	2550	1010	637	529	532	547	298
24	258	695	2060	1680	2520	2430	917	560	489	581	446	730
25	256	590	3280	2220	2430	2960	880	499	418	625	386	1850
26	256	553	4840	2580	2060	3720	864	452	350	1340	340	1300
27	256	556	4430	2730	1820	2920	888	417	314	2170	303	963
28	256	535	4010	2450	1690	2450	1060	398	294	1680	271	744
29	256	492	3900	2160	---	2030	929	389	280	1400	247	541
30	258	459	4380	1860	---	2270	876	384	271	938	230	448
31	262	---	5630	1600	---	3110	---	406	---	770	230	---
TOTAL	8570	15483	50705	109590	85600	116944	51754	32495	16115	23876	37239	11523
MEAN	276	516	1635	3502	3057	3772	1725	1048	537	770	1201	384
MAX	512	1190	5630	13300	8770	20300	2940	2830	1100	2170	4990	1850
MIN	207	287	435	1600	1420	929	864	384	271	253	230	168
CFSM	.38	.71	2.25	4.82	4.21	5.20	2.38	1.44	.74	1.06	1.65	.53
IN.	.44	.72	2.60	5.56	4.39	5.99	2.65	1.67	.83	1.22	1.91	.59
WTR YR 1975 TOTAL	558994	MEAN	1531	MAX	20300	MIN	168	CFSM	2.11	IN	28.64	

PEAK DISCHARGE (BASE, 8,000 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
01-12	1200	25.92	13,800	03-15	0230	28.31	21,400
02-20	0500	23.58	9,370				

02444500 Tombigbee River near Cochrane, Ala.

LOCATION.--Lat 33°04'45", long 88°14'18", in sec. 7, T. 24 N., R. 2 W., Pickens County, near left bank on downstream side of bridge on State Highway 17, 200 ft (61 m) upstream from Alabama, Tennessee and Northern Railroad bridge, 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.

AVERAGE DISCHARGE.--37 years, 8,631 ft³/s (244.4 m³/s), 19.57 in/yr (497 mm/yr).

EXTREMES.--Current year. Maximum discharge, 109,000 ft³/s (3,090 m³/s) Mar. 19; maximum gage height, 43.10 ft or 13.137 m Mar. 20; minimum discharge, 1,230 ft³/s (34.8 m³/s) Oct. 14, 15.
Period of record: Maximum discharge, 166,000 ft³/s (4,700 m³/s) Mar. 21, 1973; maximum gage height, 47.37 ft or 14.438 m Mar. 21, 1973; minimum discharge, 165 ft³/s (4.67 m³/s) Sept. 21, 1954 (gage height, 2.34 ft or 0.713 m).
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.

REMARKS.--Records good except those for period of missing record, which are poor.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,910	1,440	3,940	44,000	9,290	12,300	26,900	7,150	6,450	2,200	8,340	1,870
2	1,790	1,510	5,940	45,000	8,780	11,000	28,800	7,090	5,700	2,230	8,010	1,950
3	1,630	1,540	5,670	44,000	11,300	9,790	32,400	6,890	4,990	2,170	11,400	1,890
4	1,520	1,510	4,500	43,000	19,600	8,670	36,700	7,740	4,270	2,050	13,700	1,740
5	1,440	1,540	3,720	42,000	22,700	7,800	39,600	8,930	3,750	1,980	13,600	1,610
6	1,380	1,710	3,230	38,000	25,000	7,350	39,400	8,690	3,300	1,910	13,600	1,480
7	1,340	3,700	3,900	35,000	26,500	6,740	35,400	7,690	2,950	1,820	12,800	1,500
8	1,310	3,910	9,760	32,000	26,900	6,380	27,400	9,250	2,750	1,860	9,930	2,850
9	1,290	3,480	13,600	31,500	25,200	6,110	17,300	13,600	3,110	3,160	7,720	3,770
10	1,270	2,820	14,600	29,500	19,700	5,920	12,500	14,600	3,660	5,720	6,400	3,490
11	1,260	2,390	14,100	36,300	13,400	6,160	13,100	13,500	3,970	6,360	5,600	3,000
12	1,260	2,270	12,100	41,600	10,300	8,390	12,500	11,400	10,400	6,490	5,000	2,610
13	1,260	2,230	10,500	44,800	10,300	15,000	10,900	8,900	12,700	7,130	4,700	2,430
14	1,250	2,320	8,840	45,800	11,500	35,100	13,200	7,250	14,300	6,370	4,100	2,620
15	1,250	2,360	7,180	46,500	10,800	47,100	18,000	5,970	15,200	5,340	3,600	2,960
16	1,280	2,250	6,170	45,600	17,100	59,000	19,000	9,000	13,900	4,120	3,100	2,760
17	1,390	2,180	7,040	44,400	26,000	71,400	19,200	13,000	10,500	3,190	3,400	2,530
18	1,870	2,270	6,800	41,200	31,300	94,100	17,400	17,000	8,570	2,670	4,370	2,290
19	2,260	2,770	5,670	36,000	37,900	106,000	13,600	16,000	7,160	2,380	6,450	3,300
20	2,140	3,260	4,970	30,200	43,600	99,500	10,300	15,000	5,520	2,220	6,850	4,960
21	1,820	8,540	4,480	24,300	48,100	88,300	11,400	13,000	5,160	2,350	6,620	4,760
22	1,600	11,400	4,030	20,700	49,500	73,000	11,600	10,000	5,250	2,340	5,500	4,870
23	1,490	10,700	3,750	18,800	47,000	64,000	10,300	8,000	5,040	2,490	4,660	4,820
24	1,430	8,900	10,000	18,100	41,700	56,000	8,730	6,600	4,120	3,330	3,880	4,700
25	1,400	6,900	22,000	18,500	34,500	49,000	7,670	5,800	3,550	3,100	3,390	5,230
26	1,380	4,900	27,000	19,400	28,600	40,600	7,220	4,650	3,150	3,510	3,050	6,240
27	1,380	4,830	31,000	19,200	23,000	36,800	6,710	3,930	2,720	6,230	2,690	6,220
28	1,380	4,440	35,000	16,800	16,500	35,200	7,270	3,960	2,440	7,200	2,380	5,640
29	1,370	3,880	40,000	13,300	-----	33,400	7,280	4,360	2,260	6,450	2,040	4,760
30	1,370	3,500	42,000	11,300	-----	30,500	7,360	4,100	2,180	5,350	1,970	3,970
31	1,370	-----	43,000	10,200	-----	26,800	-----	5,610	-----	4,920	1,870	-----
TOTAL	46,090	115,450	414,490	987,000	696,070	1,157,440	529,140	278,660	179,020	118,640	190,720	102,820
MEAN	1,487	3,848	13,370	31,840	24,860	37,340	17,640	8,989	5,967	3,827	6,152	3,427
MAX	2,260	11,400	43,000	46,500	49,500	106,000	39,600	17,000	15,200	7,200	13,700	6,240
MIN	1,250	1,440	3,230	10,200	8,780	5,920	6,710	3,930	2,180	1,820	1,870	1,480
CFSM	.25	.64	2.23	5.32	4.15	6.23	2.94	1.50	1.00	.64	1.03	.57
IN.	.29	.72	2.57	6.13	4.32	7.19	3.29	1.73	1.11	.74	1.18	.64
CAL YR 1974	TOTAL 4,966,540 MEAN 13,610 MAX 51,300 MIN 1,250 CFSM 2.27 IN 30.84											
WTR YR 1975	TOTAL 4,815,510 MEAN 13,190 MAX 106,000 MIN 1,250 CFSM 2.20 IN 29.91											

NOTE.--No gage-height record Aug. 10 to Sept. 30.

MOBILE RIVER BASIN

02448000 Noxubee River at Macon, Miss.

LOCATION.--Lat 33°06'05", long 88°33'40", in NE¼ sec.4, T.14 N., R.17 E., Choctaw meridian, Noxubee County, on left bank at downstream side of bridge on U.S. Highway 45 at Macon, 0.2 mile (0.3 km) upstream from Cedar Creek, 1.0 mile (1.6 km) downstream from Gulf, Mobile and Ohio Railroad bridge, 1.5 miles (2.4 km) downstream from Horse Hunters Creek, and 6.2 miles (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.

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.

AVERAGE DISCHARGE.--41 years, 996 ft³/s (28.21 m³/s), 16.66 in/yr (423 mm/yr).

EXTREMES.--Current year: Maximum discharge, 31,300 ft³/s (886 m³/s) Mar. 15 (gage height, 31.81 ft or 9.696 m); minimum, 77 ft³/s (2.18 m³/s) Oct. 26, 27 (gage height, 6.23 ft or 1.899 m).
Period of record: Maximum discharge, 52,000 ft³/s (1,470 m³/s) Mar. 30, 1951 (gage height, 32.97 ft or 10.049 m); minimum, 22 ft³/s (0.623 m³/s) Aug. 25, 26, 1943 (gage height, 4.89 ft or 1.490 m).
Flood in July 1892 reached a stage of about 34 feet (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 feet (9.1 m).

REMARKS.--Records good. Occasional slight regulation by Bluff Lake at low water. Records of chemical analyses for the current year are published in the water-quality section of this report.

REVISIONS (WATER YEARS).--WSP 1624: 1929-30, 1932.

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	220	85	730	4440	751	760	1870	1300	589	127	3270	143
2	160	89	994	4060	823	664	1420	841	497	126	3220	166
3	163	90	646	3640	1840	598	1390	1030	375	144	2580	168
4	139	90	490	3480	3800	532	1220	1940	287	156	1700	148
5	122	106	346	3040	4140	475	835	1560	235	159	1570	138
6	113	130	243	1820	3760	436	688	1210	204	167	1730	134
7	106	122	1450	1100	3220	454	604	1180	192	159	1540	148
8	104	114	2200	1640	3030	442	517	916	192	481	859	161
9	102	114	1460	2850	3010	415	771	829	219	704	562	140
10	101	124	985	4420	2490	427	2370	763	469	658	424	141
11	100	122	775	4020	1240	451	2170	733	888	1860	333	166
12	98	124	558	10700	826	444	1590	631	1730	964	354	203
13	94	145	634	4060	718	2960	1590	631	870	476	409	150
14	96	135	526	6480	634	14000	3710	505	373	303	369	134
15	100	136	456	5780	571	27500	5080	439	469	233	318	125
16	129	148	424	5250	4000	22400	5110	787	653	230	273	121
17	187	155	383	4580	5710	12600	4390	1420	440	216	269	121
18	135	213	335	3140	6430	8840	2950	1430	304	198	338	128
19	132	340	310	1540	6920	7840	2420	1420	284	188	652	131
20	122	310	285	2180	10700	7150	2070	1610	632	216	733	123
21	103	394	285	2130	8580	5960	1270	1640	754	207	595	159
22	93	369	262	1660	6810	4800	835	1120	1180	229	433	168
23	86	295	357	1460	5930	3590	676	586	323	198	323	257
24	83	244	4110	1180	5320	3920	565	380	211	187	248	356
25	81	214	5230	2210	4420	4340	487	323	175	432	209	230
26	74	201	5260	2550	2510	3690	454	282	158	933	187	187
27	72	226	4250	1980	1300	2120	424	246	148	617	176	177
28	81	211	4290	1770	940	1760	378	227	143	465	168	157
29	81	201	4360	1770	---	1540	369	220	137	451	159	145
30	82	303	4670	1480	---	1730	900	363	134	330	153	138
31	85	---	4510	1000	---	1840	---	711	---	942	150	---
TOTAL	3456	5594	52775	105450	100423	144828	49123	27273	13265	12756	24304	4863
MEAN	111	186	1702	3401	3586	4671	1637	879	442	411	784	162
MAX	220	394	5240	10700	10700	27500	5110	1940	1730	1860	3270	356
MIN	74	85	262	1000	571	415	369	220	134	126	150	121
CFSM	1.14	1.23	2.10	4.14	4.42	5.75	2.02	1.08	.54	.51	.97	.20
IN	1.15	1.26	2.42	4.83	4.60	6.43	2.25	1.25	.61	.58	1.11	.22
DAY YEAR 1974	TOTAL	581554	MEAN	1457	MAX	17800	MIN	78	CFSM	2.30	IN	31.22
WATER YEAR 1975	TOTAL	544115	MEAN	1440	MAX	27500	MIN	78	CFSM	1.94	IN	24.93

PEAK DISCHARGE (BASE, 5,000 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12-25	2200	23.58	5,330	03-15	1800	31.81	31,300
01-12	0800	27.89	11,100	04-16	0900	23.12	5,160
02-20	1000	27.91	11,200				

02448500 Noxubee River near Geiger, Ala.

LOCATION.--Lat 32°55'06", long 88°17'45", in SE¼ sec. 33, T. 23 N., R. 3 W., Sumter County, near left bank on downstream side of bridge on State Highway 17, 0.5 mile (0.8 km) upstream from Woodards Creek, 1 mile (1.6 km) upstream from Alabama, Tennessee and Northern Railroad bridge, 4 miles (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).

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 mile (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.

AVERAGE DISCHARGE.--31 years (1939-40, 1944-65, 1966-75), 1,494 ft³/s (42.31 m³/s), 17.78 in/yr (452 mm/yr).

EXTREMES.--Current year: Maximum discharge, 23,100 ft³/s (654 m³/s) Mar. 18; (gage height 39.63 ft or 12.079 m); minimum discharge, 90 ft³/s (2.55 m³/s) Nov. 1.

Period of record: Maximum discharge, 37,600 ft³/s (1,060 m³/s) Mar. 31, 1951 (gage height, 42.7 ft or 13.01 m); minimum discharge, 13 ft³/s (0.37 m³/s) July 7, 1954.

REMARKS.--Records fair. Discharge includes flow of Noxubee cutoff channel at bridge on State Highway 17, 1 mile north of gage.

REVISIONS.--WSP 1384: Drainage area.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	576	91	746	4,930	1,130	983	2,000	2,690	946	185	2,400	224
2	395	93	898	4,330	1,330	810	1,410	1,820	724	180	3,840	234
3	276	92	985	3,830	2,400	736	1,210	1,270	606	178	3,510	208
4	242	93	684	3,400	6,000	682	1,120	2,560	502	200	3,020	226
5	226	97	525	3,150	6,960	634	899	2,590	410	240	2,710	209
6	201	100	426	2,730	6,210	597	658	2,040	349	270	2,880	195
7	183	110	1,130	1,790	4,780	576	543	1,780	308	254	2,370	185
8	169	133	3,190	1,830	3,360	627	489	1,610	289	351	1,670	185
9	160	123	2,790	3,660	2,810	585	1,760	1,510	299	639	1,010	205
10	155	116	1,650	4,670	2,700	585	5,390	1,080	759	1,040	684	205
11	152	124	977	11,000	2,400	701	4,590	926	1,140	1,280	562	186
12	146	134	773	12,600	1,520	710	2,760	818	2,890	2,610	548	195
13	141	128	695	12,600	1,120	1,450	1,800	724	2,780	1,500	489	241
14	137	135	641	11,700	876	5,980	4,790	720	1,300	658	518	233
15	135	135	568	10,900	733	7,180	8,120	625	1,610	443	500	197
16	138	128	537	9,820	4,030	8,020	8,050	737	1,390	341	536	183
17	139	137	504	8,370	7,500	14,300	6,830	3,400	965	308	679	177
18	186	211	450	6,740	7,930	22,700	5,480	3,240	619	302	706	175
19	188	310	434	4,870	8,140	20,900	3,580	1,570	454	289	644	174
20	155	352	441	2,770	7,670	16,000	2,500	1,350	413	350	911	181
21	150	358	419	2,410	7,190	12,200	2,100	1,520	875	441	898	178
22	137	382	390	2,080	7,190	9,870	1,360	1,560	1,090	335	751	185
23	126	356	609	1,590	7,590	8,160	927	1,140	1,490	335	582	259
24	117	298	6,950	1,400	8,440	6,420	742	695	595	322	463	368
25	109	249	9,630	4,730	8,090	5,430	667	502	352	400	372	542
26	106	230	9,780	5,440	6,920	4,970	817	438	282	903	307	393
27	103	213	8,460	3,510	4,420	4,350	664	403	230	1,220	270	284
28	99	223	7,220	2,140	1,790	2,970	580	359	215	818	248	259
29	94	218	6,660	1,770	-----	2,160	615	346	200	555	236	241
30	95	260	6,280	1,770	-----	2,860	2,020	855	195	549	225	222
31	93	-----	5,620	1,550	-----	2,730	-----	1,350	-----	804	216	-----
TOTAL	5,329	5,629	81,062	154,080	131,229	166,876	74,471	42,228	24,277	18,300	34,755	6,949
MEAN	172	188	2,615	4,970	4,687	5,383	2,482	1,362	809	590	1,121	232
MAX	576	382	9,780	12,600	8,440	22,700	8,120	3,400	2,890	2,610	3,840	542
MIN	93	91	390	1,400	733	576	489	346	195	178	216	174
CFSM	.15	.16	2.29	4.36	4.11	4.72	2.18	1.19	.71	.52	.98	.20
IN.	.17	.18	2.65	5.03	4.28	5.45	2.43	1.38	.79	.60	1.13	.23

CAL YR 1974 TOTAL 933,267 MEAN 2.557 MAX 18,100 MIN 91 CFSM 2.24 IN 30.45
WTR YR 1975 TOTAL 745,185 MEAN 2.042 MAX 22,700 MIN 91 CFSM 1.79 IN 24.32

PASCAGOULA RIVER BASIN

02472000 Leaf River near Collins, Miss.

LOCATION.--Lat 31°42'25", long 89°24'25", in NE¼ sec.33, T.9 N., R.14 W., St. Stephens meridian, Covington County, on right bank at downstream side of bridge on U.S. Highway 84, 2 miles (3 km) downstream from Oakohay Creek, 8 miles (13 km) upstream from Big Creek, 9.5 miles (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.

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.

AVERAGE DISCHARGE.--37 years, 1,064 ft³/s (30.13 m³/s), 19.21 in/yr (488 mm/yr).

EXTREMES.--Current year: Maximum discharge, 18,100 ft³/s (513 m³/s) Jan. 13 (gage height, 23.67 ft or 7.215 m; minimum, 134 ft³/s (3.79 m³/s) Oct. 29 (gage height, 5.64 ft or 1.719 m); minimum gage height, 4.62 ft (1.408 m) Sept. 4.

Period of record: Maximum discharge, 54,200 ft³/s (1,540 m³/s) Apr. 14, 1974 (gage height, 32.6 ft or 9.936 m, from floodmark); minimum, 55 ft³/s (1.56 m³/s) Aug. 28-30, 1957.

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.

REMARKS.--Records good. Records of chemical analyses for the current year are published in the water-quality section of this report.

REVISIONS (WATER YEARS).--WSP 2106 (corrected): 1950(M). WRD Miss. 1973: 1950(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	1030	243	690	1040	804	1010	2040	5230	1160	445	1450	218
2	664	214	827	855	712	906	1680	5560	697	409	3430	208
3	426	187	813	724	782	814	3460	5880	484	672	4510	201
4	316	176	569	664	1260	926	2740	4240	406	420	3870	193
5	261	164	415	630	2080	1110	2250	3400	369	431	1980	195
6	231	161	522	580	2170	1020	1470	3960	425	356	1830	204
7	214	154	4560	538	1380	870	966	4680	518	302	1600	327
8	197	154	6020	3760	827	770	878	6550	644	275	1230	749
9	187	161	7450	5080	634	643	1640	5470	742	338	874	1010
10	171	161	4340	2010	554	648	1550	4220	846	854	866	707
11	161	246	4270	12600	510	641	1740	3010	1310	918	725	470
12	161	396	2640	15800	698	682	1600	2030	1300	555	585	484
13	159	363	1840	17700	827	767	1200	1320	1240	412	453	353
14	152	249	1230	11100	800	1860	2240	926	735	322	396	295
15	228	243	1030	4960	647	2660	4290	914	567	285	356	253
16	396	214	1060	3210	6610	3640	3740	1870	704	258	343	230
17	318	214	1040	2190	10000	3120	3110	2240	618	237	317	644
18	274	791	910	1450	9060	4170	1730	1780	549	226	662	1290
19	219	896	809	1230	7920	4810	1010	1030	498	290	732	970
20	194	1130	1110	1320	3960	4720	790	760	591	423	672	573
21	171	1070	1460	1410	2670	4000	672	627	591	364	490	382
22	161	1780	1290	1230	1760	2260	597	555	442	826	369	315
23	154	1760	444	942	1630	1500	555	501	371	398	325	377
24	146	822	3660	813	1890	1720	526	459	340	297	302	782
25	138	490	6680	3780	2460	2090	498	428	297	322	290	958
26	138	490	11600	4690	2160	2040	478	396	272	340	327	579
27	136	571	11700	4800	1630	1460	450	404	290	322	327	374
28	136	546	4370	3650	1320	966	425	417	297	470	272	302
29	134	414	2740	2260	---	822	412	467	958	415	255	262
30	187	442	1840	1440	---	1370	1950	552	552	330	241	258
31	274	---	1290	957	---	2040	---	1030	---	382	226	---
TOTAL	7736	14986	94149	117458	57755	56105	46687	70906	18813	12894	30305	14163
MEAN	246	494	3037	3788	2419	1809	1556	2287	627	415	977	472
MAX	1030	1780	11700	17700	10000	4810	4290	6550	1310	918	4510	1290
MIN	136	154	415	538	510	641	412	396	272	226	226	193
CFSM	.33	.66	4.04	5.04	3.22	2.41	2.07	3.04	.83	.55	1.30	.63
IN	.38	.74	4.66	5.81	3.35	2.78	2.31	3.51	.93	.64	1.50	.70
CAL YR 1974 TOTAL	725630	MEAN	1988	MAX	51000	MIN	136	CFSM	2.64	IN	35.90	
YR 1975 TOTAL	551957	MEAN	1512	MAX	17700	MIN	136	CFSM	2.01	IN	27.30	

PEAK DISCHARGE (BASE, 8,000 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12-10	0300	17.62	9,240	01-13	1400	23.67	18,100
12-27	0400	21.26	14,200	02-17	0800	18.92	10,800

PASCAGOULA RIVER BASIN

67

02472500 Bowie Creek near Hattiesburg, Miss.

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

DRAINAGE AREA.--304 mi² (787 km²).

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

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.

AVERAGE DISCHARGE.--37 years, 445 ft³/s (12.60 m³/s), 19.88 in/yr (505 mm/yr).

EXTREMES.--Current year: Maximum discharge, 10,900 ft³/s (309 m³/s) May 9 (gage height, 20.93 ft or 6.379 m); minimum, 179 ft³/s (5.07 m³/s) Oct. 15; minimum gage height, 3.16 ft (0.963 m) Sept. 29, 30. Period of record: Maximum discharge, 45,500 ft³/s (1,290 m³/s) Apr. 14, 1974 (gage height, 28.18 ft or 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.

REMARKS.--Records good. Records of chemical analyses for the current year are published in the water-quality section of this report.

REVISIONS (WATER YEARS).--WSP 1906: 1943(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	244	237	488	326	392	429	508	1490	277	628	2700	207
2	228	218	402	311	378	415	444	1740	257	386	2720	208
3	216	208	330	305	362	400	711	1230	241	357	1140	201
4	208	204	293	334	398	959	921	1340	231	284	626	199
5	204	203	276	321	481	1440	777	1280	226	243	704	208
6	201	204	275	299	423	931	573	1150	229	228	817	272
7	200	203	827	322	362	616	438	2370	275	217	508	307
8	197	200	943	3160	336	518	530	7840	452	210	450	419
9	196	200	830	3450	330	460	1170	9910	459	206	338	378
10	193	203	820	2400	345	427	1230	5730	429	216	307	308
11	192	351	633	3740	338	415	1490	2230	909	396	289	299
12	187	369	454	3570	330	419	867	960	957	349	282	254
13	185	308	393	4400	326	444	558	641	540	246	272	274
14	182	264	350	2600	314	720	1600	510	374	216	252	234
15	220	247	659	1030	330	609	3300	566	334	206	243	223
16	329	247	598	683	1430	1270	1790	755	433	203	240	213
17	268	482	443	552	6420	1340	924	613	398	200	232	240
18	235	673	361	456	5330	2810	603	508	317	208	238	400
19	200	381	336	468	3300	2740	495	454	341	238	229	351
20	191	670	390	660	1310	1570	440	372	382	347	400	272
21	193	561	397	604	732	966	406	338	303	289	328	231
22	190	393	347	464	585	649	384	314	303	262	246	219
23	188	331	330	409	558	546	370	301	326	316	229	220
24	188	289	608	359	744	666	360	280	294	269	228	237
25	188	313	712	2940	642	624	352	272	260	222	225	231
26	189	332	761	1880	570	437	342	262	246	246	223	211
27	188	297	640	850	499	446	330	257	240	287	216	203
28	187	277	491	581	449	419	320	252	237	258	213	197
29	290	264	401	487	---	411	316	258	244	362	208	196
30	397	379	367	442	---	530	554	257	355	376	207	203
31	264	---	344	414	---	596	---	277	---	433	208	---
TOTAL	6738	9508	15499	38977	28014	25422	23103	44757	10869	8904	15518	7605
MEAN	217	316	499	1257	1000	820	770	1443	362	287	500	253
MAX	397	673	943	4400	6420	2810	3300	9910	957	628	2720	419
MIN	182	200	275	259	314	400	316	252	226	200	207	196
CFSM	.71	1.04	1.64	4.14	3.29	2.70	2.53	4.75	1.19	.94	1.65	.83
IN.	.82	1.16	1.90	4.77	3.43	3.11	2.83	5.48	1.33	1.09	1.90	.93

CAL YR 1974 TOTAL 264312 MEAN 724 MAX 33500 MIN 182 CFSM 2.34 IN 22.34
WTR YR 1975 TOTAL 234914 MEAN 643 MAX 9910 MIN 182 CFSM 2.12 IN 28.75

PEAK DISCHARGE (BASE, 4,000 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
01-08	2200	14.29	4,260	05-09	0530	20.93	10,900
01-13	1430	14.99	4,640	08-01	2030	14.24	4,230
02-17	1230	17.74	6,910				

PASCAGOULA RIVER BASIN

02473000 Leaf River at Hattiesburg, Miss.

LOCATION.--Lat 31°20'33", long 89°16'46", in SW¼NW¼ sec.2, T.4 N., R.13 W., St. Stephens meridian, Forrest County, 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. 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.

AVERAGE DISCHARGE.--37 years, 2,622 ft³/s (74.26 m³/s), 20.23 in/yr (514 mm/yr).

EXTREMES.--Current year: Maximum discharge, 26,900 ft³/s (762 m³/s) May 9 (gage height, 21.94 ft or 6.687 m); minimum, 646 ft³/s (18.3 m³/s) Oct. 28, 29; minimum gage height, 3.64 ft (1.109 m) Sept. 30. Period of record: Maximum discharge, 121,000 ft³/s (3,430 m³/s) Apr. 15, 1974 (gage height, 34.03 ft or 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. Flood in April 1900 reached a stage of about 33.6 ft (10.24 m) from reports of National Weather Service.

REMARKS.--Records good. See following pages for tables of mean daily gage heights for water years 1972-75.

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	2180	1070	2510	2710	2910	2960	4220	7740	2230	2220	6330	1240
2	1950	938	2310	2370	2600	2510	3830	9640	2070	1840	12200	1230
3	1340	843	2090	2160	2520	2310	4490	9830	1660	1660	8380	1220
4	1010	783	1760	2140	2660	3470	7420	10000	1500	1780	7380	1200
5	878	770	1410	2040	2970	5720	6050	9390	1410	1500	6440	1180
6	823	764	1250	1850	3250	4340	4690	8280	1470	1440	5140	1420
7	774	746	3330	1850	3460	3270	3030	10400	1710	1320	3850	1440
8	751	735	8120	12700	3500	2630	2890	22600	2510	1290	3280	1630
9	727	731	8930	16900	3370	2290	4940	26500	3000	1300	2500	1960
10	706	750	10500	14200	3270	2070	5390	24600	2940	1510	2050	2100
11	688	1120	10400	17100	3190	1970	6700	15500	4010	3050	2030	1760
12	689	1790	6340	19400	3090	1930	5010	7620	5070	3480	1860	1470
13	676	1550	4060	22600	3030	2130	3550	5010	3670	2510	1670	1470
14	657	1240	3070	24500	3010	3730	6420	3560	2620	1700	1480	1310
15	762	1060	3290	20700	2970	4570	13800	3130	1940	1380	1400	1240
16	1360	978	3960	13300	5040	6930	11300	3690	2080	1320	1340	1120
17	1490	1440	2970	5270	20000	9270	8110	4510	2190	1340	1310	1100
18	1170	3370	2470	4640	25100	12200	5840	4390	2020	1420	1280	1900
19	939	2570	2160	3930	22500	14200	3610	3370	2280	1310	1620	2590
20	811	3440	2470	4180	15900	11000	2610	2510	1910	1530	2400	2000
21	747	3710	2910	4140	8620	8760	2200	2120	1980	1720	1950	1500
22	717	2780	2870	3640	5210	6930	1980	1930	1980	1930	1470	1280
23	690	3000	2410	3210	4260	4580	1850	1800	1820	2300	1320	1230
24	683	2530	3430	2910	4840	3940	1770	1710	1640	1600	1320	1320
25	671	1830	6740	10900	4750	4860	1710	1640	1440	1460	1300	1650
26	670	1680	9170	13600	4920	4450	1660	1570	1340	1440	1290	1650
27	677	1490	11300	9700	4270	3900	1600	1530	1310	1590	1280	1340
28	654	1430	12700	8160	3420	2940	1560	1530	1370	1450	1280	1180
29	880	1320	8240	6240	---	2400	1540	1570	1530	1470	1270	1100
30	1970	1510	4260	4360	---	2720	2340	1660	2260	1570	1260	1080
31	1190	---	3270	3460	---	4010	---	1850	---	1730	1260	---
TOTAL	29930	47968	150700	265900	174630	148990	132110	211180	64960	53160	88940	43910
MEAN	965	1598	4861	8577	6236	4806	4403	6812	2165	1714	2869	1463
MAX	2180	3710	12700	24500	25100	14200	13800	26500	5070	3480	12200	2590
MIN	654	731	1250	1850	2520	1930	1540	1530	1310	1290	1260	1080
CFSM	.55	.91	2.76	4.87	3.54	2.73	2.50	3.87	1.23	.97	1.63	.83
IN.	.63	1.01	3.19	5.62	3.69	3.15	2.79	4.46	1.37	1.12	1.88	.93

CAL YR 1974 TOTAL 1519418 MEAN 4162 MAX 110000 MIN 654 CFSM 2.37 IN 32.11
WTR YR 1975 TOTAL 1412378 MEAN 3869 MAX 26580 MIN 654 CFSM 2.20 IN 29.85

PASCAGOULA RIVER BASIN

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02473000 Leaf River at Hattiesburg, Miss.--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1				6.55	14.17	7.88	7.27				4.97	3.64
2				6.28	13.53	10.56	6.07				4.58	3.69
3				7.14	14.08	11.58	5.56				4.29	3.72
4				10.87	12.91	11.83	5.44				4.05	3.66
5				17.02	10.66	11.92	5.64	5.10			3.91	3.62
6				16.41	9.42	10.74	5.88	4.80			3.83	3.60
7				14.40	13.22	8.61	6.04	4.67			3.76	3.58
8				12.56	13.96	8.17	6.10				3.70	3.55
9				10.12	12.54	10.08	5.48		4.12		3.67	3.57
10				9.67	12.39	9.84	5.20				3.66	3.55
11				14.65	10.65	8.96	5.06			3.89	3.68	3.51
12				16.04	8.94	7.76	4.97			3.85	3.79	3.51
13				16.44	9.73	6.75	4.91			4.16	4.09	3.49
14				16.10	9.78	6.37	4.84			4.16	3.95	3.46
15				12.61	9.49	6.16	4.80			4.46	3.92	3.45
16				8.84	9.21	6.56	4.82			4.37	3.95	3.46
17				7.54	9.61	7.15	4.95			4.10	3.92	3.43
18				6.87	8.51	7.25	5.08			3.96	4.00	3.45
19				6.61	7.31	7.11	5.14			3.93	3.81	3.51
20				7.86	6.84	6.36	4.86			3.91	3.73	3.53
21				10.02	6.70	5.88	4.75			3.91	3.66	3.51
22				12.89	6.42	5.66	4.80			3.87	3.66	3.60
23				12.66	6.29	5.51	5.03			3.82	3.79	3.60
24				10.15	6.33	5.35	5.29			3.77	3.86	3.60
25				8.70	6.13	5.23	5.46			3.74	3.91	3.57
26				7.46	5.94	5.16				3.80	3.91	3.64
27				6.76	5.78	5.14	4.78				3.96	3.76
28				6.43	5.63	5.72					3.91	3.80
29				6.39	5.70	7.38				4.28	3.86	3.77
30				9.59	-----	8.45				4.04	3.72	3.83
31		-----		14.08	-----	8.27	-----		-----	4.89	3.66	-----
MEAN				10.64	9.37	7.72					3.91	3.59
MAX				17.02	14.17	11.92					4.97	3.83
MIN				6.28	5.63	5.14					3.66	3.43

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.76	3.90	4.32	12.45	5.45	5.40	15.30	11.08	7.05	4.62	4.46	
2	3.69	3.88	4.20	12.38	6.33	5.33	18.62	8.50	6.42	4.55	4.70	4.48
3	3.65	3.87	4.11	12.58	8.54	6.64	21.36	7.70	6.69	4.50	4.43	
4	3.60	3.82	4.06	12.64	10.10	8.80	20.40	8.19	6.28	4.62	4.34	4.48
5	3.58	3.79	4.22	11.23	10.90	10.21	17.13	4.17	5.96	4.83	4.30	4.81
6	3.57	3.76	9.12	10.00	8.34	9.89	10.31	7.64	6.72	5.12	4.21	5.48
7	3.55	3.74	11.55	9.73	7.00	14.10	11.28	7.37	6.83	7.08	4.18	5.95
8	3.54	3.74	8.44	10.89	6.43	18.33	14.59	12.02	6.67	7.30	4.24	5.56
9	3.51	3.73		12.22	9.24	16.94	13.96	16.23	7.97	6.62	4.23	5.13
10	3.51	3.78		11.45	11.27	13.65	13.21	15.54	8.48	5.53	4.20	4.85
11	3.50	3.78		10.73	10.28	11.17	12.36	15.34	7.72	4.98	4.19	4.68
12	3.49	3.75		9.44	9.01	13.00	9.54	14.20	6.99	4.74	4.28	4.87
13	3.48	4.06		7.57	7.67	13.62	8.14	9.71	6.35	4.62		5.55
14	3.47	5.57		6.69	9.16	13.28	7.28	7.89	6.70	4.69		6.16
15	3.47	4.81		6.29	13.75	12.55	6.90	6.91	6.43	4.62		6.05
16	3.47	4.52		6.02	15.34	10.04	6.80	6.42	6.02	4.68		5.57
17	3.46	4.22		5.81	16.04	13.68	8.93	6.09	5.84	5.05		5.03
18	3.45	4.06		5.68	14.62	15.20	14.19	5.88	5.68	4.71	6.79	4.63
19	3.45	4.29		5.62	9.92	13.92	19.05	5.73	5.37	4.49	7.99	4.47
20		4.45		5.58	7.95	12.00	19.28	5.63	5.15	4.64	8.13	
21		4.45		6.16	6.92	10.01	19.31	5.63	5.46	4.72	7.64	
22		4.24	20.10	9.17	6.43	8.48	17.79	5.54	5.65	4.71	6.26	
23	4.40	4.07	18.90	9.05	6.13	7.43	13.19	5.43	5.67	4.65	4.93	
24	5.08	3.98	15.80	8.51	5.93	7.47	9.02	8.58	6.32	4.58	4.52	
25	5.06	4.52	13.68	7.47	5.81	18.76	11.20	13.09	5.91	4.60		
26	4.44	5.52	9.73	6.36	5.78	21.86	18.30	10.62	5.32	4.52		
27	4.38	5.55	7.42	6.05	5.71	23.45	20.93	10.39	5.65	4.71		
28	4.38	5.14	6.52	5.99	5.55	23.08	21.37	9.91	4.99	5.30		
29	4.45	4.72	6.12	5.91	-----	19.83	19.53	8.32	4.95	4.78		4.60
30	4.24	4.47	5.90	5.76	-----	15.22	16.53	7.37	4.74	4.51		4.69
31	4.02	-----	9.73	5.56	-----	13.69	-----	6.66	-----	4.48	-----	-----
MEAN		4.27		8.42	8.77	13.13	14.53	8.96	6.18	4.95		
MAX		5.57		12.64	16.04	23.45	21.37	16.23	8.48	7.30		
MIN		3.73		5.56	5.45	5.33	6.80	5.43	4.74	4.48		

PASCAGOULA RIVER BASIN

02473000 Leaf River at Hattiesburg, Miss.--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.48		6.38	13.62	11.14	6.08	7.40	5.75	4.76	4.18	4.41	5.87
2	6.29		5.48	14.42	9.49	5.94	8.94	5.64	5.18	4.12	4.25	5.58
3	5.73		5.02	12.48	9.26	5.86	12.26	5.72	6.06	4.08	4.28	6.08
4	5.57		5.24	12.72	8.38	5.77	11.89	5.55	5.72	4.08	4.88	7.18
5	4.93	5.28	6.37	11.56	7.51	5.69	11.63	5.93	5.27	4.13	4.50	6.21
6	4.61		6.66	10.95	6.96	5.61	10.27	7.28	5.83	4.26	4.19	4.97
7	4.46		6.25	10.38	10.23	5.53	7.66	6.51	9.10	4.40	4.34	5.03
8	4.39	5.67	5.67	10.66	11.71	5.42	6.48	5.79	9.51	4.41	4.52	10.20
9	4.38	5.22	5.10	10.25	10.20	5.33	6.05	5.45	8.18	4.23	4.50	13.48
10	4.37	5.09	4.87	10.18	9.15	5.28	5.74	5.27	6.75	4.11	4.32	13.54
11	4.56			10.22	8.05	5.25	5.50	6.65	6.41	4.03	4.17	10.96
12	4.67	4.91	4.65	12.09	7.07	6.46	5.76	11.08	5.83	3.98	4.02	8.64
13	4.64	4.74	4.62	11.94	6.54	9.20	18.84	9.85	5.15	3.94	3.94	6.87
14	4.41	4.62	4.58	11.24	6.30	8.80	25.78	8.26	5.14	3.92	4.81	5.75
15	4.36	4.56	4.62	10.51	6.35	7.80	33.60	6.79	6.12	4.09	5.82	5.15
16	4.34	4.53	4.63	10.17	9.87	6.70	32.31	5.83	5.32	4.50	4.81	4.87
17	4.69	4.48	4.59	9.96	12.70	5.95	28.72	5.76	4.78	4.57	4.58	4.69
18	4.96	4.45	4.55	9.78	12.91	5.62	23.78	5.61	4.58	4.24	5.26	4.54
19	4.88	4.43	4.56	8.61	14.16	5.45	17.36	5.28	4.48	4.08	5.64	4.41
20	4.63	4.40	6.37	10.21	13.28	5.44	10.49	5.03	4.41	3.99	5.34	4.32
21	4.40	4.69	8.44	13.37	10.55	6.07	8.52	4.91	4.34	4.04	4.81	4.24
22	4.28	6.14	8.52	14.57	9.78	7.02	7.35	5.32	4.29	4.21	4.39	4.16
23	4.21	6.21	8.10	15.11	9.33	6.95	7.72	12.28	4.40	4.08	4.13	4.07
24	4.20		7.30	15.39	8.93	6.37	8.56	11.38	5.82	4.29	4.01	4.02
25			13.15	16.13	8.41	5.97	8.62	7.20	6.95	5.05	3.94	3.97
26		5.20	24.07	16.65	7.35	6.56	8.14	5.79	5.69	4.95	3.94	4.06
27		5.05	26.66	16.00	6.66	11.20	6.99	5.37	4.92	5.57	3.97	4.38
28		6.26	25.16	15.30	6.27	13.96	6.38	5.30	4.53	6.25	4.08	4.61
29		7.58	21.77	15.39	-----	12.10	6.08	5.16	4.35	5.73	4.68	4.52
30		7.10	18.62	14.32	-----	10.06	5.89	4.96	4.24	4.63	5.16	5.49
31	4.20	-----	13.78	12.71	-----	8.57	-----	4.80	-----	4.47	5.26	-----
MEAN				12.49	9.23	7.03	12.17	6.50	5.60	4.41	4.55	6.06
MAX				16.65	14.16	13.96	33.60	12.28	9.51	6.25	5.82	13.54
MIN				8.61	6.27	5.25	5.50	4.80	4.24	3.92	3.94	3.97

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.61	4.42	6.03	6.23	---	6.48	7.74	10.81	5.71	5.70	9.42	---
2	5.42	4.24	5.82	5.88	---	6.03	7.35	12.24	5.51	5.17	14.05	---
3	4.74	4.11	5.67	5.65	6.05	5.82	7.96	12.38	4.86	4.86	11.32	---
4	4.34	4.03	5.22	5.64	6.18	6.98	10.60	12.53	4.53	5.06	10.57	---
5	4.16	4.01	4.82	5.52	6.49	9.17	9.45	12.07	4.36	4.54	9.77	3.91
6	4.08	4.00	4.63	5.31	6.77	7.86	8.21	11.26	4.48	4.42	8.64	4.39
7	4.01	3.97	6.78	5.35	6.99	6.79	6.61	12.73	4.95	4.18	7.43	4.44
8	3.98	3.96	11.13	14.14	7.02	6.15	6.40	19.95	6.02	4.12	6.86	4.80
9	3.95	3.95	11.73	17.06	6.89	5.80	8.45	21.76	6.58	4.14	6.02	5.35
10	3.92	3.98	12.86	15.38	6.79	5.56	8.88	20.90	6.51	4.55	5.48	5.55
11	3.89	4.46	12.82	17.17	6.71	5.44	10.00	16.08	7.59	6.62	5.45	5.04
12	3.89	5.24	9.66	18.39	6.61	5.40	8.52	10.71	8.57	7.06	5.20	4.48
13	3.87	4.97	7.58	19.96	6.55	5.61	7.07	8.52	7.25	6.02	4.87	4.48
14	3.85	4.62	6.59	20.85	6.53	7.25	9.52	7.14	6.14	4.92	4.51	4.16
15	3.99	4.34	6.81	19.03	6.49	8.09	15.13	6.71	5.33	4.31	4.34	4.02
16	4.76	4.29	7.48	14.72	8.31	10.15	13.39	7.27	5.52	4.19	4.23	3.79
17	4.92	4.82	6.49	9.63	18.55	11.98	11.12	8.08	5.66	4.23	4.17	3.75
18	4.54	6.89	5.99	8.16	21.12	14.03	9.26	7.97	5.43	4.38	4.11	5.23
19	4.24	6.09	5.65	7.45	19.94	15.39	7.19	6.95	5.76	4.16	4.78	6.12
20	4.07	6.96	5.94	7.70	16.37	13.23	6.14	6.03	5.29	4.58	5.89	5.41
21	3.97	7.23	6.43	7.66	11.46	11.61	5.68	5.58	5.38	4.96	5.34	4.53
22	3.93	6.30	6.39	7.16	8.71	10.18	5.39	5.31	5.38	5.31	4.49	4.11
23	3.89	6.52	5.93	6.73	7.78	8.10	5.18	5.10	5.14	5.39	---	4.01
24	3.88	6.04	6.94	6.43	8.36	7.46	5.05	4.94	4.82	4.74	---	4.19
25	3.87	5.28	10.02	12.94	8.27	8.38	4.95	4.80	4.43	4.46	---	4.84
26	3.86	5.12	11.91	14.95	8.44	7.97	4.86	4.69	4.23	4.42	---	4.82
27	3.87	4.91	13.46	12.29	7.79	7.42	4.75	4.61	4.17	4.73	---	4.23
28	3.84	4.85	14.38	11.17	6.94	6.46	4.66	4.61	4.29	4.43	---	3.90
29	4.16	4.71	11.14	9.61	---	5.91	4.62	4.69	4.60	4.49	---	3.74
30	5.45	4.93	7.78	---	---	6.24	5.66	4.86	5.75	4.68	---	3.70
31	4.56	---	6.79	---	---	7.53	---	5.19	---	4.99	---	---
MEAN	4.24	4.98	8.09			8.08	7.66	9.24	5.47	4.85		
MAX	5.61	7.23	14.38			15.39	15.13	21.76	8.57	7.06		
MIN	3.84	3.95	4.63			5.40	4.62	4.61	4.17	4.12		

02473500 Tallahala Creek at Laurel, Miss.

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

AVERAGE DISCHARGE.--37 years, 339 ft³/s (9.600 m³/s), 19.76 in/yr (502 mm/yr).

EXTREMES.--Current year: Maximum discharge, 5,580 ft³/s (158 m³/s) Feb. 19 (gage height, 17.32 ft or 5.279 m); minimum, 32 ft³/s (0.91 m³/s) Oct. 14, 15.

Period of record: Maximum discharge, 23,300 ft³/s (660 m³/s) Apr. 14, 1974 (gage height, 23.28 ft or 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.

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.

REMARKS.--Records good.

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	255	60	244	314	433	322	555	717	418	210	518	41
2	174	56	349	271	365	241	666	962	210	153	370	41
3	101	51	344	245	332	253	938	905	137	134	371	39
4	75	46	237	250	384	252	1140	1049	99	194	458	36
5	62	47	168	239	529	311	1210	1230	81	320	294	36
6	52	46	187	216	563	304	1370	996	72	284	219	36
7	47	48	480	213	609	258	1540	1050	74	169	161	42
8	44	47	1050	864	487	223	956	1780	204	121	300	68
9	41	45	1250	1350	322	149	514	1630	305	97	321	98
10	38	46	1400	1480	281	130	512	1540	282	158	258	118
11	36	96	1500	2150	271	170	685	1650	408	273	179	97
12	35	109	1600	3220	276	174	720	1350	653	434	126	69
13	33	129	400	3630	344	148	465	786	725	305	103	56
14	33	131	368	4880	499	377	527	389	786	172	91	48
15	49	93	332	3140	430	656	1110	365	590	124	80	39
16	81	82	364	2520	408	947	1140	364	277	103	76	36
17	105	114	340	1970	2170	1220	1130	447	232	91	67	55
18	78	258	302	1130	3260	1540	1420	510	194	82	63	57
19	66	394	256	476	5120	1740	1570	321	163	76	85	143
20	52	426	314	434	3220	1540	770	206	148	73	117	222
21	45	301	354	504	2230	1540	257	155	148	192	119	112
22	41	281	345	556	1450	1470	149	127	150	250	105	41
23	39	352	340	461	625	1150	168	108	146	119	83	87
24	38	221	374	357	611	548	151	45	115	95	67	122
25	37	174	573	1020	632	642	134	64	101	120	61	143
26	36	153	435	1350	690	748	122	76	101	94	69	168
27	35	148	1030	1260	786	742	110	73	104	157	82	103
28	36	144	1990	1800	601	747	109	69	204	293	64	75
29	180	128	2200	2450	---	415	43	123	253	223	53	50
30	94	173	1470	1550	---	346	284	478	251	173	47	54
31	70	---	495	965	---	446	---	545	---	245	44	---
TOTAL	2114	4413	22411	40777	28442	20270	20706	21275	7542	5535	5052	2422
MEAN	68.1	147	719	1315	1015	633	530	654	234	178	162	40.7
MAX	255	426	2200	3880	5120	1740	1570	1780	786	434	518	222
MIN	33	45	164	213	271	170	93	59	72	73	44	36
CFS/4	.29	.63	3.09	5.65	4.35	2.11	2.96	2.41	1.09	.77	.70	.35
IN.	.34	.70	3.55	5.51	4.28	3.24	3.31	3.24	1.22	.88	.81	.39
CAL YR 1974	TOTAL	204639	MEAN	575	MAX	14400	MIN	33	CFS/4	2.47	IN	33.52
WTR YR 1975	TOTAL	179359	MEAN	433	MAX	5120	MIN	33	CFS/4	2.12	IN	28.73

PEAK DISCHARGE (BASE, 3,000 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
01-14	0600	16.26	4,070	02-19	0500	17.32	5,580

PASCAGOULA RIVER BASIN

02474500 Tallahala Creek near Runnelstown, Miss.

LOCATION.--Lat 31°19'57", long 89°06'46", in SE½SE¼ sec.5, T.4 N., R.11 W., St. Stephens meridian, Perry County, on right bank at downstream side of highway bridge between Sunrise and Runnelstown, 3 miles (5 km) south of Runnelstown, and 9 miles (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.

AVERAGE DISCHARGE.--36 years, 925 ft³/s (26.20 m³/s), 20.53 in/yr (521 mm/yr).

EXTREMES.--Current year: Maximum discharge, 7,330 ft³/s (208 m³/s) May 8 (gage height, 19.48 ft or 5.938 m); minimum, 128 ft³/s (3.62 m³/s) Oct. 29; minimum gage height, 5.99 ft (1.826 m) Sept. 5.

Period of record: Maximum discharge, 32,800 ft³/s (929 m³/s) Feb. 24, 1961 (gage height, 29.84 ft or 9.095 m in gage well, 30.07 ft or 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.

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.

REMARKS.--Records good. Records of chemical analyses for the current year are published in the water-quality section of this 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	408	285	464	1680	2780	1620	1530	2330	1410	624	1510	212
2	713	228	425	493	1460	1130	1450	2590	1020	576	3610	202
3	490	194	824	826	1130	975	1700	2390	683	678	2720	196
4	330	192	427	834	1070	1340	2380	2800	480	652	1730	188
5	251	172	650	831	1480	1730	2810	2810	386	501	2180	186
6	217	170	495	738	1530	1410	2870	3010	341	534	1650	241
7	196	155	404	668	1430	1230	2700	3960	419	610	994	229
8	180	164	1900	4230	1420	1010	2710	7010	590	427	786	358
9	170	165	2050	5150	1260	863	2680	6120	740	331	894	509
10	162	163	1950	4660	946	746	2080	5160	876	293	990	311
11	156	252	1880	5350	820	698	2800	4300	1240	370	866	313
12	152	556	1000	5080	783	668	2260	3690	1790	893	678	348
13	147	460	2160	4980	762	703	1720	3200	1850	940	549	594
14	145	414	2090	5280	857	1340	2920	2190	1630	722	421	401
15	160	364	1430	5810	1050	1610	4070	1320	1520	437	382	257
16	224	318	1850	6270	1320	2580	3660	1160	1230	328	311	216
17	319	417	1350	5840	4070	3040	3230	1300	745	301	286	203
18	358	1010	1090	4840	5920	4180	2900	1480	622	562	262	330
19	274	1030	493	3560	5900	4460	2710	1350	913	377	265	357
20	219	1410	974	2120	5990	4040	2660	970	929	269	520	425
21	187	1360	1160	1780	6730	3570	1940	674	698	246	774	613
22	166	935	1130	1610	6140	3150	991	558	427	730	441	466
23	154	752	1080	1560	4740	2840	757	488	372	936	341	356
24	149	774	1350	1380	2720	2720	646	439	352	418	289	356
25	141	732	1750	3190	2090	2150	580	402	339	344	255	344
26	139	592	2060	4400	1870	1960	534	371	296	365	232	360
27	134	577	2150	3920	1840	1850	493	344	272	564	225	385
28	132	446	2140	3470	1870	1810	457	333	337	684	239	310
29	142	426	2430	3180	---	1750	439	346	694	613	247	257
30	1090	560	2410	3300	---	1510	652	431	614	490	221	229
31	611	---	2430	3470	---	1520	---	1140	---	469	214	---
TOTAL	4556	15422	44207	101040	59958	50383	59329	64666	23815	16284	25082	9752
MEAN	276	514	1555	3254	2498	1947	1477	2036	793	525	809	325
MAX	1090	1410	2440	5270	6730	4460	4070	7010	1850	940	3610	613
MIN	132	163	456	668	762	668	439	333	272	246	214	186
CFSM	.45	.44	2.54	7.33	4.08	3.18	3.23	3.41	1.30	.86	1.32	.53
IN	.52	.44	2.43	7.14	4.25	3.67	3.61	3.43	1.45	.99	1.52	.59
CM YR 1974	TOTAL	559473	MEAN	1532	MAX	26400	MIN	132	CFSM	2.50	IN	34.01
YR 1975	TOTAL	502504	MEAN	1375	MAX	7010	MIN	132	CFSM	2.25	IN	30.54

PASCAGOULA RIVER BASIN

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02474600 Bogue Homo near Richton, Miss.

LOCATION.--Lat 31°24'12", long 89°01'18", in NE¼NW¼ sec.17, T.5 N., R.10 W., St. Stephens meridian, Perry County, at bridge on county highway, 0.5 mile (0.8 km) upstream from Linda Creek, 1.0 mile (1.6 km) downstream from Sweetwater Creek, 3.5 miles (5.6 km) upstream from State Highway 42, and 6.0 miles (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 or 35.7 m (from topographic map).

AVERAGE DISCHARGE.--5 years, 684 ft³/s (19.37 m³/s), 27.00 in/yr (686 mm/yr).

EXTREMES.--Current year: Maximum discharge, 6,820 ft³/s (193 m³/s) May 8 (gage height, 16.88 ft or 5.145 m); minimum, 39 ft³/s (1.10 m³/s) Oct. 10, 11, due to temporary regulation by Bogue Homo Lake; minimum unregulated, 60 ft³/s (1.70 m³/s) Oct. 29 (gage height, 4.21 ft or 1.283 m).

Period of record: Maximum discharge, 21,900 ft³/s (620 m³/s) Dec. 28, 1973 (gage height, 27.63 ft or 8.422 m, from floodmark); minimum, 7.0 ft³/s (0.20 m³/s) Sept. 16, 1972 (gage height, 3.60 ft or 1.097 m).

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 miles (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.

REMARKS.--Records fair. Discharge affected by occasional regulation of Bogue Homo Lake.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	229	331	962	582	1,030	473	711	962	302	298	629	102
2	277	205	832	539	733	385	658	1,190	389	470	1,460	98
3	280	122	646	478	646	339	711	1,080	372	592	1,580	94
4	218	93	539	411	674	615	721	1,950	220	485	1,640	90
5	140	79	440	436	913	1,030	633	2,100	145	266	1,330	48
6	111	73	425	356	922	833	745	1,910	128	227	1,540	86
7	96	72	602	393	805	612	953	2,400	228	350	1,350	94
8	65	75	953	3,950	710	513	1,100	5,700	374	325	1,030	90
9	48	73	872	5,470	614	450	1,270	4,640	299	160	1,060	274
10	41	70	796	4,040	554	395	1,360	2,920	285	140	986	397
11	60	140	715	5,280	531	350	1,620	2,370	518	312	678	381
12	73	380	646	4,420	512	349	1,320	1,940	1,110	509	382	296
13	73	485	630	3,800	455	372	1,040	1,640	1,050	454	224	862
14	72	378	590	3,060	298	745	2,190	1,300	707	323	173	992
15	84	257	622	2,450	248	761	3,190	863	743	236	145	787
16	98	209	1,060	2,050	414	1,340	2,550	751	557	160	128	451
17	105	364	1,200	1,680	1,800	1,820	1,860	800	323	135	118	121
18	111	944	1,060	1,340	3,500	2,450	1,780	782	281	120	108	133
19	117	971	958	976	4,040	2,630	1,650	746	332	170	100	173
20	109	1,190	971	841	3,720	2,630	1,310	647	1,380	130	98	450
21	102	1,260	990	895	2,870	2,290	719	617	850	110	410	960
22	98	733	827	751	2,070	1,910	375	413	355	100	291	1,020
23	94	574	724	698	1,520	1,540	274	237	222	434	194	800
24	91	470	850	666	1,410	1,460	227	185	192	429	160	630
25	91	466	1,020	1,650	1,070	1,090	202	160	140	214	140	479
26	91	622	1,100	2,870	774	738	180	144	128	222	125	382
27	89	512	995	2,820	689	623	166	133	120	294	118	244
28	83	407	872	2,320	610	641	155	123	115	502	110	179
29	63	333	779	2,030	-----	645	148	116	112	688	120	125
30	117	531	699	1,880	-----	652	271	110	140	576	112	114
31	325	-----	634	1,520	-----	850	-----	188	-----	341	105	-----
TOTAL	3,651	12,419	24,997	60,772	34,132	31,621	30,089	39,117	12,118	9,812	16,546	11,042
MEAN	118	414	806	1,960	1,219	1,020	1,003	1,262	404	317	537	370
MAX	325	1,260	1,200	5,470	4,040	2,630	3,190	5,700	1,380	688	1,640	1,020
MIN	41	70	425	393	248	339	148	110	112	100	98	86
CFSM	.34	1.20	2.34	5.70	3.54	2.37	2.92	3.67	1.17	.92	1.56	1.08
IN.	.39	1.34	2.70	6.57	3.69	3.42	3.25	4.23	1.31	1.06	1.80	1.20
CAL YR 1974	TOTAL 297,339	MEAN 815	MAX 11,600	MIN 19	CFSM 2.37	IN 32.15						
WTR YR 1975	TOTAL 286,466	MEAN 785	MAX 5,700	MIN 41	CFSM 2.24	IN 30.94						

PASCAGOULA RIVER BASIN

02474740 Leaf River at Beaumont, Miss.

LOCATION.--Lat 31°11'00", long 88°55'30", in NW¼ sec.32, T.3 N., R.9 W., St. Stephens meridian, at bridge on State Highway 15, 1 mile (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.--January 1972 to current year (gage heights only). March to July 1965, occasional discharge measurements. 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 mile (0.2 km) upstream.

EXTREMES.--Maximum and minimum gage heights (at 0700) for January 1972 to September 1975 are contained in the following table.

Water year	Date	Maximum		Date	Minimum	
		Gage height			Gage height	
		feet	metres		feet	metres
1972*	Feb. 7	18.60	5.669	Sept. 23	2.22	0.677
1973	Mar. 30	23.88	7.279	Oct. 6	2.27	.692
1974	Apr. 17	32.02	9.760	Oct. 12	2.81	.856
1975	May 11	24.09	7.343	Oct. 29	4.37	1.33

*January to September.

Period of record: Maximum 32.80 ft (9.997 m) Feb. 23, 1961; minimum since January 1971, 2.27 ft (0.692 m) Oct. 6, 1972.

REMARKS.--Records furnished by National Weather Service.

GAGE HEIGHT, IN FEET, AT 0700, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1				6.99	13.45	4.15	9.25	5.10	3.35		3.15	2.62
2				7.48	15.10	10.01	8.63	5.00	3.51		3.24	2.60
3				8.25	16.66	13.09	7.12	4.89	3.45		3.75	2.56
4				7.79	16.98	15.61	6.81	8.65	3.38		3.79	3.52
5				8.16	17.51	16.06	7.42	6.77	3.30		3.50	2.47
6				10.56	17.95	16.86	7.19		3.27	3.90	3.39	2.44
7				13.09	18.31	15.12	6.98	6.20	3.31	3.80	3.37	2.42
8				15.98	18.60	14.60	6.70	9.10	3.35	3.72	2.95	2.43
9				17.28	17.99	13.87	6.49	14.73	3.36	3.61	2.89	2.44
10				17.16	17.85	12.16	6.31	14.65	3.38	3.38	2.77	2.46
11					17.78	10.98	6.04	12.99	3.40	3.24	2.65	2.43
12				18.32	17.70	9.25	5.91	13.28	3.47	3.14	2.10	
13				16.55	15.64	8.48	5.84	14.19	3.62	3.35	2.68	2.47
14				17.08	13.39	7.50	5.72	12.72	3.68	3.65	2.63	2.40
15				16.54	12.78	7.02	5.66	12.98	3.59	3.52	2.65	2.39
16				16.30	12.12	6.78	5.51	11.60	3.80	3.77	2.91	2.38
17				14.38	11.81	6.49	5.09	10.09	3.65	4.26	2.94	2.35
18				11.80	11.15	5.96	5.93	8.76	3.92	4.40	3.02	2.32
19				10.51	10.30	5.51	6.33	7.45	4.09	4.10	2.99	2.27
20				8.34	9.72	5.01	6.59	6.90	4.00	3.96	2.93	2.24
21				10.20	8.56	4.89	7.02	6.02	3.73	3.84	2.87	2.23
22				13.22	8.13	7.25	7.95	5.34	3.55	3.73	2.80	2.23
23				15.47	9.95	7.08	8.85	5.10	3.28	3.65	2.73	2.22
24				16.99	7.06	6.96	9.28	4.58	3.11	3.50	2.69	2.25
25				14.87	6.71	6.50	8.82	4.11	3.20	2.98	2.71	2.25
26				13.14	5.20	6.03	8.12	3.90	3.55	3.18	2.72	2.30
27				12.76	4.96	5.68	6.90	3.78	3.26	3.25	2.75	2.30
28				11.02	4.52	5.24	5.66	3.45		3.12	2.79	2.36
29				10.39	4.30	6.85	5.42	3.31		3.06	2.74	2.41
30				11.52	-----	8.10	5.29	3.19		3.00	2.70	2.38
31		-----		12.80	-----	8.92	-----	3.14	-----	3.08	2.66	-----
MEAN					12.49	8.97	6.83				2.92	
MAX					18.60	16.86	9.28				3.79	
MIN					4.30	4.15	5.09				2.10	

PASCAGOULA RIVER BASIN

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02474740 Leaf River at Beaumont, Miss.--Continued

GAGE HEIGHT, IN FEET, AT 0700, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.36	3.70		12.68	6.31	5.71	22.64	23.11	6.59	4.87	4.73	4.91
2	2.33	3.12		14.22	6.97	5.37	21.86	22.74	6.27	4.79	4.99	4.56
3	2.30	2.98	4.32	14.46	7.15	4.90	20.46	18.10	6.47	4.71	6.01	4.15
4	2.30	3.15	4.14	14.52	8.41	5.32	20.04	12.44	7.74	4.92	6.11	4.03
5	2.29	3.21	4.04	14.81	9.52	8.17	21.60	10.12	7.92	5.07	5.09	4.36
6	2.27	3.28	4.37	14.62	9.72	9.03	21.96	9.57	8.53	5.18	4.74	5.06
7	2.28	3.32	9.20	13.22	10.15	10.82	20.47	9.48	8.87	5.33	4.47	6.64
8	2.30	2.94	10.50	12.37	9.74	11.83	19.46	10.08	8.96	7.63	4.17	7.14
9	2.32	2.89	12.50	13.97	10.21	15.99	19.07	14.56	8.14	7.98	4.11	7.21
10	2.32	2.79	11.20	13.08	10.78	18.89	18.61	17.49	7.62	8.42	4.03	7.38
11	2.35	2.75	13.10	12.81	11.61	20.36	18.24	18.92	7.52	8.61	3.99	7.49
12	2.35	2.72		12.36	12.34	20.14	16.31	17.68	8.78	8.87	3.95	5.30
13	2.36	2.66	6.11	11.92	12.87	17.86	15.64	16.73	9.41	8.59	3.93	5.21
14	2.34	3.41	5.94	10.48	10.61	17.29	15.11	15.12	7.51	7.38	4.07	5.68
15	2.32	6.57	5.59	9.74	12.22	16.97	9.86	12.07	6.79	6.13	4.02	5.89
16	2.30	5.37	6.21	8.67	13.76	15.03	8.69	9.81	6.22	5.27	4.21	6.19
17	2.29	4.95	6.91	7.97	14.26	13.76	9.27	8.57	5.98	5.03	4.93	6.53
18	2.28	4.61	7.18	7.28	14.88	12.48	12.57	7.39	5.60	4.89	6.63	6.87
19	2.28	4.48	6.74	6.92	15.34	11.21	17.44	6.88	5.41	4.63	7.15	6.41
20	2.38	4.11	6.40	6.44	15.07	15.86	17.93	6.49	5.16	4.57	7.67	5.94
21	2.38	3.87	6.79	6.68	11.02	17.21	20.77	6.40	4.96	4.42	8.31	5.42
22	2.40	3.68	5.10	7.12	9.77	17.56	20.62	6.23	4.53	4.87	8.74	4.61
23	2.39	3.55		7.30	7.76	16.54	20.52	6.12	5.35	5.23	6.77	4.12
24	2.68	3.34		7.19	6.97	10.63	19.53	5.96	6.55	5.59	5.91	3.76
25	4.16	3.37		6.88	5.64	16.98	16.03	11.87	6.98	4.96	5.88	3.55
26	4.49	5.56	17.11	6.38	4.81	20.36	15.37	12.01	7.12	4.58	5.63	3.39
27	4.31	5.80	13.37	6.49	6.10	22.21	18.44	13.37	5.71	4.43	5.49	3.24
28	4.18	5.59	10.14	6.92	5.97	23.08	20.14	13.21	5.39	4.31	5.23	3.16
29	4.05	5.23	8.29	7.12	-----	23.81	20.23	12.21	5.19	4.62	5.11	3.11
30	3.92	4.98		6.89	-----	23.88	23.29	11.68	5.03	4.89	4.98	3.26
31	3.82	-----		6.54	-----	23.39	-----	10.43	-----	4.57	5.17	-----
MEAN	2.75	3.93		9.94	10.00	15.25	18.07	12.16	6.74	5.66	5.36	5.15
MAX	4.49	6.57		14.81	15.34	23.88	23.29	23.11	9.41	8.87	8.74	7.49
MIN	2.27	2.66		6.38	4.81	4.90	8.69	5.96	4.53	4.31	3.93	3.11

GAGE HEIGHT, IN FEET, AT 0700, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.37	3.55	7.98	24.98	20.25	9.82	18.11	7.71	7.91	5.29	6.49	7.21
2	3.40	3.79	7.61	23.21	19.29	8.96	12.79	7.68	7.58	5.28	6.63	8.74
3	3.57	3.81	7.26	20.77	18.92	8.03	13.28	7.15	7.23	5.17	6.39	9.51
4	3.62	3.89	7.02	19.19	18.36	7.65	14.48		7.13	5.02	6.23	10.64
5	6.45	3.86	7.61	18.47	17.94	7.18	15.71	8.01	7.35	4.98	5.92	11.06
6	5.89	5.87	7.93	17.22	16.43	6.83	16.22	8.42	8.89	4.94	5.88	9.74
7	5.63	6.55	7.85	15.95	10.26	6.64	15.13	8.93	8.97	4.96	5.84	7.85
8	5.11	6.87	7.47	13.79	11.48	6.25	13.52	9.07	9.51	5.03	5.80	12.26
9	4.73	6.93	7.14	11.53	12.81	6.03	12.61	9.31	11.97	5.06	5.78	16.48
10	4.35	6.85	6.81	11.19	13.32	5.89	9.20	9.45	13.44	5.09	5.76	18.81
11	3.11	6.67	6.24	11.07	13.58	5.60	8.69	7.32	12.49	5.12	5.79	19.42
12	2.81	6.41	5.91	11.54	13.67	6.14	8.02	11.80	11.85	5.10	5.84	18.96
13	3.27	6.19	5.59	13.79	10.08	7.82	11.98	10.90	11.47	5.02	5.86	18.03
14	3.41	5.97	5.17	15.65	9.83	9.66	21.83	15.46	12.58	4.99	5.99	16.91
15	3.53	5.70	4.98	16.21	9.46	11.15	24.83	14.01	7.44	4.97	6.06	11.87
16	3.78	5.84	5.04	16.48	9.66	11.83	27.93	13.73	7.59	5.07	7.50	9.15
17	3.86	5.90	5.11	13.15	9.29	10.61	32.02	12.87	7.67	5.19	7.78	7.79
18	4.05	5.42	5.17	12.09	9.18	9.08	31.73	10.63	7.78	5.21	7.43	7.54
19	4.09	5.16	5.22	11.87	10.64	8.23	29.38	9.90	8.43	5.32	7.15	6.68
20	3.98	4.97	5.67	13.24	15.93	7.52	26.90	9.07	8.54	5.21	7.09	5.98
21	3.78	4.72	5.72	14.35	16.32	7.94		8.72	8.82	5.12	7.93	5.81
22	3.59	5.44	6.89	15.61	16.54	8.33	20.91	8.54	8.64	4.95	8.06	5.66
23	3.47	6.70	7.32	16.38	16.98	8.56	12.86	6.90	8.27	4.95	6.05	5.58
24	3.41	7.03	7.98	17.46	14.52	8.87	11.37	11.22	7.84	4.93	5.94	5.79
25	3.30	7.28	8.41	18.53	13.28	9.09	10.12	12.15	7.37	5.48	5.91	5.74
26	3.24	6.84	10.15	20.26	12.41	9.24	9.76	11.94	7.94	5.63	5.88	5.69
27	3.18	6.70	20.43	21.98	11.73	14.09	8.12	10.78	8.14	5.79	5.87	5.03
28	3.12	7.12	24.25	21.05	10.47	16.75	8.03	10.31	8.19	5.93	5.86	4.97
29	3.04	7.88	27.23	21.12	-----	18.14	7.93	8.63	7.29	6.14	5.90	4.92
30	3.02	8.32	28.15	20.51	-----	19.02	7.74	8.49	5.33	6.22	5.93	4.89
31	2.97	-----	26.97	20.55	-----	18.73	-----	8.17	-----	6.41	6.43	-----
MEAN	3.81	5.94	9.75	16.77	13.67	9.67			8.79	5.28	6.35	9.62
MAX	6.45	8.32	28.15	24.98	20.25	19.02			13.44	6.41	8.06	19.42
MIN	2.81	3.55	4.98	11.07	9.18	5.60			5.33	4.93	5.76	4.89

PASCAGOULA RIVER BASIN

02474740 Leaf River at Beaumont, Miss.--Continued

GAGE HEIGHT, IN FEET, AT 0700, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.88	8.01	6.13	11.98	12.24	10.81	8.93	7.89	7.55	6.53	7.31	4.78
2	4.85	7.24	8.45	9.67	10.76	10.36	9.31	13.10	7.94	7.34	10.53	4.80
3	4.82	6.11	8.77	8.12	9.16	9.74	9.75	14.59	7.42	8.21	12.97	4.74
4	4.78	5.47	8.51	7.51	8.63	9.93	10.18	15.48	6.71	7.63	15.20	4.71
5	4.76	4.99	7.98	7.38	9.54	12.87	10.42	16.95	6.13	6.87	13.42	4.69
6	4.76	4.87	6.67	7.11	10.35	11.48	9.80	16.06	5.97	6.22	13.26	4.63
7	4.74	4.71	7.25	6.93	10.67	10.22	9.44	15.32	6.37	5.88	13.04	4.70
8	4.70	4.66	8.01	7.39	9.92	9.61	10.88	19.36	6.93	5.61	10.04	4.97
9	4.67	4.63	8.46	19.02	9.06	8.33	11.53	22.39	9.22	5.46	9.84	5.21
10	4.63	4.67	8.25	21.96	8.89	7.84	12.96	24.05	9.84	5.23	8.61	5.54
11	4.51	4.77	7.77	22.73	7.98	7.41	14.22	24.09	10.24	5.37	8.09	5.98
12	4.50	5.28	7.36	23.09	7.73	7.81	14.59	23.46	11.97	8.21	7.78	6.39
13	4.48	5.36	6.91	21.20	7.65	8.14	15.17	21.35	13.46	8.75	6.87	6.47
14	4.44	5.42	6.79	22.11	7.56	10.63	16.34	19.48	13.71	8.49	6.35	6.53
15	4.41	5.85	6.43	23.07	7.42	11.47	18.58	12.60	11.96	8.03	6.14	6.25
16	4.40	5.92	6.54	23.12	8.79	12.21	19.73	11.18	9.17	7.66	6.04	6.15
17	4.51	6.04	7.71	23.16	11.62	12.96	19.64	11.08	8.76	5.30	5.96	5.95
18	4.72	6.21	7.46	20.31	16.95	16.59	17.88	10.97	7.71	5.16	5.82	5.79
19	4.83	6.89	7.29	16.32	20.53	19.07	15.56	10.81	8.15	5.85	5.41	6.52
20	4.79	7.31	7.49	12.84	22.34	20.08	14.03	10.44	9.37	6.19	5.33	6.93
21	4.71	11.38	7.68	11.28	22.63	20.83	11.14	8.79	8.89	6.31	5.29	7.13
22	4.68	12.23	7.59	10.09	21.57	19.28	9.69	8.14	8.31	6.67	6.91	7.04
23	4.64	11.08	7.11	9.84	18.64	16.98	8.16	7.78	7.12	6.83	6.67	6.98
24	4.59	9.62	7.28	9.62	19.46	13.29	7.34	7.51	6.73	7.02	6.34	6.96
25	4.56	8.23	8.96	9.59	18.22	12.74	6.91	7.35	6.51	7.15	6.48	6.84
26	4.51	7.48	10.24	15.20	16.54	12.03	6.75	7.21	5.84	6.91	6.51	6.06
27	4.49	5.98	10.85	17.91	13.19	11.31	6.61	7.12	5.67	6.54	5.43	5.81
28	4.44	5.63	12.64	18.02	11.02	10.52	6.44	6.88	5.48	6.29	4.89	5.56
29	4.37	5.18	13.41	16.31	-----	10.03	6.18	6.51	5.78	6.19	4.84	5.39
30	4.43	5.06	14.93	14.68	-----	9.72	6.04	6.28	6.14	6.07	4.79	5.23
31	7.30	-----	13.74	13.41	-----	9.28	-----	6.79	-----	7.53	4.73	-----
MEAN	4.71	6.54	8.54	14.87	12.82	12.05	11.47	12.94	8.17	6.69	7.77	5.82
MAX	7.30	12.23	14.93	23.16	22.63	20.83	19.73	24.09	13.71	8.75	15.20	7.13
MIN	4.37	4.63	6.13	6.93	7.42	7.41	6.04	6.28	5.48	5.16	4.73	4.63

PASCAGOULA RIVER BASIN

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02475000 Leaf River near McLain, Miss.

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 miles (1.9 km) east of McLain, 2 miles (3 km) downstream from Atkinson Creek, 6 miles (10 km) upstream from Big Oktibee Creek, and 14.6 miles (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.

AVERAGE DISCHARGE.--36 years, 5,321 ft³/s (150.7 m³/s), 20.59 in/yr (523 mm/yr).

EXTREMES.--Current year: Maximum discharge, 39,400 ft³/s (1,116 m³/s) May 11 (gage height, 22.79 ft or 6.946 m); minimum, 1,460 ft³/s (41.3 m³/s) Sept. 5 (gage height, 3.73 ft or 1.137 m).
Period of record: Maximum discharge, 128,000 ft³/s (3,620 m³/s) Feb. 26, 1961 (gage height, 31.64 ft or 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.
Flood in April 1900 reached a stage of about 32 ft (9.8 m), from information by local residents.

REMARKS.--Records good. Records of chemical analyses for the current year are published in the water-quality section of this report.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2,990	2,740	5,190	7,740	11,200	7,210	7,770	6,210	4,340	3,870	6,910	1,690
2	3,540	2,370	5,760	5,620	8,550	6,030	7,560	11,700	4,710	4,080	10,500	1,730
3	3,430	2,080	5,060	4,680	6,290	5,060	7,110	14,000	4,340	3,750	14,900	1,600
4	2,830	1,890	4,560	4,450	5,610	5,840	8,170	15,500	3,580	3,640	15,800	1,520
5	2,380	1,770	4,050	4,440	6,340	11,000	10,700	16,700	2,960	3,480	14,000	1,510
6	2,100	1,700	3,510	4,200	7,810	11,500	10,600	17,500	2,570	2,800	14,200	1,850
7	1,960	1,660	3,670	3,860	7,770	8,910	9,260	18,000	4,020	2,590	12,200	2,430
8	1,870	1,640	6,260	11,100	6,980	6,700	7,660	27,000	6,060	2,580	8,930	2,370
9	1,780	1,630	10,200	23,700	6,050	5,560	10,100	33,400	6,740	2,320	6,630	2,640
10	1,720	1,610	11,400	29,100	5,340	4,890	14,600	37,300	5,700	2,100	5,760	3,320
11	1,670	1,700	12,300	34,900	4,840	4,540	17,200	39,300	6,760	2,510	5,520	3,250
12	1,650	2,250	13,300	36,600	4,630	5,630	16,000	37,800	10,200	5,300	4,720	3,210
13	1,640	3,060	11,600	36,200	4,510	5,670	13,100	32,700	12,500	5,690	3,920	2,890
14	1,620	2,920	7,990	35,300	4,430	11,500	13,700	23,600	10,500	4,680	3,300	3,570
15	1,620	2,630	6,470	35,100	4,360	10,500	25,500	15,800	7,280	3,430	2,890	3,110
16	1,820	2,370	6,670	35,000	5,060	12,300	25,500	11,200	6,300	2,560	2,750	2,610
17	2,220	2,300	7,510	33,700	12,200	15,800	24,400	9,680	5,600	2,160	3,120	2,360
18	2,440	4,090	6,080	28,900	18,500	19,100	22,100	9,420	4,640	2,030	2,890	2,750
19	2,270	5,800	5,270	21,500	22,200	23,300	14,400	8,860	4,890	2,480	2,360	2,850
20	2,030	6,640	4,920	14,700	27,600	24,100	13,600	7,480	6,870	2,130	2,550	3,460
21	1,850	9,280	5,620	10,300	31,800	24,000	9,680	5,900	6,820	2,160	3,520	3,120
22	1,730	7,800	5,880	8,880	31,200	21,900	6,600	4,940	5,160	2,420	3,630	2,750
23	1,670	5,650	5,540	7,690	25,700	18,800	4,910	4,220	4,100	3,220	2,720	3,040
24	1,630	5,220	6,240	6,880	20,100	14,600	4,280	3,660	3,730	3,930	2,270	3,570
25	1,590	4,790	7,590	7,720	14,500	12,300	3,890	3,310	3,240	2,880	2,070	3,130
26	1,570	4,340	10,200	14,100	10,900	11,200	3,610	3,040	2,740	2,600	1,930	3,080
27	1,550	4,050	12,200	18,300	9,470	9,420	3,380	2,920	2,430	2,620	1,860	2,940
28	1,550	3,550	13,600	19,800	8,410	8,040	3,160	3,070	2,280	3,560	1,810	2,470
29	1,550	3,230	14,900	18,500	-----	6,930	3,050	3,010	2,550	3,520	1,790	2,050
30	2,120	3,510	14,800	16,000	-----	6,520	3,130	3,330	3,000	3,650	1,730	1,990
31	3,500	-----	10,500	13,300	-----	7,010	-----	3,850	-----	5,830	1,650	-----
TOTAL	63,890	104,270	248,840	552,260	332,350	345,850	329,720	434,400	156,610	100,570	168,830	78,740
MEAN	2,061	3,476	8,027	17,810	11,870	11,160	10,960	14,010	5,220	3,244	5,446	2,625
MAX	3,540	9,280	14,900	36,600	31,800	24,100	25,500	39,300	12,500	5,830	15,800	3,570
MIN	1,550	1,610	3,510	3,860	4,360	4,540	3,050	2,920	2,280	2,030	1,650	1,510
CFSM	.59	.99	2.29	5.07	3.38	3.18	3.12	3.99	1.49	.92	1.55	.75
IN.	.68	1.11	2.64	5.85	3.52	3.57	3.48	4.60	1.66	1.07	1.79	.83

CAL YR 1974 TOTAL 3,053,630 MEAN 8,366 MAX 106,000 MIN 1,400 CFSM 2.32 IN 32.36
WTR YR 1975 TOTAL 2,915,330 MEAN 7,587 MAX 39,300 MIN 1,510 CFSM 2.22 IN 30.90

PASCAGOULA RIVER BASIN

02475500 Chunky River near Chunky, Miss.

LOCATION.--Lat 32°19'35", long 88°54'35", in SE¼SW¼ sec.30, T.6 N., R.14 E., Choctaw meridian, Lauderdale County, 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 miles (1.9 km) east of Chunky, 3.2 miles (5.1 km) upstream from Tallahatta Creek, and 5.5 miles (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.

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.

AVERAGE DISCHARGE.--37 years, 473 ft³/s (13.40 m³/s), 17.45 in/yr (443 mm/yr).

EXTREMES.--Current year: Maximum discharge, 24,000 ft³/s (680 m³/s) Jan. 11 (gage height, 24.48 ft or 7.462 m); minimum, 50 ft³/s (1.416 m³/s) Oct. 13 (gage height, 2.82 ft or 0.860 m).
Period of record: Maximum discharge, 30,800 ft³/s (872 m³/s) Feb. 22, 1961 (gage height, 25.58 ft or 7.797 m in gage well, 25.75 ft or 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.

REMARKS.--Records good.

REVISIONS (WATER YEARS).--WSP 1724: 1950 (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	132	77	473	632	505	539	1540	2270	780	133	1040	102
2	92	77	442	525	609	522	774	2270	351	135	1780	93
3	74	68	356	449	991	446	1370	1440	258	133	1370	85
4	65	66	267	446	1540	388	1630	1580	206	364	482	82
5	60	67	227	444	2290	364	916	1880	175	448	436	78
6	58	73	240	380	1860	348	584	2130	180	182	1660	75
7	56	77	1630	353	1090	343	464	2070	321	130	2110	79
8	54	76	2540	1500	717	360	414	1980	459	532	1130	97
9	56	73	2800	2250	608	350	632	1980	685	1160	390	97
10	53	76	1560	2760	600	353	1840	1450	1200	990	494	85
11	53	99	575	12500	542	696	2300	1190	2030	568	523	87
12	53	220	597	19000	1140	620	1740	730	2150	321	394	80
13	52	167	541	5820	1550	763	847	467	1240	230	297	79
14	53	110	402	3350	848	1590	1100	384	532	167	274	95
15	56	88	370	1800	614	1480	2140	1440	1020	133	203	79
16	105	84	498	1020	2300	1060	2620	2220	1570	116	422	68
17	127	101	418	825	5990	1140	2100	1900	835	110	875	90
18	106	760	314	720	6220	1590	885	820	426	101	2130	436
19	79	670	395	674	3460	2350	615	499	563	172	2020	286
20	64	982	828	846	1780	2490	486	373	630	605	1750	137
21	59	1710	628	812	1070	1470	415	309	318	318	770	101
22	56	1500	401	595	809	762	354	266	244	230	324	108
23	54	789	545	500	1180	620	312	230	214	272	249	680
24	54	294	3650	504	1750	1530	289	206	188	175	227	920
25	54	332	12300	2150	1290	2130	277	185	160	155	198	373
26	58	575	7840	2610	764	1750	255	172	146	269	214	219
27	56	363	3480	2370	603	782	238	348	135	315	182	160
28	59	258	1370	1200	545	562	221	519	130	206	141	128
29	59	214	1030	748	---	517	258	422	139	148	126	112
30	63	268	978	635	---	1200	1480	1490	130	150	135	102
31	80	---	783	560	---	1730	---	1510	---	221	118	---
TOTAL	2100	10314	49078	65018	43264	30845	29096	34730	17415	9189	22464	5213
MEAN	67.7	343	1583	2129	1545	995	969	1120	580	296	724	173
MAX	132	1710	12300	19000	6220	2490	2620	2150	1160	2130	2130	920
MIN	52	66	227	353	505	343	221	172	130	101	118	68
CFSM	.18	.93	4.30	5.79	4.20	2.70	2.64	3.04	1.58	.81	1.97	.47
IN.	.21	1.04	4.96	6.67	4.37	3.12	2.94	3.51	1.76	.93	2.27	.53

CAL YR 1974 TOTAL 281205 MEAN 770 MAX 21900 MIN 37 CFSM 2.09 IN 28.43
WTR YR 1975 TOTAL 319726 MEAN 875 MAX 16000 MIN 52 CFSM 2.38 IN 32.32

PEAK DISCHARGE (BASE, 5,000 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12-25	1200	22.36	15,100	02-17	2100	16.63	8,310
01-11	2200	24.48	24,000				

PASCAGOULA RIVER BASIN

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02476500 Sowashee Creek at Meridian, Miss.

LOCATION.--Lat 32°22'10", long 88°40'40", in NE¼ sec.17, T.6 N., R.16 E., Choctaw meridian, Lauderdale County, near right bank on upstream side of bridge on U.S. Highway 45, 0.6 mile (1.0 km) downstream from Southern Railway System bridge, and 8 miles (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 mile (0.6 km) upstream at datum 3.00 ft (0.914 m) higher.

AVERAGE DISCHARGE.--25 years, 62.7 ft³/s (1.776 m³/s), 16.41 in/yr (417 mm/yr).

EXTREMES.--Current year: Maximum discharge, 3,890 ft³/s (110 m³/s) Dec. 24 (gage height, 18.44 ft or 5.621 m); minimum, 2.3 ft³/s (0.065 m³/s) Oct. 25, 28, 29 (gage height, 2.29 ft or 0.698 m).

Period of record: Maximum discharge, 9,530 ft³/s (270 m³/s) Apr. 6, 1964 (gage height, 20.95 ft or 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.

Maximum stage known since at least 1900, 29.5 ft (8.99 m) in February 1936, at site 0.6 mile (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 mile (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 mile (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 mile (1.0 km) upstream.

REMARKS.--Records good. Records of chemical analyses for the current year are published in the water-quality section of this 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	11	3.8	52	58	72	62	78	156	34	13	153	15
2	9.8	3.5	31	48	99	56	355	82	28	13	104	16
3	8.0	3.5	23	44	96	50	567	128	22	50	333	16
4	7.2	3.5	19	47	397	48	139	147	19	25	100	14
5	6.8	5.1	18	40	249	47	97	239	16	17	96	14
6	6.2	5.1	45	37	132	46	78	204	52	14	85	16
7	6.2	4.4	439	43	97	46	66	210	123	20	72	17
8	6.8	5.4	126	682	84	58	69	256	551	96	58	19
9	6.7	5.8	60	286	78	44	247	147	290	46	49	24
10	11	5.4	44	788	71	65	283	139	666	52	70	28
11	20	35	43	1020	99	82	153	113	565	29	160	28
12	10	19	43	810	177	74	92	100	260	22	73	18
13	12	8.8	33	520	92	600	74	88	112	18	47	16
14	9.6	7.0	27	169	72	1100	649	76	134	16	36	13
15	5.6	6.6	40	124	66	177	547	174	424	13	34	14
16	8.9	6.2	37	99	2020	343	160	275	132	12	197	14
17	7.1	38	27	84	951	178	114	160	94	23	219	32
18	5.6	53	23	77	254	705	96	102	70	88	212	28
19	4.4	24	89	82	177	279	82	87	58	61	166	19
20	3.5	214	74	169	132	144	69	70	48	90	107	17
21	3.5	57	48	94	110	112	60	58	40	41	75	16
22	3.3	30	38	69	96	94	55	47	33	38	52	28
23	3.5	20	254	60	141	40	49	40	28	29	41	132
24	3.5	17	2340	114	117	557	44	34	24	22	32	59
25	3.3	35	392	1470	82	196	42	30	21	30	28	32
26	3.3	24	166	310	71	106	40	26	19	56	24	24
27	3.5	18	115	153	66	85	37	24	17	32	20	21
28	3.1	15	96	119	65	74	33	21	16	22	18	22
29	4.4	13	85	103	---	71	62	63	15	19	19	19
30	6.2	70	72	90	---	247	413	70	14	28	19	33
31	5.1	---	74	80	---	103	---	47	---	179	17	---
TOTAL	209.1	756.1	4973	7889	6163	5949	4950	3413	3925	1214	2716	764
MEAN	6.7	25	160	254	220	191	161	110	130	39	87	25
MAX	20	214	2340	1470	2020	1100	649	275	666	179	333	132
MIN	3.1	3.5	18	37	65	44	33	21	14	12	17	13
CFSM	.13	.49	3.09	4.90	4.24	3.70	3.11	2.12	2.52	.75	1.69	.49
IN.	.15	.54	3.56	5.65	4.42	4.26	3.48	2.45	2.81	.87	1.95	.55

CAL YR 1974 TOTAL 37234.0 MEAN 102 MAX 4040 MIN 3.1 CFSM 1.97 IN 26.69
WTR YR 1975 TOTAL 42821.2 MEAN 117 MAX 2340 MIN 3.1 CFSM 2.25 IN 30.69

PEAK DISCHARGE (BASE, 1,300 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12-24	1100	18.44	3,890	02-16	1600	17.69	3,410
01-11	0500	12.91	1,630	03-14	0300	14.88	2,060
01-25	1330	14.39	1,930				

PASCAGOULA RIVER BASIN

02476600 Okatibbee Creek at Arundel, Miss.

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

DRAINAGE AREA.--342 mi² (886 km²).

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

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 April 17, 1975, supplementary water-stage recorder at bridge 400 ft (120 m) downstream at same datum.

AVERAGE DISCHARGE.--7 years, 527 ft³/s (14.92 m³/s), 20.93 in/yr (532 mm/yr).

EXTREMES.--Current year: Maximum discharge, 6,220 ft³/s (176 m³/s) Dec. 25 and Feb. 17 (gage height, 17.64 ft or 5.337 m; gage height at supplementary gage, 17.50 ft, or 5.334 m); minimum daily 107 ft³/s (326 m³/s) Oct. 26, 27, 28.

Period of record: Maximum discharge, 12,400 ft³/s (351 m³/s) Dec. 26, 1973 (gage height, 19.64 ft or 5.986 m; gage height at supplementary gage, 19.28 ft or 5.876 m); minimum daily, 20 ft³/s (0.57 m³/s) Oct. 5, 26, 1968. 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).

REMARKS.--Records good. Flow from 154 mi² (399 km²) above the station, regulated by Okatibbee Lake, 21.3 miles (34.3 km) upstream. See following pages for tables of mean daily gage heights for water years 1972-75. Records of chemical analyses for the current year are published in the water-quality section of this report.

COOPERATION.--Gage-height record at supplementary gage and 9 discharge measurements furnished by Corps of Engineers.

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	144	130	422	893	1220	1170	943	982	273	125	647	129
2	136	150	506	862	1220	1160	1060	700	223	140	410	126
3	130	144	444	841	1240	1140	2010	720	197	242	526	126
4	124	148	273	806	1400	1120	1070	787	185	157	296	124
5	126	156	184	757	1620	1110	870	841	147	136	509	122
6	123	149	246	800	1130	987	859	1140	139	129	550	122
7	122	147	455	837	1140	753	781	1160	365	124	487	121
8	122	150	808	1500	1210	581	662	1210	505	595	527	121
9	121	149	404	1500	1240	550	674	1090	613	234	571	122
10	119	144	365	1230	1240	541	1090	930	965	163	580	123
11	114	242	357	3120	1240	596	1100	809	1370	167	779	172
12	121	200	364	2900	1360	539	943	737	1270	158	692	142
13	116	163	402	2650	1260	830	883	697	872	146	425	136
14	115	152	437	1350	1180	2540	1150	659	760	139	246	130
15	118	154	448	1260	1170	1250	1990	707	1110	144	231	132
16	126	154	461	1250	3210	1050	1290	1120	832	146	320	130
17	120	221	434	1270	5640	1170	1020	1150	656	148	886	179
18	119	286	417	1260	2300	1560	1050	1030	700	228	747	161
19	117	225	503	1120	1150	1550	1050	953	679	173	574	140
20	113	554	554	1000	1110	1110	1020	913	520	255	404	132
21	112	460	433	873	1210	1110	996	797	269	183	379	127
22	112	275	390	1010	1250	1110	837	506	186	204	393	163
23	112	235	403	1100	1070	1090	622	332	168	194	251	337
24	113	212	3910	1140	972	1380	565	268	155	156	186	261
25	112	250	4520	3150	942	1640	445	246	143	162	172	174
26	111	274	1760	2980	1010	1180	343	225	136	241	164	150
27	111	418	779	1250	1120	1020	300	257	130	176	152	144
28	111	485	640	1020	1160	1010	286	231	127	163	146	142
29	121	484	394	1160	---	979	329	272	125	207	141	134
30	127	605	435	1220	---	1010	950	420	119	204	137	135
31	119	---	915	1220	---	1040	---	361	---	372	132	---
TOTAL	3714	7656	24760	43529	41014	33936	27188	22250	13939	6011	12660	4457
MEAN	119	255	394	1404	1454	1094	306	717	464	193	408	148
MAX	144	664	4220	3160	5640	2540	2010	1210	1370	595	886	337
MIN	111	130	122	757	942	541	286	225	119	124	132	121
CFSM	.35	.75	2.35	4.11	4.28	3.20	2.65	2.10	1.36	.57	1.19	.43
T. S.	.40	.83	2.71	4.73	4.46	3.49	2.96	2.42	1.52	.65	1.38	.48

CY YR 1974 TOTAL 254354 MEAN 702 MAX 10600 MIN 68 CFSM 2.05 IN 27.88
WY YR 1975 TOTAL 241294 MEAN 661 MAX 5640 MIN 111 CFSM 1.93 IN 26.25

PASCAGOULA RIVER BASIN

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02476600 Okatibbee Creek at Arundel, Miss.--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.08	3.73	5.20	7.74	9.87	6.22	3.84	2.64	1.96	---	2.02	1.92
2	3.99	3.94	4.15	4.38	9.37	11.36	3.50	2.60	1.90	---	1.88	2.00
3	3.92	4.05	9.30	8.32	10.11	11.84	3.42	2.78	1.82	---	1.84	1.98
4	3.91	4.25	7.25	11.28	9.98	9.02	3.64	2.70	1.80	---	1.78	1.98
5	4.52	3.68	6.18	13.50	10.36	8.64	3.56	2.61	1.78	---	1.79	1.99
6	7.80	3.36	9.44	10.09	10.94	8.16	3.36	2.54	1.75	---	1.80	2.02
7	5.60	3.31	15.28	---	14.64	8.24	3.31	2.55	1.74	1.88	1.94	2.04
8	4.43	3.80	12.90	---	11.90	9.27	3.26	2.75	1.71	1.75	1.92	2.05
9	4.19	3.60	8.85	---	9.42	8.82	3.09	2.62	1.70	1.78	1.90	2.11
10	4.07	3.03	8.22	---	10.40	9.75	3.00	---	1.93	1.76	1.96	2.00
11	4.02	2.21	7.18	17.92	10.62	9.63	2.98	---	3.36	1.76	2.13	1.98
12	3.90	2.60	8.22	14.84	10.54	6.76	2.96	2.28	2.22	2.23	3.39	2.00
13	3.88	3.35	9.67	9.66	9.65	5.92	2.94	7.60	1.94	6.08	4.04	2.00
14	3.88	3.58	9.37	8.16	8.61	5.02	2.88	5.41	1.82	3.50	2.74	2.00
15	3.83	3.20	10.09	9.56	9.44	4.90	2.82	3.36	2.34	4.77	2.00	2.10
16	3.81	2.61	9.58	10.44	9.40	5.79	3.45	2.84	4.65	3.52	1.80	2.24
17	3.60	2.96	9.32	10.80	9.98	5.62	3.15	2.66	2.40	2.60	1.78	2.28
18	2.80	3.42	10.03	10.87	9.90	5.20	2.80	2.48	2.03	2.21	1.76	2.49
19	2.43	3.58	9.26	10.77	9.14	5.46	2.68	2.34	1.90	2.01	1.78	2.96
20	2.20	3.56	10.34	9.74	9.71	5.48	2.66	2.27	1.82	1.88	1.81	2.29
21	2.18	3.50	9.53	8.98	9.69	5.73	2.63	2.24	1.80	1.78	1.93	2.30
22	2.32	3.47	9.81	8.90	7.78	5.66	3.30	2.20	1.72	1.73	2.02	2.39
23	2.80	4.08	9.98	8.74	6.05	4.68	2.83	2.16	1.70	1.85	1.90	2.62
24	4.91	5.32	9.98	7.36	5.72	4.23	2.71	2.71	1.68	1.87	1.68	2.52
25	4.78	5.41	9.92	7.29	5.58	4.10	2.64	3.40	1.76	1.90	1.54	2.40
26	4.30	5.42	9.80	8.38	5.22	3.97	2.59	2.43	1.95	2.54	1.73	2.42
27	3.95	5.39	9.74	9.46	4.90	3.45	2.58	2.22	1.82	2.10	1.74	2.78
28	3.79	5.45	9.67	9.85	4.76	4.86	2.55	2.15	1.74	1.98	1.73	2.76
29	3.78	6.52	9.99	9.66	4.70	5.42	2.75	2.10	2.34	3.12	1.77	2.20
30	3.73	5.42	9.34	12.53	---	4.38	2.78	2.03	---	3.00	1.85	3.22
31	3.73	---	9.45	13.30	---	4.52	---	2.04	---	2.30	1.88	---
MEAN	3.91	3.93	9.27	---	8.91	6.56	3.02	---	---	---	1.99	2.28
MAX	7.80	6.52	15.28	---	14.64	11.84	3.84	---	---	---	4.04	3.22
MIN	2.18	2.21	4.15	---	4.70	3.45	2.55	---	---	---	1.54	1.92

NOTE.--Gage heights at supplementary gage.

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.87	2.16	3.06	9.79	10.18	5.04	17.29	10.63	8.92	3.11	4.34	4.18
2	2.16	3.83	2.91	6.26	12.73	6.28	13.09	10.51	9.66	3.08	5.35	4.82
3	1.71	3.82	2.26	7.36	10.26	6.26	8.87	7.44	6.80	3.06	4.70	5.40
4	1.70	4.18	2.35	7.35	8.16	5.05	9.08	7.98	7.53	3.03	4.48	5.13
5	1.66	4.49	2.37	7.64	8.19	4.79	9.39	8.78	7.44	4.62	4.35	4.66
6	1.58	4.48	4.50	6.78	9.76	4.92	10.07	8.96	6.56	4.93	4.28	3.59
7	1.53	5.06	3.86	6.45	9.99	7.89	13.39	10.13	7.26	4.03	3.65	4.03
8	1.50	4.91	3.05	12.81	8.60	6.20	14.62	14.87	11.92	3.60	3.28	4.95
9	1.48	4.63	2.69	10.48	8.04	5.46	9.69	12.96	8.91	3.30	3.18	5.54
10	1.50	5.05	2.54	8.00	7.94	5.28	8.68	9.72	6.39	3.62	3.20	5.56
11	1.50	3.61	2.69	7.81	8.80	11.19	9.92	9.70	5.97	3.60	3.44	6.08
12	1.60	2.19	3.05	8.77	9.77	11.73	9.64	9.57	5.87	3.39	4.48	6.36
13	1.60	2.55	3.05	9.62	9.58	7.37	9.40	8.37	6.08	5.04	3.78	5.54
14	1.70	2.92	2.86	9.97	12.88	6.99	9.94	8.40	4.87	10.45	5.18	5.47
15	1.74	2.56	9.83	10.05	13.88	5.55	10.20	8.90	5.02	4.80	4.33	6.96
16	1.76	2.24	9.34	10.02	8.69	10.21	9.46	9.03	5.21	4.13	4.17	7.36
17	1.78	2.09	6.26	9.95	8.19	15.63	8.81	9.45	4.43	3.79	4.45	7.43
18	1.76	2.03	6.80	8.67	9.82	9.31	11.78	9.15	3.97	3.97	5.55	7.01
19	1.76	2.82	7.02	5.26	10.38	9.77	15.30	8.77	3.75	4.80	4.52	6.52
20	1.75	2.37	7.37	4.78	10.50	10.68	10.54	8.52	3.62	3.88	3.87	6.44
21	1.76	2.14	12.64	7.84	10.44	10.66	9.40	7.57	3.80	3.73	3.61	6.40
22	1.79	2.05	10.49	12.28	10.36	9.04	10.34	6.76	4.83	3.69	3.46	6.36
23	3.65	1.72	7.91	9.81	10.24	5.98	10.63	5.18	3.94	4.00	3.40	6.37
24	2.44	1.70	7.76	8.60	9.56	6.70	10.71	6.48	3.57	3.64	3.36	6.46
25	1.70	5.34	8.10	8.16	9.56	14.10	14.28	6.76	3.42	3.56	3.34	5.47
26	1.62	4.02	8.90	9.31	8.83	13.72	15.60	5.88	3.33	3.51	3.36	4.88
27	3.44	2.93	8.50	8.69	5.86	8.65	13.40	6.10	3.25	3.54	3.33	4.86
28	2.64	2.52	5.64	8.17	5.31	8.75	10.78	11.41	3.25	3.52	3.32	4.72
29	2.21	2.39	4.69	8.51	-----	9.41	10.49	8.31	3.16	3.48	3.33	4.55
30	1.70	3.08	5.02	8.22	-----	8.35	10.63	7.38	3.09	3.55	3.48	4.22
31	1.65	-----	11.21	9.26	-----	16.22	-----	7.48	-----	5.17	3.54	-----
MEAN	1.91	3.20	5.77	8.34	9.53	8.62	11.18	8.75	5.53	4.05	3.94	5.58
MAX	3.65	5.34	12.64	12.81	13.88	16.22	17.29	14.87	11.92	10.45	5.55	7.43
MIN	1.48	1.70	2.26	4.78	5.31	4.79	8.68	5.18	3.09	3.03	3.18	3.59

NOTE.--Gage heights at supplementary gage for the following periods:
Oct. 3-22, 25, 26, 30, 31; Nov. 1, 23, 24; Apr. 3-16.

PASCAGOULA RIVER BASIN

02476600 Okatibbee Creek at Arundel, Miss.--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.81	2.74	2.67	16.56	10.93	10.69	6.42	10.08	4.91		2.68	3.71
2	3.65	2.62	2.59	11.60	11.18	10.60	11.66	9.36	6.68	2.93	2.80	4.37
3	3.63	2.29	2.65	8.21	10.58	10.52	12.36	5.35	4.80	2.88	3.78	4.01
4	3.27	2.22	3.54	9.25	9.81	10.44	11.21	4.65	4.66	2.83	3.64	3.18
5	2.79	3.24	4.53	9.22	9.85	10.35	9.60	4.31	7.56	2.85	3.10	2.85
6	2.71	2.93	3.51	9.42	10.44	10.26	7.24	4.10	14.90	2.95	2.68	2.96
7	2.65	2.82	3.00	10.47	11.66	10.15	7.30	3.91	14.28	2.88	2.57	3.83
8	2.63	2.85	2.81	10.53	10.05	10.07	7.10	3.79	8.45	2.80	3.07	8.70
9	2.61	2.69	2.71	10.29	9.93	9.98	6.30	3.74	5.50	2.78	2.70	7.83
10	2.56	2.49	2.65	7.64	10.45	9.85	6.12	3.70	4.38	2.73	2.50	5.05
11	2.53	2.35	2.60	8.73	10.72	8.26	6.04	5.10		2.85	2.48	4.48
12	2.49	2.30	2.60	11.73	10.73	6.92	10.87	6.00		2.95	2.76	4.09
13	2.44	2.31	2.59	10.79	10.65	6.43	18.80	4.52	4.81	2.90	3.23	3.82
14	2.38	2.24	2.57	11.17	10.57	6.06	17.92	4.90	7.99	2.87	4.08	3.66
15	3.32	2.22	2.74	13.38	11.61	5.90	15.70	5.04	7.92	2.92	3.22	3.56
16	4.77	2.21	2.63	12.99	16.11	5.45	13.54	5.06	8.20	2.89	2.74	3.52
17	4.81	2.19	2.67	11.89	14.92	4.82	12.36	4.98	8.22	2.84	3.08	3.45
18	3.37	2.19	2.57	11.45	10.37	4.60	11.80	4.88	8.30	2.90	3.16	3.47
19	2.86	2.21	2.56	11.21	10.88	4.70	11.38	4.80	8.53	2.80	4.02	3.35
20	2.70	2.21	6.72	10.71	11.34	4.82	11.04	4.75	8.00	2.83	3.07	3.28
21	2.58	4.86	6.19	11.33	10.81	5.92	10.75	4.70	6.08	3.18	2.72	3.25
22	2.54	4.41	5.54	9.45	12.39	5.48	11.18	4.82	5.32	2.88	2.73	3.19
23	2.50	3.33	5.38	9.54	10.86	4.92	12.30	5.12	5.34	3.26	2.80	3.18
24	2.52	2.97	5.27	10.51	10.54	4.82	10.68	4.86	4.62	2.98	2.72	3.16
25	2.60	2.81	13.01	10.53	10.82	4.83	10.50	4.70		2.70	2.69	3.35
26	2.57	2.74	19.21	11.46	10.91	4.92	10.55	4.90		2.60	2.65	5.68
27	2.56	2.93	17.84	10.95	10.86	6.90	10.46	5.00		2.75	2.84	4.26
28	2.56	3.99	13.77	11.23	10.78	6.50	10.34	4.78		2.79	2.80	3.69
29	2.53	3.21	8.81	12.24	-----	8.44	10.22	4.63		2.77	2.95	3.66
30	2.55	2.86	8.28	10.56	-----	7.88	10.13	4.56		2.74	3.06	3.55
31	2.78	-----	11.55	10.54	-----	6.78	-----	4.52	-----	2.70	4.00	-----
MEAN	2.91	2.78	5.67	10.85	11.10	7.36	10.73	5.02			3.00	4.00
MAX	4.81	4.86	19.21	16.56	16.11	10.69	18.80	10.08			4.08	8.70
MTN	2.38	2.19	2.55	7.64	9.81	4.60	6.04	3.70			2.48	2.85

NOTE.--Gage heights for period Mar. 11 to Aug. 31 were obtained from supplementary gage.

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.40	3.25	6.93	8.66	10.53	10.26	8.96	9.10	4.60	3.34	7.10	3.51
2	3.31	3.46	6.16	8.47	10.56	10.20	9.60	7.45	4.22	3.50	5.50	3.48
3	3.25	3.40	5.74	8.34	10.67	10.10	13.77	7.58	4.01	4.36	6.29	3.48
4	3.23	3.44	4.48	8.12	11.45	10.01	9.62	8.00	3.92	3.67	4.68	3.46
5	3.20	3.51	3.81	8.06	12.52	9.93	8.52	8.30	3.56	3.46	6.18	3.44
6	3.18	3.45	4.26	8.08	10.07	9.21	8.45	10.12	3.48	3.37	6.45	3.44
7	3.17	3.43	---	8.31	10.09	7.78	7.96	10.22	5.23	3.33	6.03	3.43
8	3.17	---	---	11.84	10.50	6.66	7.20	10.52	6.15	6.74	6.30	3.42
9	3.15	---	5.46	11.92	10.64	6.45	7.28	9.80	6.86	4.18	6.59	3.44
10	3.13	---	5.33	10.47	10.64	6.39	9.79	8.87	8.99	3.58	6.65	3.45
11	3.12	4.22	5.12	15.53	10.64	6.76	9.86	8.14	11.37	3.62	7.95	3.66
12	3.15	3.91	5.17	15.26	11.32	6.71	8.95	7.69	10.82	3.54	7.40	3.38
13	3.10	3.63	5.44	14.87	10.77	7.89	8.60	7.43	8.53	3.42	5.88	3.32
14	3.09	3.57	5.69	11.44	10.31	---	10.01	7.18	7.82	3.35	4.50	3.26
15	3.12	3.54	5.77	10.77	10.26	10.55	13.74	7.50	9.90	3.40	4.39	3.28
16	3.21	3.50	5.86	10.79	14.46	9.56	10.88	9.95	8.23	3.41	4.99	3.26
17	3.14	4.04	5.67	10.83	17.33	10.25	9.41	10.17	7.16	3.44	8.60	3.70
18	3.13	4.60	5.55	10.75	14.12	---	9.56	9.45	7.45	4.13	7.73	3.55
19	3.11	4.12	6.14	9.97	10.14	12.16	9.56	9.01	7.31	3.67	6.61	3.36
20	3.07	7.18	6.48	9.31	9.94	9.94	9.43	8.78	6.25	4.35	5.53	3.28
21	3.06	5.85	5.70	3.54	10.49	9.94	9.27	8.05	4.56	3.76	5.37	3.22
22	3.06	4.54	5.36	9.33	10.71	9.93	8.28	6.16	3.93	3.93	5.46	3.58
23	3.06	4.20	5.48	9.86	9.64	9.84	6.93	5.01	3.77	3.85	4.54	4.95
24	3.07	4.01	15.76	10.10	9.13	11.37	6.55	4.56	3.65	3.52	4.06	4.41
25	3.05	4.40	16.78	15.07	8.95	12.59	5.75	4.40	3.53	3.57	3.93	3.68
26	3.04	4.50	12.84	15.01	9.36	10.31	5.02	4.24	3.46	4.25	3.86	3.46
27	3.04	5.56	7.92	10.64	9.97	9.43	4.71	4.49	3.40	3.70	3.75	3.40
28	3.04	6.02	7.32	9.78	10.22	9.37	4.60	4.29	3.36	3.58	3.69	3.38
29	3.15	6.01	9.67	10.24	---	9.16	4.92	4.58	3.34	3.97	3.64	3.30
30	3.22	6.82	9.91	10.54	---	9.35	8.80	5.60	3.27	3.94	3.60	3.31
31	3.13	---	8.80	10.58	---	9.53	---	5.20	---	5.21	3.55	---
MEAN	3.14			10.69	10.91		8.53	7.48	5.74	3.84	5.51	3.51
MAX	3.40			15.53	17.33		13.77	10.52	11.37	6.74	8.60	4.95
MTN	3.04			8.06	8.95		4.60	4.24	3.27	3.33	3.55	3.22

PASCAGOULA RIVER BASIN

83

02477000 Chickasawhay River at Enterprise, Miss.

LOCATION.--Lat 32°10'30", long 88°49'15", in SE¼NW¼ sec.24, T.4 N., R.14 E., Choctaw meridian, Clarke County, on right bank at downstream side of bridge on State Highway 513 in Enterprise, 0.5 mile (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. Gage-height records collected at same site since 1904 are contained in reports of National Weather Service.

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.

AVERAGE DISCHARGE.--37 years, 1,199 ft³/s (33.96 m³/s), 17.83 in/yr (453 mm/yr).

EXTREMES.--Current year: Maximum discharge, 24,600 ft³/s (697 m³/s) Jan. 12 (gage height, 35.03 ft or 10.678 m); minimum, 189 ft³/s (5.35 m³/s) Sept. 16, 17 (gage height, 5.53 ft or 1.686 m).
Period of record: Maximum discharge, 61,700 ft³/s (1,750 m³/s) Feb. 23, 1961 (gage height, 42.94 ft or 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 or 1.204 m (present datum) Oct. 13-20, 23, 24, 1952, Aug. 30, 1957.
Flood in April 1900 reached a stage of 42.2 ft or 12.86 m (present datum) from floodmark (from reports of National Weather Service).

REMARKS.--Records good. Some regulation since Nov. 26, 1968, by Okatibbee Lake, 38 miles (61 km) upstream. See following pages for tables of mean daily gage heights for water years 1972-75. Records of chemical analyses for the current year are published in the water-quality section of this report.

REVISIONS (WATER YEARS)--WSP 1334: 1953. WRD Miss. 1966: 1965.

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	444	234	1670	1980	2320	2220	3310	4220	1410	314	1640	322
2	354	254	1540	1800	2340	2140	2850	3570	704	324	2310	306
3	294	262	1040	1680	2760	2050	4620	2930	496	434	2170	294
4	282	252	837	1610	3350	1950	4360	2800	418	420	1180	285
5	260	264	576	1560	4850	1900	2760	3550	364	648	963	277
6	244	262	574	1510	4310	1750	1980	4340	323	404	1860	274
7	236	262	2740	1490	3200	1440	1690	4410	653	319	2650	286
8	230	264	4200	3680	2620	1160	1440	4450	963	946	2110	318
9	224	272	3660	3320	2470	1110	1620	4140	1520	1520	1190	308
10	221	268	2710	3330	2420	1100	3450	3360	2030	1320	1150	374
11	212	423	1340	4620	2410	1450	4240	2500	4010	874	1590	321
12	214	512	1120	20000	3140	1500	3540	1950	4430	516	1370	297
13	212	454	1140	20500	3670	1790	2350	1520	3180	434	997	277
14	205	364	1040	11100	2810	4750	3260	1340	1700	362	674	274
15	215	324	1040	5750	2370	4630	5690	2020	2170	329	473	270
16	244	303	1140	4220	6040	3440	5660	4020	3030	316	793	259
17	294	342	1090	3420	11600	3310	4460	3860	2000	313	1450	295
18	274	922	332	2420	13700	4040	3040	2720	1430	361	3250	495
19	244	1150	1090	2410	9950	5270	2230	1900	1360	335	3000	527
20	230	1900	1500	2310	5400	4770	1960	1640	1380	722	2610	348
21	209	2740	1340	2140	4000	3840	1800	1440	810	572	1610	300
22	202	2110	1040	2100	3130	2640	1560	1030	519	434	922	310
23	200	1430	1240	2100	2800	2240	1150	694	446	498	693	725
24	194	744	4150	2200	3590	3800	1030	549	413	387	530	1350
25	196	731	12400	2240	3030	5010	922	485	377	343	473	752
26	194	993	14100	7500	2390	4220	762	449	353	444	503	434
27	194	944	12000	7000	2250	2730	674	558	337	498	428	366
28	193	942	5110	4110	2230	2130	623	871	327	399	382	335
29	212	341	3600	2950	---	2000	708	691	330	382	358	313
30	250	1140	2430	2570	---	3060	2600	1730	332	394	351	297
31	232	---	2240	2440	---	3930	---	2010	---	493	342	---
TOTAL	7437	22033	99249	145460	115200	87650	76339	71747	37815	16045	40022	11589
MEAN	239	714	3224	4784	4114	2827	2544	2314	1260	517	1291	386
MAX	444	2750	14100	20500	13700	5270	5690	4450	4430	1520	3250	1350
MIN	193	234	576	1450	2230	1100	623	449	323	313	342	259
CFSM	2.26	4.40	3.63	5.25	4.51	3.10	2.79	2.53	1.38	.57	1.41	.42
IN.	.30	.40	.407	.505	.469	.357	.311	.292	1.54	.65	1.63	.47
CH. YR 1974 TOTAL	711347	711347	MEAN	1949	MAX	34200	MIN	156	CFSM	2.13	IN	28.99
WTR YR 1975 TOTAL	734245	734245	MEAN	2011	MAX	20500	MIN	193	CFSM	2.20	IN	29.92

PEAK DISCHARGE (BASE, 10,000 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12-26	1100	31.80	19,000	02-18	1030	28.43	14,100
01-12	2200	35.03	24,600				

PASCAGOULA RIVER BASIN

02477000 Chickasawhay River at Enterprise, Miss.--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1				11.81	20.30	11.14	8.22	6.19	5.03	5.29	5.73	4.56
2				11.87	18.01	17.52	7.64	5.99	5.00	5.40	5.18	4.57
3				14.41	15.84	19.97	7.40	6.14	4.93	5.45	4.90	4.58
4				17.30	14.94	18.36	7.48	6.31	4.90	5.35	4.76	4.56
5				21.95	13.55	15.38	7.55	6.29	4.87	5.65	4.68	4.56
6				21.79	13.18	12.08	7.40	5.84	4.83	5.53	4.62	4.58
7				20.08	20.08	10.96	7.19	5.71	4.80	5.31	4.60	4.58
8				17.01	21.61	13.07	7.05	6.03	4.78	5.06	4.63	4.59
9				13.97	20.86	14.57	6.87	6.11	4.74	4.91	4.60	4.60
10				24.82	18.35	13.73	6.73	6.15	4.74	4.82	4.58	4.60
11				29.52	14.77	12.34	6.67	5.78	5.89	4.75	4.64	4.56
12				30.83	13.74	10.65	6.64	5.74	5.78	4.89	5.25	4.55
13				26.63	15.84	9.44	6.63	9.51	5.42	6.95	6.41	4.54
14				19.33	14.68	8.92	6.50	9.95	5.09	6.82	6.09	4.54
15				15.60	13.28	8.52	6.40	7.13	5.16	7.39	5.35	4.53
16				13.67	12.21	9.74	6.85	6.39	6.76	6.17	4.93	4.61
17				12.65	12.17	10.90	7.08	6.04	6.63	5.68	4.76	4.65
18				12.42	12.49	9.98	6.76	5.80	5.62	5.23	4.67	4.73
19				12.29	12.78	9.38	6.35	5.64	5.21	4.99	4.60	5.30
20				12.05	12.22	9.28	6.15	5.50	5.04	4.84	4.58	4.81
21				12.14	11.71	8.91	6.06	5.41	4.93	4.74	4.59	4.70
22				13.05	10.91	8.69	6.52	5.33	4.86	4.65	4.61	4.82
23				12.31	9.61	8.32	6.41	5.27	4.78	4.62	4.69	4.81
24				11.32	9.18	7.80	6.18	5.48	4.73	4.66	4.59	5.25
25				9.96	8.98	7.66	6.03	6.76	4.89	4.64	4.77	5.36
26				10.31	8.78	7.69	5.80	5.88	5.09	4.85	4.63	5.03
27				10.67	8.49	7.65	5.74	5.58	5.03	5.35	4.65	5.12
28				11.01	8.26	8.75	5.68	5.34	4.95	5.80	4.59	5.34
29				11.42	8.10	10.89	5.76	5.21	5.03	5.59	4.60	5.78
30				17.31	-----	10.33	6.14	5.14	5.37	6.29	4.60	5.97
31	-----			21.14	-----	8.94	-----	5.09	-----	6.45	4.58	-----
MEAN				16.15	13.62	11.02	6.66	6.09	5.16	5.42	4.85	4.83
MAX				30.83	21.61	19.97	8.22	9.95	7.39	6.41	5.97	
MTN				9.96	8.10	7.65	5.68	5.09	4.73	4.62	4.58	4.53

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.54	4.86	5.88	17.68	11.74	7.68	29.51	13.45	10.57	6.01	8.59	7.16
2	5.97	5.35	5.86	14.95	19.52	9.08	29.75	12.30	13.91	5.96	9.11	7.05
3	5.19	5.84	5.68	12.18	20.62	10.58	24.37	11.95	11.20	6.07	8.44	7.72
4	4.87	5.99	5.43	12.98	19.38	9.40	18.03	10.85	9.83	6.10	7.39	7.64
5	4.75	6.23	5.55	12.07	14.34	9.23	15.11	10.81	9.35	7.72	6.93	7.53
6	4.61	6.20	6.67	10.98	11.69	9.08	13.17	10.60	8.98	8.23	6.72	7.35
7	4.56	6.27	8.72	11.06	11.37	11.46	17.44	12.07	8.71	7.83	6.50	7.08
8	4.54	6.88	8.01	17.64	10.88	12.06	21.80	21.14	13.60	7.02	6.06	7.17
9	4.54	6.96	6.62	14.06	12.97	10.25	21.60	24.10	13.96	6.45	5.94	7.52
10	4.54	6.77	6.16	16.66	12.70	8.95	18.74	23.35	10.46	6.18	5.82	7.44
11	4.53	6.49	6.08	13.51	11.61	14.53	14.97	18.70	9.03	6.43	5.83	7.99
12	4.53	5.37	7.13	10.98	11.21	18.86	12.74	14.39	9.42	6.16	6.31	8.36
13	4.53	5.34	6.97	10.88	11.20	16.80	11.74	11.83	9.13	6.54	6.24	8.22
14	4.53	6.02	6.64	10.87	18.24	14.12	11.57	10.58	8.50	13.11	6.87	7.53
15	4.53	6.33	11.22	10.79	21.91	10.27	11.55	10.45	9.71	10.42	6.76	8.50
16	4.53	5.88	15.41	10.65	23.08	14.58	11.49	10.29	9.21	8.07	7.17	8.66
17	4.53	5.44	12.39	10.49	19.85	22.66	14.34	10.31	8.68	7.09	7.73	8.53
18	4.53	5.24	10.11	10.26	14.90	21.73	21.07	10.24	7.62	6.95	7.85	8.34
19	4.53	5.51	8.98	8.38	12.59	18.16	25.54	9.86	6.97	8.43	8.80	7.92
20	4.54	5.65	9.24	7.81	11.89	14.86	24.46	9.75	6.74	8.54	8.04	7.76
21	4.54	5.48	17.62	11.59	11.53	13.21	20.61	9.32	6.79	8.36	6.73	7.70
22	4.54	5.37	19.48	17.67	11.25	12.28	16.45	8.82	9.74	7.38	6.28	7.65
23	5.80	5.21	17.35	15.98	11.07	10.51	13.64	7.88	9.47	6.86	6.06	7.61
24	5.97	5.10	14.58	11.46	10.66	9.64	12.41	9.08	8.01	6.43	5.92	7.69
25	5.65	6.65	10.66	9.79	10.43	21.88	18.63	11.91	6.94	6.25	5.85	7.34
26	5.13	7.91	10.15	10.67	10.29	23.87	23.12	10.27	6.60	6.21	5.80	6.74
27	5.52	7.23	10.07	10.29	8.50	24.43	24.15	9.79	6.59	6.40	5.74	6.69
28	6.01	6.20	9.71	9.53	7.87	20.10	23.23	14.94	6.42	6.22	5.72	6.78
29	5.87	5.79	7.61	8.83	-----	15.73	20.20	14.80	6.20	6.18	5.74	6.79
30	5.35	5.77	7.54	9.37	-----	12.68	16.24	11.08	6.06	6.36	6.06	6.63
31	5.02	-----	16.00	9.92	-----	24.98	-----	9.70	-----	7.96	6.58	-----
MEAN	5.00	5.98	9.63	12.10	13.69	14.63	18.59	12.41	8.95	7.22	6.76	7.57
MAX	6.54	7.91	19.48	19.06	23.08	24.98	29.75	24.10	13.96	13.11	9.11	8.66
MTN	4.53	4.86	5.43	7.81	7.87	7.68	11.49	7.88	6.06	5.96	5.72	6.63

02477000 Chickasawhay River at Enterprise, Miss.--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.76	5.78	7.15	22.88	14.78	11.85	9.60	11.20	6.88	5.83	5.40	6.81
2	7.86	5.81	6.72	21.50	13.56	11.68	15.65	10.99	9.19	5.76	5.72	7.84
3	7.37	5.75	6.50	17.12	13.00	11.52	20.72	9.71	9.30	5.68	6.34	9.18
4	6.56	5.54	7.13	16.04	11.98	11.38	21.66	8.17	8.13	5.62	6.86	8.37
5	6.08	6.14	10.00	15.25	11.51	11.23	19.73	7.83	9.20	5.93	6.22	6.62
6	5.81	7.02	9.61	14.06	11.75	11.08	14.18	7.78	17.47	6.15	5.76	6.15
7	5.69	6.68	7.67	14.88	15.15	10.93	10.88	7.49	20.08	6.23	5.78	6.82
8	5.60	6.56	7.01	16.26	17.50	10.80	10.15	7.20	18.91	6.33	6.25	12.32
9	5.52	6.59	6.75	16.53	16.70	10.68	9.57	6.99	13.12	6.11	5.87	14.13
10	5.44	6.32	6.59	13.92	14.56	10.56	8.96	6.87	8.81	5.77	5.81	11.60
11	5.40	5.99	6.47	14.40	12.77	10.27	8.74	7.75	7.78	5.61	5.50	9.08
12	5.34	5.79	6.37	18.45	12.27	10.29	15.74	11.00	7.26	5.61	5.43	7.89
13	5.31	5.70	6.33	18.25	11.96	10.94	29.96	10.18	7.35	5.54	6.02	7.28
14	5.27	5.64	6.30	17.06	11.74	9.80	38.06	8.45	8.89	5.49	7.62	6.97
15	5.49	5.56	6.35	18.75	14.33	8.90	37.80	7.97	9.16	5.45	7.64	6.78
16	6.46	5.53	6.68	19.88	23.62	8.55	30.22	7.87	9.23	5.51	6.39	6.60
17	8.30	5.48	6.89	19.29	25.65	8.10	22.96	7.82	9.22	5.44	6.06	6.44
18	7.43	5.45	6.48	16.84	25.49	7.79	18.56	7.65	9.18	5.55	6.26	6.31
19	6.38	5.45	6.34	14.48	21.66	7.94	16.28	7.40	9.11	5.73	6.92	6.23
20	5.93	5.45	10.13	15.53	19.68	8.11	14.50	7.25	9.26	5.77	7.08	6.12
21	5.74	7.30	13.11	18.09	17.96	9.47	13.19	7.13	8.25	5.35	6.35	6.02
22	5.60	9.30	11.88	16.68	17.69	9.78	12.92	7.76	7.32	5.85	5.79	5.92
23	5.53	8.17	9.67	15.19	17.29	8.78	15.95	8.19	7.59	6.09	5.63	5.83
24	5.46	7.00	8.66	15.33	15.46	8.30	16.56	7.78	9.13	7.01	5.54	5.81
25	5.47	6.59	19.20	17.89	13.57	8.26	14.86	7.48	9.27	6.49	5.43	5.88
26	5.46	6.44	30.72	19.87	12.68	8.38	12.92	7.37	7.36	6.06	5.36	10.04
27	5.45	6.72	33.29	20.10	12.29	10.74	12.28	8.03	6.75	5.76	5.36	8.90
28	5.47	8.42	32.31	19.36	12.04	12.12	11.92	8.19	6.50	5.71	5.67	7.42
29	5.45	10.05	26.08	19.76	-----	12.64	11.61	7.44	6.34	5.60	5.81	7.26
30	5.44	8.40	18.66	19.10	-----	13.04	11.39	7.15	6.00	5.53	5.87	7.13
31	5.58	-----	19.26	17.27	-----	10.83	-----	7.00	-----	5.49	6.08	-----
MEAN	5.96	6.55	11.82	17.42	15.67	10.15	16.92	8.10	9.41	5.82	6.06	7.66
MAX	8.30	10.05	33.29	22.88	25.65	13.04	38.06	11.20	20.08	7.01	7.64	14.13
MIN	5.27	5.45	6.30	13.92	11.51	7.79	8.74	6.87	6.00	5.44	5.36	5.81

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.76	5.82	10.44	11.30	12.18	11.92	14.65	16.92	9.71	5.94	10.34	5.99
2	6.32	5.92	10.14	10.81	12.34	11.81	13.49	15.30	7.70	5.99	12.16	5.89
3	6.12	5.94	8.76	10.46	13.27	11.50	17.82	13.70	7.09	6.64	11.77	5.81
4	6.04	5.89	8.02	10.27	14.73	11.21	17.23	13.38	6.78	6.56	9.02	5.75
5	5.93	5.95	7.24	10.15	18.34	11.08	13.26	15.24	6.55	7.45	8.38	5.70
6	5.86	5.94	7.53	9.99	17.11	10.66	11.29	17.19	6.36	6.46	10.93	5.68
7	5.81	5.94	13.23	9.95	14.38	9.78	10.49	17.36	7.55	5.97	13.01	5.76
8	5.78	5.97	16.88	15.42	12.93	8.97	9.79	17.45	8.40	8.31	11.61	5.96
9	5.74	5.99	15.52	17.38	12.54	8.33	10.29	16.72	10.04	10.04	9.05	5.90
10	5.73	5.97	13.14	19.24	12.43	8.77	14.99	14.76	11.37	9.44	8.92	6.30
11	5.68	6.62	9.54	24.60	12.40	9.45	16.97	12.62	16.38	8.14	10.20	5.98
12	5.69	7.02	9.04	32.10	14.22	9.97	15.21	11.22	17.40	7.00	9.59	5.83
13	5.68	6.81	9.03	32.58	15.54	10.71	12.22	10.02	14.30	6.65	8.48	5.70
14	5.64	6.44	8.73	25.85	13.41	18.11	14.44	9.49	10.53	6.24	7.53	5.68
15	5.70	6.26	8.62	20.12	12.31	17.31	20.16	11.33	11.77	6.03	6.82	5.65
16	5.87	6.14	8.92	16.91	19.78	15.08	20.09	16.42	13.93	5.95	7.89	5.58
17	6.10	6.48	8.77	14.92	26.40	14.65	17.45	16.02	11.32	5.93	9.79	5.82
18	6.01	8.27	8.30	13.42	28.17	16.56	13.97	13.17	9.75	6.17	14.51	6.89
19	5.87	8.94	8.75	12.38	24.87	19.26	11.96	11.07	9.56	6.06	13.88	7.02
20	5.78	10.99	10.19	12.14	19.43	18.13	11.24	10.35	9.63	7.64	12.91	6.15
21	5.66	13.24	9.62	11.70	16.38	16.05	10.80	9.78	7.94	7.20	10.26	5.85
22	5.62	11.62	8.61	11.61	14.21	13.10	10.14	8.59	7.01	6.65	8.27	5.90
23	5.61	9.76	9.12	11.61	13.37	12.08	8.95	7.64	6.93	7.59	7.65	7.65
24	5.60	7.75	23.00	11.87	15.36	15.79	8.59	7.20	6.54	6.38	7.05	9.52
25	5.59	7.71	27.34	20.74	13.94	18.68	8.27	6.98	6.33	6.12	6.83	7.76
26	5.58	8.48	31.22	22.62	12.36	16.90	7.80	6.84	6.17	6.66	6.95	6.65
27	5.60	8.34	26.61	20.56	12.01	13.19	7.54	7.23	6.08	6.93	6.61	6.26
28	5.57	8.33	18.75	16.62	11.95	11.69	7.39	8.14	6.02	6.46	6.36	6.07
29	5.68	8.15	15.38	13.73	---	11.33	7.64	7.63	6.04	6.36	6.21	5.93
30	5.88	8.91	13.44	12.80	---	14.01	12.78	10.59	6.05	6.43	6.17	5.83
31	5.79	---	12.07	12.47	---	16.19	---	11.36	---	6.86	6.11	---
MEAN	5.82	7.52	12.77	16.07	15.58	13.34	12.56	11.99	9.03	6.83	9.20	6.22
MAX	6.76	13.24	31.22	32.58	28.17	19.26	20.16	17.45	17.40	10.04	14.51	9.52
MIN	5.57	5.82	7.24	9.95	11.95	8.77	7.39	6.84	6.02	5.93	6.11	5.58

PASCAGOULA RIVER BASIN

02477350 Chickasawhay River at Shubuta, Miss.

LOCATION.--Lat 31°50'55", long 88°41'24", in SE¼ sec.9, T.10 N., R.7 W., St. Stephens meridian, Clarke County, at bridge on U.S. Highway 45, 1 mile (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.

EXTREMES.--Maximum and minimum gage heights (at 0700) for January 1972 to September 1975 are contained in the following table.

Water year	Date	Maximum		Date	Minimum	
		Gage height			Gage height	
		feet	metres		feet	metres
1972*	Jan. 15	30.82	9.394	Sept. 17,18	3.10	0.945
1973	Apr. 26	34.48	10.510	Oct. 22	3.20	.975
1974	Dec. 30	36.58	11.150	Oct. 30,31	3.86	1.176
1975	Jan. 16	32.31	9.848	Sept. 7	4.06	1.237

*January to September.

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.

REMARKS.--Records furnished by National Weather Service.

GAGE HEIGHT, IN FEET, AT 0700, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1				10.93	21.11	8.12	8.98	4.65	4.16	4.31	4.84	3.25
2				11.26	21.31	16.05	7.36	5.07	3.94	4.19	4.71	3.22
3				11.91	23.72	21.90	7.03	5.19	3.91	3.97	4.10	3.22
4				16.21	24.13	21.80	7.29	4.92	3.84	4.07	3.97	3.11
5				25.06	21.08	21.59	7.91	5.61	3.79	4.04	3.95	3.21
6				26.81	16.87	19.34	7.42	5.53	3.78	4.01	3.93	3.20
7				25.00	18.85	16.25	7.37	5.50	3.78	3.97	3.92	3.20
8				23.78	20.87	12.34	6.59	6.98	3.70	3.96	3.65	3.19
9				21.59	19.63	15.45	6.46	7.11	3.67	3.81	3.30	3.18
10				20.31	21.14	15.74	6.41	5.56	3.68	3.65	3.27	3.17
11				23.28	21.25	14.85	6.27	5.46	3.70	3.62	3.28	3.17
12				25.87	19.95	12.63	5.82	5.41	3.92	3.60	3.28	3.15
13				27.45	16.65	10.85	5.79	5.05	4.27	3.62	4.11	3.15
14				24.76	13.51	9.27	5.71	8.71	4.52	4.28	4.24	3.10
15				30.82	15.92	8.73	5.56	13.30	4.06	5.19	4.44	3.12
16				29.56	14.55	8.36	5.72	8.77	4.05	5.57	4.39	3.11
17				13.10	12.71	10.86	6.31	7.32	4.01	4.93	4.17	3.10
18				11.97	12.69	11.89	6.56	5.24	4.49	4.89	4.07	3.10
19				10.61	12.51	11.51	5.81	4.97	4.74	4.47	3.53	3.13
20				9.87	11.37	10.31	5.76	4.78	4.69	4.29	3.51	3.15
21				10.45	10.21	9.67	5.63	4.47	4.57	3.67	3.50	3.15
22				15.97	11.22	8.70	9.27	4.38	3.81	3.64	3.50	3.34
23				20.34	10.59	8.32	7.51	4.33	3.79	3.63	3.24	3.37
24					9.31	7.76	6.07	4.21	3.79	3.61	3.19	3.40
25					8.94	7.31	5.67	4.20	3.65	3.48	3.36	3.36
26					8.68	7.18	5.20	6.78	3.62	3.61	3.40	3.92
27					8.41	6.94	5.17	5.23	3.59	3.63	3.44	3.78
28					8.29	7.20	4.82	4.97	3.56	4.00	3.44	3.78
29					7.64	10.44	4.76	4.93	3.69	3.97	3.47	3.74
30					-----	12.70	4.67	4.20	3.96	3.89	3.26	3.98
31		-----			-----	11.47	-----	4.17	-----	3.85	3.20	-----
MEAN				15.28	12.11	6.36	5.71	3.96	4.05	3.73	3.30	
MAX				24.13	21.90	9.27	13.30	4.74	5.57	4.84	3.98	
MIN				7.64	6.94	4.67	4.17	3.56	3.48	3.19	3.10	

PASCAGOULA RIVER BASIN

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02477350 Chickasawhay River at Shubuta, Miss.--Continued

GAGE HEIGHT, IN FEET, AT 0700, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.30	4.16	4.55	17.21	8.83	7.53	25.87	24.68	11.82	4.57	6.86	4.71
2	4.38	3.98	4.53	18.66	10.88	6.64	25.82	19.79	11.15	4.44	11.97	4.82
3	4.52	3.77	4.51	18.22	16.07	6.59	27.63	13.31	11.21	4.41	8.96	5.33
4	4.48	4.31	4.50	16.89	17.43	11.36	29.97	12.14	11.30	4.40	8.05	6.51
5	3.68	4.22	4.27	15.12	17.69	11.77	30.53	11.05	9.10	4.90	6.73	6.36
6	3.51	4.07	5.43	13.76	17.58	10.98	28.74	10.77	8.94	6.08	5.38	6.25
7	3.48	4.50	6.67	12.23	16.32	25.03	24.15	10.26	8.05	8.51	5.09	5.97
8	3.46	4.60	6.74	14.91	10.49	25.08	23.06	18.13	11.73	8.79	4.97	6.47
9	3.45	5.15	7.14	18.38	12.57	19.90	21.81	21.06	14.44	8.94	4.90	6.32
10	3.43	5.14	6.41	18.68	15.57	13.69	21.39	21.47	14.11	8.40	4.50	6.09
11	3.38	5.03	5.02	18.49	14.21	10.34	21.45	22.33	11.21	5.47	4.43	5.60
12	3.37	4.98	4.87	16.77	12.76	16.97	20.44	23.43	9.20	5.39	4.51	5.21
13	3.35	4.95	5.43	14.12	11.50	18.67	15.56	22.27	8.83	4.90	4.68	5.33
14	3.34	4.32	5.23	10.37	13.48	18.97	11.75	16.12	8.42	5.88	4.86	8.94
15	3.33	5.00	5.13	8.61	17.48	17.92	11.23	10.60	7.75	11.62	5.28	9.17
16	3.33	4.90	8.56	9.85	18.78	14.03	10.89	9.89	8.59	10.82	5.54	8.07
17	3.31	4.66	13.51	8.73	19.77	16.71	11.36	9.48	8.31	7.00	5.34	7.61
18	3.31	4.48	12.00	8.69	20.82	20.77	13.68	9.28	7.90	5.79	9.23	6.33
19	3.24	4.14	11.41	8.49	20.71	21.41	20.02	9.04	7.61	5.46	9.08	6.04
20	3.22	4.07	9.61	7.98	15.87	22.39	21.63	8.87	5.91	6.85	8.73	5.83
21	3.21	4.51	18.17	7.74	12.31	22.10	23.00	8.62	5.77	7.78	8.47	5.64
22	3.20	4.45	21.58	13.77	10.73	18.26	23.19	8.24	5.06	7.03	5.38	5.21
23	3.66	4.18	20.03	17.70	10.30	13.14	23.82	7.73	4.97	6.09	5.07	5.35
24	4.22	4.06	18.96	17.84	9.61	10.67	20.00	7.12	5.81	5.27	4.83	5.32
25	4.55	4.22	16.76	17.41	9.59	19.40	23.12	8.00	6.63	5.23	4.71	5.27
26	4.53	5.78	13.43	10.54	9.62	24.07	34.48	11.26	6.41	5.11	4.39	5.09
27	4.50	6.42	11.47	9.69	8.33	23.63	31.50	10.63	5.05	4.82	4.24	5.07
28	4.67	6.22	9.13	9.37	7.60	23.94	29.05	14.20	4.86	4.78	4.22	4.67
29	4.80	5.22	7.91	9.14	-----	24.90	27.79	16.47	4.85	5.11	4.19	4.63
30	4.84	4.64	6.62	8.16	-----	24.35	26.58	15.90	4.82	4.84	4.77	4.59
31	4.20	-----	9.53	8.12	-----	24.18	-----	13.05	-----	5.11	4.86	-----
MEAN	3.81	4.67	9.33	13.09	13.82	17.59	22.65	13.72	8.33	6.25	5.94	5.93
MAX	4.84	6.42	21.58	18.68	20.82	25.08	34.48	24.68	14.44	11.62	11.97	9.17
MIN	3.20	3.77	4.27	7.74	7.60	6.59	10.89	7.12	4.82	4.40	4.19	4.59

GAGE HEIGHT, IN FEET, AT 0700, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.11	4.12	9.63	32.94	19.72	11.43	11.98	10.28	5.53	4.96	4.61	5.31
2	6.31	4.24	6.41	31.57	17.63	11.19	16.53	10.02	5.64	4.94	4.02	6.03
3	5.91	4.21	5.42	28.73	15.32	10.63	20.75	9.65	7.32	4.93	4.01	6.33
4	6.48	4.20	5.72	26.34	13.25	10.48	20.19	9.41	7.09	4.24	5.56	11.52
5	5.94	4.31	6.23	23.98	12.14	10.31	20.56	8.21	6.75	4.36	5.88	8.97
6	5.21	4.76	7.79	20.71	11.22	10.11	20.21	7.40	9.67	5.58	5.61	5.73
7	4.81	5.39	8.81	17.83	13.74	10.04	18.75	7.24	19.11	5.66	4.38	5.21
8	4.32	5.49	6.52	17.31	16.57	9.89	13.42	6.66	18.91	5.41	4.83	16.71
9	4.27	5.04	5.97	17.70	16.55	9.71	10.17	6.39	18.90	5.19	5.59	22.15
10	4.25	5.01	5.32	17.72	15.61	9.59	9.18	6.19	17.06	4.74	5.56	20.67
11	4.25	4.98	-----	16.41	14.96	9.40	8.93	6.11	9.17	4.72	5.31	16.69
12	4.24	4.96	5.23	16.39	12.63	10.02	7.97	11.68	6.94	4.72	5.19	11.61
13	4.22	4.93	4.97	17.21	12.47	11.71	25.56	15.22	6.71	4.61	4.71	8.73
14	4.21	4.91	4.94	18.66	11.22	11.42	32.18	11.32	6.12	4.32	7.43	6.65
15	4.21	4.51	4.83	19.72	10.57	10.19	34.05	8.23	6.07	4.07	6.19	5.97
16	4.24	4.22	4.81	19.33	17.19	9.27	40.34	7.98	6.79	4.39	5.11	5.41
17	4.42	4.20	4.79	18.97	21.59	8.41	41.02	7.64	7.48	5.19	4.43	4.73
18	6.15	4.11	5.22	18.78	21.69	7.29	38.46	7.11	7.09	4.16	5.23	4.61
19	5.73	4.07	5.30	18.14	23.56	7.21	34.66	6.41	7.45	4.22	5.37	4.57
20	5.51	4.07	6.69	17.94	25.36	8.28	31.18	6.18	7.19	4.19	5.34	4.58
21	4.39	4.36	6.83	21.36	25.05	9.00	26.03	6.04	7.43	4.18	6.15	4.54
22	4.22	6.71	6.81	19.89	24.38	11.34	17.43	5.63	6.63	4.15	6.27	4.53
23	4.19	7.98	11.79	18.79	24.67	11.26	14.42	10.18	6.21	4.13	4.58	4.51
24	4.18	8.11	9.18	21.44	20.11	9.31	15.96	12.63	5.82	4.19	4.47	4.48
25	4.18	6.73	10.51	21.61	17.17	7.97	16.21	8.20	5.70	4.17	4.21	4.31
26	4.16	5.26	28.82	21.60	14.37	7.65	15.50	7.39	5.59	5.08	4.07	4.29
27	4.16	5.21	34.08	22.19	12.43	10.63	12.66	6.37	5.41	5.21	4.00	8.62
28	3.97	6.02	33.69	22.83	11.57	16.66	11.41	6.57	5.22	5.07	4.02	9.73
29	3.87	6.23	35.43	23.42	-----	15.43	10.94	6.89	5.04	4.24	4.12	8.42
30	3.86	9.42	36.58	22.36	-----	14.38	10.56	6.18	4.98	4.19	4.50	8.63
31	3.86	-----	34.94	20.41	-----	12.29	-----	5.93	-----	4.72	4.71	-----
MEAN	4.70	5.26	-----	21.04	16.89	10.40	20.24	8.11	8.17	4.61	5.04	8.14
MAX	6.48	9.42	-----	32.94	25.36	16.66	41.02	15.22	19.11	5.66	7.43	22.15
MIN	3.86	4.07	-----	16.39	10.57	7.21	7.97	5.63	4.98	4.07	4.00	4.29

PASCAGOULA RIVER BASIN

02477350 Chickasawhay River at Shubuta, Miss.--Continued

GAGE HEIGHT, IN FEET, AT 0700, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.55	4.25	8.73	13.36	12.64	11.12	15.59	16.31	10.18	5.64	5.87	5.07
2	6.37	4.25	9.47	11.24	12.12	10.82	16.11	17.83	9.55	5.35	9.74	4.96
3	5.89	4.24	9.41	10.19	12.25	11.10	19.08	16.80	8.73	5.48	12.32	4.81
4	5.29	4.24	7.34	10.55	13.12	10.78	20.46	16.27	8.39	4.80	11.48	4.63
5	4.86	4.23	7.21	10.21	15.64	10.23	19.52	15.09	5.66	6.54	9.28	4.38
6	4.83	4.21	6.78	9.71	16.98	10.55	17.91	17.21	5.17	6.19	9.82	4.21
7	4.79	4.21	9.48	9.33	17.29	10.14	13.24	18.17	5.11	5.52	13.10	4.06
8	4.72	4.66	12.97	15.16	15.62	9.47	11.53	19.58	6.24	5.02	13.61	6.55
9	4.69	4.64	16.30	22.87	13.61	9.03	10.91	20.37	7.29	6.86	13.15	7.87
10	4.67	4.61	16.61	23.29	12.14	8.23	10.92	18.63	10.25	9.24	9.15	4.86
11	4.66	4.93	15.05	28.89	11.21	8.06	14.21	17.24	11.70	10.03	8.10	4.51
12	4.44	6.08	13.96	28.14	11.97	9.00	14.89	13.70	15.91	8.23	8.17	4.37
13	4.23	6.15	11.29	27.23	13.75	9.31	15.27	12.09	16.87	6.41	8.38	4.66
14	4.20	6.13	8.47	28.93	15.23	11.42	13.18	10.02	16.21	5.62	7.60	4.34
15	4.15	6.11	7.69	31.59	14.12	16.52	20.05	9.16	15.55	5.11	6.19	4.28
16	4.76	5.98	9.44	32.31	13.13	19.19	21.03	10.82	10.68	4.91	5.70	4.25
17	4.73	5.97	8.42	30.81	25.98	21.44	20.30	15.10	12.73	4.79	6.31	4.19
18	4.61	6.31	7.96	27.00	28.06	20.38	19.82	17.71	10.65	4.70	8.81	5.21
19	4.57	6.53	7.63	19.91	27.14	21.70	17.38	14.98	8.76	4.61	10.17	6.11
20	4.41	8.39	9.33	15.28	27.87	20.42	13.41	10.88	7.93	5.21	13.36	6.09
21	4.33	10.32	9.24	14.18	28.28	19.08	10.94	9.57	9.35	6.59	12.33	5.81
22	4.31	10.61	8.68	12.58	26.52	18.60	9.49	8.41	7.41	7.21	9.39	4.64
23	4.31	11.52	8.27	11.36	21.97	15.26	9.62	7.74	6.12	5.78	7.23	5.02
24	4.30	9.13	12.63	11.52	17.27	12.27	8.83	7.39	5.43	5.41	6.46	7.28
25	4.28	7.31	18.49	19.57	15.60	17.20	8.21	6.61	5.40	4.97	5.19	9.16
26	4.27	7.49	21.50	24.43	14.98	17.72	7.97	5.89	5.06	4.61	4.90	9.91
27	4.27	7.27	23.73	23.41	13.47	17.70	7.81	5.71	4.98	5.21	6.66	5.64
28	4.26	7.23	26.55	23.09	12.39	16.13	7.78	6.32	4.61	6.18	6.06	5.21
29	4.24	6.92	28.37	22.73	-----	15.91	6.56	6.82	4.89	5.73	5.34	4.81
30	4.26	7.08	27.48	20.30	-----	12.04	6.63	6.82	4.94	5.34	4.97	4.39
31	4.28	-----	22.71	14.74	-----	14.62	-----	10.27	-----	5.17	5.09	-----
MEAN	4.66	6.37	13.29	19.48	17.16	14.06	13.62	12.56	8.73	5.89	8.51	5.38
MAX	6.55	11.52	28.37	32.31	28.28	21.70	21.03	20.37	16.87	10.03	13.61	9.91
MIN	4.15	4.21	6.78	9.33	11.21	8.06	6.56	5.71	4.61	4.61	4.90	4.06

PASCAGOULA RIVER BASIN

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02477500 Chickasawhay River near Waynesboro, Miss.

LOCATION.--Lat 31°40'46", long 88°41'00", in NW¼ sec.10, T.8 N., R.7 W., St. Stephens meridian, Wayne County, on right bank 18 ft (5.5 m) downstream from bridge on U.S. Highway 84, 2 miles (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). Sept. 1938 to May 4, 1939, wire-weight gage and May 5, 1939, to Sept. 1950, water-stage recorders, at present site and datum.

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

EXTREMES.--Maximum and minimum gage heights (at 0700) for January 1972 to September 1975 are contained in the following table.

Water year	Date	Maximum		Minimum	
		Gage height		Gage height	
		feet	metres	feet	metres
1972*	Jan. 16	29.03	8.848	Sept. 18	1.96
1973	Apr. 27	32.79	9.994	Aug. 11	†-2.46
1974	Dec. 30	34.19	10.421	Sept. 26	4.17
1975	Jan. 17	30.56	9.315	Sept. 17	† 3.30

* January to September.

† Observed.

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, 1.96 ft (0.597 m) Sept. 19, 1972.

Flood of April 1900 reached a stage of 51.5 ft (15.697 m) at site 1.3 miles upstream, at datum 2.95 ft higher and about 50 ft (15.2 m) at present site and datum (discharge about 73,000 ft³/s or 2,070 m³/s).

REMARKS.--Records furnished by National Weather Service.

GAGE HEIGHT, IN FEET, AT 0700, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1				11.24	20.41	8.51	10.83	5.32	3.27	3.61	3.76	2.16
2				11.87	20.72	13.71	8.81	5.16	3.18	3.54	4.11	2.12
3				13.08	21.18	19.39	7.67	5.11	3.07	3.48	3.56	2.10
4				13.69	23.04	21.16	7.12	4.98	3.02	3.27	3.26	2.06
5				20.99	22.80	21.04	8.68	5.08	2.95	3.27	2.88	2.07
6				24.65	20.33	20.67	8.62	4.83	2.88	3.18	2.70	2.08
7				25.01	18.99	19.30	7.57	4.68	2.84	3.26	2.59	2.08
8				23.95	20.05	14.40	7.10	6.76	2.77	3.28	2.49	2.06
9				22.80	20.42	14.91	6.67	4.91	2.73	3.07	2.40	2.07
10				21.48	20.27	15.86	6.35	6.67	3.14	2.86	2.32	2.07
11				20.74	20.45	15.36	6.10	5.51	3.35	2.69	2.27	2.09
12				22.51	20.35	14.33	5.92	5.15	2.96	2.59		2.08
13				24.38	19.10	12.10	5.80	5.09	3.46	2.63		2.06
14				26.07	16.57	10.36	5.70	7.51	3.66	2.66		2.02
15				28.11	16.15	9.47	5.60	13.11	3.68	3.96	3.23	2.00
16				29.03	15.49	8.88		11.18	3.23	4.62	3.59	2.00
17				27.96	14.27	9.41		6.92	3.34	2.51	3.28	2.00
18				23.67	13.35	11.69		5.43	4.64	2.68	2.98	1.96
19				15.00	13.13	11.86	6.87	4.82	4.66	3.41	2.79	1.99
20				12.44	12.94	11.48	6.02	4.37	4.02	3.40	2.59	2.11
21				19.25	12.59	10.46	5.30	4.10	3.42	3.14	2.44	2.16
22				19.56	11.89	9.59	4.90	3.83	3.12	3.38	2.32	2.42
23				20.50	11.31	8.80	12.00	3.70	2.99	3.16	2.27	2.32
24				18.42	10.52	8.34	7.80	3.58	2.90		2.24	2.46
25				15.00	9.60	7.80	5.94	4.31	2.74		2.26	2.40
26				12.61	9.17	7.37	5.31	4.91	2.68		2.28	2.33
27				11.03	8.91	7.20	4.92	5.90	2.72		2.32	2.62
28				10.71	8.79	7.19	4.60	4.51	2.78		2.27	2.71
29				10.83	8.59	8.45	4.40	3.94	2.81		2.44	2.76
30				13.85	-----	12.01	4.60	3.66	3.77		2.34	2.77
31		-----		18.29	-----	12.59	-----	3.42	-----		2.23	-----
MEAN				18.99	15.91	12.38		5.56	3.23			2.20
MAX				29.03	23.04	21.16		13.11	4.66			2.77
MIN				10.71	8.59	7.19		3.42	2.68			1.96

PASCAGOULA RIVER BASIN

02477500 Chickasawhay River near Waynesboro, Miss.--Continued

GAGE HEIGHT, IN FEET, AT 0700, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.05	3.92	4.80	15.20	8.59	7.23		24.68	11.91			
2	3.29	3.54	4.62	18.20	9.15	6.80		19.79	11.89	4.24		
3	3.52	3.41	4.53	18.74	13.37	6.98		13.31	11.89		3.47	
4	3.60	3.44	4.46	17.73	15.79	10.53	27.01	12.14	12.68		2.08	
5	3.18	3.90	4.35	15.07	16.62	11.46	28.68		10.33		.48	
6	2.81	3.96	5.66	14.65	17.19	11.51	29.14				-1.09	
7	2.54	4.16	8.94	13.38	15.75	26.56	27.79	10.26			-1.64	
8	2.41	4.30	8.57	14.16	12.10	28.34	25.57	18.13	8.65			
9	2.33	4.42	8.11	17.42	12.21	25.03	23.48	21.06	12.80			
10	2.23	4.86	7.10	18.48	15.15	18.40	21.84	21.47	13.94		-2.16	
11	2.18	4.84	5.74	18.53	15.04	12.62	21.28	22.33	13.15		-2.46	
12	2.14	4.93	5.11	18.05	13.54	16.06	21.04	23.43	10.40		-2.39	
13	2.10	4.80	4.96	15.45	12.20	18.32	19.24	22.27	9.17		-2.05	
14	2.17	4.76	5.69	11.50	12.43	18.78	13.97	16.12	8.79		-2.20	
15	2.05	4.68	5.44	10.84	15.55	18.51	12.09		9.32		-1.97	10.02
16	2.03	4.95	5.73	10.59	12.29	16.70	11.72		8.47			8.54
17	2.03	4.92	11.98	10.33	17.99	14.81	12.03		8.85		-2.22	8.20
18	2.03	4.64	13.20	10.09	18.67	18.76	13.31	9.28	8.88		-5.57	7.84
19	2.62	4.44	15.20	9.95	19.37	20.26	18.02	9.04	7.97	5.40		7.57
20	2.62	4.38	8.69	9.49	19.35	20.97	20.86	8.87	6.82	5.27		7.34
21	2.62	4.32	17.66	7.81	13.44	21.66	21.43	8.62	6.06	5.27	-6.64	6.99
22	2.61	4.34	20.35	11.67	11.00	20.96	22.49		5.60	5.27		6.81
23	2.88	4.28	21.08	10.27	10.46	16.10	23.32		5.25	5.27		6.85
24	3.93	4.15	19.41	17.02	10.13	12.30	22.82	7.12	6.81	5.27		6.67
25	4.37	4.04	18.22	16.82	9.88	19.15	19.79	8.00	7.34	5.27		6.55
26	4.39	4.65	15.96	12.91	9.43	22.51	31.49		6.67			6.41
27	4.21	5.64	11.55	10.25	9.32	23.45	32.79	10.63	5.75			6.23
28	4.56	6.70	9.92	10.48	8.67	23.04	30.97	14.20	5.16	4.81		5.84
29	4.66	6.23	9.22	9.73	-----	23.50	28.62	11.47		4.81		5.63
30	4.64	5.23	7.63	8.81	-----	23.92	26.88	15.90	4.65	4.81	4.04	5.67
31	4.54	-----	9.81	8.30	-----		-----		-----		4.82	-----
MEAN	3.04	4.56	9.80	13.51	13.38							
MAX	4.66	6.70	21.08	18.74	19.37							
MIN	2.03	3.41	4.35	7.81	8.59							

GAGE HEIGHT, IN FEET, AT 0700, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.63	4.51	9.32	34.19	21.66	12.56	14.22	11.42	6.30	5.10	6.32	4.61
2	7.12	4.59	8.45	33.49	21.37	12.19	13.46	11.13	6.67	4.86		5.13
3	6.94	4.69	8.26	31.35	18.55	11.87	21.57	10.90	7.24	4.65	4.60	5.83
4	7.32	4.76	7.92	28.89	15.93	11.64	21.20	10.50	8.42	4.53	4.59	9.06
5	7.49	4.80	7.96	26.51	14.27	11.36	21.83	9.59	8.01	4.42	6.81	11.22
6	6.84	4.93	8.29	24.10	13.14	11.21	20.62	9.06	8.68	5.07	6.72	9.03
7	6.11	5.19	8.72	21.26	12.72	10.95	20.09	8.48	16.90	6.27	5.71	6.36
8	5.60	5.54	8.96	18.95	15.88	10.77	17.60	7.96	19.10	6.04	5.14	16.39
9	5.30	5.80	8.51	18.37	17.52	10.67	12.40	7.52	18.83	5.44	8.03	22.19
10	5.18	5.87	7.36	18.57	17.47	10.57	10.75	7.15	18.46	5.26	7.50	21.60
11	4.91	5.85	6.53	18.12	17.08	10.42	9.80	6.90	14.68	5.06	5.91	18.92
12	4.57	5.80	6.05	17.97	15.51	10.42	9.21	8.81	8.48	4.82	5.01	14.14
13	4.48	5.70	5.82	18.59	13.55	11.79	22.81	15.62	7.31	4.69	4.60	9.95
14	4.43	5.60	5.70	19.03	12.70	12.61	30.25	13.86	6.93	4.42	4.48	7.52
15	4.42	5.51	5.62	19.69	12.00	12.10	32.79	10.48	7.32	4.39	7.46	6.94
16	4.42	5.42	5.63	21.22	13.61	10.55	33.99	8.45	8.27	4.28	8.47	6.35
17	4.49	5.30	5.64	19.80	19.62	9.28		7.90	8.14	4.29		5.94
18	4.79	5.20	5.69	19.36	21.39	8.64	41.87	7.66	8.07	4.31	6.28	5.57
19	5.86	5.11	5.87	19.17	21.87	8.14	41.38	7.50	8.69	4.31	5.88	5.27
20	6.32	5.04	6.01	18.56	23.62	10.00	41.45	7.19	8.06	4.35	6.24	5.00
21	6.07	4.97	9.07	21.79	24.65	10.18	41.37	6.87	8.05	4.37	6.68	4.82
22	5.66	5.06	11.79	21.99	25.16	11.23		6.67	7.81	4.41	6.66	4.68
23	5.28	5.42	13.03	20.52	24.12	12.47		8.16	6.81	4.55	6.33	4.50
24	5.01	6.28	12.12	21.13	22.26	11.77		13.63	6.38	4.66	5.74	4.32
25	4.84	6.86	9.98	22.37	19.04	10.09	17.07	11.19	6.74	4.83	5.18	4.19
26	4.74	6.91	20.37	22.16	17.15	8.87	16.82	8.16	8.04	5.12	4.78	4.17
27	4.63	6.78	30.89	22.59	14.46	9.73		7.32	7.95	5.33	4.52	5.08
28	4.56	6.68	33.35	23.43	13.03	16.11	12.98	7.23	6.35	5.28	4.35	10.00
29	4.52	7.01	33.94	23.50	-----	17.64	12.23	7.62	5.67	5.20	4.39	8.75
30	4.50	7.75	34.19	23.52	-----	15.80	11.78	7.27	5.34	5.06	4.28	8.22
31	4.49	-----	34.19	-----	-----	15.20	-----	6.64	-----	7.28	4.39	-----
MEAN	5.40	5.63	12.43		17.85	11.51		8.99	9.12	4.92		8.53
MAX	7.49	7.75	34.19		25.16	17.64		15.62	19.10	7.28		22.19
MIN	4.42	4.51	5.62		12.00	8.14		6.64	5.34	4.28		4.17

PASCAGOULA RIVER BASIN

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02477500 Chickasawhay River near Waynesboro, Miss.--Continued

GAGE HEIGHT, IN FEET, AT 0700, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.10	4.42	8.62	20.11	12.50	11.04	13.99	12.35	9.86	9.80	5.31	4.07
2	6.48	4.22	9.55	12.02	11.57	10.70	14.43	15.97	9.33	9.87	6.36	4.18
3	5.60	4.19	10.16	10.76	11.29	10.44	15.84	15.63	7.02	9.81	11.15	4.12
4	4.92	4.39	9.11	10.62	11.84	10.18	18.39	14.95	5.20	9.81	11.08	
5	4.56	4.42	7.52	10.70	14.13	10.25	18.43	14.48	4.52	9.81	11.18	
6	4.41	4.47	6.70	9.98	15.40	10.06	17.63	14.56	4.12	9.81	8.89	
7	4.28	4.63	7.31	9.58	15.94	8.80	14.82	15.98	3.97	9.81	11.69	
8	4.18	4.39	12.99	14.37	15.54	9.32	10.56	17.15	4.37	5.95	12.60	
9	4.09	4.41	15.43	21.47	13.08	8.42	10.05	18.59	5.39	5.32	13.47	
10	4.01	4.38	15.81	26.11	11.47	7.72	10.51	19.01	7.97	7.67	11.47	4.89
11	3.94	4.64	15.46	25.99	11.12	7.54	11.43	17.30	9.89	9.39	8.82	4.12
12	3.91	6.03	13.47	27.78	10.95	7.56	13.48	15.00	11.44	9.26	7.66	4.10
13	3.88	6.63	10.85	26.95	11.97	8.63	13.95	11.35	11.49	7.70	8.36	4.24
14	3.85	6.10	8.88	26.52	13.45	10.38	12.90	9.61	11.49	5.89	7.69	4.00
15	3.83	5.74	8.56	27.91	13.80	13.64	17.23	8.45	11.29	5.07	6.77	3.56
16	4.94	5.28	9.79	29.54	11.78	16.34	19.05	8.74	9.90	4.57	5.78	3.34
17	5.02	5.92	9.83	30.56	21.77		18.58	11.14	9.90	4.26	5.46	3.30
18	4.61	6.22	8.80	29.05	25.45	19.98	18.13	14.96	9.90	4.64	6.92	
19	4.50	8.83	8.06	25.20	25.68	20.56	17.50	15.08	9.80	4.08	9.53	
20	4.33	8.67	8.75	18.30	25.21	20.30	14.26	11.77	9.80	4.96	12.17	
21	4.17	8.80	10.25	15.14	25.65	18.93	10.13	8.78	9.80	5.48	12.28	
22	4.07	7.91	10.42	13.42	25.58	18.03	9.15	7.91	9.80	6.44	11.25	
23	3.97	12.05	9.31	12.36	23.90	16.75	8.59	7.15	9.80	6.68	8.56	
24	3.90	10.82	10.31	11.92	20.92	12.43	7.58	6.02	9.80	5.89	6.59	
25	3.84	9.05	16.20	15.09	15.70	14.09	6.80	5.23	9.80	5.62	5.93	
26	3.80	7.48	19.24	21.49	14.63	16.30	6.50	4.80	9.70	5.10	5.55	8.21
27	3.77	7.24	20.88	22.39	13.27	16.29	6.01	4.55	9.80	5.17	5.18	6.34
28	3.74	7.39	22.64	26.62	12.22	15.84	5.60	4.48	9.80	6.50	5.74	4.87
29	3.72	7.12	24.75	21.22	-----	13.26	5.79	4.53	9.80	5.99	5.44	4.25
30	4.11	6.94	26.07	20.48	-----	11.19	5.99	4.63	9.80	5.52	4.74	3.95
31	4.30	-----	24.92	17.00	-----	13.00	-----	8.45	-----	5.19	4.50	-----
MEAN	4.38	6.43	12.92	19.71	16.28		12.44	11.25	8.82	6.81	8.33	
MAX	7.10	12.05	26.07	30.56	25.68		19.05	19.01	11.49	9.87	13.47	
MIN	3.72	4.19	6.70	9.58	10.95		5.60	4.48	3.97	4.08	4.50	

PASCAGOULA RIVER BASIN

02477990 Buckatunna Creek near Denham, Miss.

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

EXTREMES.--Current year: Maximum discharge, 4,720 ft³/s (134 m³/s) Jan. 11 (gage height, 21.72 ft or 6.620 m); minimum, 110 ft³/s (3.12 m³/s) Sept. 5 (gage height, 4.81 ft or 1.466 m).

Period of record: Maximum discharge, 11,500 ft³/s (325 m³/s) Apr. 16, 1974 (gage height, 33.81 ft or 10.305 m); minimum, 7.8 ft³/s (0.22 m³/s) Sept. 21-22, 1972 (gage height, 3.92 ft or 1.195 m).

REMARKS.--Records good. Records for chemical analyses for the current year are published in the water-quality section of this 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	1280	157	979	1760	2490	1020	1340	1630	704	308	352	178
2	1100	154	761	934	1370	917	1320	1510	562	712	833	187
3	584	159	659	805	1040	350	2120	1420	418	370	1120	142
4	780	155	574	862	1020	518	2140	1410	311	242	1130	124
5	297	149	450	921	1350	615	1960	1320	255	608	1180	115
6	250	151	400	890	1450	748	1770	1530	229	626	1730	140
7	218	157	964	785	1370	644	1440	1470	261	378	1990	148
8	196	162	1290	3250	1280	548	2030	1750	265	259	1750	737
9	180	160	1080	4440	1140	508	1930	1410	322	207	1450	308
10	169	157	1010	4030	957	544	1360	1430	732	203	1170	286
11	166	223	888	4660	886	546	1290	1630	1160	295	814	299
12	160	432	688	4216	849	745	1150	1380	1420	354	530	426
13	153	410	612	4000	855	825	1030	979	1170	304	420	618
14	146	388	566	4250	935	1700	1000	767	1020	261	350	241
15	140	336	1040	4610	941	1440	2880	721	1080	214	315	169
16	292	274	1200	4630	1180	2430	2470	941	1180	175	293	146
17	520	317	823	4160	4240	2890	2110	486	1220	151	315	484
18	374	574	745	3440	3440	3110	1950	943	1170	139	446	1120
19	248	572	677	2560	3230	3330	2020	441	1190	140	675	466
20	196	699	429	1770	3200	3030	2060	744	818	256	410	364
21	169	783	410	1680	3400	2740	1420	574	492	330	344	272
22	160	759	886	1480	3430	2440	816	454	406	364	336	254
23	151	933	741	1150	3140	2140	686	386	334	506	308	1360
24	144	864	1410	1050	2850	2230	608	336	290	570	250	1940
25	137	737	2020	2240	2330	2250	562	299	247	448	254	1110
26	133	673	1950	3000	1980	1510	522	284	212	325	392	820
27	130	562	1930	2740	1620	1550	484	248	227	225	322	626
28	124	510	2170	2700	1280	1630	445	241	404	254	386	414
29	149	424	2740	2840	---	1670	514	257	708	275	259	313
30	193	656	2150	3160	---	1620	728	481	285	220	189	263
31	162	---	2940	3170	---	1480	---	1420	---	263	157	---
TOTAL	8703	12594	37492	82264	53433	49132	43154	31414	19102	10033	20470	14110
MEAN	280	414	1225	2653	1922	1545	1438	1013	636	323	660	470
MAX	1280	864	3190	4660	4240	3330	2880	1930	1420	712	1990	1240
MIN	124	144	400	785	849	544	448	241	212	139	157	115
CFSM	.57	.86	2.50	7.42	3.92	3.24	2.94	2.07	1.30	.66	1.35	.26
IN	.66	.96	2.98	7.22	4.99	3.73	3.28	2.49	1.45	.76	1.55	1.07
CPI YR 1974 TOTAL 403264 CFSM 1105 MAX 11100 MIN 74 CFSM 2.24 IN 30.62												
WTR YR 1975 TOTAL 342837 CFSM 1048 MAX 4660 MIN 115 CFSM 2.14 IN 29.06												

PEAK DISCHARGE (BASE, 4,000 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
01-11	1230	21.72	4,720	02-17	1600	20.82	4,420
01-16	0100	21.69	4,710				

02478500 Chickasawhay River at Leakesville, Miss.

LOCATION.--Lat 31°08', long 88°33', in SW¼ sec.12, T.2 N., R.6 W., St. Stephens meridian, Greene County, on left bank at downstream side of bridge on State Highway 63, 0.5 mile (0.8 km) southeast of Leakesville, 2 miles (3 km) upstream from Foulk ditch, and 29.1 miles (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.

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.

AVERAGE DISCHARGE.--37 years, 3,759 ft³/s (106.5 m³/s), 19.05 in/yr (484 mm/yr).

EXTREMES.--Current year: Maximum discharge, 22,900 ft³/s (649 m³/s) Jan. 19 (gage height, 26.31 ft or 8.019 m); minimum, 742 ft³/s (21.0 m³/s) Oct. 29 (gage height, 9.48 ft or 2.890 m).
Period of record: Maximum discharge, 73,600 ft³/s (2,080 m³/s) Feb. 28, 1961 (gage height, 33.52 ft or 10.217 m); minimum, 160 ft³/s (4.53 m³/s) Oct. 30, 31, 1963 (gage height, 6.74 ft or 2.054 m).
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.

REMARKS.--Records good. Records of chemical analyses for the current year are published in the water-quality section of this report.

REVISIONS (WATER YEARS).--WSP 1504: 1938-39.

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	2890	1260	4620	15300	12800	7060	7350	6140	6330	2770	5220	1310
2	2650	1090	4680	14600	10100	5950	7490	8250	5390	2600	4680	1250
3	2430	969	4160	8650	7450	5340	7690	9060	4430	2660	5050	1200
4	1890	918	3880	5440	6160	5410	8490	9490	3350	2390	6210	1150
5	1480	929	3280	5250	6090	6280	9920	10100	2550	2120	7730	1100
6	1280	919	2660	4950	6320	5820	10500	10400	2160	2330	7910	1200
7	1170	922	2460	4500	6550	5180	10100	11600	2260	2520	7870	2200
8	1100	944	3900	7550	6810	4760	8710	15000	2750	2310	8100	1400
9	1040	910	5360	16300	7140	4310	7450	15600	2790	1970	7440	2100
10	986	907	6670	19400	6900	3840	11700	16000	2740	1800	6770	2400
11	945	930	6820	20800	5750	3590	12100	16200	3900	3340	5890	1850
12	914	1150	6660	21500	5350	4150	5580	14900	5780	4050	4350	1610
13	888	1600	5840	22100	5200	5570	8310	11400	7260	3500	3200	2610
14	867	1720	4380	22200	5290	7410	9450	7810	8020	2780	2800	3000
15	856	1600	3790	21700	5750	8670	16100	6240	7920	2190	2500	2020
16	913	1500	4440	21000	6390	9670	17200	6610	7010	1890	2300	1490
17	1110	1380	4940	21000	10700	12600	15700	6880	5520	1660	2300	1320
18	1340	1830	4220	21900	14600	14800	14000	6880	5560	1600	2300	1630
19	1280	2840	3580	22800	16400	17000	12600	7820	5540	2240	2000	2660
20	1110	4200	3280	21500	17600	17000	11500	7720	4850	2500	2100	2350
21	996	5420	3730	18800	17900	16000	9730	5970	4220	2230	2500	2100
22	918	4390	4260	13000	17700	14500	7020	4480	3740	3540	3200	1970
23	865	4550	4190	8550	17700	13000	5260	3820	3740	2970	2300	2690
24	827	4550	5020	6850	17900	11400	4520	3310	3110	2660	1900	4820
25	801	4110	7160	6530	17500	9940	3960	2810	2470	2380	1700	5140
26	784	3610	8810	9000	14900	9950	3530	2460	2150	2400	1600	4410
27	768	3050	10000	12000	11000	9780	3250	2260	1970	2350	1500	3440
28	754	2670	10900	13600	8520	9350	2990	2170	1890	2240	1500	2730
29	752	2500	11700	14200	---	9030	2820	2240	2270	2440	1500	2100
30	956	2730	12900	14000	---	8150	3360	2820	2620	2290	1480	1820
31	1350	---	14300	13700	---	7290	---	5350	---	2820	1400	---
TOTAL	36910	66090	183200	448800	292500	272900	262400	243800	124300	77540	117300	67260
MEAN	1191	2203	5909	14480	10450	8802	8746	7864	4143	2501	3784	2242
MAX	2490	5420	14300	22800	17900	17000	17200	16600	8020	4050	8100	5140
MIN	752	907	2460	4500	5200	3590	2320	2170	1890	1600	1400	1100
CFSM	.44	.82	2.29	5.40	3.90	3.28	3.26	2.93	1.55	.93	1.41	.84
IN.	.51	.92	2.54	6.23	4.06	3.79	3.64	3.38	1.73	1.08	1.63	.93

CAL YR 1974 TOTAL 2197951 MEAN 6022 MAX 41100 MIN 752 CFSM 2.25 IN 30.51
WTR YR 1975 TOTAL 2193000 MEAN 6008 MAX 22800 MIN 752 CFSM 2.24 IN 30.44

PASCAGOULA RIVER BASIN

02479000 Pascagoula River at Merrill, Miss.

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

AVERAGE DISCHARGE.--45 years, 9,664 ft³/s (273.7 m³/s), 19.88 in/yr (505 mm/yr).

EXTREMES.--Current year: Maximum discharge, 60,900 ft³/s (1,720 m³/s) Jan. 13 (gage height, 23.17 ft or 7.062 m); minimum, 2,470 ft³/s (70.0 m³/s) Oct. 29 (gage height, 4.21 ft or 1.283 m).

Period of record: Maximum discharge, 178,000 ft³/s (5,040 m³/s) Feb. 27, 1961 (gage height, 30.66 ft or 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.

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.

REMARKS.--Records good. See following pages for tables of daily gage height for water years 1972-75. Records of chemical analyses for the current year are published in the water-quality section of this 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	6080	5070	10100	22500	27400	20000	17000	11300	12100	7520	16400	4130
2	6700	4200	11600	21100	24500	15800	16800	18000	12400	8330	16700	4070
3	6600	3720	10700	19600	20200	12900	16500	21700	11000	7950	19700	3880
4	5770	3320	9390	15500	15700	12400	16700	24100	9170	7860	22000	3770
5	4710	3120	8490	11300	14000	17500	19200	26200	7450	7420	23300	3560
6	4040	3010	7230	10300	15100	19700	20900	28200	6330	6610	24000	3850
7	3660	2940	6790	9450	16200	17700	20900	29400	7040	6400	23600	5960
8	3410	2900	8830	13100	16300	14500	19800	40300	10100	6360	21100	6380
9	3220	2880	14100	26300	15700	12300	19700	52400	11700	6200	18000	5690
10	3060	2840	16900	40200	14600	10800	26300	56200	10200	5500	15600	7650
11	2940	2940	18300	51000	12900	9840	35800	57100	11100	5660	15100	7170
12	2850	3500	19400	58500	11600	10700	36500	56800	15500	9550	13100	6270
13	2790	4660	19200	60500	11200	12300	31100	54700	18700	10900	10200	6240
14	2740	5200	15400	60200	10900	17200	25700	48200	19600	9410	8540	8010
15	2710	4920	12700	59600	11100	20900	34200	38400	17200	7540	7780	7390
16	2860	4530	12300	59000	12400	22200	45500	27800	15400	5990	6980	5700
17	3420	4290	13300	58100	17800	26500	48700	27000	13500	5140	6860	4330
18	3990	5480	12200	56300	27700	31000	47300	19300	11400	4650	6990	5310
19	4090	8620	10300	52400	34300	40000	42800	18200	11000	5040	6030	5720
20	3720	10400	9220	46400	41400	46100	35800	17700	13200	6060	6450	7050
21	3320	14800	9700	39200	48100	47900	28100	15700	13400	5750	8430	6420
22	3050	14700	10700	33400	52200	46700	22100	12600	11200	6120	9450	6050
23	2860	11500	10700	27300	51800	42900	15700	10300	9410	6970	8360	7460
24	2730	10500	12000	21200	48200	36900	11900	8990	8990	7720	7000	10400
25	2640	9960	14500	16700	42400	29700	10300	8030	7840	6750	5920	10300
26	2580	9140	17500	19100	35900	25400	9270	7240	6640	6180	5270	9410
27	2540	9250	20200	24400	29900	22500	8550	6760	6090	6280	4930	8370
28	2510	7170	22900	28900	25000	20400	7980	6890	5630	6820	4780	7090
29	2550	6400	23900	31900	---	18600	7560	6760	5850	7000	4820	5750
30	3990	6690	25400	31900	---	18100	7550	7410	6680	7230	4740	4940
31	5520	---	24700	29800	---	17700	---	10500	---	10800	4400	---
TOTAL	113650	187650	437950	1057150	704500	717240	706210	769180	325820	217710	356530	188720
MEAN	3666	6255	14127	34101	25160	23136	23540	24812	10860	7022	11500	6290
MAX	6700	14800	25400	60500	52200	47900	48700	57100	16500	10900	24000	10400
MIN	2510	2840	6790	9450	10900	9840	7550	6760	5630	4650	4400	3560
CFSM	.56	.95	2.14	5.17	3.81	3.51	3.57	3.76	1.65	1.06	1.74	.95
IN.	.64	1.06	2.47	5.56	3.97	4.04	3.98	4.34	1.84	1.23	2.01	1.06
CAL YR 1974 TOTAL	5674280	MEAN	15545	MAX	134000	MIN	2500	CFSM	2.36	IN	31.98	
WTR YR 1975 TOTAL	5782310	MEAN	15841	MAX	60500	MIN	2510	CFSM	2.40	IN	32.59	

PASCAGOULA RIVER BASIN

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02479000 Pascagoula River at Merrill, Miss.--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1				10.52	15.81	11.23	11.59	6.30	5.04	5.45	4.23	3.10
2				11.11	17.17	16.61	11.16	6.11	4.86	6.28	4.67	3.17
3				11.16	18.22	18.30	10.06	7.17	4.72	5.85	4.61	3.15
4				11.66	19.05	19.02	9.19	9.70	4.62	5.33	4.43	3.08
5				14.88	19.49	19.47	9.67	8.17	4.52	5.53	4.25	2.97
6				17.46	19.63	19.64	10.00	7.03	4.44	5.31	3.92	2.87
7				16.99	19.67	19.44	10.21	6.86	4.37	4.96	3.68	2.83
8				19.99	20.03	18.88	9.54	13.39	4.30	4.68	3.51	2.73
9				20.54	20.46	18.28	8.96	17.01	4.26	4.45	3.38	2.77
10				20.63	20.77	17.76	8.23	16.48	4.25	4.21	3.27	2.78
11				20.71	20.67	17.09	7.66	13.13	4.43	4.02	3.20	2.78
12				20.88	20.18	16.05	7.31	10.94	4.62	3.89	3.22	2.75
13				20.97	19.45	14.75	7.04	13.02	4.76	4.29	3.32	2.69
14				21.08	18.71	13.37	6.83	15.21	4.80	4.43	3.49	2.67
15				21.02	18.02	11.94	6.67	14.96	4.62	4.51	3.67	2.64
16				20.88	17.01	10.81	6.58	13.38	4.66	4.82	3.63	2.59
17				20.65	16.07	10.86	7.01	12.03	4.82	5.00	3.70	2.58
18				19.88	15.86	10.88	7.82	11.03	4.77	5.06	3.72	2.57
19				18.79	15.53	10.82	8.13	9.98	4.74	4.85	3.69	2.53
20				18.18	14.10	11.11	7.76	8.58	4.78	4.55	3.51	2.53
21				19.56	12.74	10.90	7.20	7.34	4.78	4.38	3.31	2.58
22				20.06	12.08	10.36	6.91	6.53	4.56	4.17	3.19	2.60
23				20.30	11.50	9.74	9.15	6.10	4.35	3.98	3.12	2.65
24				20.55	11.06	9.19	11.35	5.80	4.22	3.85	3.19	2.81
25				20.64	10.68	8.74	11.47	5.58	4.09	3.80	3.17	2.81
26				20.23	10.23	8.38	9.79	5.51	4.01	4.36	3.17	2.76
27				19.00	9.83	8.06	8.20	5.77	4.14	4.31	3.25	2.83
28				16.94	9.51	8.07	7.18	5.84	3.97	4.31	3.29	3.05
29				14.43	9.22	9.36	6.56	5.89	3.98	4.35	3.30	3.11
30				12.84	-----	10.41	6.24	5.57	4.42	4.33	3.26	3.09
31		-----		13.50	-----	11.13	-----	5.27	-----	4.23	3.15	-----
MEAN				18.01	15.96	13.25	8.52	9.22	4.49	4.62	3.56	2.80
MAX				21.08	20.77	19.64	11.59	17.01	5.04	6.28	4.67	3.17
MIN				10.52	9.22	8.06	6.24	5.27	3.97	3.80	3.12	2.53

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.08	3.99	5.31	15.95	8.80	8.18	23.48	22.96	12.51	5.93	6.90	5.46
2	3.11	3.82	4.97	16.19	11.50	7.83	23.27	23.18	12.10	5.73	7.87	5.55
3	3.06	3.68	4.64	16.67	11.11	7.63	22.97	22.86	11.43	5.51	8.14	5.70
4	3.08	3.62	4.43	16.96	11.10	7.92	22.70	21.94	10.54	5.45	8.76	5.63
5	3.11	3.47	4.33	17.16	11.97	9.98	22.57	19.97	10.34	5.59	7.80	5.67
6	3.11	3.33	5.94	17.07	12.85	11.53	22.56	17.54	10.43	6.05	7.04	6.57
7	3.01	3.31	11.94	16.40	12.88	12.40	22.69	14.17	11.91	6.22	6.63	9.44
8	2.88	3.31	14.42	15.61	11.99	13.69	22.81	14.08	11.59	7.16	6.02	9.69
9	2.79	3.30	13.66	15.45	11.44	16.18	22.75	16.17	10.89	8.34	5.63	8.48
10	2.72	3.32	10.72	15.99	12.57	18.30	22.60	18.11	11.13	8.76	5.62	7.88
11	2.65	3.38	8.91	16.50	14.43	19.92	22.28	19.46	11.82	8.44	5.92	7.70
12	2.59	3.49	7.67	16.34	15.27	21.11	21.64	20.06	11.85	7.73	5.47	7.23
13	2.57	3.58	6.76	15.73	14.95	21.40	20.70	20.05	11.68	6.84	5.34	9.72
14	2.54	4.85	6.19	14.64	15.95	20.91	19.25	19.67	10.94	6.43	5.73	13.00
15	2.52	6.53	6.01	12.99	17.30	20.16	17.43	18.60	10.58	7.04	5.66	11.53
16	2.50	5.87	6.27	11.19	17.31	19.42	15.12	16.67	10.55	7.27	5.51	10.23
17	2.49	5.10	6.64	9.92	17.43	18.96	13.18	14.10	9.76	7.64	5.76	8.85
18	2.48	4.68	7.65	9.32	17.54	18.60	14.31	11.08	9.23	7.81	6.89	7.79
19	2.44	4.96	8.72	9.11	17.64	18.44	17.67	9.75	8.75	7.02	7.73	7.02
20	2.45	5.47	8.82	8.91	17.51	18.42	19.51	9.22	8.36	6.25	8.46	6.40
21	2.49	5.10	10.30	8.79	16.15	18.33	20.60	9.00	7.78	5.88	8.82	5.99
22	2.53	4.77	15.52	10.20	14.19	17.93	21.12	8.64	7.58	6.22	8.67	5.67
23	2.62	4.47	17.74	12.27	11.62	17.15	21.24	8.40	7.39	6.46	7.95	5.43
24	3.19	4.24	19.07	13.46	9.99	16.44	21.16	8.41	7.09	6.20	6.78	5.30
25	3.97	4.30	20.05	13.49	9.38	18.81	20.83	10.73	7.47	5.85	5.76	5.18
26	4.35	5.37	20.45	13.20	8.98	21.36	19.98	12.73	7.64	5.69	5.19	5.06
27	4.32	6.20	20.04	12.50	8.68	22.26	19.50	13.51	7.09	5.91	4.91	5.17
28	4.29	6.06	18.16	11.20	8.44	22.61	19.95	13.89	6.56	6.07	4.81	5.34
29	4.35	5.80	14.31	10.14	-----	22.90	20.94	13.59	6.30	6.05	4.67	5.32
30	4.29	5.58	10.78	9.54	-----	23.21	22.11	13.27	6.12	6.15	4.98	5.51
31	4.20	-----	12.41	9.01	-----	23.43	-----	12.86	-----	6.24	5.22	-----
MEAN	3.09	4.50	10.74	13.29	13.18	17.27	20.56	15.31	9.58	6.58	6.47	7.12
MAX	4.35	6.53	20.45	17.16	17.64	23.43	23.48	12.51	12.51	8.82	13.00	13.00
MIN	2.44	3.30	4.33	8.79	8.44	7.63	13.18	8.40	6.12	5.45	4.67	5.06

PASCAGOULA RIVER BASIN

02479000 Pascagoula River at Merrill, Miss.--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.82	4.26	9.42	24.61	21.96	12.51	18.12	10.15	6.90	5.50	5.40	6.31
2	6.62	4.40	8.87	24.18		11.18	16.35	9.68	7.30	5.27	5.80	8.98
3	8.24	4.39	7.93	23.90	20.94	10.60	15.81	9.37	8.34	5.15	5.81	11.88
4	8.31	4.40	7.23	23.56	20.04	10.25	16.52	9.17	8.10	5.05	5.33	12.46
5	7.55	4.78	8.50		18.20	9.99	17.54	9.15	7.99	4.95	5.91	12.05
6	6.85	5.87	9.35	22.78	15.16	9.76	18.09	9.62	8.97	4.95	6.18	11.07
7	6.16	6.68	9.48	22.20	14.28	9.54	18.14	10.04	9.46	5.09	5.98	9.86
8	5.66	6.48	8.95	21.58	15.88	9.34	17.56	9.80	11.60	5.30	5.87	13.86
9	5.26	6.07	8.41	20.72	17.57	9.14	16.55	9.19	13.32	5.43	5.72	17.79
10	5.03	5.91	7.47	19.82	18.09	8.95	14.90	8.56	14.20	5.18	5.81	19.49
11	4.97	5.93	6.70	18.63	17.38	8.79	12.06	8.08	14.45	4.96	6.26	20.34
12	4.89	6.05	6.25		16.03	9.25	10.14	9.53	14.02	4.84	5.79	20.74
13	4.88	5.64	5.97	17.24	14.56	10.56	13.91	11.84	12.96	4.68	5.29	20.47
14	4.78	5.28	5.78	17.50	13.04	11.87	19.99	14.52	11.14	4.57	5.11	18.95
15	4.60	5.02	5.67	17.60	11.84	12.30	22.94	14.80	9.55	4.52	5.35	15.64
16	4.52	4.95	5.67	17.15	11.56	11.71	24.22	13.70	9.08	4.66	7.22	11.81
17	4.69	5.01	5.78	16.60	13.14	10.82	25.90	11.75	8.46	4.77	7.92	9.24
18	5.06	4.88	5.68	16.10	15.03	9.76	27.77	9.89	7.86	5.03	7.26	7.90
19	5.35	4.70	5.54		16.35	8.97	27.96	8.79	7.41	4.84	7.08	7.22
20		4.57	8.13	16.20	17.19	8.71	26.70	8.03	7.77	4.64	7.09	6.76
21		4.69	11.75	17.88	17.92	9.67	25.45	7.58	7.95	4.57	7.51	6.41
22	5.31	5.61	12.09	18.52	18.37	11.58	24.36	7.28	7.43	4.62	7.15	6.17
23	4.90	6.64	11.71	19.48	18.53	11.57	23.25	7.33	6.92	4.68	6.65	5.98
24	4.66	7.14	11.23	19.85	18.54	11.51	21.90	10.02	6.52	5.02	6.06	5.77
25	4.42	7.35	10.69	20.40	18.16	11.15	20.45	12.80	6.53	5.41	5.42	5.47
26	4.28	7.34	13.25		17.44	10.96	18.70	13.13	7.28	5.68	4.96	5.31
27	4.20	6.85	17.87	21.42	16.39	14.35	16.46	10.90	7.18	5.69	4.71	5.28
28		7.10	20.08	21.70	14.67	18.00	14.13	9.17	6.91	5.81	4.63	6.03
29		8.85	22.12	21.86	-----	19.33	12.29	8.22	6.34	6.21	4.66	6.73
30	4.00	9.64	24.07	22.00	-----	19.72	10.95	7.60	5.82	6.22	4.93	7.10
31	4.02	-----	24.82	22.08	-----	19.40	-----	7.24	-----	5.73	5.39	-----
MEAN		5.88	10.53			11.65	18.97	9.90	8.93	5.13	5.94	10.76
MAX		9.64	24.82			19.72	27.96	14.80	14.45	6.22	7.92	20.74
MIN		4.26	5.54			8.71	10.14	7.24	5.82	4.52	4.63	5.28

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.27	6.52	9.84	15.85	17.72	14.71	13.38	10.45	10.92	8.03	13.07	5.75
2	7.70	5.81	10.44	15.21	16.67	12.79	13.27	13.80	11.05	8.53	13.23	5.70
3	7.63	5.34	10.16	14.55	14.83	11.35	13.12	15.48	10.32	8.27	14.59	5.53
4	7.04	5.02	9.42	12.63	12.73	11.08	13.22	16.53	9.28	8.19	15.63	5.42
5	6.24	4.84	8.87	10.48	11.92	13.64	14.37	17.31	8.20	7.88	16.20	5.24
6	5.67	4.74	8.05	9.55	12.47	14.59	15.15	17.99	7.45	7.34	16.50	5.50
7	5.33	4.67	7.76	9.45	12.98	13.69	15.15	18.38	7.92	7.20	16.31	7.18
8	5.10	4.64	9.06	11.32	13.03	12.13	14.63	20.58	9.85	7.17	15.21	7.48
9	4.93	4.62	11.94	17.87	12.74	11.01	14.57	22.34	10.70	7.06	13.80	6.99
10	4.78	4.58	13.34	20.58	12.22	10.22	17.26	22.74	9.91	6.55	12.70	8.27
11	4.67	4.67	13.96	22.18	11.36	9.68	19.77	22.83	10.37	6.66	12.47	8.01
12	4.59	5.18	14.44	22.95	10.67	10.18	19.92	22.80	12.62	9.32	11.45	7.41
13	4.53	5.14	14.77	23.14	10.44	11.04	18.78	22.60	14.13	10.26	9.88	7.38
14	4.48	6.62	12.57	23.11	10.26	13.41	17.13	21.85	14.55	9.42	8.90	8.56
15	4.45	6.41	11.24	23.05	10.38	15.13	19.39	20.30	13.47	8.26	8.42	8.16
16	4.60	6.09	11.02	23.00	11.08	15.70	21.46	17.85	12.59	7.20	7.89	6.99
17	5.11	5.89	11.57	22.92	13.70	17.43	21.91	15.65	11.60	6.58	7.81	6.33
18	5.63	6.81	10.97	22.75	17.79	14.75	21.71	14.40	10.53	6.19	7.89	6.70
19	5.72	9.35	9.92	22.36	19.47	20.57	21.04	13.90	10.31	6.49	7.23	7.00
20	5.38	9.96	9.32	21.55	20.81	21.54	19.78	13.66	11.45	7.25	7.53	7.93
21	5.07	12.31	9.60	20.43	21.82	21.80	17.94	12.76	11.51	7.03	8.83	7.51
22	4.77	12.23	10.14	19.29	22.33	21.63	15.65	11.16	10.34	7.30	9.45	7.25
23	4.80	10.60	10.17	17.69	22.29	21.06	12.74	9.94	9.35	7.88	8.19	8.19
24	4.47	10.05	10.49	19.27	21.83	19.99	10.82	9.18	9.09	8.38	7.90	10.01
25	4.38	9.75	12.13	19.22	20.96	18.43	9.95	8.58	8.35	7.73	7.16	9.95
26	4.32	9.27	13.59	14.34	19.80	17.03	9.35	8.06	7.53	7.34	6.68	9.43
27	4.28	9.72	14.84	16.62	18.48	15.83	8.91	7.74	7.14	7.42	6.42	8.80
28	4.25	9.01	15.72	18.22	16.86	14.89	8.55	7.83	6.79	7.78	6.30	7.96
29	4.28	7.49	16.45	19.00	---	14.11	8.27	7.74	6.92	7.90	6.33	7.03
30	5.76	7.64	17.04	19.00	---	13.66	8.26	8.17	7.49	8.05	6.26	6.43
31	6.86	---	17.76	18.49	---	13.67	---	10.03	---	10.15	5.99	---
MEAN	5.29	7.12	11.40	17.95	15.63	15.19	15.18	14.92	10.06	7.77	10.22	7.34
MAX	7.70	12.31	17.04	23.14	22.33	21.40	21.91	22.83	14.55	10.26	16.50	10.01
MIN	4.25	4.54	7.76	9.45	10.26	9.68	8.26	7.74	6.79	6.19	5.99	5.24

PASCAGOULA RIVER BASIN

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02479130 Black Creek near Brooklyn, Miss.

LOCATION.--Lat 31°03'06", long 89°12'16", in NW¼NE¼ sec.16, T.1 N., R.12 W., St. Stephens meridian, Forrest County, at bridge on U.S. Highway 49, 1.1 miles (1.8 km) southwest of Brooklyn, and 4.5 miles (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.

GAGE.--Water-stage recorder. Datum of gage is 128.14 ft (39.057 m) above mean sea level (Mississippi State Highway Department bench mark).

AVERAGE DISCHARGE.--5 years, 791 ft³/s (22.40 m³/s), 29.76 in/yr (756 mm/yr).

EXTREMES.--Current year: Maximum discharge, 10,200 ft³/s (289 m³/s) Apr. 14 (gage height, 21.05 ft or 6.416 m); minimum, 154 ft³/s (4.36 m³/s), Sept. 5 (gage height, 4.39 ft or 1.338 m).
Period of record: Maximum discharge, 20,500 ft³/s (581 m³/s) Apr. 14, 1974 (gage height, 25.32 ft or 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 or 1.158 m).
Flood of Feb. 18, 1961, reached a stage of 25.70 ft (7.833 m), discharge, 21,500 ft³/s (609 m³/s).

REMARKS.--Records good. Records of chemical analyses for the current year are published in the water-quality section of this report.

REVISIONS.--WRD Miss. 1971: Drainage area.

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	254	816	1100	449	724	422	756	1400	492	914	2440	221
2	238	579	776	416	661	402	676	1170	387	848	2470	201
3	216	422	612	356	631	374	612	904	313	684	2710	174
4	198	301	524	458	860	1270	505	1490	272	523	2410	160
5	189	278	443	449	1080	2040	458	1710	251	415	1820	306
6	186	267	399	419	896	1440	425	1550	251	278	1560	1200
7	181	254	990	356	732	1140	388	2100	920	240	1270	1160
8	178	258	1010	4290	593	948	600	5280	1500	219	1050	982
9	175	262	738	5240	512	736	1690	5770	1580	208	728	566
10	173	256	669	5200	473	551	2270	3990	1250	269	590	579
11	170	385	665	5670	467	579	3000	2590	2000	268	562	429
12	169	764	752	4160	661	840	1720	1560	2190	341	620	335
13	169	619	582	2870	575	954	1220	1340	1420	417	477	593
14	169	515	515	2280	476	1850	4800	1040	980	400	358	451
15	205	492	657	1700	434	1090	7410	1340	736	274	302	282
16	361	396	784	1400	537	2150	3780	1290	677	223	361	237
17	428	634	732	1220	1800	1800	2440	1000	564	211	907	319
18	390	964	772	1030	1950	3950	1770	775	513	449	594	334
19	340	788	638	908	2510	4340	1250	684	514	425	395	265
20	254	1980	653	876	2150	3140	936	537	511	572	293	255
21	205	2490	804	800	1280	2050	828	449	393	359	263	247
22	189	1590	621	744	928	1450	824	390	361	424	257	246
23	183	1080	528	708	768	1140	653	351	492	446	288	325
24	180	828	788	716	904	972	572	323	435	391	266	310
25	178	808	848	1360	508	1090	528	301	525	541	239	251
26	178	812	1010	1860	657	976	480	284	558	392	230	221
27	176	634	894	2020	537	744	437	273	497	317	216	199
28	175	521	788	1760	461	638	399	489	467	427	215	183
29	541	449	672	1320	---	612	399	486	1090	324	250	174
30	1950	836	554	1020	---	828	461	499	460	481	215	780
31	1950	---	489	852	---	844	---	584	---	1480	211	---
TOTAL	10548	21278	22051	53987	25065	41030	42247	43044	22599	13810	24567	11988
MEAN	340	709	711	1741	895	1342	1409	1389	753	445	792	399
MAX	1950	2490	1100	5240	2510	4350	7410	5280	2190	1400	2710	1200
MIN	169	254	392	356	434	374	384	273	251	208	211	160
CFSM	.94	1.95	1.97	4.82	2.42	3.72	3.90	3.85	2.09	1.23	2.20	1.11
T.	1.09	2.14	2.27	5.55	2.58	4.29	4.35	4.44	2.33	1.42	2.53	1.24

CAL YR 1974 TOTAL 331298 MEAN 908 MAX 18300 MIN 163 CFSM 2.52 IN 34.14
WTR YR 1975 TOTAL 332851 MEAN 911 MAX 7410 MIN 160 CFSM 2.53 IN 34.30

PEAK DISCHARGE (BASE, 3,500 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
01-09	0200	17.86	6,470	04-14	2330	21.05	10,200
03-18	1730	14.94	4,700	05-08	1100	17.84	6,460
04-11	0030	13.23	3,780	08-01	1830	13.59	3,960

PASCAGOULA RIVER BASIN

02479155 Cypress Creek near Janice, Miss.
(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, on right bank at downstream side of bridge on State Highway 29, 1.2 miles (1.9 km) east of Janice, and 5.5 miles (8.8 km) upstream from mouth.

DRAINAGE AREA.--52.2 mi² (135 km²).

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

GAGE.--Water-stage recorder. Altitude of gage is 110 ft or 34 m (from topographic map).

AVERAGE DISCHARGE.--9 years, 90.9 ft³/s (2.574 m³/s), 23.65 in/yr (601 mm/yr).

EXTREMES.--Current year: Maximum discharge, 4,130 ft³/s (117 m³/s) Apr. 14 (gage height, 22.38 ft or 6.821 m); minimum, 11 ft³/s (0.31 m³/s), Oct. 5-14; minimum gage height, 5.74 ft or 1.750 m part of each day Oct. 9-13. Period of record: Maximum discharge, 7,720 ft³/s (219 m³/s) Apr. 13, 1969 (gage height, 26.01 ft or 7.928 m); minimum, 4.5 ft³/s (0.13 m³/s) Sept. 2, 3, 1968. Flood of June 1, 1959, reached a stage of 32.06 ft or 9.772 m (discharge, 22,800 ft³/s or 646 m³/s).

REMARKS.--Records good. Records of chemical analyses for the current year are published in the water-quality section of this report.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13	21	163	46	57	59	94	272	64	80	597	24
2	12	18	78	41	55	55	85	143	45	108	437	20
3	12	16	55	48	58	49	127	112	37	85	203	18
4	12	16	46	88	71	321	85	283	32	49	281	17
5	12	17	40	74	80	453	63	235	30	34	371	26
6	11	18	42	51	63	175	55	268	32	28	535	29
7	11	17	266	54	51	116	50	597	157	24	208	66
8	11	17	218	1,860	46	94	148	2,610	283	23	158	56
9	11	18	86	1,220	46	74	437	652	197	26	88	43
10	11	17	61	620	46	68	1,160	265	74	37	89	129
11	11	50	65	879	47	105	1,050	173	317	46	126	81
12	11	67	106	331	78	208	302	132	357	109	65	41
13	11	34	73	224	77	268	172	119	176	48	48	47
14	11	25	54	155	52	746	1,750	111	81	62	40	32
15	16	33	137	127	46	247	1,590	248	63	48	40	23
16	56	29	151	111	108	647	358	217	73	31	38	21
17	34	62	75	99	1,250	398	229	127	48	25	247	40
18	20	176	55	92	433	1,130	182	93	37	24	83	85
19	16	84	49	89	206	636	152	73	43	63	48	40
20	14	278	85	104	137	232	126	63	44	60	41	26
21	13	256	115	80	101	163	130	57	42	29	36	21
22	13	88	66	70	93	137	130	51	32	28	34	33
23	13	55	65	69	182	120	105	47	43	49	37	115
24	13	43	245	81	238	111	95	42	39	30	37	95
25	13	85	170	176	115	109	88	40	41	23	33	44
26	13	101	152	154	84	80	79	37	29	25	27	29
27	12	58	93	88	71	69	71	35	27	29	23	24
28	12	44	72	71	64	71	66	44	98	30	21	21
29	13	38	64	65	-----	72	75	73	132	28	21	20
30	32	123	56	63	-----	200	104	126	65	53	22	95
31	31	-----	49	61	-----	166	-----	105	-----	448	23	-----
TOTAL	494	1,904	3,052	7,291	3,955	7,379	9,158	7,450	2,738	1,782	4,057	1,361
MEAN	15.9	63.5	98.5	235	141	238	305	240	91.3	57.5	131	45.4
MAX	56	278	266	1,860	1,250	1,130	1,750	2,610	357	448	597	129
MIN	11	16	40	41	46	49	50	35	27	23	21	17
CFSM	.30	1.22	1.99	4.50	2.70	4.56	5.84	4.60	1.75	1.10	2.51	.87
IN.	.35	1.36	2.17	5.20	2.82	5.26	6.53	5.31	1.95	1.27	2.89	.97
CAL YR 1974	TOTAL 42,798	MEAN 117	MAX 2,760	MIN 11	CFSM 2.24	IN 30.50						
WTR YR 1975	TOTAL 50,621	MEAN 139	MAX 2,610	MIN 11	CFSM 2.66	IN 36.07						

PEAK DISCHARGE (BASE, 1,200 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
01-08	2030	20.34	2,970	04-10	2200	15.83	1,700
02-17	1430	15.06	1,560	04-14	2330	22.38	4,130
03-18	1830	14.78	1,500	05-08	0900	21.70	3,720

PASCAGOULA RIVER BASIN

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02479160 Black Creek near Wiggins, Miss.

LOCATION.--Lat 30°51'12", long 88°54'49", in SW¼ sec.20, T.2 S., R.9 W., St. Stephens meridian, Stone County, on left bank on downstream side of bridge on State Highway 26, 1.7 miles (2.7 km) downstream from Flat Branch, 8.6 miles (13.8 km) upstream from Sweetwater Creek, and 13.4 miles (21.6 km) east of Wiggins.

DRAINAGE AREA.--730 mi² (1,890 km²), approximately.

PERIOD OF RECORD.--Occasional discharge measurements 1956, 1957, 1959, 1960. October 1971 to current year.

GAGE.--Water-stage recorder. Datum of gage is 48.89 ft (14.902 m) above mean sea level.

EXTREMES.--Current year: Maximum discharge, 12,500 ft³/s (354 m³/s) Apr. 16 (gage height, 22.98 ft or 7.004 m); minimum, 368 ft³/s (10.4 m³/s) Oct. 14, 15 (gage height, 4.84 ft or 1.475 m).

Period of record: Maximum discharge, 25,000 ft³/s (708 m³/s) Apr. 15, 1974 (gage height, 25.55 ft or 7.788 m); minimum, 164 ft³/s (4.64 m³/s) Oct. 19, 20, 1972 (gage height, 3.80 ft or 1.158 m).

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 or 7.873 m (from floodmarks); discharge, about 26,000 ft³/s (736 m³/s), based on peak data at sites upstream and downstream.

REMARKS.--Records good except those for period of no gage height record, which are poor.

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	511	1740	1850	875	1300	948	1720	2490	820	1130	4070	489
2	490	894	1560	822	1190	900	1480	2540	700	1750	5610	474
3	455	724	1090	725	1140	854	1430	1800	600	1430	6940	438
4	435	591	909	878	1150	1210	1310	2200	560	1220	5190	402
5	416	504	893	964	1570	3820	1090	3100	530	918	5240	400
6	405	477	729	855	1600	3750	997	2900	520	730	5650	949
7	397	454	1150	800	1300	2240	934	4000	1900	592	4190	2320
8	391	440	2100	2950	1120	1740	946	10000	2700	531	2700	2240
9	384	441	1520	7800	1010	1470	2750	9000	2910	499	1980	1680
10	379	444	1130	10000	943	1230	5990	6000	2150	484	1640	1420
11	375	432	1000	10500	909	1100	8580	3700	2830	547	1590	1430
12	373	305	1140	10300	940	1600	8540	2900	4850	641	1290	933
13	371	925	1170	4620	1180	1620	5000	2500	4680	683	1130	939
14	370	761	455	7150	997	3920	3300	2100	2310	646	939	1120
15	372	695	1110	4100	892	4510	8390	2300	1520	669	831	772
16	550	679	1600	2740	1140	3530	11900	2000	1330	526	751	603
17	486	623	1300	2270	2540	5240	11300	1700	1190	467	1240	563
18	456	1750	1140	1950	4530	5300	8000	1500	1000	537	1550	970
19	597	1730	1040	1770	3290	7740	3850	1350	921	700	998	862
20	540	1520	1030	1700	3300	8660	2280	1200	964	899	834	622
21	461	3540	1390	1550	2600	7250	1860	1140	1030	862	715	555
22	412	3330	1270	1420	1720	4110	1910	980	831	627	638	568
23	394	1790	1040	1340	1480	2900	1650	900	809	709	616	868
24	385	1250	1570	1320	1790	2070	1420	820	933	760	706	1120
25	381	1100	1630	1540	1570	1900	1290	760	884	712	622	784
26	380	1320	1700	2450	1350	1850	1180	700	992	1000	555	605
27	377	1130	1570	2510	1160	1540	1090	620	1110	730	516	526
28	375	905	1320	2420	1030	1410	992	1000	1130	672	486	482
29	375	745	1130	2120	---	1370	1030	970	1770	769	489	456
30	1160	947	1070	1720	---	2030	1230	940	1490	853	552	496
31	3000	---	951	1450	---	2440	---	1050	---	2220	509	---
TOTAL	16863	32341	34133	95840	44749	90242	103529	75760	45964	25553	60767	26086
MEAN	543	1094	1263	3188	1599	2911	3450	2443	1532	824	1960	869
MAX	3000	3540	2100	10500	4530	8650	11900	10000	4850	2220	6940	2320
MIN	370	440	729	725	892	854	934	620	520	467	486	400
CFSM	.76	1.51	1.73	4.37	2.19	3.99	4.73	3.35	2.10	1.13	2.69	1.19
FE	.86	1.67	2.00	2.04	2.22	4.50	5.28	3.46	2.34	1.30	3.10	1.33

CAL YR 1974 TOTAL 532545 MEAN 1733 MAX 21000 MIN 370 CFSM 2.37 IN 32.23
 CFSM 2.42 IN 33.65

PEAK DISCHARGE (BASE, 7,000 CFS)

NOTE.--No gage height record
 May 3 to June 8.

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
01-11	1630	21.87	10,600	04-16	1630	22.98	12,500
03-20	1200	20.10	8,800	†	Unknown	21.65	10,400
04-12	0330	20.37	9,070	08-03	0630	18.46	7,310

† Probably occurred May 8.

‡ From floodmark.

PASCAGOULA RIVER BASIN

02479300 Red Creek at Vestry, Miss.

LOCATION.--Lat 30°44'10", long 88°46'50", in SW¼SW¼ sec.34, T.3 S., R.8 W., St. Stephens meridian, George County, near center of channel on downstream side of bridge on county highway, 0.5 mile (0.8 km) north of Vestry, and 1.1 miles (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.

AVERAGE DISCHARGE.--17 years, 839 ft³/s (23.76 m³/s), 27.39 in/yr (696 mm/yr).

EXTREMES.--Current year: Maximum discharge, 7,020 ft³/s (199 m³/s) May 10 (gage height, 14.74 ft or 4.493 m); minimum, 236 ft³/s (6.68 m³/s) Oct. 24, 25 (gage height, 4.68 ft or 1.426 m).
Period of record: Maximum discharge, 21,500 ft³/s (609 m³/s) Dec. 32, 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 or 0.981 m).

REMARKS.--Records good.

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	374	292	1150	525	540	434	1920	2270	755	1370	4030	570
2	357	277	947	489	522	411	1090	3000	604	1180	3650	470
3	334	273	763	462	507	340	830	2690	490	1170	4860	404
4	317	273	614	502	547	477	741	1740	420	2040	6710	373
5	306	269	499	565	726	1230	675	2070	384	1630	5220	469
6	302	272	441	534	735	1710	591	2470	458	1100	3760	813
7	280	272	680	486	672	1240	526	2460	705	821	3720	1450
8	269	272	1100	1370	544	965	515	3810	830	604	4140	2740
9	262	271	1010	2600	479	740	985	5310	964	527	3380	3870
10	257	272	791	3600	455	549	2210	6790	1000	479	2360	3370
11	253	292	627	4540	450	552	4010	5340	2750	486	2050	1910
12	251	380	576	4650	477	701	6130	3550	4270	736	1380	1540
13	250	407	626	4480	525	636	6040	1770	4800	567	1040	1310
14	245	385	590	3480	511	958	3490	1240	3210	451	977	993
15	243	358	919	2060	493	1620	3390	1570	1470	411	1330	824
16	250	337	1450	1270	1360	1870	3490	2050	947	394	935	700
17	277	339	1130	1030	1520	2570	4910	1530	748	375	907	629
18	357	632	747	914	1400	3110	5450	1110	690	429	924	717
19	333	892	636	840	1300	3400	3370	921	608	565	725	944
20	293	797	703	791	1020	3970	1480	769	561	735	612	678
21	269	957	1060	762	772	3050	1110	684	620	686	654	562
22	253	1080	959	732	634	2340	1360	524	612	559	551	559
23	244	864	780	692	612	1230	1200	574	638	473	574	967
24	239	685	1070	673	679	976	973	532	658	651	798	1140
25	246	538	1220	672	758	854	830	429	753	576	698	845
26	256	592	1040	813	617	754	745	472	746	908	536	633
27	255	614	958	864	522	678	671	449	1040	1380	496	529
28	252	529	816	784	468	619	509	474	1070	1290	463	474
29	253	450	704	656	---	576	685	508	1090	1030	472	441
30	260	627	627	607	---	713	1320	752	1200	1190	634	428
31	281	---	570	569	---	1740	---	848	---	2480	618	---
TOTAL	8619	14492	25893	43050	19845	42173	52247	50636	35214	27333	59268	31392
MEAN	279	483	824	1382	708	1360	2074	1923	1173	841	1911	1046
MAX	374	1080	1450	4650	1520	3970	6130	6790	4800	2480	6710	3870
MIN	239	269	441	462	450	340	515	449	384	375	463	373
CFSM	.67	1.16	2.01	3.34	1.70	3.27	4.99	4.62	2.92	2.12	4.60	2.52
IN.	.77	1.30	2.31	3.85	1.77	3.77	5.57	5.43	3.15	2.44	5.30	2.41

CAL YR 1974 TOTAL 394709 MEAN 1041 MAX 9450 MIN 206 CFSM 2.60 IN 35.30
WTR YR 1975 TOTAL 429163 MEAN 1175 MAX 6790 MIN 239 CFSM 2.83 IN 38.38

PEAK DISCHARGE (BASE, 4,000 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
01-11	2130	13.97	4,710	05-10	1200	14.74	7,020
03-20	2230	13.78	4,190	06-13	0800	14.06	4,980
04-12	2130	14.68	6,840	08-04	1030	14.73	6,990
04-18	0700	14.29	5,670	09-09	2130	13.74	4,100

02479560 Escatawpa River near Agricola, Miss.

LOCATION.--Lat 30°48'32", long 88°27'41", in SW $\frac{1}{4}$ sec. 2, T. 3 S., R. 5 W., George County, Miss., on downstream side of bridge on county road 612, 6.7 mi (10.8 km) west of Wilmer, Ala., 2.5 mi (4.0 km) west of Alabama-Mississippi State line, 4.8 mi (7.7 km) below old gage at Escatawpa River near Wilmer, Ala.

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.

EXTREMES.--Current year: Maximum discharge, 10,900 ft³/s (309 m³/s) Apr. 12 (gage height, 18.06 ft or 5.505 m); minimum, 191 ft³/s (5.41 m³/s) Oct. 28 (gage height, 2.61 ft or 0.796 m).

Period of record: Maximum discharge, 10,900 ft³/s (309 m³/s) Apr. 12, 1975 (gage height, 18.06 ft or 5.505 m); minimum, 163 ft³/s (4.62 m³/s) July 2, 1974 (gage height, 2.40 ft or 0.732 m).

REMARKS.--Records good.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	293	521	1,640	914	845	1,030	1,690	2,410	1,940	640	8,480	857
2	260	413	1,690	752	887	920	1,390	2,160	1,680	560	9,480	893
3	262	339	1,500	648	761	806	1,180	1,590	1,290	500	8,420	666
4	248	319	1,300	677	1,390	1,020	1,140	2,210	971	1,500	6,600	603
5	241	323	1,210	731	4,190	2,230	1,040	2,410	749	1,000	5,110	722
6	233	347	1,070	743	3,940	2,290	863	2,470	608	760	3,980	737
7	225	325	1,250	761	2,300	1,860	749	2,680	1,060	520	3,340	2,440
8	219	295	1,880	2,240	1,560	1,550	743	5,080	2,250	460	3,590	3,280
9	211	281	1,590	3,870	1,210	1,310	1,360	7,820	1,980	400	3,090	2,350
10	205	269	1,270	5,040	1,050	1,110	3,170	8,000	1,390	500	2,440	2,290
11	199	317	1,060	5,820	968	1,010	8,280	7,720	2,160	440	2,740	1,960
12	199	528	980	6,330	1,150	911	10,700	6,080	3,590	440	2,440	1,630
13	197	446	926	6,580	1,270	1,030	9,820	3,660	3,130	980	2,130	1,670
14	193	379	845	5,830	1,110	1,490	8,100	2,660	1,850	700	2,030	1,500
15	200	357	1,100	4,070	932	1,970	6,060	2,650	1,200	600	1,890	1,600
16	307	353	1,940	2,520	2,150	2,950	4,840	3,650	1,010	500	1,390	1,450
17	359	379	2,070	1,950	2,150	3,720	5,110	3,610	908	480	1,060	1,270
18	313	857	1,570	1,620	2,470	5,210	5,850	2,460	767	440	893	1,150
19	260	752	1,190	1,410	3,780	6,220	5,060	1,840	663	420	1,070	953
20	228	833	1,190	1,270	5,600	6,420	2,470	1,460	608	400	1,260	776
21	211	1,360	1,390	1,220	6,260	5,880	1,750	1,210	601	960	1,980	719
22	202	1,410	1,240	1,130	4,580	4,570	1,480	1,000	658	780	2,170	1,060
23	202	1,440	1,080	1,070	2,440	2,750	1,200	833	941	700	1,340	2,260
24	200	1,350	1,210	1,150	2,120	1,960	1,040	716	1,090	660	1,010	3,000
25	197	1,300	1,480	1,170	1,890	1,560	935	641	1,340	851	809	2,580
26	197	1,260	1,680	1,200	1,630	1,300	845	586	1,050	1,330	707	1,980
27	193	1,040	1,620	1,170	1,360	1,180	764	546	720	1,360	638	1,550
28	191	854	1,600	1,100	1,170	1,080	692	1,140	1,300	1,270	628	1,290
29	200	689	1,440	1,020	-----	965	641	953	1,000	980	707	1,070
30	860	860	1,250	935	-----	1,340	1,020	1,180	700	1,420	749	1,000
31	725	-----	1,090	881	-----	2,040	-----	1,780	-----	4,230	761	-----
TOTAL	8,230	20,196	42,351	65,822	61,213	69,682	89,982	83,205	39,204	26,781	82,932	45,306
MEAN	265	673	1,366	2,123	2,186	2,248	2,999	2,684	1,307	864	2,675	1,510
MAX	860	1,440	2,070	6,580	6,260	6,420	10,700	8,000	3,590	4,230	9,480	3,280
MIN	191	269	845	648	761	806	641	546	601	400	628	603
CFSM	.48	1.21	2.46	3.82	3.93	4.04	5.39	4.83	2.35	1.55	4.81	2.72
IN.	.55	1.35	2.83	4.40	4.10	4.66	6.02	5.57	2.62	1.79	5.55	3.03

CAL YR 1974 TOTAL 451,588 MEAN 1,237 MAX 10,300 MIN 191 CFSM 2.22 IN 30.21
WTR YR 1975 TOTAL 634,904 MEAN 1,739 MAX 10,700 MIN 191 CFSM 3.13 IN 42.48

PEAK DISCHARGE (BASE, 5,000 CFS)

DATE	TIME	G.HT.	DISCHARGE	DATE	TIME	G.HT.	DISCHARGE
1-13	0800	15.93	6,670	4-18	1400	15.52	6,010
2-21	0600	15.82	6,480	5-10	0100	16.67	8,140
3-20	0600	15.83	6,490	8-02	0100	17.45	9,700
4-12	1100	18.06	10,900				

PASCAGOULA RIVER BASIN

02480250 Bluff Creek near Vancleave, Miss.

LOCATION.--Lat 30°32'52", long 88°42'56", in SE¼ sec.6, T.6 S., R.7 W., St. Stephens meridian, Jackson County, on right bank of stream, 0.1 mile (0.2 km) upstream from home of Grace Retreat, 2.1 miles (3.4 km) northwest of Vancleave.

DRAINAGE AREA.--52 mi² (135 km²).

PERIOD OF RECORD.--June 1974 to current year. Occasional discharge measurements, water years, 1953, 1955, 1958-61, 1963.

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.

EXTREMES.--June to September 1974: Maximum discharge during period, 2,180 ft³/s (61.7 m³/s) Sept. 8 (gage height, 15.72 ft or 4.791 m); minimum, 16 ft³/s (0.45 m³/s) July 22, 23 (gage height, 4.28 ft or 1.305 m).
Water year 1975: Maximum discharge, 4,160 ft³/s (118 m³/s) July 31 (gage height, 20.71 ft or 6.312 m); minimum daily discharge, 22 ft³/s (0.62 m³/s) Oct. 28-Nov. 4.

REMARKS.--Records good except those for periods of no gage-height record, which are poor.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1									45	27	40	42
2									60	27	33	61
3									80	26	44	175
4									60	25	56	279
5									49	40	517	96
6									46	135	428	61
7									44	96	232	324
8									40	56	255	1870
9									37	38	176	1280
10									55	32	94	599
11									56	28	65	294
12									43	26	58	167
13									38	26	59	123
14									37	26	92	99
15									36	24	206	84
16									34	23	120	76
17									31	22	97	68
18									47	22	264	60
19									99	22	169	54
20									188	21	117	49
21									92	26	67	47
22									48	22	52	141
23									37	18	45	196
24									83	52	40	91
25									235	72	37	75
26									83	43	37	61
27									48	43	38	52
28									37	74	38	51
29									32	58	35	47
30									29	35	34	50
31									---	29	38	---
TOTAL									1849	1214	3583	6672
MEAN									61.6	39.1	115	222
MAX									235	135	517	1870
MIN									29	18	33	42
CFSM									1.19	.75	2.22	4.28
IN.									1.32	.87	2.56	4.77

PEAK DISCHARGE (BASE, 1,300 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
9-08	1600	15.72	2,180				

PASCAGOULA RIVER BASIN

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02480250 Bluff Creek near Vancleave, Miss.--Continued

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	39	22	261	58	58	54	117	192	183	113	2260	113
2	38	22	158	52	57	52	85	222	104	91	829	77
3	35	22	89	50	55	49	72	109	75	75	846	61
4	33	22	67	57	70	82	61	207	68	192	434	54
5	32	23	56	73	90	229	54	245	51	177	289	63
6	32	27	51	63	80	180	50	147	46	97	244	143
7	30	29	92	75	70	102	47	161	100	145	241	949
8	29	30	178	703	60	84	60	654	243	128	201	478
9	29	29	123	655	52	70	191	789	154	74	245	184
10	28	27	80	271	49	63	389	289	106	60	240	146
11	27	35	65	358	48	60	1110	163	183	51	695	420
12	27	48	63	309	58	63	401	130	540	47	292	456
13	27	40	61	175	64	77	175	225	498	44	155	921
14	26	33	54	133	58	83	454	151	238	61	114	454
15	27	31	193	106	54	80	1190	555	124	74	108	195
16	29	30	389	91	250	139	414	573	96	56	95	136
17	29	42	185	81	200	211	201	257	76	103	74	127
18	29	74	107	75	170	614	140	148	61	109	61	131
19	28	62	85	71	130	942	117	104	52	126	81	103
20	27	81	150	68	100	316	98	82	48	107	111	81
21	26	141	302	62	75	168	239	68	44	77	309	71
22	25	96	191	58	65	126	471	57	48	98	533	108
23	25	55	121	67	60	113	219	50	64	416	263	375
24	24	44	161	93	75	103	132	46	63	167	546	299
25	23	59	196	100	75	92	105	43	57	94	248	142
26	23	88	123	90	68	77	86	40	48	111	120	99
27	23	74	97	90	63	67	71	38	47	118	94	82
28	22	53	83	80	57	63	59	39	142	208	79	72
29	22	44	75	70	---	62	54	45	81	339	97	65
30	22	104	67	66	---	86	61	126	153	233	160	62
31	22	---	61	62	---	178	---	262	---	2950	172	---
TOTAL	858	1487	3984	4362	2311	4685	6923	6217	3793	6741	10236	6667
MEAN	27.6	49.5	128	140	82.5	151	230	200	126	217	330	222
MAX	39	141	389	703	250	942	1190	789	540	2950	2260	949
MTN	22	22	51	50	48	49	47	38	44	44	61	54
CFSM	.53	.95	2.47	2.71	1.59	2.31	4.44	3.86	2.43	4.18	6.35	4.27
IN.	.61	1.06	2.85	3.12	1.65	3.35	4.95	4.45	2.71	4.82	7.32	4.77

WTR YR 1975 TOTAL 58264 MEAN 159 MAX 2950 MIN 22 CFSM 3.07 IN 41.68

PEAK DISCHARGE (BASE, 1,300 CFS)

NOTE:--No gage-height record
Jan. 24 to Feb. 26.

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
04-11	0915	12.90	1,480	07-31	1900	20.71	4,160
04-15	0800	13.42	1,600	09-07	1330	12.20	1,300

BILOXI RIVER BASIN

02481000 Biloxi River at Wortham, Miss.

LOCATION.--Lat 30°33'30", long 89°07'20", in SE¼SE¼ sec.31, T.5 S., R.11 W., St. Stephens meridian, Harrison County, on downstream side of right main pier of upstream bridge of dual bridges on U.S. Highway 49, 0.8 mile (1.3 km) east of Wortham, 1 mile (1.6 km) downstream from Illinois Central Railroad bridge, 1 mile (1.6 km) upstream from Saucier Creek, and 4.2 miles (6.8 km) north of Lyman.

DRAINAGE AREA.--96.1 mi² (248.9 km²).

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

GAGE.--Water-stage recorder. Datum of gage is 21.18 ft (6.456 m) above mean sea level (levels by Mississippi State Highway Department).

AVERAGE DISCHARGE.--23 years, 182 ft³/s (5.154 m³/s), 25.72 in/yr (653 mm/yr).

EXTREMES.--Current year: Maximum discharge, 3,600 ft³/s (102 m³/s) June 11 (gage height, 12.97 ft or 3.953 m); minimum daily discharge, 9.0 ft³/s (0.255 m³/s) Oct. 13, 14.
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).

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 mile (1.6 km) upstream, from information by local residents.

REMARKS.--Records good except those for periods of no gage-height record, which are fair. Records of chemical analyses for the current year are published in the water-quality section of this report.

REVISIONS.--WRD Miss. 1972: Drainage area.

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	40	18	42	103	74	71	177	1610	161	251	1500	48
2	30	18	21	54	71	66	111	1180	88	155	1840	44
3	40	14	10	43	70	59	95	554	54	167	1640	36
4	17	14	35	142	82	224	78	559	37	740	567	30
5	14	14	74	152	230	253	64	445	29	393	302	46
6	12	14	54	112	139	331	60	308	24	177	328	90
7	11	17	425	100	90	131	55	554	27	114	781	120
8	11	18	201	574	71	140	110	2290	61	86	1270	130
9	11	14	210	576	23	115	300	1550	133	67	750	190
10	10	14	141	727	61	75	500	844	100	53	636	250
11	34	23	115	1010	60	152	1490	375	2440	45	370	220
12	34	54	154	745	64	135	1200	238	1950	61	233	260
13	34	54	124	522	72	122	1000	252	1090	52	163	360
14	34	44	154	356	94	219	2000	260	382	37	161	250
15	14	24	541	251	93	149	1700	485	209	31	442	190
16	17	28	424	150	991	484	700	568	176	29	243	110
17	16	64	270	170	516	571	304	277	120	32	136	84
18	16	24	155	150	356	614	214	172	87	33	117	66
19	16	156	131	154	233	752	173	125	67	33	109	58
20	14	411	445	127	125	570	140	99	53	26	225	48
21	14	414	575	112	124	274	432	84	42	22	136	44
22	12	174	244	101	124	138	453	72	39	56	246	70
23	12	44	244	100	137	134	393	62	57	89	318	100
24	11	87	253	110	225	147	205	51	54	36	400	120
25	11	74	273	123	151	134	153	43	85	40	184	75
26	11	124	273	124	105	100	123	37	64	350	108	59
27	10	105	254	104	57	51	75	34	74	346	88	45
28	11	71	155	54	74	75	81	50	141	156	70	40
29	12	54	164	57	---	72	109	64	93	100	60	38
30	12	384	141	50	---	145	770	147	120	227	54	94
31	14	---	114	74	---	243	---	263	---	1750	51	---
TOTAL	4444	2472	7275	1774	4500	7554	13763	13779	8116	5754	13529	3315
MEAN	14.0	78.7	235	570	124	245	458	444	270	185	436	110
MAX	40	44	541	1010	991	752	2000	2290	2440	1750	1840	360
MIN	10	14	74	50	23	59	55	34	24	22	51	30
COEFF	1.1	1.6	2.6	2.5	1.7	2.7	4.7	4.6	2.8	1.9	4.5	1.15
SD	1.7	1.1	4.5	3.0	1.6	2.5	5.3	5.3	3.1	2.2	5.2	1.28
COEFF OF VARIATION	1.74	1.14	4.74	3.04	1.64	2.54	5.34	5.34	3.14	2.24	5.24	1.28
COEFF OF SKURTOSIS	1.74	1.14	4.74	3.04	1.64	2.54	5.34	5.34	3.14	2.24	5.24	1.28

PEAK DISCHARGE (BASE, 2,000 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
04-15	Unknown†	10.05	2,430	06-11	1515	12.97	3,600
05-08	1345	10.95	2,790	07-31	1730	11.82	3,140

†From floodmark.

NOTE.--No gage-height record Aug. 27 to Sept. 30.

02481510 Wolf River near Landon, Miss.

LOCATION.--Lat 30°29'00", long 89°16'28", in NE¼ sec.34, T.6 S., R.13 W., St. Stephens meridian, Harrison County, on left bank at downstream side of bridge on county highway, 0.3 mile (0.5 km) downstream from Sandy Creek, 1.3 miles (2.1 km) upstream from Pole Branch, and 11 miles (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.

EXTREMES.--Current year: Maximum recorded discharge, 8,570 ft³/s (243 m³/s) Aug. 2 (gage height, 12.97 ft or 3.953 m) but may have been greater during period of no gage-height record; minimum, 85 ft³/s (2.41 m³/s) Oct. 28, 29 (gage height, 1.38 ft or 0.421 m).

Period of record: Maximum discharge, about 13,200 ft³/s (374 m³/s) Mar. 24 or 25, 1973 (gage height, 16.5 ft or 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.

Flood of April 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.

REMARKS.--Records good except those for period of no gage-height record which are poor.

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	105	97	853	304	302	204	1010	2500	675	696	5940	485
2	100	97	667	282	291	195	650	5000	388	471	8250	340
3	100	95	442	273	275	182	489	3000	266	458	4360	269
4	98	95	342	358	315	382	413	4000	209	771	2530	232
5	96	97	284	400	400	1390	357	2500	185	912	3300	238
6	96	101	260	308	408	1160	307	2200	172	685	3320	347
7	95	102	758	229	312	742	270	3000	209	354	3330	2830
8	94	104	1030	3750	253	537	278	8000	440	259	3180	2680
9	96	106	739	7330	223	403	1200	5000	675	259	2050	1320
10	96	102	485	5070	212	312	2440	1500	602	226	1590	1150
11	94	135	409	5940	212	285	4850	800	3120	206	1290	1930
12	93	182	475	5530	238	278	3070	600	3550	315	1030	1410
13	92	177	496	3630	298	418	1870	500	2170	256	972	2400
14	92	165	405	2440	278	802	2000	400	1300	298	924	1140
15	91	144	1030	1630	319	1240	3610	500	816	285	1570	607
16	90	137	1220	1170	1060	1470	4160	900	612	241	1600	514
17	110	333	774	878	793	1830	2750	700	533	571	1020	592
18	170	706	531	680	1060	2260	1550	500	396	392	633	581
19	133	623	412	571	773	3190	924	400	315	445	618	436
20	112	1210	781	504	505	2180	684	340	266	288	612	354
21	101	1070	1020	485	379	1460	866	300	232	592	509	305
22	93	791	746	436	342	1020	1420	280	262	428	586	291
23	90	507	543	404	347	746	1010	270	408	420	996	396
24	97	326	856	352	450	597	644	260	381	562	1210	436
25	92	320	722	476	414	507	483	255	322	312	680	333
26	88	455	655	722	306	422	398	250	272	1020	445	275
27	86	392	614	628	252	357	350	245	412	2090	412	247
28	86	290	488	476	221	318	320	240	291	1120	329	229
29	88	241	411	412	---	308	290	354	377	861	366	218
30	92	552	367	354	---	774	300	454	738	900	760	212
31	95	---	330	322	---	1790	---	816	---	3450	696	---
TOTAL	3061	9752	19135	48384	11238	27749	38963	45064	20594	20143	55108	22797
MEAN	98.7	325	617	1560	401	895	1298	1485	686	649	1777	759
MAX	170	1210	1220	7330	1060	3190	4850	8000	3550	3450	8250	2830
MIN	86	95	260	229	212	182	270	240	172	206	329	212
CFSM	.32	1.06	2.00	5.07	1.30	2.91	4.22	4.82	2.23	2.11	5.77	2.47
IN.	.37	1.18	2.31	5.84	1.36	3.35	4.71	5.56	2.49	2.43	6.66	2.75

CAL YR 1974 TOTAL 296025 MEAN 811 MAX 7700 MIN 86 CFSM 2.63 IN 35.75
WTR YR 1975 TOTAL 322988 MEAN 884 MAX 8250 MIN 86 CFSM 2.87 IN 39.01

PEAK DISCHARGE (BASE, 4,000 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
01-09	0730	12.19	7,710	05-08	Unknown	Unknown	About 8,500
01-11	0800	11.74	7,240	06-12	0530	8.17	4,040
04-11	1130	9.11	5,100	08-02	1630	12.97	8,570
04-16	1500	8.54	4,600				

NOTE.--No gage-height record
Apr. 27 to May 29.

PEARL RIVER BASIN

02482000 Pearl River at Edinburg, Miss.

LOCATION.--Lat 32°47'55", long 89°21'10", in SW¼SW¼ sec.13, T.11 N., R.9 E., Choctaw meridian, Leake County, 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 miles (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. Gage-height records collected in same vicinity since 1908 are contained in reports of National Weather Service.

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.

AVERAGE DISCHARGE.--47 years, 1,095 ft³/s (31.01 m³/s), 16.56 in/yr (421 mm/yr).

EXTREMES.--Current year: Maximum discharge, 14,100 ft³/s (399 m³/s) Jan. 13 (gage height, 24.94 ft or 7.602 m); minimum discharge 65 ft³/s (1.84 m³/s) Oct. 15; minimum gage height, 2.71 ft (0.826 m) July 7.

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 or 0.311 m).

The flood in March 1902 reached a stage of 29.0 ft (8.84 m), from reports of National Weather Service.

REMARKS.--Records good. See following pages for tables of mean daily gage height for water years 1972-75.

REVISIONS (WATER YEARS).--WSP 1504: 1929-30, 1933.

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	321	80	766	5010	1850	1700	2470	1570	556	110	3300	168
2	440	77	868	4650	1820	1470	2050	1780	505	99	3600	150
3	508	74	812	4160	1910	1300	1730	1840	433	94	4190	131
4	529	75	767	3740	2660	1150	1570	2180	354	88	4080	118
5	498	94	743	3260	2870	953	1400	2560	284	84	3760	107
6	404	103	747	2800	3120	793	1270	3110	243	80	4180	113
7	253	96	1570	2260	2930	648	1150	3320	243	80	4540	139
8	155	93	1750	2230	2980	543	982	3310	211	636	4530	115
9	114	95	1990	2420	3200	520	1360	3220	255	294	4060	109
10	95	98	1950	2970	3080	624	2320	3660	420	180	3380	104
11	82	130	1710	4100	2690	815	2830	3610	1370	213	2770	95
12	75	157	1670	5180	2270	835	3360	3490	1440	350	2210	89
13	71	146	1770	12000	1930	2040	3030	3200	1360	402	1780	84
14	67	139	1490	13000	1650	4210	3420	2800	1230	439	1420	80
15	384	150	1450	10100	1400	4530	4130	2560	1300	500	1230	77
16	569	154	1690	7360	3540	9470	4590	2370	1220	574	1010	75
17	415	211	1440	5750	4190	11400	4740	1980	1130	614	807	79
18	566	371	1210	4670	5480	9320	4930	1660	1050	567	756	94
19	484	405	1020	3770	7530	7340	4850	1380	999	741	934	94
20	404	505	829	3020	8280	6040	4300	1230	873	452	1230	82
21	318	680	662	2340	7420	5070	3500	1220	656	213	1230	76
22	221	654	545	1850	6600	4550	2630	1220	419	169	1160	73
23	154	515	529	1600	5800	4220	1820	1160	278	153	1100	134
24	137	435	2920	1420	5010	4100	1350	1040	225	154	1070	196
25	120	459	3440	1880	4320	3710	1050	840	190	1240	1070	166
26	107	480	4690	2020	3540	3320	767	559	167	1640	853	155
27	97	424	5500	2320	2800	2840	558	370	148	1690	534	158
28	91	364	7070	2050	2090	2620	442	315	130	1600	361	158
29	87	325	7780	1830	---	2770	518	254	118	1450	270	145
30	84	462	6740	1760	---	2910	1240	622	105	1390	223	128
31	83	---	5490	1850	---	2730	---	596	---	1900	190	---
TOTAL	8145	8157	72474	124450	102980	104851	70407	59026	17912	18196	61828	3492
MEAN	262	271	2338	4014	3677	3342	2346	1904	597	586	1994	116
MAX	615	680	7730	13000	8280	11400	4930	3660	1440	1900	4540	196
MIN	67	74	529	1420	1400	520	442	254	105	80	190	73
CFSM	2.29	4.30	2.40	4.47	4.10	3.77	2.61	2.12	.66	.65	2.22	.13
T	.34	.34	3.00	5.16	4.27	4.34	2.92	2.45	.74	.75	2.56	.14

CY 1974 TOTAL 741754 MEAN 2029 MAX 27900 MIN 46 CFSM 2.26 IN 30.69
 X 1975 TOTAL 651922 MEAN 1746 MAX 13000 MIN 57 CFSM 1.99 IN 27.01

PEARL RIVER BASIN

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02482000 Pearl River at Edinburg, Miss.--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1				8.52	11.98	8.79	8.66	7.09	2.89	4.11	3.28	2.20
2				10.95	11.83	11.05	8.15	6.64	2.82	3.48	3.52	2.10
3				11.79	11.28	12.52	7.94	7.69	2.71	3.29	3.63	2.02
4				15.22	11.08	13.47	8.18	6.87	2.64	4.02	3.68	2.20
5				17.78	11.37	13.56	8.07	6.38	2.58	3.84	3.46	2.92
6				20.52	12.42	12.63	7.79	5.99	2.51	4.03	3.30	2.89
7				23.00	15.82	12.43	7.26	5.75	2.45	3.68	3.16	2.78
8				23.39	16.45	13.57	6.79	5.67	2.39	3.43	2.88	2.71
9				22.44	17.47	14.13	6.32	5.59	2.39	3.19	2.68	2.58
10				22.40	17.72	13.99	5.99	5.68	2.36	2.94	2.49	2.44
11				23.25	18.24	13.17	5.77	5.82	2.34	2.75	2.34	2.31
12				25.05	18.35	12.31	5.54	5.87	2.34	2.57	2.21	2.21
13				25.76	17.69	11.68	5.29	6.26	2.31	2.51	2.19	2.13
14				24.91	16.76	11.25	5.00	6.34	2.27	2.42	2.19	2.07
15				23.46	15.48	10.81	4.78	6.08	2.38	2.34	2.12	2.08
16				21.69	14.00	10.61	5.30	6.03	2.66	2.36	2.08	2.04
17				19.57	12.75	10.20	5.41	6.03	2.66	2.60	2.00	2.09
18				18.21	12.92	9.71	5.20	6.86	2.70	2.87	1.91	3.30
19				16.25	12.85	9.18	5.25	5.40	2.63	2.90	1.90	2.85
20				14.11	12.89	8.68	5.35	4.96	2.56	2.74	1.88	2.97
21				12.34	12.30	8.12	5.34	4.59	2.44	2.53	1.82	3.05
22				11.34	11.72	7.74	6.24	4.24	2.31	2.38	1.80	2.94
23				10.51	11.52	7.52	6.24	3.98	2.24	2.49	2.28	2.99
24				9.60	11.48	7.33	6.11	3.76	2.26	2.60	3.88	3.35
25				8.80	11.36	7.32	6.02	4.06	2.33	2.23	3.28	3.38
26				8.14	11.02	7.28	6.00	3.75	2.43	2.09	2.98	3.19
27				7.65	10.54	6.98	5.86	3.44	2.43	2.79	2.98	2.98
28				7.37	9.93	7.77	5.50	3.20	2.30	2.02	2.61	2.84
29				7.41	9.25	9.00	6.04	2.99	2.49	2.31	2.50	2.73
30				9.59	-----	9.72	7.18	2.90	2.88	2.97	2.40	2.78
31		-----		11.02	-----	9.55	-----	2.90	-----	3.73	2.29	-----
MEAN				15.92	13.40	10.39	6.29	5.25	2.49	2.89	2.63	2.64
MAX				25.76	18.35	14.13	8.66	7.69	2.89	4.11	3.88	3.38
MTN				7.37	9.25	6.98	4.78	2.90	2.24	2.02	1.80	2.02

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.79	3.85	6.84	15.86	14.06	7.03	18.69	18.56	8.51	3.49	11.78	3.88
2	2.75	4.49	6.73	15.78	15.99	7.16	19.75	17.84	8.47	3.36	12.41	3.72
3	2.65	4.53	6.51	16.45	16.78	7.38	19.96	17.04	8.72	3.15	10.29	3.85
4	2.58	4.19	6.22	18.02	17.71	7.55	19.96	15.87	9.21	3.00	7.34	4.04
5	2.50	4.21	5.87	18.52	17.89	7.80	19.27	14.62	10.77	2.98	5.95	3.49
6	2.39	4.29	5.83	19.47	18.16	7.80	18.06	13.12	12.93	2.96	5.10	3.68
7	2.29	4.58	6.01	19.85	17.85	8.75	17.51	13.30	13.60	3.49	4.32	3.55
8	2.20	5.11	6.04	21.01	16.99	9.17	16.98	15.09	12.87	4.41	3.87	3.56
9	2.12	5.02	5.95	21.50	15.69	9.23	16.99	15.26	12.22	4.42	3.59	3.31
10	2.05	4.67	6.97	22.27	14.18	8.97	16.68	15.19	10.82	4.18	3.34	3.17
11	1.99	4.35	9.66	22.42	12.71	12.34	15.94	14.08	8.45	4.61	3.19	3.82
12	1.99	4.13	9.88	21.91	11.58	13.21	15.87	13.38	6.80	6.07	3.11	5.24
13	1.93	4.45	10.86	20.91	10.72	14.93	15.72	13.39	6.07	5.10	3.15	4.20
14	1.88	5.42	10.74	19.66	13.86	15.48	14.71	13.07	5.50	6.08	3.15	4.04
15	1.84	5.25	14.85	18.20	14.28	15.49	13.37	12.30	5.35	6.83	4.69	3.85
16	1.80	5.05	15.16	16.47	15.92	18.47	14.92	11.31	6.11	7.48	4.50	3.36
17	1.78	4.78	16.01	14.44	16.25	21.14	19.70	10.32	6.05	7.71	3.92	3.11
18	1.75	5.21	17.58	12.65	16.82	22.73	22.33	9.47	5.34	7.14	5.16	2.94
19	1.67	5.95	18.79	11.97	17.67	24.52	23.42	8.66	4.82	6.62	6.26	2.81
20	1.62	6.06	19.31	11.19	17.37	24.35	23.35	7.83	4.63	6.19	4.97	2.71
21	1.61	6.04	19.85	11.27	16.24	23.03	22.36	6.88	5.63	5.79	4.23	2.63
22	1.68	6.08	19.52	12.34	14.55	21.29	20.97	5.18	7.26	5.55	3.79	2.58
23	3.85	5.98	19.31	12.47	12.82	19.55	19.55	5.79	5.95	5.67	3.49	
24	3.49	5.88	18.65	12.13	11.48	17.93	18.14	8.10	5.60	5.67	3.35	2.46
25	3.42	6.82	17.59	11.79	10.49	18.30	17.40	9.15	5.56	5.40	3.29	2.41
26	3.41	7.38	16.61	12.59	9.60	17.74	16.62	9.55	5.35	5.22	3.07	2.36
27	4.28	7.41	15.69	13.80	8.57	18.23	16.66	9.57	4.87	5.20	2.95	2.33
28	4.32	7.18	14.56	14.29	7.73	18.52	16.93	10.36	4.28	4.18	2.82	2.33
29	4.24	7.05	13.30	13.98	-----	19.17	18.23	10.47	3.88	3.74	2.69	2.54
30	4.22	5.92	12.81	13.26	-----	19.02	18.86	10.05	3.61	6.22	2.62	2.66
31	4.05	-----	16.31	12.42	-----	18.96	-----	9.14	-----	9.69	3.19	-----
MEAN	2.62	5.41	12.58	16.11	14.43	15.34	18.30	11.77	7.31	5.21	4.70	
MAX	4.32	7.41	19.85	22.42	18.16	24.52	23.42	18.56	13.60	9.69	12.41	
MTN	1.61	3.85	5.83	11.19	7.73	7.03	13.37	5.79	3.61	2.96	2.62	

PEARL RIVER BASIN

02482000 Pearl River at Edinburg, Miss.--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.85	2.90	19.72	21.38	22.76		15.20	10.37	12.97	8.85	3.23	6.07
2	4.62	2.83	20.61	19.50	21.49		16.42	9.41	11.77	7.40	3.14	8.00
3	3.69	2.67	20.15	18.48	20.21		17.36	8.12	10.37	6.17	3.18	7.70
4	3.66	2.66	19.28	17.40	18.82		18.50	6.96	8.76	5.01	3.62	7.48
5	3.27	4.38	18.10	16.13	17.27	10.85	18.83	6.51	8.94	4.40	3.54	6.98
6	2.97	4.41	16.92	15.46	15.73	9.97	19.20	6.26	11.73	4.55	3.22	6.74
7	2.75	4.06	15.43	17.28	15.03	9.15	19.27	6.12	11.97	6.01	3.08	6.68
8	2.66	4.22	13.52	17.76	14.86	8.51	18.65	5.96	13.21	6.48	3.72	7.20
9	2.57	4.38	11.88	20.26	14.48	7.96	17.88	5.75	12.73	6.06	5.03	7.43
10	2.49	4.14	10.84	23.00	13.72	7.57	16.57	5.49	11.42	5.55	4.42	6.73
11	2.42	3.85	10.28	23.75	13.16	8.13	14.74	5.40	10.64	5.51	3.93	7.12
12	2.37	3.73	9.88	24.10	13.42	9.29	15.79	7.34	11.29	5.64	4.00	7.38
13	2.32	3.71	9.44	24.22	13.76	9.22	22.35	8.29	12.01	5.66	4.58	7.20
14	2.31	3.75	8.71	23.72	13.55	8.56	25.69	8.09	11.80	5.53	4.88	7.05
15	2.32	3.67	7.83	23.20	16.27	8.07	26.63	8.10	10.74	5.68	4.41	6.91
16	3.24	3.55	7.05	22.30	18.43	7.76	25.94	8.34	9.36	4.87	4.18	6.51
17	4.03	3.42	6.46	21.33	19.78	7.51	24.47	8.02	7.86	4.41	4.15	5.64
18	3.97	3.30	6.10	20.67	21.27		22.60	7.42	6.59	3.96	4.09	4.68
19	3.85	3.22	5.88	20.11	22.24		20.68	6.73	5.82	3.69	3.99	4.11
20	3.63	3.16	9.91	20.38	21.96	9.04	18.84	6.01	5.27	3.52	4.19	3.78
21	3.33	8.50	10.98	20.22	21.43	10.72	16.66	5.42	4.77	3.54	3.70	3.56
22	3.11	8.44	12.18	19.50	20.91	11.63	14.94	4.99	4.49	4.47	3.46	3.38
23	2.94	8.62	11.68	19.77	20.27	12.43	15.10	4.82	6.53	5.07	3.41	3.22
24	2.80	7.96	10.80	20.59	19.70	14.03	14.91	4.67	8.11	6.07	3.20	3.10
25	2.66	7.51	16.47	21.51	19.27	15.56	14.53	4.43	8.57	5.90	3.08	3.08
26	2.56	7.36	19.96	22.89	18.43	15.19	13.09	9.29	8.32	4.88	2.98	3.53
27	2.50	8.98	22.00	23.86	17.23	13.76	11.94	11.91	8.40	4.18	2.92	3.83
28	2.48	16.21	24.50	24.23	15.49	15.15	11.71	11.13	8.81	3.86	2.93	3.83
29	2.47	16.13	25.18	24.20	-----	17.33	11.63	11.01	9.26	3.66	3.36	3.91
30	2.46	17.70	24.42	24.18	-----	17.40	11.13	11.73	9.39	3.51	3.90	4.56
31	2.65	-----	22.98	23.73	-----	16.25	-----	12.96	-----	3.36	3.60	-----
MEAN	3.00	5.98	14.49	21.17	17.89		17.71	7.65	9.40	5.09	3.71	5.58
MAX	4.62	17.70	25.18	24.23	22.76		26.63	12.96	13.21	8.85	5.03	8.00
MIN	2.31	2.66	5.88	15.46	13.16		11.13	4.43	4.49	3.36	2.92	3.08

GAGE HEIGHT, IN FEET • WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.62	3.15	7.83	19.68	12.66	12.13	14.43	11.66	7.31	3.37	16.50	4.31
2	6.26	3.11	8.34	19.08	12.58	11.30	13.32	12.41	7.03	3.20	17.20	4.08
3	6.54	3.07	8.05	18.26	12.81	10.63	12.43	12.57	6.58	3.11	18.32	3.45
4	6.61	3.08	7.83	17.48	14.89	9.48	11.65	13.70	6.03	3.00	18.14	3.47
5	6.44	3.35	7.71	16.41	15.43	9.22	11.04	14.84	5.52	2.92	17.52	3.51
6	5.89	3.48	7.73	15.26	16.04	8.47	10.52	16.01	5.16	2.85	18.30	3.58
7	4.89	3.34	11.46	13.90	15.57	7.49	10.01	15.56	5.16	2.84	18.90	3.95
8	4.06	3.35	12.28	13.82	15.69	7.46	9.30	16.52	4.87	2.88	18.88	3.63
9	3.61	3.36	13.11	14.29	16.24	7.11	10.60	16.28	5.27	5.58	18.10	3.53
10	3.37	3.41	12.99	15.61	15.94	7.47	14.06	17.31	6.47	4.56	16.70	3.47
11	3.18	3.78	12.18	18.17	14.90	8.57	15.30	17.21	10.90	4.87	15.18	3.32
12	3.08	4.09	12.05	20.77	13.98	8.42	16.66	16.98	11.17	5.99	13.77	3.23
13	3.01	3.97	12.34	24.33	12.91	12.44	15.82	16.23	10.86	6.37	12.42	3.13
14	2.95	3.89	12.90	24.70	11.94	18.34	16.76	15.25	10.35	6.62	11.12	3.05
15	5.35	4.01	12.68	23.62	11.02	14.99	18.21	14.64	10.61	7.00	10.32	3.01
16	6.83	4.06	12.07	22.11	16.87	23.14	18.98	14.17	10.29	7.41	9.43	2.96
17	7.07	4.55	11.19	20.60	14.30	24.20	19.24	13.06	9.93	7.61	8.53	3.03
18	6.81	5.70	10.23	17.09	20.28	23.34	19.55	11.47	9.60	7.37	8.10	3.30
19	6.35	5.91	9.43	17.52	22.24	22.10	19.41	10.94	9.37	8.23	9.30	3.31
20	5.90	6.99	8.63	15.74	22.73	20.93	18.48	10.35	8.82	6.67	10.34	3.09
21	5.36	7.40	7.86	14.09	22.16	19.77	16.97	10.29	7.83	4.88	10.34	2.98
22	4.66	7.27	7.24	12.74	21.49	18.33	14.93	10.30	6.48	4.46	10.04	2.92
23	4.15	6.53	7.13	11.77	20.69	18.35	12.54	10.04	5.45	4.28	9.78	3.97
24	3.87	6.08	15.47	11.10	19.68	18.17	10.83	9.54	4.88	4.27	9.65	4.63
25	3.67	6.22	15.82	12.75	18.51	17.42	9.59	8.67	4.48	10.07	9.68	4.20
26	3.52	6.34	19.10	13.21	17.06	16.54	8.35	7.33	4.19	11.88	8.74	4.15
27	3.40	6.02	20.44	14.04	15.24	15.32	7.31	6.14	3.94	12.11	7.19	4.20
28	3.31	5.54	21.84	13.47	13.42	14.31	6.64	5.75	3.68	11.74	6.07	4.19
29	3.26	5.41	22.07	16.59	---	15.17	7.08	5.25	3.49	11.22	5.37	4.03
30	3.24	6.20	21.62	16.35	---	15.52	10.33	7.65	3.30	11.01	4.90	3.91
31	3.20	---	20.32	12.67	---	15.17	---	7.53	---	12.68	4.55	---
MEAN	4.69	4.76	12.61	15.49	16.48	14.77	13.34	12.16	6.97	6.64	12.04	3.60
MAX	7.07	7.40	22.07	24.70	22.74	24.20	19.55	17.31	11.17	12.68	18.90	4.43
MIN	2.95	3.07	7.13	11.10	11.02	7.11	6.64	5.25	3.30	2.84	4.55	2.92

PEARL RIVER BASIN

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02482550 Pearl River near Carthage, Miss.

LOCATION.--Lat 32°42'25", long 89°31'35", in NE¼NE¼ sec.24, T.10 N., R.7 E., Choctaw meridian, Leake County, on right bank at downstream side of bridge on State Highway 35, 2.1 miles (3.4 km) south of Carthage, 4.0 miles (6.4 km) downstream from Lobutch Creek, and 10.8 miles (17.4 km) upstream from Tuscolameta Creek.

DRAINAGE AREA.--1,347 mi² (3,489 km²).

PERIOD OF RECORD.--September 1962 to current year.

GAGE.--Water-stage recorder. Datum of gage is 315.24 ft (96.085 m) above mean sea level.

AVERAGE DISCHARGE.--12 years, 1,746 ft³/s (49.45 m³/s), 17.60 in/yr (447 mm/yr).

EXTREMES.--Current year: Maximum discharge, 18,100 ft³/s (513 m³/s) Mar. 15 (gage height, 22.92 ft or 6.986 m); minimum daily, 160 ft³/s (4.53 m³/s) Oct. 14.

Period of record: Maximum discharge, 29,400 ft³/s (833 m³/s) Apr. 16, 1974 (gage height, 24.54 ft or 7.480 m); minimum, 31 ft³/s (0.88 m³/s) Oct. 30, 1963 (gage height, 2.36 ft or 0.719 m).

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 April 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 or 7.74 m (discharge, 31,900 ft³/s or 903 m³/s).

REMARKS.--Records good. See following pages for tables of mean daily gage heights for water years 1972-75.

Records of chemical analyses for the current year are published in the water-quality section of this 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	480	188	820	7750	2120	2720	3200	2080	1150	406	4890	428
2	548	184	983	6750	2160	2230	2930	2210	1010	313	5080	393
3	580	179	1020	5900	2230	1930	2630	2510	876	534	4870	360
4	594	175	947	5330	3080	1720	2280	3080	747	356	4680	329
5	592	201	885	4750	3400	1540	2000	3370	682	282	4890	313
6	558	255	866	4120	3520	1360	1800	3920	625	252	5370	375
7	479	302	1730	3390	3600	1210	1650	4490	641	236	5310	560
8	373	292	2090	3110	3470	1100	1510	4760	617	1960	5220	417
9	289	263	2160	3250	3420	1010	1970	4750	565	1640	4860	358
10	237	245	2220	3600	3530	1100	3200	4780	779	945	4370	337
11	206	277	2200	4950	3430	1240	3220	4560	1930	962	3950	307
12	184	317	2060	5700	3010	1340	3440	4370	2150	866	3390	285
13	171	333	1920	7160	2570	2440	3720	3970	2140	787	2760	265
14	160	317	1920	11000	2220	8430	4090	3450	2030	787	2170	246
15	302	304	1970	14800	1910	17200	4780	3100	1900	751	1650	231
16	619	313	1940	13300	4050	15100	5250	2890	1730	750	1340	222
17	697	350	1800	9720	5820	13100	5500	2690	1600	783	1310	230
18	701	468	1500	7480	6770	14900	5590	2500	1450	790	1190	248
19	650	561	1400	5570	7990	13800	5710	2170	1370	787	1160	260
20	578	868	1250	4750	11000	10500	5660	1820	1270	936	1310	275
21	513	857	1080	3740	11700	8120	5180	1600	1110	750	1430	266
22	441	828	934	3010	10000	6710	4290	1510	908	546	1530	247
23	367	744	915	2540	8570	5830	3210	1460	695	492	1530	263
24	310	639	3510	2220	7520	5990	2310	1380	562	504	1460	321
25	272	632	3940	2460	6450	5570	1770	1250	480	1250	1360	380
26	247	657	4570	2560	5500	5000	1430	1070	426	1810	1230	346
27	227	654	5420	2630	4500	4390	1160	836	386	2020	1000	325
28	210	598	6320	2710	3500	3760	968	674	354	2830	773	325
29	202	546	8020	2600	---	3410	960	624	322	3610	625	319
30	195	597	4770	2370	---	3550	1590	1230	311	3130	535	302
31	194	---	4550	2210	---	3450	---	1400	---	2890	472	---
TOTAL	12176	13145	83801	161870	137040	169750	92998	80504	30816	34955	81715	9533
MEAN	392	438	2703	5221	4854	5476	3099	2596	1027	1127	2635	317
MAX	701	868	8770	14800	11700	17200	5710	4780	2150	3610	5370	560
MIN	160	175	820	2210	1910	1010	960	624	311	236	472	222
CFSM	.29	.33	2.01	3.88	3.63	4.07	2.30	1.93	.76	.84	1.96	.24
IN	.34	.36	2.31	4.47	3.78	4.69	2.57	2.22	.85	.97	2.26	.26
CAL YR 1974 TOTAL	1083024	MEAN	2567	MAX	28000	MIN	150	CFSM	2.20	IN	29.91	
WTR YR 1975 TOTAL	908317	MEAN	2488	MAX	17200	MIN	160	CFSM	1.85	IN	25.08	

PEARL RIVER BASIN

02482550 Pearl River near Carthage, Miss.--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.58	3.80	3.64	9.84	12.68	9.85	10.25	8.31	3.76	6.23	4.52	
2	4.43	3.72	3.62	10.97	12.87	11.51	9.72	8.15	3.71	6.29	4.11	
3	4.24	3.65	5.19	12.65	12.69	14.18	9.11	8.90	3.64	6.32	4.06	
4	4.08	3.62	7.86	14.35	12.27	15.27	8.84	8.86		6.10	4.08	
5	3.99	3.61	8.57	17.32	12.01	15.35	9.00	8.52		5.69	4.15	
6	3.95	3.67	11.10	18.91	11.97	15.03	8.90	8.11		5.21	4.12	4.46
7	4.12	3.62	15.32	19.84	13.98	14.48	8.59	7.41		4.97	3.88	3.75
8	4.49	3.66	16.52	20.84	15.34	14.26	8.15	7.29		4.62		
9	4.99	3.68	17.38	21.22	16.11	14.45	7.68	8.30		4.32		
10	5.64	3.63	19.02	21.44	16.57	14.48	7.30	8.65		4.05		
11	5.97		20.65	22.50	16.75	14.11	6.98	8.52		3.82	4.28	
12	5.82		21.05	23.13	16.88	13.44	6.73	8.14		3.68	3.87	2.92
13	5.32		20.46	23.34	16.98	12.58	6.50	7.63		3.54		2.78
14	4.79		19.44	23.56	16.68	11.80	6.28	7.75				2.68
15	4.46		18.32	23.00	15.84	11.28	6.03	7.74		3.70		2.60
16	4.20		17.20	21.87	14.88	11.04	6.18	7.47	3.92	4.24		2.55
17	4.01		16.23	20.33	13.81	11.00	7.66	7.10	3.63	4.39		2.65
18	3.85		15.82	18.79	13.19	10.78	7.78	6.77	3.82	4.29		5.48
19	3.71		15.55	17.29	13.40	10.50	7.26	6.44	3.82	4.07		5.55
20			15.04	15.67	13.41	10.05	6.89	6.00	4.22	3.86		4.72
21		3.81	14.62	14.11	13.14	9.56	6.48	5.61	4.05	3.67		4.11
22		3.79	14.29	12.75	12.78	9.08	6.82	5.32	3.60			3.85
23		3.69	14.21	11.82	12.40	8.71	7.51	5.02				3.75
24		3.64	14.09	11.08	11.95	8.43	7.57	4.78		3.60		3.65
25	3.86	3.65	13.58	10.36	11.60	8.27	7.17	4.62		4.07	3.68	3.71
26	4.27	3.65	12.52	9.68	11.37	8.33	6.86	4.70	3.55	3.55		3.74
27	4.36	3.68	11.65	9.12	11.09	8.17	6.65	4.81	3.74			3.72
28	4.40	3.68	11.00	8.72	10.70	8.73	6.44	4.51	3.64			3.72
29	4.19	3.65	10.41	8.59	10.26	9.98	6.32	4.18	3.70	3.43		3.61
30	4.00	3.64	9.93	10.10	-----	10.41	7.41	3.98	3.94	4.28		3.65
31	3.87	-----	9.90	12.09	-----	10.52	-----	3.83	-----	4.66	-----	-----
MEAN			13.68	15.98	13.57	11.47	7.50	6.69				
MAX			21.05	23.56	16.98	15.35	10.25	8.90				
MIN			3.62	8.59	10.26	8.17	6.03	3.83				

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.73	4.76	7.59	16.31	14.06	8.63	17.76	17.23	9.60	4.69	10.07	3.82
2	3.79	5.28	7.38	16.13	15.78	8.35	17.14	17.15	9.10	4.55	10.88	4.34
3	3.57	6.96	7.16	16.15	15.87	8.54	17.12	16.91	9.48	4.45	10.90	4.46
4	3.41	6.80	6.91	16.68	15.94	8.73	17.28	16.24	9.89	4.26	9.58	4.48
5	3.29	5.01	6.56	17.34	16.07	9.03	17.22	15.26	10.00	4.12	7.68	4.59
6	3.17	5.56	6.88	18.24	16.17	9.12	16.84	14.22	10.45	4.08	6.64	4.77
7	3.06	5.45	7.28	18.50	16.27	10.24	16.81	13.90	11.22	4.12	5.93	4.55
8	2.94	5.81	7.42	20.26	16.23	10.42	16.87	15.25	11.71	4.38	5.35	4.39
9	2.84	5.85	7.34	20.71	15.74	10.97	16.42	15.40	11.56	5.10	4.96	4.36
10	2.75	5.69	7.84	20.77	14.77	10.81	16.06	15.23	11.09	5.26	4.67	4.19
11	2.68	5.50	10.81	20.72	13.72	12.18	15.69	14.81	10.27	5.55	4.44	5.25
12	2.63	5.16	11.46	20.55	12.68	13.72	15.23	14.27	9.05	5.94	4.51	4.87
13	2.59	5.21	12.13	20.04	11.76	14.77	14.97	13.93	7.91	6.57	5.31	5.42
14	2.56	6.54	12.33	19.20	13.19	15.15	14.71	13.73	7.29	7.48	4.68	5.00
15	2.52	6.47	14.49	18.22	14.19	15.25	13.90	13.14	6.96	7.16	4.86	4.74
16	2.50	6.12	15.93	17.02	14.60	17.18	14.86	12.31	7.20	7.18	5.67	4.53
17	2.48	5.83	16.71	15.56	15.08	21.66	18.46	11.36	7.27	7.64	5.40	4.18
18	2.47	5.74	16.84	14.08	15.40	23.05	19.01	10.49	6.84	7.84	6.13	3.93
19	2.47	7.01	17.00	12.94	15.77	20.26	20.26	9.78	6.28	7.25	6.44	3.77
20	2.47	7.70	17.53	12.58	16.13	22.48	20.93	9.28	5.86	6.97	6.51	3.65
21	2.46	7.62	18.83	12.44	15.98	22.33	21.04	8.64	5.70	6.71	5.67	
22	2.53	7.38	19.11	13.39	15.12	21.39	20.41	7.95	6.92	6.33	5.13	
23	5.14	6.99	18.77	13.93	13.83	19.88	19.31	7.55	7.39	6.09	4.85	
24	5.46	6.62	18.12	14.05	12.61	18.54	18.20	9.70	6.91	6.05	4.63	
25	4.76	7.13	17.42	13.98	11.55	18.93	17.61	10.49	6.46	6.01	4.40	
26	4.48	8.63	16.60	13.81	10.72	18.59	17.07	10.71	6.23	6.60	4.18	
27	5.00	8.75	15.72	13.89	10.00	18.15	16.71	10.56	5.98	5.89	4.01	
28	5.93	8.48	14.81	14.19	9.27	17.86	16.64	11.29	5.63	5.66	3.85	
29	5.70	8.15	13.72	14.25	-----	17.86	16.74	11.46	5.19	5.79	3.71	3.74
30	5.28	7.84	13.12	13.89	-----	17.42	16.98	11.24	4.88	8.69	3.60	3.79
31	5.04	-----	15.73	13.21	-----	18.13	-----	10.49	-----	9.61	3.58	-----
MEAN	3.54	6.57	12.89	16.24	14.23	15.58	17.28	12.58	8.01	6.07	5.75	
MAX	5.93	8.79	19.11	20.77	16.27	23.05	21.04	17.23	11.71	9.61	10.90	
MIN	2.46	4.76	6.66	12.44	9.27	8.35	13.90	7.55	4.88	4.08	3.58	

PEARL RIVER BASIN

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02482550 Pearl River near Carthage, Miss.--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.50	3.92	16.74	21.36	21.90	16.32	16.64	11.20	11.78	9.12	4.26	6.81
2	5.24	4.10	17.28	19.87	21.09	15.09	16.74	10.61	11.77	8.66	4.12	8.67
3	5.32	4.02	17.85	18.73	20.00	13.89	16.92	9.88	11.36	7.81	4.14	7.98
4	4.72	3.90	17.98	18.10	18.98	12.92	17.63	9.00	10.48	6.80	4.34	7.82
5	4.46	5.61	17.56	17.51	17.80	12.10	17.49	8.62	9.64	6.02	4.37	7.54
6	4.13	6.30	16.57	17.15	16.70	11.41	17.14	8.57	11.73	5.72	4.26	7.15
7	3.85	6.00	15.48	18.37	15.90	10.75	16.98	8.35	12.41	6.13	4.04	6.94
8	3.70	5.81	14.39	19.90	15.43	10.15	16.72	7.88	12.82	6.75	4.23	7.04
9	3.67	5.62	13.06	20.55	15.19	9.68	16.37	7.46	13.68	6.84	5.30	7.48
10		5.62	11.71	21.20	14.92	9.30	15.81	7.13	15.45	6.49	5.64	7.38
11		5.59	10.80	22.64	14.42	9.04	14.96	6.97	14.79	6.15	5.18	7.10
12		5.42	10.27	22.58	14.08	9.96	15.44	7.80	13.64	6.09	4.75	7.39
13		5.19	9.91		14.04	11.02	20.92	9.00	13.05	6.12	4.84	7.46
14		4.90	9.52		14.06	11.04	22.35	9.33	12.49	6.09	5.15	7.27
15		4.76	9.04		15.12	10.58	23.83	9.10	11.45	6.38	5.47	7.10
16		4.63	8.47	21.58	18.03	9.88	24.39	8.87	10.55	6.79	5.19	6.91
17	5.64	4.44	7.89	21.14	19.05	9.38	23.64	8.78	9.55	5.79	4.98	6.53
18	6.50	4.37	7.43	19.89	19.30	9.08	22.64	8.43	8.49	5.29	5.01	5.87
19	5.78	4.28	7.23	19.42	20.01	8.93	21.15	7.94	7.14	4.90	4.81	5.26
20	5.09	4.29	10.36	19.65	20.29	10.19	19.36	7.38	7.22	4.70	4.69	4.83
21	4.67	8.99	11.41	19.69	20.17	11.76	17.59	6.83	6.14	4.59	4.13	4.54
22	4.34	10.28	11.82	19.35	20.34	12.60	16.25	6.38	6.33	4.83	4.42	4.38
23	4.09	10.27	12.12	19.15	20.10	12.77	16.12	6.10	7.56	5.46	4.17	4.16
24	3.90	10.02	11.89	19.74	19.53	12.88	15.44	5.97	9.29	5.85	3.98	3.97
25	3.75	9.38	17.02	21.62	18.81	13.48	14.91	5.80	9.72	6.61	3.84	3.87
26	3.64	8.63	21.29	22.45	18.25	14.33	14.41	8.84	9.89	6.41	3.71	4.11
27		9.39	22.17	22.52	17.77	14.76	13.66	13.67	9.76	5.66	3.64	4.63
28		14.90	22.41	22.50	17.19	14.39	12.94	13.97	9.61	5.16	3.77	4.78
29		15.90	22.67	22.67	-----	14.10	12.46	12.87	9.24	4.85	4.07	4.85
30		16.66	22.93	22.50	-----	14.90	11.78	11.93	9.20	4.62	4.90	5.25
31		-----	22.50	22.20	-----	16.19	-----	11.63	-----	4.43	4.99	-----
MEAN		7.11	14.44		17.82	12.03	17.42	8.91	10.58	6.04	4.57	6.17
MAX		16.66	22.93		21.90	16.32	24.39	13.97	15.45	9.12	5.75	8.67
MIN		3.90	7.23		14.04	8.93	11.78	5.80	6.33	4.43	3.64	3.87

GAGE HEIGHT, IN FEET * WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.93	3.95	7.57	14.33	12.20	13.21	14.09	11.76	8.97	5.46	16.49	5.51
2	6.34	3.93	4.34	14.51	12.32	12.13	13.63	12.07	8.44	4.87	16.76	5.40
3	6.51	3.84	4.46	17.67	12.49	11.38	13.03	12.76	7.91	6.24	16.50	5.18
4	6.54	3.84	4.20	17.05	14.20	10.79	12.24	13.90	7.35	5.15	16.26	4.97
5	6.52	4.07	7.95	15.35	14.69	10.26	11.57	14.36	7.05	4.65	16.53	4.87
6	6.39	4.47	7.47	15.51	14.86	9.69	11.03	15.22	6.75	4.46	17.09	5.26
7	5.92	4.74	10.76	14.40	14.97	9.18	10.60	15.01	6.84	4.34	17.02	6.39
8	5.26	4.72	11.77	13.54	14.80	8.40	10.19	15.36	6.71	11.15	16.92	5.54
9	4.71	4.53	11.36	14.17	14.72	8.43	11.27	15.35	6.42	10.53	16.49	5.16
10	4.35	4.41	12.12	14.71	14.85	8.40	14.09	16.39	7.45	8.18	15.85	5.03
11	4.11	4.63	12.06	15.65	14.73	9.29	14.12	15.10	11.37	8.23	15.27	4.83
12	3.92	4.44	11.72	17.46	14.10	9.64	14.48	15.85	11.93	7.86	14.40	4.68
13	3.82	5.00	11.36	15.84	13.26	12.15	14.93	15.29	11.91	7.64	13.29	4.54
14	3.73	4.84	11.25	20.59	12.45	19.23	15.45	14.51	11.65	7.53	11.97	4.41
15	4.72	4.84	11.49	22.24	11.69	22.76	16.39	13.92	11.30	7.37	10.59	4.31
16	6.70	4.47	11.42	21.79	15.60	22.28	16.95	13.55	10.83	7.37	9.63	4.24
17	7.12	5.11	11.02	20.52	17.59	21.73	17.24	13.14	10.44	7.51	9.54	4.29
18	7.14	5.24	10.44	19.11	18.54	22.25	17.34	12.73	9.98	7.55	9.13	4.43
19	6.89	6.40	4.31	17.74	19.50	21.93	17.47	11.99	9.74	7.53	9.02	4.51
20	6.50	7.84	9.33	15.38	21.05	20.45	17.41	11.09	9.40	8.15	9.52	4.51
21	6.12	7.84	4.72	15.15	21.20	19.60	16.83	10.44	8.84	7.35	9.94	4.55
22	5.69	7.71	4.15	14.05	20.60	18.48	15.74	10.19	8.04	6.31	10.25	4.42
23	5.22	7.34	4.03	13.20	14.93	17.50	14.09	10.02	7.10	6.00	10.24	4.53
24	4.84	6.43	14.54	12.47	19.14	17.77	12.29	9.75	6.40	6.07	10.01	4.92
25	4.59	6.79	15.25	15.03	18.24	17.32	10.93	9.34	5.93	9.17	9.71	5.31
26	4.42	6.92	16.12	13.24	17.23	16.66	9.91	9.65	5.60	11.05	9.26	5.08
27	4.22	6.91	17.14	15.40	16.02	15.48	9.02	7.74	5.35	11.62	8.40	4.95
28	4.15	6.61	18.10	15.56	14.57	14.29	8.28	7.01	5.14	13.36	7.47	4.94
29	4.08	6.32	19.53	13.32	---	14.43	8.24	6.75	4.92	14.76	6.75	4.91
30	4.02	6.44	20.07	12.82	---	14.36	10.38	6.24	4.85	13.97	6.25	4.79
31	4.01	---	19.92	12.44	---	14.53	---	9.83	---	13.53	5.88	---
MEAN	5.31	5.56	11.96	15.13	15.92	15.05	13.31	12.33	8.15	8.22	12.01	4.89
MAX	7.14	7.84	20.97	22.24	21.29	22.76	17.47	16.39	11.93	14.76	17.09	6.39
MIN	3.73	3.85	7.67	12.44	11.69	8.43	8.24	6.75	4.85	4.34	5.88	4.24

PEARL RIVER BASIN

02483000 Tuscolameta Creek at Walnut Grove, Miss.

LOCATION.--Lat 32°35', long 89°28', in NW¼ sec.34, T.9 N., R.8 E., Choctaw meridian, Leake County, on right bank at downstream side of bridge on State Highway 35, over north drainage canal, 0.4 mile (0.6 km) south-west of Walnut Grove, 0.6 mile (1.0 km) upstream from Gulf, Mobile and Ohio Railroad bridge, 7.5 miles (12.1 km) upstream from junction of north and south drainage canals, and 15.5 miles (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.

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 mile (0.3 km) upstream at same datum. Water-stage recorder, on south canal at bridge on State Highway 35, 1 mile (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).

AVERAGE DISCHARGE.--37 years, 502 ft³/s (14.22 m³/s), 16.59 in/yr (421 mm/yr).

EXTREMES.--Current year: Maximum discharge, 20,000 ft³/s (566 m³/s) Dec. 25 (gage height, 29.30 ft or 8.931 m); maximum gage height, south canal, 30.48 ft (9.290 m) Dec. 25; minimum daily discharge, 33 ft³/s (0.93 m³/s) Oct. 11-14.

Period of record: Maximum discharge, 34,600 ft³/s (980 m³/s) Jan. 7, 1950 (gage height, 23.00 ft or 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.

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.

REMARKS.--Records good. Discharge computed by combining the flow of individually rated channels. See following pages for tables of mean daily gage height for water years 1972-75.

REVISIONS (WATER YEARS).--WSP 1002: 1943. WSP 1504: 1939-40, 1943-44 (M).

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	144	53	594	455	341	430	1070	2960	664	164	2320	61
2	83	56	604	351	540	436	537	2660	303	91	4080	57
3	60	55	390	281	1110	379	1100	1400	179	142	4280	56
4	48	57	260	306	3060	320	1300	1660	134	714	2280	50
5	42	61	197	270	3150	240	862	1650	127	232	989	74
6	34	71	223	225	2470	259	479	2410	127	103	1540	352
7	37	64	2460	154	1130	274	316	2820	130	74	967	570
8	36	59	4000	1050	475	274	266	3200	234	2740	456	434
9	36	56	4740	2160	566	273	1450	2940	343	2070	744	223
10	35	61	4240	3040	547	477	3280	2940	1310	655	544	130
11	33	47	1390	5320	507	639	3410	2340	3220	406	361	44
12	33	177	740	4870	471	647	1960	931	3210	327	257	43
13	33	142	476	1750	1080	1330	702	403	1520	232	191	45
14	33	101	441	4600	773	3470	1010	277	593	142	151	109
15	266	83	410	1820	569	2740	3160	383	349	107	128	47
16	702	74	446	704	4700	1410	3110	739	344	45	124	42
17	518	101	412	524	9420	436	1450	402	294	72	146	91
18	203	423	320	454	8260	2240	559	620	207	76	187	274
19	94	674	290	450	5740	3340	374	343	364	65	140	254
20	67	1570	473	651	2750	3160	303	204	303	49	169	143
21	53	2740	462	567	444	1270	254	145	164	146	192	102
22	47	3240	350	447	593	578	213	130	105	94	153	47
23	44	1200	915	266	411	451	140	123	44	50	130	526
24	41	445	4600	374	1700	1200	175	118	72	47	131	494
25	44	343	13400	2250	1500	1770	164	117	60	207	143	454
26	43	431	11700	2740	904	1110	155	117	53	410	104	267
27	41	344	4370	4080	520	557	143	352	50	644	87	166
28	40	243	2620	936	437	344	134	294	44	516	75	114
29	30	144	1520	524	---	343	423	250	52	411	64	46
30	41	314	1310	424	---	1270	2130	1210	72	251	76	46
31	49	---	400	380	---	1540	---	1270	---	403	67	---
TOTAL	3724	14217	77727	51515	55674	34071	32090	37913	14854	11953	21857	5944
MEAN	47.5	472	2507	1674	1744	1074	1064	1197	445	345	705	104
MAX	702	2250	13400	4770	5460	3470	3410	3200	3220	2740	4280	694
MIN	33	53	197	154	341	244	134	117	44	64	67	50
CFSM	224	1115	6111	4407	4404	2477	2460	2442	1421	494	1472	444
IN	227	1124	7144	4470	504	304	240	344	143	104	144	54

CAL YR 1974 TOTAL 35154 MEAN 440 MAX 21300 MIN 24 CFSM 2.41 IN 32.73
WTR YR 1975 TOTAL 354321 MEAN 944 MAX 14400 MIN 43 CFSM 2.40 IN 32.52

PEAK DISCHARGE (BASE, 4,000 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12-09	1715	25.47	4,970	02-17	1400	27.46	10,600
12-25	0900	29.30	20,000	04-11	0815	24.43	4,050
01-12	1415	27.49	10,600	08-03	0600	24.99	4,500

PEARL RIVER BASIN

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02483000 Tuscolameta Creek at Walnut Grove, Miss.--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10.03		10.92	14.64	22.65	11.52		10.75				
2	9.92	9.91	11.02	18.62	19.24	18.40		10.56				
3	9.85	9.83	12.91	20.28	14.79	22.83		11.16	9.38		9.41	
4	9.82	9.77	15.20	25.01	14.02	23.04	11.66		9.35			
5	9.78	9.71	14.59	25.82	12.80	18.48	11.82	10.95				
6	9.83	9.68	20.48	25.91	14.21	13.68	11.57	10.40				
7	10.05	9.70	26.28	25.19	23.71	12.78	11.43					
8	10.04	9.70	27.96	19.23	24.80	16.04	11.25					
9	1.00	9.69	27.54	15.87	25.35	18.21	11.00	10.85				9.25
10	9.95	9.70	24.74	24.49	21.08	15.58	10.90	10.50				
11	9.88	9.72	18.85	25.15	14.44	13.52	10.78	10.28				
12	9.78		16.13	25.45	14.89		10.65					
13	9.73	9.88	16.41	25.58	18.28	12.14		10.34				
14		9.89	15.61	19.96	17.02	11.97	10.55	11.65				
15	9.64	9.90	14.21	14.19	14.62		10.46					
16	9.68	9.97	14.06		13.31	13.12						
17	9.64	9.97	13.82	12.43	12.96	15.27	11.35	10.18				
18	9.58	9.98	13.98	12.32	14.42	13.79	10.97	10.00				
19	9.56	10.04	13.62	12.20	15.22	12.80	10.56	9.94				
20	9.57	10.17	14.22	12.21		12.11	10.35	9.93				
21	9.58	10.29	15.76			11.72	10.40	9.78				
22	9.60	10.42	14.51	12.92	12.32	11.52	11.45					
23	9.61	10.52	13.04		12.19	11.28	11.85	9.65				
24		10.67	12.20	12.25	12.13	11.18	11.05	9.58				
25	10.70	11.20	11.81	12.11	12.02	11.14		9.64				
26	10.32	11.28	11.64		11.85		10.00					
27	9.94	11.21	11.53	11.53	11.69		10.00					
28	9.80	11.16	11.65	11.56	11.47	14.94	10.02	9.62				
29	9.70	11.05	13.85	11.42	11.33	18.57	10.32	9.58	9.49			
30	9.71	10.97	13.42	14.55	-----	17.24	10.42	9.48				
31	9.78	-----	14.46	22.18	-----	14.82	-----	9.47	-----			-----
MEAN			15.67									
MAX			27.96									
MIN			10.92									

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1		9.87	10.31	13.58	18.60	11.22	24.35	12.94				
2		9.91	10.25	17.63	24.52	11.74	25.95	12.63				
3		10.01	10.12	16.82	25.80	12.40	25.24	14.91				
4		10.15	10.06	18.19	25.72	12.74	17.88	15.34				
5		10.09	10.12	17.18	21.25	13.91	13.54	13.82	10.49			
6		9.94	10.79	18.19	14.13	13.56	12.65	13.23				
7		9.88	12.30	18.84	12.74	15.25	19.16	16.17				
8		10.44	11.89	23.16	12.96	16.02	23.09	22.55				
9		10.65	11.13	23.64	15.68	14.32	23.95	23.75	13.09			
10		10.36	11.08	23.32	15.65	13.13	20.78	24.65	12.11			9.83
11	9.25	10.13	13.48	18.42	14.01	19.52	14.36	18.73				10.02
12		9.97	13.35	13.84	12.89	22.40	12.74	13.68				10.32
13		9.94	13.09	12.62	12.40	22.43	12.16	13.28				10.34
14		10.43	12.26	12.13	21.96	17.78	11.73	12.89		11.37		10.97
15		10.91	16.57	11.82	24.05	13.73	11.43	12.31		12.92		11.00
16		10.61	18.78	11.59	25.10	19.70	20.47			12.82		10.43
17		10.30	17.94	11.39	24.10	24.67	28.44					10.13
18		10.11	15.08	11.28	16.41	25.33	27.95				14.48	9.98
19	9.35	10.03	12.49	11.33	13.44	23.83	26.86				16.24	9.82
20		10.05	13.77	11.41	12.74	16.31	26.34				14.27	9.72
21		10.19	21.83	12.50	12.33	13.33	25.43					9.65
22	9.49	10.18	23.44	18.00	12.00	12.53	18.52					9.60
23	10.20	10.09	24.50	17.59	11.84	12.05	13.74	10.66	13.58			9.56
24	10.69	10.01	21.20	15.08	11.75	13.20	12.95	14.40	13.23			9.50
25	10.39	10.12	14.51	12.75	11.64	24.20	19.97	15.81				9.48
26	10.03	11.09	12.30	12.27	11.55	25.37	23.31	15.97		10.44		9.58
27	9.97	11.33	11.64	12.76	11.41	25.94	24.93	14.20				9.49
28	10.69	10.81	11.30	12.65	11.30	24.04	25.01	15.61				9.49
29	10.82	10.56	11.12	12.37	-----	15.91	20.32	14.81			9.58	9.61
30	10.31	10.43	11.70	11.91	-----	13.71	14.28					10.95
31	10.05	-----	18.37	11.58	-----	22.57	-----					-----
MEAN		10.29	14.09	15.20	16.36	17.51	19.92					
MAX		11.33	24.50	23.64	25.80	25.94	28.44					
MIN		9.87	10.06	11.28	11.30	11.22	11.43					

PEARL RIVER BASIN

02483000 Tuscolameta Creek at Walnut Grove, Miss.--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13.92	9.84	17.25	17.24		12.68	13.12	11.25	10.24	10.01	9.70	13.70
2	13.53	10.11	12.99	16.76		12.55	16.91	11.13	12.87	9.98	9.67	19.95
3	14.24	9.95	12.10	16.16		12.54	19.96	11.14	12.74	9.93	10.70	18.33
4	13.37	9.92	14.34	17.00		12.34	21.45	11.32	11.25	9.88	10.44	14.25
5	11.13	11.47	16.81	16.73		12.18	17.01	13.98	11.54	9.91	10.48	12.04
6	10.53	12.66	15.81	17.19		12.03	13.94	12.74	20.29	10.31	10.78	11.03
7	10.20	11.91	14.18	22.07		11.90	12.57	11.64	20.85	10.55	10.19	10.68
8	9.98	11.87	12.46	21.50	23.01	11.82	12.06	11.11	17.80	10.35	10.20	14.23
9	9.86	11.89	11.82	21.59	22.50	11.68	11.70	10.89	13.34	10.01	10.22	16.22
10	9.78	11.25	11.55	19.72	17.94	11.58	11.42	10.76	11.77	9.92	10.17	15.50
11	9.71	10.78	11.33	23.50	15.65	11.58	11.22	11.04	11.02	9.86	10.06	14.20
12	9.64	10.50	11.18	23.86	13.81	13.86	17.89	14.48	10.64	9.81	9.95	12.32
13	9.59	10.34	11.14	23.57	13.17	15.44	28.09	13.82	10.71	9.76	11.26	11.37
14	9.57	10.27	11.13	23.43	12.93	13.95	29.48	12.13	10.70	9.73	12.63	10.93
15	9.57	10.27	11.29	24.46	21.70	12.88	27.29	11.24	10.36	9.73	11.68	10.65
16	9.98	10.29	12.13	24.53	25.68	12.18	25.88		10.23	9.98	11.05	10.46
17	11.52	10.21	11.78	22.00	26.51	11.88	21.63		10.16	9.99	10.55	10.27
18	11.16	10.12	11.54	17.63	26.01	11.63	14.76		10.10	9.83	11.14	10.15
19	10.46	10.07	11.52	15.18	25.46	11.60	13.24		10.21	10.87	11.31	10.06
20	10.20	10.20	18.80	22.53	23.24	12.55	12.65		10.30	10.25	10.81	10.01
21	10.04	16.08	20.28	25.19	20.77	13.79	12.21		10.10	10.02	10.26	9.92
22	9.89	17.78	19.11	25.63	23.28	13.91	14.60		10.01	10.33	9.98	9.85
23	9.81	16.82	15.81	24.75	22.84	13.29	20.90		13.99	10.06	9.87	9.81
24	9.72	14.57	13.30	23.17	20.41	12.66	20.30		17.92	10.01	9.80	9.78
25	9.69	12.19	22.63	25.05	15.69	12.26	17.74		14.30	10.18	9.80	9.77
26	9.66	11.50	26.06	25.84	13.77	12.38	13.84		11.95	10.56	9.78	9.92
27	9.63	14.77	27.12	25.84	13.15	13.77	12.39	12.49	10.88	10.31	9.72	10.75
28	9.60	24.20	26.53	25.57	12.96	15.18	11.88	11.86	10.43	10.10	9.76	10.76
29	9.59	25.25	25.65	25.87	-----	16.20	11.58	10.87	10.22	9.95	9.89	10.73
30	9.64	23.60	20.48	25.85	-----	16.08	11.39	10.51	10.10	9.85	10.51	11.09
31	9.67	-----	16.38	24.52	-----	14.54	-----	10.33	-----	9.76	11.92	-----
MEAN	10.48	13.02	15.95	22.08		13.00			12.23	10.06	10.46	11.96
MAX	14.24	25.25	27.12	25.97		16.20			20.85	10.87	12.63	19.95
MIN	9.57	9.84	11.13	15.18		11.58			10.01	9.73	9.67	9.77

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10.70	9.97	14.72	14.44	12.79	13.53	16.24	22.43	15.36	11.41	20.99	10.30
2	10.31	9.96	14.22	13.45	14.21	13.55	14.16	21.73	12.64	10.75	24.40	10.23
3	10.07	9.95	12.92	12.97	16.77	13.13	17.13	19.27	11.57	11.59	24.77	10.23
4	9.94	9.95	12.03	13.17	22.74	12.71	17.34	19.31	11.14	15.15	20.99	10.14
5	9.87	9.95	11.52	12.90	22.81	12.49	15.43	19.30	11.07	12.01	17.04	10.39
6	9.82	10.15	11.70	12.52	21.38	12.33	13.55	21.20	11.07	10.81	19.37	12.24
7	9.80	10.16	21.89	12.28	17.02	12.28	12.58	21.97	11.10	10.48	16.82	11.91
8	9.74	10.09	24.26	19.59	14.72	12.52	12.28	22.71	12.03	21.30	16.47	12.05
9	9.78	10.05	25.31	20.58	14.05	12.58	17.38	22.49	13.24	19.81	15.42	11.14
10	9.76	10.10	24.91	21.85	13.93	13.75	23.92	22.70	18.61	15.26	14.16	10.67
11	9.75	10.37	14.75	25.61	13.68	15.21	24.15	21.62	22.94	13.58	12.57	10.40
12	9.75	11.23	15.25	27.24	15.69	15.39	20.28	16.78	22.98	13.11	12.00	10.32
13	9.75	11.00	14.07	26.60	16.39	17.67	15.15	13.39	19.29	12.25	11.58	10.37
14	9.74	10.62	13.21	25.42	14.91	23.54	18.80	12.38	14.83	11.35	11.29	10.59
15	11.29	10.47	13.05	20.01	13.91	22.26	23.00	12.87	13.38	10.95	11.08	10.38
16	13.86	10.45	13.36	15.32	24.43	18.45	22.81	13.76	13.29	10.67	11.07	10.24
17	12.85	10.61	12.88	14.11	27.05	15.76	18.66	14.19	12.53	10.51	11.30	10.33
18	11.12	12.47	12.36	13.64	26.75	20.52	14.31	13.63	11.83	10.54	11.48	11.71
19	10.43	13.66	17.24	13.51	25.92	23.25	13.09	12.45	13.09	10.35	11.24	11.77
20	10.19	18.24	13.46	15.09	22.30	22.71	12.60	11.64	12.60	10.83	11.53	11.08
21	10.04	21.76	13.33	14.56	16.75	17.40	12.26	11.33	11.43	11.40	11.83	10.72
22	9.93	22.85	12.57	14.76	14.48	11.94	11.94	11.08	---	10.77	11.46	10.67
23	9.84	19.45	14.11	13.08	15.84	13.59	11.70	11.01	---	10.65	11.24	13.65
24	9.85	13.43	26.69	13.03	19.61	17.19	11.58	11.00	---	10.72	11.09	14.83
25	9.94	12.43	24.05	21.05	18.82	19.33	11.44	10.99	---	11.82	11.06	13.21
26	9.91	13.09	27.67	21.94	16.15	16.48	11.35	10.98	10.36	13.44	10.81	12.04
27	9.82	12.50	26.13	20.55	14.09	14.20	11.25	12.18	10.30	15.93	10.61	11.31
28	9.80	11.45	23.37	15.35	13.57	13.13	11.14	12.68	10.24	14.80	10.49	10.93
29	9.81	11.40	19.01	14.09	---	12.45	12.94	12.19	10.30	13.87	10.42	10.70
30	9.83	12.28	17.03	13.49	---	17.59	20.42	17.38	10.53	12.30	10.56	10.61
31	9.91	---	15.00	13.04	---	18.21	---	17.71	---	13.45	10.40	---
MEAN	10.23	12.35	17.32	15.85	17.89	16.10	15.63	15.91		12.64	13.73	11.17
MAX	13.86	22.85	27.05	27.24	27.05	23.54	24.15	22.71		21.30	24.77	14.83
MIN	9.74	9.95	11.52	12.28	12.79	12.28	11.14	10.99		10.35	10.40	10.14

PEARL RIVER BASIN

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02484000 Yockanookany River near Kosciusko, Miss.

LOCATION.--Lat 33°01'55", long 89°34'40", in NE¼NE¼ sec.33, T.14 N., R.7 E., Choctaw meridian, Attala County, on left bank at downstream side of bridge on State Highway 35, 2 miles (3 km) south of Kosciusko.

DRAINAGE AREA.--314 mi² (813 km²).

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

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.--37 years, 416 ft³/s (11.78 m³/s), 17.99 in/yr (457 mm/yr).

EXTREMES.--Current year: Maximum discharge, 18,600 ft³/s (527 m³/s) Mar. 15 (gage height, 18.86 ft or 5.749 m); minimum, 26 ft³/s (0.74 m³/s) Oct. 12, 13, 14; minimum gage height, 4.92 ft (1.500 m) Sept. 16, 17.
Period of record: Maximum discharge, 19,300 ft³/s (547 m³/s) Mar. 29, 1951 (gage height, 18.72 ft or 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.

Flood in December 1932 reached a stage of about 17 ft (5.2 m), from information by Corps of Engineers.

REMARKS.--Records good.

REVISIONS (WATER YEARS).--WSP 1504: 1946.

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	69	30	238	2250	322	199	782	1180	140	46	1470	74
2	48	30	190	1400	819	182	423	619	100	36	3280	71
3	40	31	135	563	1810	156	318	530	81	36	3440	48
4	35	35	102	475	2540	133	258	1410	63	36	2600	41
5	32	111	85	463	2470	121	224	1140	54	33	1060	39
6	31	110	102	327	2390	115	201	863	86	33	435	39
7	30	68	610	244	1600	115	182	937	134	56	252	50
8	29	49	1500	292	632	120	176	668	86	789	173	60
9	29	43	1060	469	337	104	426	494	80	1120	125	105
10	28	41	358	998	266	216	1600	424	221	323	114	66
11	28	47	205	2850	231	419	1780	342	394	242	166	48
12	27	53	251	2830	228	342	1360	236	746	213	124	42
13	27	47	218	2960	213	6800	497	173	582	100	92	40
14	27	43	163	1910	184	15900	871	136	213	60	76	39
15	40	44	164	780	181	15900	2050	280	161	48	63	38
16	70	46	186	413	2820	7800	1890	1440	177	42	65	38
17	56	112	153	307	4000	3370	1330	1980	122	38	294	71
18	42	227	123	251	4580	1500	543	1170	89	35	339	236
19	35	176	114	300	4600	1960	399	387	85	156	263	151
20	32	133	112	603	2980	1900	459	202	77	292	162	82
21	30	139	104	603	1720	1560	330	143	60	263	105	56
22	29	99	93	386	698	785	240	107	55	430	78	46
23	29	75	112	262	490	454	197	96	47	414	67	44
24	28	66	1450	235	890	642	173	90	42	180	70	47
25	28	161	2850	847	701	1330	162	84	37	862	60	50
26	28	206	2470	1620	353	983	154	100	34	2900	52	46
27	28	137	2210	1180	248	427	139	92	33	2960	47	41
28	28	98	1740	516	225	312	124	120	33	1350	43	37
29	29	79	2340	297	---	356	259	250	36	339	43	34
30	30	113	2700	241	---	963	871	440	40	205	45	34
31	31	---	2430	210	---	1290	---	250	---	221	53	---
TOTAL	1073	2649	24608	27082	38537	66454	18418	16383	4108	13858	15256	1813
MEAN	34.6	88.3	793	873	1376	2143	613	528	136	447	492	60.4
MAX	70	227	2850	2960	4600	15900	2050	1980	746	2960	3440	236
MIN	27	30	85	210	181	104	124	84	33	33	43	34
CFSM	.11	.28	2.53	2.78	4.38	6.83	1.96	1.68	.44	1.42	1.57	.19
IN.	.13	.31	2.92	3.21	4.57	7.87	2.18	1.94	.49	1.64	1.81	.21
CAL YR 1974	TOTAL	226246	MEAN	619	MAX	6670	MIN	21	CFSM	1.97	IN	26.80
WTR YR 1975	TOTAL	230239	MEAN	630	MAX	15900	MIN	27	CFSM	2.01	IN	27.28

PEAK DISCHARGE (BASE, 3,000 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
01-11	1500	13.47	3,060	07-26	2200	13.75	3,460
02-18	2400	14.75	5,280	08-03	1000	13.77	3,490
03-15	0100	18.86	18,600				

PEARL RIVER BASIN

02484500 Yockanookany River near Ofahoma, Miss.

LOCATION.--Lat 32°42'20", long 89°40'20", in NE¼NW¼ sec.22, T.10 N., R.6 E., Choctaw meridian, Leake County, near center of main span on downstream side of bridge on State Highway 16, 1.5 miles (2.4 km) east of Ofahoma, 3 miles (5 km) upstream from mouth, and 8.5 miles (13.7 km) southwest of Carthage.

DRAINAGE AREA.--484 mi² (1,254 km²).

PERIOD OF RECORD.--October 1943 to current year. Prior to October 1947, published as Yockanookany River near Ofahoma.

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.

AVERAGE DISCHARGE.--32 years, 664 ft³/s (18.80 m³/s), 18.63 in/yr (473 mm/yr).

EXTREMES.--Current year: Maximum discharge, 17,500 ft³/s (496 m³/s) Mar. 16 (gage height, 19.48 ft or 5.938 m); minimum, 34 ft³/s (0.96 m³/s) Oct. 14, 15 (gage height, 2.03 ft or 0.619 m).

Period of record: Maximum discharge, 20,700 ft³/s (586 m³/s) Mar. 31, 1951 (gage height, 20.28 ft or 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.

REMARKS.--Records fair.

REVISIONS (WATER YEARS).--WSP 1204: 1948. WSP 1504: 1949.

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	273	48	175	2350	566	638	652	535	373	48	1840	50
2	239	47	211	2370	472	442	890	750	424	55	1870	49
3	124	48	265	2230	596	413	1030	1160	329	45	1530	64
4	75	49	250	2060	1040	354	868	1740	179	68	2100	64
5	58	52	196	1650	1500	308	604	1670	147	55	3030	53
6	49	120	161	1140	2130	268	426	1840	164	52	3030	48
7	44	163	286	806	2420	246	329	2340	240	46	2230	52
8	41	155	438	732	2340	233	284	2020	224	166	1470	51
9	39	113	526	736	2150	226	485	1570	227	343	787	51
10	38	87	636	883	1670	254	941	1330	285	560	391	54
11	36	82	793	1700	1060	300	872	1090	395	679	241	80
12	36	74	905	1800	701	355	1050	843	650	765	192	68
13	35	81	729	2150	528	270	1390	672	679	471	191	50
14	35	84	474	2750	453	1260	1800	445	632	261	158	44
15	47	80	379	2880	414	1500	2170	499	743	156	157	42
16	56	75	306	2740	2380	1700	1740	638	655	102	537	41
17	70	78	284	2180	3570	1310	1760	644	359	74	203	41
18	87	90	279	1470	3580	830	1910	817	248	66	124	41
19	81	154	255	922	5730	5120	1790	1250	191	66	227	41
20	66	247	221	670	6100	3200	1420	1540	144	76	490	160
21	54	250	109	624	5080	2370	870	1170	128	191	332	139
22	48	209	188	674	3670	2100	648	600	111	281	211	88
23	44	187	214	736	2750	1920	523	268	92	285	160	65
24	42	155	1120	714	2080	1670	375	146	81	311	130	55
25	40	141	1550	824	1430	1340	276	147	73	368	187	48
26	40	155	1940	886	1070	1100	232	122	65	281	131	46
27	40	218	2410	886	996	1030	209	110	59	343	90	48
28	41	244	2580	1040	870	1150	194	100	53	622	72	47
29	43	198	2990	1240	---	1020	190	102	50	1600	63	43
30	44	169	2780	1150	---	718	305	523	47	2510	61	42
31	45	---	2450	848	---	566	---	354	---	1510	53	---
TOTAL	2014	3866	26300	43961	57450	96301	26233	27145	8057	12541	22288	1789
MEAN	64.9	124	843	1418	2051	3106	874	877	258	404	718	59.5
MAX	273	250	2990	2880	6100	17000	2170	2340	743	2510	3030	160
MIN	35	47	161	624	418	225	190	100	47	46	53	41
CFSM	.13	.27	1.75	2.93	4.24	6.42	1.81	1.81	.55	.84	1.49	.12
IN.	.15	.30	2.02	3.38	4.42	7.40	2.02	2.04	.62	.96	1.71	.14

CAL YR 1974 TOTAL 397933 MEAN 1040 MAX 8420 MIN 35 CFSM 2.25 IN 30.58
WTR YR 1975 TOTAL 327995 MEAN 848 MAX 17000 MIN 35 CFSM 1.30 IN 25.21

PEARL RIVER BASIN

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02484500 Yockanookany River near Ofahoma, Miss.--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.97	2.55	2.89	5.20	8.26	5.62	6.95	5.02		3.50	2.73	2.16
2	2.88	2.53	2.95	7.49	9.71	8.70	7.65	5.10		4.95	2.78	2.14
3	2.79	2.52	4.60	9.29	10.92	11.85	7.22	5.46		6.29	2.93	2.13
4	2.71	2.51	5.26	13.10	10.37	12.20	5.94	4.99		6.76	2.89	2.12
5	2.68	2.62	5.52	16.57	8.87	14.42	5.35	5.24		6.45	2.61	2.12
6	2.67	2.92	7.93	16.72	7.70	15.42	5.21	5.48		5.61	2.45	2.11
7	2.72	2.86	11.49	16.57	9.99	15.56	5.17	5.41		4.50	2.30	2.16
8	2.74	2.74	12.11	16.82	10.66	14.50	4.88	8.96		3.68	2.21	2.35
9	2.75	2.65	12.44	16.55	11.73	12.60	4.58	10.93		3.23	2.16	2.34
10	2.66	2.59	13.29	16.47	11.63	10.50	4.36	12.56		2.93	2.32	2.24
11		2.52	13.26	17.84	10.56	8.94	4.14	13.39		2.78	2.86	
12			12.67	17.53	9.03	8.16	3.98	12.66		2.72	3.53	
13			12.01	17.35	8.15	7.40	3.90	11.66	3.41	2.72	3.21	
14			10.88	17.26	7.32	6.34	3.88	9.62	3.15	2.72	2.71	
15			9.70	16.46	7.03	5.60	3.77	7.24	2.91	3.87	3.05	
16			9.78	14.95	6.85	5.55	4.84	6.42	2.91	4.87	3.16	
17			12.84	12.89	6.46	5.59	5.17	5.89	3.19	5.29	2.76	
18			13.38	10.59	6.81	5.79	5.13	4.80	4.04	5.49	2.49	5.10
19		2.92	12.43	8.28	7.37	6.11	5.27	4.13	3.85	5.04	2.33	5.08
20		3.03	11.82	6.68	7.29	5.93	4.66	4.05	3.40	4.22	2.24	4.75
21		3.24	12.24	6.01	7.67	5.46	3.97	3.89	3.05	.00	2.16	4.35
22		3.24	12.00	5.73	7.82	5.23	3.79	3.57	2.93	2.91	2.16	3.72
23			11.52	5.52	7.16	4.92	3.90	3.35		2.74	2.18	3.06
24	2.60	2.98	10.31	5.33	6.10	4.64	3.89	3.20		2.73	2.64	3.36
25	2.73	2.92	8.37	5.13	5.53	4.50	3.76	3.05		2.87	3.37	3.58
26	2.92	2.87	6.35	4.91	5.34	4.45	3.57	2.99		2.90	3.03	3.21
27	3.15	2.88	5.23	4.67	5.16	4.40	3.32	3.26	3.71	2.73	2.85	3.13
28	3.00	2.92	4.80	4.50	5.10	5.27	3.13	3.10	3.56	2.72	2.50	2.82
29	2.80	2.92	4.59	4.64	5.42	5.91	3.55	2.97	3.44	2.74	2.45	2.77
30	2.68	2.91	4.56	7.20	-----	6.01	4.51		3.58	3.07	2.37	2.95
31	2.58	-----	5.04	7.99	-----	6.29	-----		-----	3.19	2.23	-----
MEAN			9.11	10.85	8.00	7.87	4.65			3.75	2.63	
MAX			13.38	17.84	11.73	15.56	7.65			6.76	3.53	
MIN			2.89	4.50	5.10	4.40	3.13			0	2.16	

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.31	4.05	6.09	10.15	9.04	4.60	10.68	12.77	5.74	2.38	4.39	2.36
2	3.78	3.88	5.66	9.72	10.85	4.55	9.03	11.35	4.60	2.35	4.95	2.21
3	3.71	4.48	5.07	11.71	10.20	4.58	8.15	10.16	4.80	2.34	5.32	2.35
4	3.20	4.41	4.56	14.30	10.75	4.87	7.72	8.58	4.91	2.35	5.13	2.28
5	2.79	4.73	4.45	14.11	11.94	5.37	6.82	7.62	4.17	2.41	3.88	2.25
6	2.56	4.52	4.83	14.93	11.89	5.60	5.82	7.29	3.71	2.51	3.10	2.36
7	2.53	4.03	5.43	15.86	10.94	6.69	7.22	8.07	3.50	2.64	2.78	2.30
8	2.67	3.92	5.51	17.00	9.26	7.34	9.24	10.76	4.74	2.55	2.59	2.33
9	2.56	4.15	5.34	17.02	7.70	7.77	8.93	10.16	3.64	3.51	2.53	2.43
10	2.43	5.05	5.78	16.60	6.76	8.37	9.58	10.20	3.29	4.06	2.44	2.38
11	2.30	5.45	8.57	16.22	6.56	11.96	10.70	11.07	3.18	4.62	2.41	3.29
12	2.23	5.09	9.23	15.81	6.56	15.42	10.67	10.92	3.23	4.07	2.31	2.66
13	2.17	4.39	9.61	14.77	6.30	14.57	9.54	10.23	3.36	3.53	2.24	2.27
14	2.16	4.85	10.71	12.95	8.82	14.25	7.72	8.29	3.93	3.34	2.34	2.17
15	2.16	4.71	14.03	10.84	10.60	13.89	6.13	6.96	4.19	4.04	2.28	2.09
16	2.15	4.85	16.13	8.67	12.13	15.57	6.91	7.30	5.06	4.43	2.68	2.07
17	2.15	4.62	15.38	7.05	14.20	18.03	11.19	7.28	5.15	3.69	2.49	2.11
18	2.15	4.34	15.14	6.22	14.23	18.33	11.69	5.81	4.20	3.45	2.59	2.11
19	2.14	5.10	14.86	7.15	14.08	18.86	12.65	4.64	3.47	3.06	3.07	2.06
20	2.13	5.89	15.10	6.88	12.77	17.99	13.59	4.36	3.15	4.20	3.15	2.01
21	2.13	6.44	15.69	7.35	10.45	16.62	14.30	4.35	3.00	4.37	2.88	1.97
22	2.16	6.75	14.55	10.71	8.10	14.76	13.87	4.31	2.83	3.47	2.60	1.93
23	3.13	6.75	12.53	12.52	6.51	12.43	13.30	4.30	2.72	2.93	2.41	1.91
24	3.64	6.06	11.41	12.51	5.72	10.34	11.95	6.01	2.80	2.69	2.26	1.89
25	4.34	5.73	10.98	12.66	5.36	13.61	10.79	7.11	2.94	2.54	2.18	1.87
26	4.44	6.00	10.10	12.71	5.13	13.90	10.75	6.16	2.68	2.47	2.18	1.86
27	4.60	5.93	8.56	12.49	4.90	14.26	12.10	5.05	2.55	2.45	2.17	1.87
28	4.91	6.25	7.03	10.93	4.73	14.83	12.29	7.11	2.48	2.49	2.17	1.93
29	5.20	6.53	5.90	7.22	-----	14.97	13.05	6.32	2.37	3.45	2.25	2.01
30	5.47	6.46	5.99	8.56	-----	14.38	13.31	6.11	2.35	4.10	3.65	2.73
31	5.01	-----	10.17	8.28	-----	12.69	-----	6.28	-----	3.67	2.61	-----
MEAN	3.11	5.18	9.50	11.80	9.16	11.98	10.32	7.64	3.62	3.23	2.90	2.20
MAX	5.47	6.75	16.13	17.02	14.23	18.86	14.30	12.77	5.74	4.62	5.32	3.29
MIN	2.13	3.88	4.45	6.22	4.73	4.55	5.82	4.30	2.35	2.34	2.17	1.86

PEARL RIVER BASIN

02484500 Yockanookany River near Ofahoma, Miss.--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.71	2.60	12.85	14.76	14.76	8.52	13.93	4.59	4.27	3.44	2.53	4.99
2	5.21	2.76	12.37	12.63	14.29	6.90	14.10	4.22	4.03	3.12	2.39	4.93
3	5.28	2.95	11.28	11.20	13.16	6.09	13.44	3.99	4.74	2.90	2.29	3.96
4	4.07	2.91	9.83	12.33	11.25	5.68	11.43	3.90	5.02	2.78	2.24	3.74
5	3.20	4.78	7.94	11.29	9.32	5.43	9.50	2.91	4.61	2.67	2.20	3.31
6	2.85	4.87	6.57	11.79	8.34	5.22	8.47	4.30	7.21	2.60	2.14	2.94
7	2.65	5.19	6.35	16.44	8.62	5.01	7.54	5.18	7.58	3.84	2.18	2.71
8	2.49	5.40	6.19	16.88	9.27	4.82	6.47	5.28	7.90	4.26	2.23	2.63
9	2.40	4.60	5.48	16.27	10.16	4.69	5.49	4.39	11.91	3.26	2.26	2.55
10	2.30	4.52	4.71	17.05	11.81	4.57	5.00	3.79	13.52	2.82	2.27	2.52
11	2.23	5.31	4.32	17.36	11.92	4.47	4.74	3.66	11.79	2.61	2.46	2.73
12	2.19	5.98	4.11	16.57	11.01	4.87	7.56	4.25	10.21	2.49	2.46	3.30
13	2.20	6.50	3.96	16.27	9.55	5.53	16.14	4.56	8.10	2.46	2.36	3.26
14	2.15	5.81	3.86	16.00	7.99	5.95	16.17	4.76	5.79	2.43	3.25	3.03
15	2.14	4.26	3.89	16.69	9.53	6.20	16.10	4.39	4.38	2.68	4.58	2.71
16	2.47	3.62	3.84	16.54	14.32	5.89	16.16	3.79	3.88	3.65	4.98	2.50
17	4.50	3.34	3.71	15.64	15.38	5.14	16.16	3.39	3.57	2.94	4.94	2.38
18	5.70	3.18	3.60	14.63	15.38	4.75	15.13	3.20	3.35	2.55	3.89	2.29
19	5.93	3.08	3.57	14.04	14.93	4.84	13.06	3.16	3.21	2.58	3.02	2.24
20	4.63	3.06	5.84	14.29	14.62	6.88	10.42	3.02	3.79	3.16	2.66	2.17
21	3.39	5.62	6.14	14.41	13.71	7.29	7.53	2.90	4.46	4.36	2.46	2.12
22	2.91	6.54	6.39	13.44	14.47	7.55	6.62	2.83	3.99	4.43	2.31	2.08
23	2.69	6.66	7.01	14.37	13.64	8.76	8.75	2.78	3.98	4.82	2.22	2.03
24	2.54	7.41	7.76	16.27	12.87	11.44	8.37	2.75	4.49	5.16	2.13	2.01
25	2.45	8.34	14.04	17.67	13.07	12.18	9.13	2.82	5.07	5.05	2.07	2.00
26	2.36	8.94	16.65	17.17	13.04	11.20	11.13	7.69	6.03	4.24	2.04	2.16
27	2.30	8.73	16.98	17.15	12.52	9.27	11.35	12.23	7.15	3.51	2.01	2.24
28	2.29	11.69	17.02	17.38	10.74	7.31	10.27	9.94	7.92	3.11	1.98	2.66
29	2.28	13.16	17.06	17.22	-----	7.56	7.91	8.97	6.53	2.88	2.16	2.85
30	2.27	12.69	17.06	16.43	-----	10.97	5.53	8.11	4.19	2.75	2.47	3.14
31	2.43	-----	16.31	15.50	-----	12.92	-----	5.97	-----	2.67	3.54	-----
MEAN	3.14	5.82	8.60	15.36	12.13	7.03	10.45	4.80	6.09	3.30	2.67	2.81
MAX	5.93	13.16	17.06	17.67	15.38	12.92	16.17	12.23	13.52	5.16	4.98	4.99
MIN	2.14	2.60	3.57	11.20	7.99	4.47	4.74	2.75	3.21	2.43	1.98	2.00

GAGE HEIGHT, IN FEET WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.37	2.30	3.75	12.50	6.18	6.54	6.62	6.02	5.13	2.29	11.10	2.33
2	4.18	2.28	4.06	12.56	5.68	5.79	7.70	7.20	5.41	2.43	11.21	2.32
3	3.26	2.30	4.48	12.20	6.31	5.35	8.31	8.79	4.87	2.94	10.10	2.35
4	2.72	2.32	4.37	11.74	8.34	5.02	7.60	10.95	3.79	2.61	11.79	2.56
5	2.47	2.53	3.93	10.63	9.99	4.75	6.37	10.57	3.49	2.41	14.00	2.39
6	2.32	3.23	3.64	8.75	11.89	4.50	5.42	11.03	3.66	2.36	14.00	2.29
7	2.21	3.65	4.59	7.32	12.67	4.34	4.88	12.47	4.29	2.68	12.18	2.37
8	2.15	3.58	5.48	6.98	12.48	4.24	4.60	11.61	4.21	3.68	9.90	2.35
9	2.11	3.17	5.98	7.00	11.99	4.18	5.61	10.22	4.19	4.96	7.21	2.35
10	2.09	2.86	6.54	7.59	10.55	4.46	7.92	9.43	4.61	6.13	5.22	2.46
11	2.05	2.81	7.26	10.66	8.38	4.70	7.62	8.54	5.24	6.73	4.30	2.79
12	2.05	2.76	7.77	11.00	6.82	5.03	8.38	7.67	6.60	7.13	3.90	2.61
13	2.04	2.80	6.96	12.10	5.99	11.43	9.64	6.70	6.74	5.66	3.89	2.34
14	2.03	2.84	5.69	13.44	5.57	18.43	10.93	5.52	6.52	4.43	3.61	2.21
15	2.28	2.79	5.16	13.70	5.38	18.97	12.03	5.82	7.03	3.57	3.53	2.17
16	2.43	2.71	4.74	13.42	12.03	19.39	10.79	6.54	6.61	3.03	6.02	2.16
17	2.64	2.76	4.60	12.08	14.84	18.58	10.84	6.58	5.04	2.76	3.92	2.16
18	2.87	2.90	4.57	9.90	14.94	17.35	11.31	7.37	4.36	2.59	3.27	2.16
19	2.80	3.57	4.41	7.84	16.54	16.21	10.96	9.15	3.88	2.58	4.15	2.52
20	2.58	4.34	4.14	6.70	16.70	14.20	9.73	10.14	3.51	2.72	5.77	3.62
21	2.40	4.37	3.96	6.48	16.22	12.56	7.61	9.86	3.32	3.83	4.89	3.41
22	2.29	4.03	3.87	6.72	14.94	11.46	6.59	6.30	3.14	4.58	4.04	2.88
23	2.21	3.86	4.02	7.00	13.42	11.34	5.96	4.48	2.93	4.48	3.63	2.57
24	2.18	3.58	8.63	6.90	11.76	10.58	5.14	3.84	2.80	4.76	3.33	2.41
25	2.14	3.45	10.18	7.40	9.75	9.59	4.55	3.51	2.69	5.10	3.85	2.30
26	2.14	3.58	11.40	7.68	8.44	8.59	4.23	3.26	2.57	4.58	3.32	2.26
27	2.13	4.11	12.64	7.68	8.15	8.56	4.04	3.13	2.48	5.23	2.91	2.29
28	2.15	4.33	13.28	8.35	7.61	8.84	3.91	3.02	2.39	6.44	2.67	2.27
29	2.19	3.95	13.92	9.13	---	8.24	3.87	3.01	2.33	10.20	2.54	2.20
30	2.22	3.71	13.50	8.92	---	6.90	4.70	5.94	2.28	12.76	2.52	2.17
31	2.24	---	12.73	7.51	---	6.19	---	5.01	---	10.03	2.39	---
MEAN	2.45	3.25	6.78	9.42	10.48	9.57	7.26	7.18	4.20	4.64	5.97	2.45
MAX	4.37	4.37	13.92	13.70	16.70	19.39	12.03	12.47	7.03	12.76	14.00	3.62
MIN	2.03	2.28	3.64	6.48	5.38	4.18	3.87	3.01	2.28	2.26	2.39	2.16

PEARL RIVER BASIN

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02486000 Pearl River at Jackson, Miss.

LOCATION.--Lat 32°17'20", long 90°10'45", in NE¼SE¼ sec.10, T.5 N., R.1 E., Choctaw meridian, Rankin County, on left bank at downstream side of Woodrow Wilson Bridge at eastern city limits of Jackson, 0.2 mile (0.3 km) upstream from Illinois Central Railroad Bridge, 0.2 mile (0.3 km) upstream from Town Creek, 4.5 miles (7.2 km) upstream from Richland Creek, and at mile 287.6 (462.7 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. Gage-height records collected at same site 1904 to 1971 are contained in reports of National Weather Service.

GAGE.--Water-stage recorder. Datum of gage is 234.90 ft (71.598 m) above mean sea level (levels by Corps of Engineers). Prior to Dec. 31, 1913; and Aug. 15, 1928, to Sept. 14, 1934, nonrecording gage at same site and datum. Since Oct. 1, 1962, auxiliary water-stage recorder and concrete control at Jackson waterworks pumping plant, 7 miles (11 km) upstream. Datum of auxiliary gage is 239.40 ft (72.969 m) above mean sea level.

AVERAGE DISCHARGE.--58 years (1901-12, 1928-75), 3,900 ft³/s (110.4 m³/s), 17.08 in/yr (434 mm/yr).

EXTREMES.--Current year: Maximum discharge, 34,400 ft³/s (974 m³/s) Mar. 20 (gage height, 32.43 ft or 9.885 m at Woodrow Wilson Bridge); maximum gage height at waterworks, 29.88 ft or 9.107 m Mar. 20; minimum daily discharge, 292 ft³/s (8.27 m³/s) Nov. 13.
Period of record: Maximum discharge, 85,000 ft³/s (2,410 m³/s) Mar. 31, 1902 (gage height, 37.5 ft or 11.43 m) 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; minimum unregulated gage height, 0.20 ft (0.061 m) Nov. 4, 5, 1911.
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). 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.

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, 19 miles (31 km) upstream. See following pages for tables of mean daily gage height for water years 1972-75.

REVISIONS (WATER YEARS).--WSP 662: Drainage area. WSP 1504: 1903, 1909.

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	484	1420	2040	20800	5290	10200	7200	4220	5850	626	8160	638
2	753	1540	2200	14200	4890	8500	6640	4020	5010	674	13200	456
3	1040	1500	4250	14400	4890	6940	7080	10100	3540	906	20100	424
4	450	1380	4450	17100	7410	4510	7110	13300	1900	930	23400	408
5	350	1340	3520	14900	8500	2520	6070	12900	1110	1190	21500	408
6	542	1140	2400	13000	9780	1830	4840	14300	1100	1130	19900	584
7	542	797	4050	10500	10500	1690	3680	17200	1110	866	18800	856
8	230	381	4400	4850	10800	1630	2910	17900	1380	767	17200	1150
9	852	314	8450	10500	10900	1590	4240	17700	2020	1480	15700	898
10	671	301	9720	10100	10700	1830	6220	14500	3090	3200	13500	715
11	450	350	10100	12000	4020	2350	7520	18700	4920	5490	10500	890
12	408	299	4190	15100	7790	2870	8480	16500	5590	3990	8290	430
13	363	292	7720	14100	6580	5410	9270	13500	6150	2660	7210	378
14	355	419	5960	14300	5320	8460	11100	11800	6280	2400	6730	360
15	456	756	5010	20600	4650	12710	12400	12700	6370	1710	5980	350
16	1050	767	4750	21700	11400	20510	11200	14500	6430	990	4980	363
17	1520	1530	6500	22300	15100	26910	11500	15700	6290	584	3760	453
18	1960	1440	2320	22600	20100	31200	11900	13000	5520	626	3150	614
19	1500	1270	2540	21200	26600	31700	12000	9150	4330	866	2680	608
20	1320	2700	4200	17900	26500	34010	11400	6430	4500	1030	1600	599
21	732	2750	3010	14000	25100	32500	10300	5260	2750	1300	1590	602
22	491	4240	1730	11900	26200	26010	8890	4530	2210	2520	1800	681
23	449	5200	2320	10700	26000	22200	8120	3120	1520	2570	2200	1040
24	449	5430	10400	4380	22600	19400	7290	1770	1400	1130	2240	808
25	845	5520	16400	7600	18800	17600	5680	1610	978	1610	2540	815
26	434	5320	21500	7360	17100	16910	3650	1580	883	2140	2660	911
27	828	4520	25100	7830	15400	17110	2580	1540	674	1590	2520	808
28	424	2260	25100	7270	12500	14300	1410	1510	681	3130	2050	801
29	1020	1560	25500	7420	---	11010	1900	1800	684	4770	1530	784
30	1380	2440	26600	7460	---	9340	5200	3190	634	5740	1350	424
31	1440	---	24400	8520	---	4210	---	4790	---	6530	1070	---
TOTAL	22494	58565	244590	434000	301500	412100	218180	302220	94912	65145	247890	19156
MEAN	332	1724	4502	14000	13625	13243	7272	4749	3163	2101	7996	638
MAX	1040	5690	26900	22600	26600	34010	12400	14700	6430	6530	23400	1150
MIN	355	292	1730	4530	4650	1810	1510	1510	638	584	1070	350
CFR50	.30	.64	4.07	4.52	4.40	4.29	2.35	3.14	1.02	.68	2.58	.21
FR	.35	.72	4.54	7.21	4.54	4.45	2.62	3.63	1.14	.78	2.97	.23

CFR 50 1974 TOTAL 2702713 MEAN 7404 MAX 34700 MIN 292 CFR50 2.39 IN 32.43
FR 50 1975 TOTAL 2558557 MEAN 7006 MAX 34000 MIN 292 CFR50 2.26 IN 30.70

PEARL RIVER BASIN

02486000 Pearl River at Jackson, Miss.--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1				8.19	17.54	9.53	16.56	3.56	2.24	2.57	3.00	2.07
2				14.34	19.35	18.45	10.11	9.22	2.16	2.55	2.94	1.90
3				17.18	19.81	22.00	7.47	15.28	2.13	2.67	2.92	1.88
4				22.17	19.83	23.01	7.94	12.72	2.12	2.64	2.90	2.08
5				25.56	19.72	24.37	7.80	10.49	2.28	2.57	2.88	2.88
6				26.73	20.24	25.01	7.61	7.92	2.71	2.54	2.88	2.70
7				27.18	22.80	25.04	7.41	8.24	2.64	2.55	2.85	2.67
8				27.86	22.58	24.77	7.40	9.84	2.65	2.53	2.83	2.66
9				28.56	23.20	24.30	7.35	8.12	2.64	2.57	2.84	2.57
10				30.59	24.40	23.75	7.28	7.82	2.64	2.58	2.82	2.50
11				31.32	24.90	22.30	7.00	8.29	2.62	2.62	2.81	2.47
12				31.45	25.10	21.18	5.60	10.45	2.55	2.89	3.29	2.49
13				31.81	25.40	20.13	4.65	15.16	2.68	3.50	3.16	2.49
14				31.91	24.30	17.61	4.50	16.01	2.71	2.76	2.91	2.47
15				32.01	21.20	14.95	4.44	12.66	3.20	2.62	2.77	2.48
16				32.38	19.30	11.82	5.26	9.33	3.07	2.66	2.73	2.54
17				32.52	19.60	10.02	4.31	8.67	2.74	2.74	2.70	2.54
18				32.05	20.00	9.55	3.40	8.43	2.58	2.69	2.69	2.40
19				30.76	18.70	9.41	3.06	6.76	2.55	2.81	2.70	2.40
20				29.04	16.90	9.33	3.26	3.56	2.54	2.68	2.66	2.70
21				26.37	15.80	9.27	3.32	3.23	2.69	2.61	2.65	2.73
22				23.54	15.10	9.22	4.84	3.06	2.69	2.75	2.60	2.70
23				21.30	15.10	8.96	4.64	2.83	2.64	2.72	2.65	2.71
24				19.25	14.20	8.02	4.59	2.75	2.62	2.75	2.54	2.62
25				17.37	10.13	8.06	4.99	2.72	2.75	2.59	2.11	2.69
26				15.47	7.50	7.64	6.25	2.70	2.65	2.61	2.10	2.90
27				11.18	7.16	5.84	4.63	2.66	2.60	2.58	2.02	2.82
28				9.58	7.38	8.60	3.46	2.63	2.59	2.57	2.00	3.30
29				9.64	9.04	12.64	3.47	2.57	2.89	7.72	2.98	2.71
30				13.43	-----	14.21	3.29	2.54	2.68	4.44	2.97	3.54
31		-----		16.87	-----	17.34	-----	2.53	-----	3.50	2.87	-----
MEAN				23.47	18.15	15.37	5.86	7.19	2.61	2.92	2.75	2.60
MAX				32.52	25.40	25.04	16.56	16.01	3.20	7.72	3.29	3.54
MIN				8.19	7.16	5.84	3.06	2.53	2.12	2.53	2.02	1.88

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.67	2.71	7.95	23.12	21.47	8.81	26.99	24.53	12.05	3.80	8.04	2.94
2	2.57	2.96	7.70	24.02	23.36	7.96	25.99	24.39	11.59	3.80	8.89	3.55
3	2.51	2.77	7.62	25.26	24.43	7.36	25.40	24.53	11.18	4.53	9.70	3.13
4	2.49	2.74	7.65	26.43	25.30	9.16	25.14	24.10	8.38	4.28	9.69	3.42
5	2.72	2.73	7.78	26.63	25.57	9.11	24.63	21.67	6.19	3.92	9.59	4.17
6	2.72	3.01	8.24	27.14	25.64	8.84	24.16	19.35	6.03	3.75	9.06	5.88
7	2.66	4.46	7.97	27.33	25.55	11.52	24.39	20.07	5.95	3.52	5.47	6.88
8	2.60	6.58	7.69	28.43	24.83	12.72	24.88	23.66	6.29	3.50	4.10	5.49
9	2.57	6.70	7.84	29.19	24.18	17.27	24.85	24.25	7.36	3.44	3.28	5.34
10	2.67	6.23	9.24	29.62	21.74	13.58	24.63	24.31	7.36	3.40	3.17	5.01
11	2.68	5.06	11.05	30.20	19.51	17.27	24.36	24.08	7.50	3.37	3.34	4.18
12	2.68	5.03	10.22	30.49	18.14	18.02	24.14	23.97	7.42	3.38	3.25	4.14
13	2.68	6.19	13.58	30.11	17.45	19.54	22.82	23.87	7.35	3.30	3.18	4.31
14	2.68	9.16	16.56	28.54	18.95	21.81	20.17	22.94	7.32	3.32	3.20	4.17
15	2.68	7.55	22.28	28.03	20.34	22.80	18.40	19.61	7.27	3.33	3.13	4.13
16	2.68	6.32	23.92	27.03	22.12	23.95	22.67	15.05	5.98	3.31	3.11	4.11
17	2.68	5.13	24.21	29.31	23.02	25.96	27.44	12.24	5.80	3.72	3.44	4.10
18	2.68	5.08	24.25	29.63	23.31	26.88	31.30	11.48	5.76	4.42	4.31	4.09
19	2.70	5.12	24.29	29.31	23.42	28.16	32.86	10.70	5.28	5.31	4.33	4.07
20	2.72	5.08	25.02	18.59	23.34	30.24	32.18	10.47	4.49	5.43	4.80	4.06
21	2.69	5.06	27.84	15.07	22.17	31.31	31.48	10.00	5.53	5.40	6.88	4.01
22	3.36	5.33	29.08	16.89	20.06	32.05	31.19	7.59	4.18	5.27	6.57	3.11
23	3.56	6.58	29.12	17.36	19.72	32.04	30.93	6.59	4.02	5.41	4.36	2.93
24	2.77	6.68	28.97	19.37	18.20	31.44	29.91	8.42	3.91	5.31	4.14	2.92
25	2.72	9.08	28.76	21.61	16.97	31.91	29.33	9.69	3.91	5.35	3.18	2.91
26	2.72	8.31	28.62	22.49	12.83	31.18	28.66	10.84	4.00	5.33	3.01	2.91
27	3.01	8.06	28.21	20.13	9.64	30.34	27.39	13.10	5.36	5.10	3.00	2.93
28	2.75	8.13	28.07	18.11	9.10	29.77	26.19	13.54	4.03	4.52	2.97	3.09
29	2.74	8.15	23.24	17.12	-----	29.30	25.42	13.53	3.83	4.93	3.07	3.56
30	2.72	8.06	21.55	16.66	-----	28.06	24.91	14.05	3.82	4.28	3.00	3.29
31	2.71	-----	22.19	16.59	-----	27.76	-----	13.06	-----	4.47	2.95	-----
MEAN	2.74	5.77	14.35	23.84	20.73	21.81	26.43	16.93	6.30	4.28	4.85	3.96
MAX	3.56	9.08	29.12	30.49	25.64	32.05	32.86	24.53	12.05	5.43	9.70	6.88
MIN	2.49	2.71	7.62	15.07	9.10	7.36	18.40	6.59	3.82	3.30	2.95	2.91

PEARL RIVER BASIN

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02486000 Pearl River at Jackson, Miss.--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.30	3.19	23.67	32.53	33.40	24.19	18.07	11.51	14.32	6.83	3.22	6.58
2	5.01	3.15	24.52	32.45	32.74	22.61	19.89	9.90	9.90	5.99	3.20	7.49
3	5.17	3.99	24.04	32.37	31.93	21.07	21.86	9.11	8.85	4.70	3.59	9.54
4	5.83	4.92	23.62	31.53	31.43	18.03	22.02	7.82	7.87	4.55	3.34	10.97
5	5.66	6.28	22.46	30.28	30.22	12.55	22.66	7.70	6.79	4.50	3.24	10.59
6	4.28	6.80	21.16	28.47	28.21	10.05	22.33	9.06	13.52	4.52	3.23	9.63
7	4.13	7.79	20.40	27.78	26.62	9.27	22.55	9.08	16.37	4.68	3.24	8.51
8	3.87	8.90	19.94	27.64	26.13	9.04	21.46	8.45	18.86	5.32	3.33	13.11
9	3.10	10.04	19.60	28.69	25.29	8.94	18.83	6.57	19.40	5.33	3.27	9.36
10	3.10	9.97	19.17	29.84	24.26	8.84	17.49	5.93	15.66	5.22	3.27	7.53
11	3.00	9.63	16.90	31.04	23.53	8.88	16.90	7.98	15.80	4.52	3.25	7.53
12	3.00	9.30	13.98	32.02	22.90	9.11	17.68	9.53	16.14	4.35	3.92	7.24
13	2.90	6.91	8.92	32.21	21.39	8.82	28.77	6.95	16.23	3.52	4.30	6.83
14	2.95	5.05	8.13	32.42	18.64	9.27	32.08	6.68	15.81	3.46	4.79	5.63
15	3.05	4.00	8.06	32.59	21.43	9.15	32.93	6.82	11.89	3.44	5.82	5.53
16	4.24	3.16	7.96	33.02	27.33	9.60	33.40	8.35	10.46	3.71	6.11	5.42
17	5.27	2.33	7.91	32.93	28.85	9.07	33.53	6.46	8.93	4.38	6.01	4.79
18	5.10	2.00	7.83	32.71	30.04	8.71		5.79	6.90	4.42	5.92	4.67
19	5.08	4.14	7.95	31.63	30.92	7.96		5.73	5.69	5.08	4.53	4.51
20	5.09	9.39	10.50	31.25	30.90	7.95	33.50	5.69	5.60	4.24	4.43	4.01
21	5.04	8.32	16.26	30.85	31.01	9.48	31.48	5.71	5.30	3.55	4.43	3.73
22	4.78	9.55	15.36	29.75	31.54	11.58	29.01	6.39	4.77	4.07	4.25	3.53
23	3.20	11.94	14.51	29.86	30.63	11.92	29.56	6.50	4.75	4.22	3.64	3.55
24	2.91	13.80	17.22	31.81	30.00	11.92	26.44	5.00	4.96	4.43	3.38	3.40
25	2.86	14.25	23.83	33.15	29.58	12.25	24.05	4.80	7.01	4.37	3.37	4.64
26	2.85	13.89	27.94	33.30	27.97	13.16	22.98	4.99	8.61	4.75	3.62	5.30
27	2.86	13.89	30.32	33.05	26.15	15.71	22.05	5.49	8.52	5.30	3.65	4.77
28	2.87	19.28	32.26	33.24	25.03	17.38	20.72	10.97	7.68	5.09	3.90	4.21
29	2.70	21.64	32.90	33.31	-----	18.44	19.36	14.66	6.89	4.41	3.75	6.39
30	2.67	22.60	32.68	33.42	-----	17.68	16.03	11.85	6.83	3.48	5.46	4.78
31	3.69	-----	32.56	33.48	-----	17.78	-----	11.67	-----	3.27	7.73	-----
MEAN	3.86	9.00	19.11	31.59	27.79	12.59		7.84	10.34	4.51	4.17	6.46
MAX	5.83	22.60	32.90	33.48	33.40	24.19		14.66	19.40	6.83	7.73	13.11
MTN	2.67	2.00	7.83	27.64	18.64	7.95		4.80	4.75	3.27	3.20	3.40

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.67	7.16	8.07	28.63	14.49	21.87	17.66	19.35	15.42	4.32	19.21	4.89
2	4.87	7.08	8.39	27.89	13.77	19.90	16.74	20.55	13.99	4.47	23.99	4.29
3	5.44	6.92	12.49	27.50	13.69	17.21	17.47	21.80	11.04	5.14	28.29	4.18
4	5.43	6.70	12.89	26.72	18.02	12.96	24.22	7.80	7.80	5.19	29.63	4.13
5	5.44	6.62	11.16	25.33	19.82	9.04	15.78	24.02	6.15	5.85	28.93	4.13
6	5.43	6.18	9.36	24.09	21.48	7.59	13.66	24.91	6.12	5.70	28.24	4.74
7	5.44	5.30	19.05	22.24	22.23	7.38	11.35	26.76	6.16	5.03	27.72	5.55
8	5.42	3.95	19.66	21.55	22.48	7.26	9.81	27.20	6.75	4.73	26.76	6.33
9	5.21	3.69	20.03	22.15	22.54	7.17	12.35	27.13	8.05	6.43	25.88	5.68
10	4.69	3.64	21.41	21.79	22.34	7.66	16.04	27.55	10.14	9.87	24.42	5.17
11	4.64	3.85	21.82	23.38	20.54	8.71	18.20	27.65	13.83	14.31	22.21	5.65
12	3.81	3.64	21.68	25.45	18.62	9.73	19.78	26.33	14.98	11.44	19.48	4.24
13	3.67	3.61	18.52	27.35	16.64	14.52	20.86	24.38	15.92	8.81	17.68	4.06
14	3.65	4.07	15.44	27.94	14.53	19.75	22.67	23.24	16.13	8.29	16.88	4.00
15	5.21	5.21	14.01	28.53	13.25	23.71	23.65	23.88	16.29	6.91	15.63	3.96
16	5.77	5.24	13.49	29.01	22.85	28.38	22.82	25.09	16.39	5.33	13.95	4.02
17	6.83	7.03	12.99	29.24	25.46	30.64	23.03	25.84	16.15	4.18	11.50	4.35
18	7.51	6.96	8.64	29.33	28.21	31.72	23.32	23.99	14.86	4.31	10.29	4.90
19	6.81	6.53	9.07	28.78	30.58	31.83	23.42	20.71	12.64	5.02	9.35	4.88
20	6.45	9.39	12.40	27.21	30.56	32.34	22.94	17.05	12.99	5.65	7.19	4.86
21	4.95	9.49	10.01	24.61	30.45	32.02	21.98	14.43	9.40	6.42	7.17	4.87
22	4.16	12.46	7.46	23.34	30.48	30.36	20.37	13.05	8.23	9.04	7.60	5.12
23	5.32	14.34	9.51	22.40	30.41	29.18	19.20	10.23	6.74	9.13	8.39	6.11
24	5.33	14.72	22.01	19.64	29.31	28.00	17.82	7.53	6.39	6.20	8.48	5.51
25	5.33	15.15	24.26	18.34	27.71	27.14	15.13	7.22	5.32	7.19	9.07	5.53
26	5.32	14.54	24.86	17.94	26.77	26.65	11.26	7.15	5.07	8.28	9.32	5.53
27	5.30	12.96	30.17	18.72	25.63	26.72	9.15	7.07	4.47	7.17	9.04	5.52
28	5.30	9.52	30.18	19.45	23.81	24.84	7.61	7.02	4.49	10.23	8.11	5.51
29	5.79	7.91	30.57	19.70	---	22.64	7.79	7.60	4.51	13.51	7.08	5.46
30	6.64	8.76	30.68	18.75	---	20.94	14.25	10.35	4.36	15.24	6.72	4.30
31	7.19	---	29.77	16.55	---	19.33	---	13.56	---	16.55	6.07	---
MEAN	5.39	7.72	17.61	23.99	22.74	20.55	17.12	18.93	10.03	7.74	15.94	4.92
MAX	7.51	15.15	30.68	24.33	30.58	32.34	23.65	27.65	16.39	16.55	29.63	6.33
MTN	3.65	3.61	7.46	16.55	13.25	7.17	7.61	7.02	4.36	4.18	6.07	3.96

PEARL RIVER BASIN

02488500 Pearl River near Monticello, Miss.

LOCATION.--Lat 31°33', long 90°05', in SW¼ sec.23, T.7 N., R.21 W., St. Stephens meridian, Lawrence County, near left bank on downstream side of pier of bridge on U.S. Highway 84, 1.0 mile (1.6 km) east of Monticello, 2.5 miles (4.0 km) upstream from Halls Creek, 3 miles (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. Gage-height records collected in vicinity since 1924, are contained in reports of National Weather Service.

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.

AVERAGE DISCHARGE.--37 years, 6,350 ft³/s (179.8 m³/s), 17.11 in/yr (435 mm/yr).

EXTREMES.--Current year: Maximum discharge, 47,900 ft³/s (1,360 m³/s) May 8 (gage height, 27.74 ft or 8.455 m); minimum, 687 ft³/s (19.5 m³/s) Nov. 16 (gage height, 5.26 ft or 1.603 m).
Period of record: Maximum discharge, 78,200 ft³/s (2,210 m³/s) Apr. 14, 1974 (gage height, 32.28 ft or 9.839 m); minimum, 269 ft³/s (7.62 m³/s) Oct. 24, 1963.

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 or 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 or 9.190 m, from floodmark).

REMARKS.--Records good. See following pages for tables of daily gage height for water years 1972-75. Records of chemical analyses for the current year are published in the water-quality section of this report.

REVISIONS (WATER YEARS).--WSP 1504: 1939, 1949.

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	3470	1860	4170	23700	8900	22200	16000	20200	4480	2500	13500	2640
2	2280	2030	4000	23300	7720	19700	13000	25000	5290	2620	20700	2230
3	1420	2020	3420	23100	6640	16400	13800	25200	5660	2400	18700	1810
4	1160	1960	3750	22500	6630	14400	13000	25100	5000	2460	18200	1490
5	1220	1890	4620	21500	8200	13300	10900	25900	3800	2000	19000	1400
6	1210	1780	5250	20500	9730	8370	9480	27300	3200	1840	20200	1880
7	1190	1680	16300	19400	10300	4760	7640	31900	2660	2110	20200	4060
8	1170	1480	22200	22500	10300	3630	5970	44900	7230	1980	19600	3500
9	1160	1200	23000	23100	10400	3240	5300	43900	10200	1700	19000	3260
10	1150	906	21200	22300	10500	3000	5330	37500	6480	1860	18600	2690
11	1090	785	18700	27700	10600	2840	7110	32000	8400	2570	18000	2150
12	950	930	16200	29600	10500	3100	8150	28200	9360	4160	17300	2030
13	880	870	13800	24100	10300	4060	8640	24900	8060	5060	15600	1870
14	780	900	12200	27700	9270	9100	9590	22400	7210	3970	13100	1450
15	780	728	10600	26000	7680	11300	12800	22200	7160	3190	10000	1190
16	1510	710	9290	24300	17000	12200	14200	23800	8330	2750	8460	1090
17	2830	1030	7630	22200	27500	13000	14200	24600	8680	2220	7860	1060
18	2340	3030	6570	20900	27400	17500	13500	23000	7640	1760	7180	1110
19	2650	4540	5520	20300	26200	21900	12400	20700	7580	1530	6380	1180
20	2310	4320	4420	20400	25700	23600	11700	19100	7080	1590	5570	1320
21	1970	4580	4940	20700	25700	25000	11400	14900	7990	1650	4500	1280
22	1710	4220	5210	20800	25200	26400	11100	10600	7690	2020	3890	1230
23	1200	4530	4220	20100	25300	27600	10600	7360	5440	2750	3660	1240
24	865	5340	12800	18100	26300	28500	9680	5670	3960	3050	3530	1400
25	1030	5640	22100	17500	26300	29200	8590	4270	3190	2740	3760	1640
26	1130	5930	25000	14600	26200	29100	7430	3390	2660	2350	3950	1500
27	1100	5890	27600	17100	25600	28000	5680	3150	2230	3160	4140	1390
28	1090	5610	28600	13600	24200	25800	4010	3150	2080	3090	4040	1380
29	1190	4520	28500	11000	---	23300	3140	3040	2110	3120	3740	1360
30	1750	3610	26900	9930	---	21100	8700	3320	2000	3930	3260	1350
31	1740	---	24900	9580	---	18600	---	3790	---	5330	2920	---
TOTAL	46225	84319	424610	647110	466270	510510	293040	609440	172850	83500	338540	53180
MEAN	1491	2810	13697	20874	16652	16467	9768	19659	5761	2693	10920	1772
MAX	3470	5930	28600	29600	27500	29200	16000	44900	10200	5330	20700	4060
MIN	780	710	3420	9580	6630	2840	3140	3040	2000	1530	2920	1060
CFSM	.30	.56	2.72	4.14	3.30	3.27	1.94	3.90	1.14	.53	2.17	.35
IN.	.34	.62	3.13	4.78	3.44	3.77	2.16	4.50	1.28	.62	2.50	.39
CAL YR 1974	TOTAL	4200467	MEAN	11508	MAX	76200	MIN	644	CFSM	2.28	IN	31.00
WTR YR 1975	TOTAL	3729544	MEAN	10218	MAX	44900	MIN	710	CFSM	2.03	IN	27.53

PEARL RIVER BASIN

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02488500 Pearl River near Monticello, Miss.--Continued

GAGE HEIGHT* IN FEET* WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1				10.08	20.16	9.80	12.22	5.54	4.54	6.17	6.31	4.10
2				10.71	19.33	13.44	12.26	5.64	4.50	5.25	5.59	4.14
3				13.89	17.86	17.86	11.54	7.25	4.46	4.79	4.80	4.04
4				15.34	16.40	19.10	9.60	9.76	4.40	5.17	4.46	3.82
5				14.95	15.22	19.04	10.99	10.39	4.33	5.03	4.32	3.65
6				20.20	14.77	18.39	10.56	9.61	4.27	4.79	4.25	3.67
7				20.17	16.07	17.69	9.34	8.78	4.18	4.52	4.20	3.73
8				19.81	17.82	17.55	8.71	9.64	4.21	4.37	4.19	4.09
9				19.52	18.72	18.16	8.37	9.26	4.36	4.30	4.13	4.02
10				21.75	18.82	18.54	8.19	8.69	4.38	4.25	4.10	3.98
11				23.47	18.36	18.36	8.07	8.00	4.38	4.20	4.08	3.94
12				23.97	17.95	17.70	7.95	8.09	4.37	4.18	4.09	3.89
13				23.94	18.50	16.78	7.66	12.02	4.38	4.24	4.34	3.89
14				23.51	18.92	15.69	7.18	11.73	4.32	4.38	4.54	3.82
15				23.96	18.88	14.60	6.66	11.39	4.33	4.94	4.73	3.77
16				23.98	18.51	13.57	7.13	11.04	4.59	4.67	4.59	3.74
17				23.93	17.61	13.30	7.79	9.72	4.70	4.41	4.34	3.81
18				23.91	16.03	12.16	7.37	8.54	4.91	4.38	4.23	3.98
19				23.98	14.95	10.85	6.57	8.11	4.75	4.44	4.12	3.98
20				24.18	14.68	10.05	5.99	7.80	4.45	4.40	4.08	3.98
21				24.45	14.09	9.70	5.69	6.92	4.33	4.34	4.07	3.90
22				24.75	13.17	9.53	9.83	5.82	4.32	4.39	4.02	3.84
23				24.42	12.49	9.37	7.75	5.34	4.41	4.30	4.04	3.94
24				23.61	12.10	9.22	6.67	5.16	4.38	4.37	4.11	4.15
25				22.25	11.90	8.99	6.47	5.01	4.34	4.28	4.30	4.18
26				19.83	11.20	8.69	6.23	4.90	4.41	4.48	4.64	4.05
27				16.31	9.88	8.64	6.38	4.84	4.41	4.57	4.24	4.04
28				13.20	9.09	9.47	6.75	4.75	4.45	4.52	4.04	4.24
29				11.64	8.84	12.34	6.27	4.70	4.39	4.46	4.11	4.35
30				15.70	-----	13.21	5.71	4.66	5.79	4.65	3.99	4.53
31		-----		19.43	-----	12.54	-----	4.60	-----	7.24	3.90	-----
MEAN				20.17	15.60	13.69	8.06	7.67	4.47	4.66	4.35	3.98
MAX				24.75	20.16	19.10	12.26	12.02	5.79	7.24	6.31	4.53
MIN				10.08	8.84	8.64	5.69	4.60	4.18	4.18	3.90	3.65

GAGE HEIGHT* IN FEET* WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.50	4.25	7.02	20.76	12.95	9.37	26.19	23.50	11.92	6.27	6.34	5.35
2	4.57	4.26	6.95	20.29	17.64	9.43	25.47	22.22	11.54	6.18	6.67	5.30
3	4.45	4.59	6.92	19.56	19.32	9.23	24.89	21.22	10.79	6.15	7.97	5.38
4	4.22	4.71	6.91	19.80	19.56	9.98	24.21	20.66	10.42	6.23	8.37	6.36
5	4.13	4.62	7.07	19.74	19.27	12.82	23.23	19.97	10.00	7.23	8.48	6.08
6	3.98	4.48	9.83	19.50	18.85	12.77	21.88	19.06	9.06	9.27	8.47	6.49
7	3.96	4.36	9.72	19.52	18.18	18.73	21.47	18.48	8.44	8.30	8.46	7.01
8	4.01	4.29	8.45	20.21	17.71	17.68	22.02	21.30	9.78	7.43	8.20	7.23
9	4.03	4.84	7.80	21.16	19.16	14.00	22.16	22.86	8.91	6.56	7.00	7.28
10	3.93	6.02	7.40	21.60	19.70	12.68	21.79	22.65	8.44	6.22	6.21	6.74
11	3.89	6.25	7.30	21.70	19.21	16.27	21.04	21.73	8.50	6.06	5.74	6.48
12	3.91	6.02	8.64	21.61	18.01	19.77	19.98	20.56	8.42	5.98	5.54	6.48
13	3.97	5.79	8.87	21.32	16.11	19.63	18.79	19.21	8.45	5.93	5.72	6.97
14	3.93	6.19	9.57	21.18	20.00	18.48	17.85	18.05	8.83	5.81	6.06	7.59
15	3.93	6.94	11.22	21.07	21.60	16.89	17.05	17.35	8.74	5.74	5.93	6.78
16	3.95	7.23	14.46	21.06	20.96	16.74	16.02	16.79	8.56	5.71	6.40	6.30
17	3.94	6.83	15.25	20.96	19.37	19.84	18.11	15.48	8.45	5.69	7.73	5.97
18	3.90	6.27	15.16	20.64	17.74	20.89	23.26	13.06	7.93	5.68	8.42	5.81
19	3.89	5.84	15.11	20.15	16.61	20.94	24.83	11.54	7.62	6.06	7.75	5.72
20	3.93	5.65	16.23	19.51	15.92	20.80	24.88	10.95	9.79	6.51	6.88	5.66
21	3.96	5.62	22.22	19.14	15.64	20.54	24.86	10.61	10.64	6.70	6.38	5.63
22	4.08	5.56	23.86	18.52	15.49	20.21	25.04	10.37	8.08	6.77	6.32	5.62
23	5.00	5.51	23.84	16.54	15.14	20.10	25.20	9.87	8.15	6.72	6.95	5.58
24	5.29	5.65	23.22	14.36	14.39	21.06	25.07	11.24	7.34	6.66	6.86	5.39
25	5.38	6.52	22.59	13.30	13.60	26.73	25.68	13.38	6.82	6.71	6.16	5.13
26	4.76	7.79	21.92	13.40	12.87	27.60	26.50	12.05	6.55	6.96	5.82	5.08
27	4.71	8.14	21.26	14.02	11.91	27.15	26.29	10.90	6.43	7.48	5.79	5.05
28	4.89	7.53	20.59	14.47	10.39	26.78	25.80	11.52	6.38	7.01	5.60	5.13
29	4.70	7.21	20.04	14.18	-----	26.43	25.22	12.53	6.76	6.74	5.38	5.67
30	4.61	7.10	20.00	13.23	-----	25.96	24.48	12.09	6.59	7.03	5.29	5.92
31	4.37	-----	20.64	12.37	-----	26.51	-----	11.73	-----	6.68	5.34	-----
MEAN	4.28	5.87	14.20	18.54	17.05	18.90	22.98	16.22	8.61	6.60	6.72	6.04
MAX	5.38	8.14	23.86	21.70	21.60	27.50	26.50	23.50	11.92	9.27	8.48	7.59
MIN	3.89	4.25	6.91	12.37	10.39	9.23	16.02	9.87	6.38	5.68	5.29	5.05

PEARL RIVER BASIN

02488500 Pearl River near Monticello, Miss.--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.67	4.98	16.75	23.99	27.30	23.20	14.72	16.43	10.67	7.82	6.29	9.01
2	6.89	5.30	15.94	24.11	27.00	22.36	17.69	14.28	12.08	7.73	5.84	9.88
3	6.31	5.33	15.45	24.43	26.68	21.23	19.78	12.40	12.63	7.64	5.70	9.28
4	6.26	5.17	15.62	24.78	26.39	19.78	19.12	11.55	10.97	7.20	5.65	8.86
5	6.25	7.57	16.06	25.01	26.09	18.02	18.00	11.37	10.35	6.67	5.72	9.24
6	6.44	9.80	16.16	25.25	25.77	15.72	17.33	11.40	10.35	6.51	5.71	9.48
7	6.37	8.31	15.75	25.47	25.55	12.94	16.77	10.78	11.25	6.67	5.58	9.24
8	5.88	7.73	14.99	25.52	25.33	11.56	16.33	10.63	13.07	6.74	5.48	9.08
9	5.61	8.56	14.18	25.26	25.03	11.05	16.02	10.48	12.99	6.62	5.55	9.89
10	5.59	9.54	13.59	24.70	24.56	10.80	15.63	9.96	13.41	6.89	5.67	10.75
11	5.36	9.02	13.28	24.30	23.76	10.70	14.73	9.56	13.63	7.02	5.56	9.77
12	5.19	8.70	12.91	24.47	22.59	11.99	16.94	10.50	12.80	6.76	5.46	8.68
13	5.10	8.46	12.07	24.51	21.07	15.51	28.98	10.65	12.36	6.49	5.50	8.16
14	5.08	8.10	10.27	24.47	19.44	14.34	32.00	10.62	12.41	6.27	5.49	7.78
15	5.07	7.20	8.72	24.49	18.17	12.32	30.83	9.50	12.36		6.29	7.44
16	5.18	6.38	8.30	24.72	20.20	11.36	29.56	9.11	11.85		6.57	6.78
17	5.57	5.84	8.17	25.09	22.40	10.92	28.47	9.22	10.65		7.00	6.52
18	6.51	5.39	8.04	25.34	23.20	10.71	27.53	9.33	9.83		7.73	6.36
19	6.50	5.15	8.00	25.74	23.56	10.48	26.78	8.72	9.10		8.60	6.12
20	6.24	4.98	11.57	26.37	23.88	10.22	26.30	8.34	8.23		7.79	5.97
21	6.16	7.93	13.84	26.55	24.09	10.21	26.07	8.24	7.60		6.45	5.79
22	6.06	13.44	13.65	26.50	24.42	10.70	26.18	8.34	7.39		6.03	5.56
23	5.98	12.42	13.27	26.28	24.60	11.12	26.28	8.74	7.24		5.92	5.35
24	5.89	10.76	12.48	26.56	24.70	11.52	25.90	8.98	7.14		5.84	5.25
25	5.46	10.55	17.27	27.03	24.72	11.79	25.30	8.58	7.06		5.60	5.16
26	5.12	10.91	22.27	27.07	24.59	12.04	24.62	8.08	7.05		5.47	6.09
27	4.98	11.17	23.84	26.92	24.28	14.20	23.72	8.20	7.96		5.35	6.12
28	4.96	15.93	24.21	27.11	23.82	16.31	22.62	8.23	8.59		5.49	7.19
29	5.00	18.21	24.07	27.73	-----	18.09	20.75	8.50	8.53		5.98	6.70
30	4.96	17.72	23.91	27.73	-----	15.48	18.56	10.57	8.13		6.47	8.41
31	4.93	-----	23.93	27.57	-----	15.27	-----	11.22	-----		6.66	-----
MEAN	5.73	9.02	15.11	25.65	24.04	13.87	22.45	10.08	10.26		6.08	7.73
MAX	6.89	18.21	24.21	27.73	27.30	23.20	32.00	16.43	13.63		8.60	10.75
MIN	4.93	4.98	8.00	23.99	18.17	10.21	14.72	8.08	7.05		5.35	5.16

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.87	7.09	9.66	22.12	14.21	21.52	18.71	20.60	10.66	7.89	17.03	7.60
2	7.54	7.28	9.47	21.95	13.29	20.45	16.96	22.59	11.38	8.04	20.89	7.13
3	6.55	7.27	8.82	21.86	12.46	18.90	17.45	22.68	11.69	7.77	19.93	6.59
4	6.17	7.20	9.19	21.62	12.46	17.83	16.96	22.63	11.13	7.84	19.70	6.19
5	6.27	7.12	10.15	21.25	13.67	17.16	15.61	22.90	9.99	7.26	20.11	6.06
6	6.25	7.00	10.76	20.74	14.80	13.74	14.63	23.35	9.35	7.09	20.65	6.67
7	6.22	6.87	18.37	20.20	15.19	10.91	13.23	24.66	8.75	7.41	20.67	9.06
8	6.18	6.63	21.50	21.61	15.24	9.89	11.94	27.24	12.65	7.23	20.36	8.58
9	6.16	6.23	21.82	21.88	15.26	9.40	11.39	27.07	14.91	6.83	20.10	8.43
10	6.15	5.70	21.09	21.54	15.36	9.13	11.42	25.89	11.98	7.05	19.92	7.91
11	6.05	5.47	19.80	23.49	15.40	9.00	12.82	24.72	13.45	7.98	19.63	7.27
12	5.79	5.56	18.43	24.11	15.35	9.24	13.63	23.67	14.19	9.69	19.16	7.13
13	5.66	5.64	17.02	23.99	15.20	10.22	14.01	22.56	13.20	10.52	18.10	6.93
14	5.45	5.50	16.02	23.50	14.44	14.32	14.69	21.59	12.55	9.50	16.25	6.37
15	5.45	5.35	14.97	22.94	13.26	15.93	16.85	21.48	12.50	8.67	14.09	5.99
16	6.66	5.31	14.11	22.33	18.76	16.48	17.69	22.13	13.38	8.18	12.89	5.43
17	8.17	5.92	12.90	21.52	23.44	17.01	17.69	22.46	13.64	7.54	12.43	5.79
18	8.02	4.39	12.03	20.94	23.39	19.40	17.30	21.85	12.81	6.90	11.89	5.86
19	7.85	10.06	11.05	20.71	23.00	21.35	16.64	20.87	12.72	6.55	11.22	5.97
20	7.59	9.81	9.93	20.75	22.83	22.06	16.19	17.73	12.31	6.64	10.52	6.19
21	7.21	10.10	10.47	20.89	22.84	22.59	15.98	18.11	12.98	6.75	9.50	6.12
22	6.90	9.71	10.75	20.91	22.67	23.07	15.77	15.45	12.69	7.31	8.89	6.05
23	6.22	10.05	9.70	20.59	22.71	23.46	15.43	13.01	10.90	8.23	8.66	6.07
24	5.63	10.88	16.16	19.71	23.02	23.76	14.77	11.69	9.49	8.58	8.53	6.29
25	5.92	11.17	21.42	14.42	23.04	23.99	13.97	10.47	8.67	8.26	8.76	6.63
26	6.11	11.45	22.93	19.56	23.00	23.96	13.07	9.57	8.08	7.82	8.95	6.45
27	6.07	11.42	23.46	19.24	22.79	23.59	11.69	9.30	7.55	8.77	9.14	6.29
28	6.05	11.15	23.81	17.35	22.29	22.45	10.20	9.30	7.37	8.71	9.04	6.28
29	6.20	10.03	23.75	15.67	---	21.34	9.29	9.18	7.41	8.77	8.74	6.25
30	6.95	9.03	23.23	14.95	---	21.02	13.78	9.49	7.26	9.73	8.26	6.23
31	6.95	---	22.55	14.70	---	20.05	---	9.99	---	11.11	7.91	---
MEAN	6.56	8.01	15.98	20.72	18.19	17.88	14.66	18.91	11.14	8.08	14.26	6.67
MAX	8.87	11.45	23.41	24.11	23.44	23.99	18.71	27.24	14.91	11.11	20.89	9.06
MIN	5.45	5.31	8.82	14.70	12.46	9.00	9.29	9.18	7.26	6.55	7.91	5.79

02488700 Whitesand Creek near Oak Vale, Miss.

LOCATION.--Lat 31°28', long 89°58', in SW¼ sec. 24, T.6 N., R.20 W., St. Stephens meridian, Lawrence County, near right bank on downstream side of bridge on State Highway 43, 1.2 miles (1.9 km) upstream from Illinois Central Railroad bridge, 2.3 miles (3.7 km) north of Oak Vale, and 3.7 miles (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).

AVERAGE DISCHARGE.--10 years, 187 ft³/s (5.296 m³/s), 19.38 in/yr (492 mm/yr).

EXTREMES.--Current year: Maximum discharge, 12,500 ft³/s (354 m³/s) May 8 (gage height, 15.98 ft or 4.871 m); minimum, 102 ft³/s (2.89 m³/s) part of each day Oct. 11-15, 20, Nov. 4, 6-8; minimum gage height, 3.87 ft (1.180 m) Oct. 11-15, Nov. 4, 6, 7, 8.

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.

Flood of Mar. 28, 29, 1961, reached a stage of 17.11 ft (5.215 m) from floodmark (discharge, 15,900 ft³/s or 450 m³/s). Maximum stage known since at least 1879, 20¼ 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).

REMARKS.--Records fair.

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	123	120	221	133	144	135	184	1250	154	169	2560	147
2	110	108	167	128	142	128	179	768	145	164	1370	147
3	108	105	139	123	136	121	350	306	140	142	590	145
4	108	105	131	126	147	336	460	616	137	135	332	149
5	108	105	126	123	167	511	300	675	137	133	265	174
6	108	105	153	120	147	290	250	511	142	128	253	184
7	108	103	566	215	131	228	220	2210	154	125	212	253
8	108	103	775	1050	126	201	300	7300	326	123	239	230
9	105	108	344	1130	128	179	640	2610	393	121	189	196
10	105	108	188	1270	131	166	520	898	464	123	176	199
11	105	136	161	2870	128	161	560	371	460	121	184	186
12	105	164	164	1490	126	159	310	268	326	118	204	209
13	105	136	150	691	123	164	250	228	214	116	180	174
14	105	120	131	415	120	277	600	206	169	116	165	164
15	115	120	144	291	120	247	1000	253	174	116	155	159
16	164	120	167	243	458	416	350	364	194	116	145	157
17	144	118	142	218	2340	452	250	293	174	114	135	184
18	113	126	123	203	1180	868	219	217	157	142	130	268
19	110	128	126	200	353	958	196	194	244	137	128	209
20	110	194	153	237	233	448	181	181	209	135	161	176
21	110	197	144	209	196	290	174	171	161	123	184	166
22	110	153	123	173	176	253	166	166	149	161	161	166
23	110	147	123	158	230	233	164	161	174	178	169	179
24	110	150	203	161	293	230	159	157	171	130	154	179
25	110	150	285	330	212	222	154	149	147	123	149	164
26	110	150	298	314	169	199	149	145	140	116	152	159
27	108	144	221	206	152	181	145	142	135	118	154	157
28	108	142	179	176	142	174	140	152	135	118	149	157
29	131	136	161	164	---	171	137	157	169	128	166	154
30	153	173	150	156	---	222	533	161	265	142	154	154
31	147	---	142	150	---	225	---	161	---	128	152	---
TOTAL	3574	3974	6300	13473	8150	8845	9240	21441	6159	4059	9517	5345
MEAN	115	132	203	434	291	285	308	691	205	130	307	178
MAX	164	197	775	2870	2340	958	1000	7300	464	178	2560	268
MIN	105	103	123	120	120	121	137	142	135	114	128	145
CFSM	.88	1.01	1.55	3.32	2.22	2.18	2.35	5.28	1.57	1.00	2.34	1.36
IN.	1.01	1.13	1.79	3.83	2.31	2.51	2.62	6.09	1.75	1.15	2.70	1.52

CAL YR 1974 TOTAL 105346 MEAN 288 MAX 16400 MIN 81 CFSM 2.20 IN 29.91
WTR YR 1975 TOTAL 100077 MEAN 274 MAX 7300 MIN 103 CFSM 2.09 IN 28.42

PEAK DISCHARGE (BASE, 2,500 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
01-11	1500	9.56	3,350	05-08	0515	15.98	12,500
02-17	1145	9.07	2,960	08-01	1645	9.91	3,650

PEARL RIVER BASIN

02489000 Pearl River near Columbia, Miss.

LOCATION.--Lat 31°14'14", long 89°50'54", in E½ sec.7, T.3 N., R.18 W., St. Stephens meridian, Marion County, on downstream side of bridge on U.S. Highway 98, 1½ miles (2.4 km) southwest of Columbia, 2 miles (3.2 km) downstream from Fernwood, Columbia and Gulf Railroad bridge, 2¼ miles (3.6 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 mile (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.

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

EXTREMES.--Maximum and minimum gage heights (at 0700) for January 1972 to September 1975 are contained in the following table.

Water year	Date	Maximum Gage height		Date	Minimum Gage height	
		feet	metres		feet	metres
1972*	Jan. 24	19.80	6.035	Sept. 7,8	0.90	0.274
1973	Mar. 28	23.50	7.163	Oct. 13	.95	.290
1974	Apr. 15	27.00	8.230	Oct. 29	1.94	.591
1975	May 10	23.91	7.288	Nov. 17	2.54	.774

*January to September.

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.

Flood of 1874 reached a stage of about 31 ft (9.4 m), from information by National Weather Service.

REMARKS.--Records furnished by National Weather Service.

GAGE HEIGHT, IN FEET, AT 0700, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1				7.80	14.65	6.35	9.55	3.40	1.95	2.35	3.55	1.13
2				7.45	15.55	7.80	9.20	2.95	1.90	3.75	3.60	1.15
3				7.55	15.70	11.30	9.20	3.20	1.85	3.85	3.00	1.25
4				10.40	14.80	13.60	9.00	3.90	1.80	2.25	2.30	1.25
5				12.50	13.40	14.50	7.35	6.30	1.70	2.70	1.80	1.10
6				14.35	12.20	14.65	7.50	7.20	1.65	2.65	1.60	1.00
7				15.25	12.65	14.35	7.95	6.70	1.60	2.30	1.45	.90
8				15.60	13.35	14.00	6.80	8.15	1.57	2.15	1.40	.90
9				15.40	13.80	13.90	6.00	8.85	1.50	1.70	1.35	1.05
10				15.20	14.30	13.95	5.65	6.85	1.45	1.60	1.30	1.15
11				16.00	14.55	14.20	5.45	6.20	1.90	1.50	1.30	1.10
12				17.40	14.45	14.25	5.35	6.20	1.80	1.45	1.25	1.05
13				18.40	14.20	13.90	5.20	6.90	1.70	1.45	1.30	1.00
14				18.80	14.30	13.30	5.00	9.55	1.70	1.90	1.35	.98
15				14.70	14.55	12.55	4.60	9.05	1.65	1.70	1.60	.97
16				18.70	14.70	11.70	4.25	8.50	2.15	1.75	1.90	.91
17				14.75	14.85	11.00	4.65	8.15	2.10	2.00	2.10	.94
18				18.70	14.35	10.40	5.15	7.15	2.15	1.80	1.65	.93
19				17.15	13.10	9.55	4.85	6.00	2.10	1.65	1.45	1.05
20				18.80	11.95	8.35	4.15	5.50	2.10	1.65	1.35	1.08
21				14.95	11.55	7.45	3.55	5.20	2.10	1.65	1.30	1.07
22				14.25	11.10	7.05	3.50	4.60	1.70	1.65	1.25	1.05
23				17.60	10.30	6.45	7.15	4.20	1.85	1.55	1.35	1.05
24				17.80	9.60	6.45	6.40	3.00	1.70	1.55	1.35	1.00
25				14.55	9.20	6.45	4.55	2.70	1.65	1.45	1.40	1.10
26				15.60	9.00	6.20	4.00	2.50	1.65	1.70	1.40	1.25
27				17.15	8.05	5.90	3.70	2.35	1.65	1.60	1.90	1.40
28				14.55	7.20	5.95	3.60	2.25	1.70	1.70	1.90	1.30
29				10.90	6.30	7.70	4.00	2.15	1.65	1.75	1.45	1.30
30				4.80	-----	9.43	3.40	2.05	1.60	1.90	1.25	1.35
31		-----		12.90	-----	10.15	-----	2.00	-----	1.75	1.30	-----
MEAN				15.69	12.54	10.43	5.69	5.28	1.79	1.95	1.69	1.09
MAX				14.80	15.70	14.85	9.55	9.55	2.15	3.85	3.60	1.40
MIN				7.45	6.30	5.90	3.40	2.00	1.45	1.45	1.25	.90

02489000 Pearl River near Columbia, Miss.--Continued

GAGE HEIGHT, IN FEET, AT 0700, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.45	1.80	4.20	16.95	9.45	9.75	22.60	20.90	9.00	3.42	3.73	2.48
2	1.55	1.50	4.10	16.25	9.85	6.75	22.95	20.00	9.10	3.12	3.43	2.45
3	1.50	1.40	4.00	16.35	12.85	7.05	22.60	18.95	8.60	2.92	3.30	2.40
4	1.58	1.55	4.00	16.10	14.30	7.15	21.80	17.80	7.85	2.92	4.36	2.36
5	1.38	1.70	4.80	15.70	14.80	8.10	20.90	16.75	7.30	2.92	5.05	2.96
6	1.28	1.75	5.75	15.50	19.80	10.05	19.90	15.95	7.15	3.72	5.14	3.41
7	1.15	1.65	9.55	15.45	19.60	10.80	18.90	15.30	6.30	6.02	5.20	3.27
8	1.10	1.65	8.10	15.50	14.15	14.95	18.40	15.30	5.85	5.62	5.18	4.05
9	1.05	1.45	6.15	15.75	14.25	15.65	17.80	16.10	6.85	4.82	5.17	4.04
10	1.10	1.50	5.30	16.05	14.95	12.65	17.65	17.30	6.10	3.81	4.30	4.28
11	1.07	2.50	4.80	16.40	15.20	10.55	17.40	17.85	5.35	3.26	3.46	3.88
12	1.00	3.05	4.55	16.55	15.15	12.80	16.95	17.60	5.30	3.00	2.94	3.58
13	.95	3.05	4.40	16.55	14.40	14.85	16.30	16.85	5.30	2.88	2.66	3.89
14	1.05	3.20	5.85	16.95	13.70	15.45	15.30	15.80	5.30	2.87	2.64	4.59
15	1.05	3.25	6.35	16.20	15.10	15.00	14.40	14.50	5.55	2.82	2.88	4.89
16	1.00	3.70	7.45	16.10	16.55	13.80	13.65	13.70	5.65	2.54	3.00	4.16
17	1.00	4.10	10.15	16.00	16.80	14.25	13.60	13.20	5.60	2.55	2.95	3.58
18	1.03	3.90	10.95	15.95	15.90	15.35	16.45	12.40	5.30	2.47	4.45	3.19
19	1.03	3.65	11.00	15.90	19.50	16.05	18.70	10.30	4.85	2.45	5.18	2.95
20	1.00	3.20	11.10	15.65	13.20	16.25	20.15	4.60	4.50	2.46	4.89	2.83
21	1.05	3.90	14.55	15.50	12.55	16.35	20.75	7.90	6.10	3.08	3.92	2.73
22	1.00	2.80	17.45	15.10	12.15	16.15	20.55	7.50	8.55	3.27	3.48	2.70
23	1.65	2.70	18.00	14.85	12.04	15.85	20.35	7.25	5.70	3.46	3.18	2.67
24	2.80	2.65	18.70	13.60	11.75	15.60	20.40	7.10	5.25	3.43	3.54	2.69
25	2.90	2.75	18.55	11.75	11.40	18.50	20.70	9.65	4.95	3.44	3.88	2.53
26	2.55	3.75	18.00	10.55	10.65	21.45	21.15	10.85	4.90	3.56	3.35	2.49
27	2.15	4.70	17.30	10.40	9.95	23.25	21.95	10.00	3.55	3.61	2.96	2.28
28	2.05	5.15	16.70	10.65	9.15	23.50	22.50	8.50	3.35	4.82	2.88	2.26
29	2.00	4.70	16.10	11.10	-----	23.26	22.25	8.45	3.25	4.40	2.75	2.29
30	1.95	4.35	15.60	11.00	-----	22.90	21.70	9.35	3.32	3.77	2.46	2.77
31	1.85	-----	15.80	10.25	-----	22.55	-----	9.05	-----	3.68	2.44	-----
MEAN	1.46	2.90	10.30	14.73	13.90	15.05	19.29	13.25	5.86	3.46	3.70	3.16
MAX	2.90	5.15	18.70	16.95	19.80	23.50	22.95	20.90	9.10	6.02	5.20	4.89
MIN	.95	1.40	4.00	10.25	9.15	6.75	13.60	7.10	3.25	2.45	2.44	2.26

GAGE HEIGHT, IN FEET, AT 0700, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.97	2.05	13.06	19.04	23.68	19.18	11.48	15.95	7.83	5.17	4.62	4.25
2	3.56	2.01	12.48	19.19	23.51	12.65	11.30	13.80	8.15	4.83	4.16	6.20
3	4.11	2.19	11.83	19.04	23.27	18.05	13.06	11.75	8.95	4.67	3.15	7.30
4	3.10	2.45	11.58	19.18	23.00	17.15	14.59	10.65	9.45	4.62	2.85	7.75
5	3.31	2.85	11.65	19.65	22.59	16.05	14.86	8.30	8.30	4.40	2.83	6.35
6	3.25	3.93	11.79	19.85	22.30	14.63	14.00	8.15	7.70	4.20	2.78	6.05
7	3.37	6.54	11.90	20.01	22.07	12.74	13.20	8.30	7.60	3.95	2.72	5.95
8	3.24	5.65	11.67	20.21	22.05	10.11	12.74	7.50	7.75	3.82	3.35	6.90
9	3.10	4.88	11.12	20.45	21.45	8.44	12.32	7.33	9.30	3.87	3.00	7.25
10	2.75	5.18	10.48	20.50	20.91	7.77	12.01	7.20	9.45	3.67	2.55	7.35
11	2.71	6.25	9.98	20.37	20.41	7.47	11.71	6.80	10.00	3.78	2.50	7.80
12	2.61	5.96	9.69	20.15	19.73	7.53	11.12	7.80	10.20	4.05	2.63	7.05
13	2.46	5.58	9.49	19.92	18.76	8.87	14.97	7.48	9.50	3.85	2.60	6.10
14	2.24	5.40	8.65	19.63	17.54	11.31	22.53	8.48	9.10	3.50	2.68	5.60
15	2.08	5.10	7.42	19.50	16.05	11.00	27.00	7.82	9.00	3.35	2.55	5.10
16	2.06	4.54	6.99	19.35	14.97	9.25	26.92	6.57	8.98	3.24	2.80	4.60
17	2.31	4.80	5.54	19.34	15.23	8.18	26.12	6.00	8.70	3.20	3.38	4.20
18	2.47	3.20	5.35	19.51	16.41	7.65	25.31	5.85	7.70	3.10	4.25	3.93
19	3.07	2.74	5.21	19.55	17.37	7.38	24.70	6.15	6.95	2.98	4.95	3.58
20	3.47	2.44	5.98	21.00	18.01	7.15	23.80	5.65	6.25	3.00	5.47	3.57
21	3.29	2.37	8.63	22.02	18.35	6.95	23.10	5.20	5.50	3.15	5.32	3.39
22	3.18	4.88	10.30	22.34	18.75	7.00	22.60	5.08	4.75	3.32	4.00	3.20
23	3.05	9.42	10.13	22.62	19.06	7.35	22.22	4.50	4.51	3.34	3.40	2.98
24	3.00	9.05	9.82	22.45	19.36	7.74	22.02	7.28	4.55	3.36	3.15	2.73
25	2.90	7.67	11.50	22.45	19.56	8.11	21.95	6.30	4.30	3.15	2.90	2.61
26	2.78	7.47	16.29	22.54	19.64	8.34	21.70	5.80	4.20	3.50	2.87	2.58
27	2.70	7.83	17.50	23.25	19.66	9.40	21.12	5.32	3.98	3.65	2.75	2.87
28	2.12	8.30	17.83	23.19	19.51	12.02	20.35	5.20	4.51	4.00	2.65	4.60
29	1.94	11.40	15.46	23.15	-----	12.42	19.29	5.31	5.34	4.52	2.40	4.70
30	1.96	13.04	18.69	23.37	-----	12.50	17.83	5.07	5.40	4.11	2.35	4.53
31	1.99	-----	18.72	23.61	-----	11.80	-----	6.86	-----	4.10	3.70	-----
MEAN	2.81	5.51	11.18	20.88	19.76	10.54	18.53	7.53	7.26	3.79	3.27	5.04
MAX	4.11	13.04	18.72	23.61	23.68	19.18	27.00	15.95	10.20	5.17	5.47	7.80
MIN	1.94	2.01	5.21	19.04	14.97	6.95	11.12	5.07	3.98	2.98	2.35	2.58

PEARL RIVER BASIN

02489000 Pearl River near Columbia, Miss.--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
INSTANTANEOUS OBSERVATIONS AT 0700

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.62	4.28	6.84	17.90	11.50	17.78	16.44	11.06	7.11	5.26	7.28	5.44
2	5.78	4.12	6.45	17.50	11.16	17.40	15.53	15.03	7.54	5.32	14.47	5.05
3	4.98	4.10	6.58	16.60	10.53	16.86	14.29	16.64	8.17	5.28	16.05	4.73
4	4.10	4.42	6.12	16.80	9.90	16.22	13.62	17.55	8.55	5.03	15.69	4.28
5	3.27	4.28	5.80	16.63	9.30	15.57	13.92	17.88	8.18	5.14	15.23	3.77
6	3.09	4.20	5.41	16.45	9.58	16.05	13.18	18.14	7.22	4.60	15.17	3.75
7	3.10	4.08	8.00	16.00	10.47	13.42	12.42	18.46	7.07	4.32	15.48	4.38
8	3.08	3.82	13.14	16.90	11.12	9.75	10.48	20.36	6.50	4.28	15.76	5.25
9	3.18	4.00	15.23	18.00	11.32	7.87	9.95	23.06	9.93	4.68	15.72	6.56
10	3.13	3.78	16.13	17.95	11.41	6.90	8.93	23.91	11.88	4.15	15.35	5.77
11	3.08	3.61	16.15	18.38	11.38	6.58	9.18	23.51	10.37	4.24	15.18	5.62
12	3.03	3.32	15.90	18.77	11.53	6.29	9.56	22.50	10.73	4.87	15.08	5.18
13	2.92	3.21	15.02	19.65	11.62	6.35	10.23	21.19	11.18	6.15	14.92	4.67
14	2.83	3.12	14.93	20.02	11.56	6.60	10.89	19.64	10.28	7.18	14.53	4.30
15	2.65	2.98	12.78	19.42	11.30	10.52	13.33	18.28	9.82	6.57	13.49	4.14
16	2.75	2.57	12.22	18.94	10.50	12.24	14.02	17.52	9.30	5.68	11.82	3.70
17	3.12	2.54	11.28	18.35	14.65	13.07	13.93	17.41	9.74	5.34	10.60	3.23
18	4.63	2.67	10.30	17.30	17.58	13.21	13.85	17.67	10.26	5.02	9.74	3.63
19	4.76	3.45	9.52	16.58	18.70	15.87	13.56	17.68	9.73	4.43	9.28	3.54
20	4.78	5.93	8.72	16.40	18.57	16.25	13.04	17.05	9.76	4.90	8.90	3.22
21	4.82	7.42	7.78	16.11	18.30	16.72	12.66	16.18	9.68	4.83	8.28	3.62
22	4.25	7.32	7.33	16.00	17.85	17.22	12.39	15.03	8.91	4.97	7.69	3.49
23	4.00	6.74	7.60	15.98	17.67	17.37	11.78	13.12	9.75	4.53	6.50	3.38
24	3.72	6.58	7.42	15.91	17.87	17.75	11.67	10.63	8.37	4.58	6.27	3.48
25	3.32	6.81	11.28	16.34	17.68	18.32	11.54	9.20	6.89	5.24	5.68	3.40
26	2.80	7.67	14.72	15.70	17.90	18.57	10.80	8.00	5.98	5.43	5.79	3.43
27	3.00	7.20	16.35	15.53	17.90	18.76	10.02	6.93	5.48	5.00	5.45	3.75
28	3.35	8.05	17.17	15.42	17.85	18.90	8.93	6.51	5.06	4.82	6.00	3.68
29	3.30	8.08	17.75	15.15	---	18.63	7.54	6.59	4.64	5.76	6.17	3.42
30	4.05	7.72	18.00	13.57	---	17.90	6.55	6.47	4.87	5.83	5.89	3.33
31	4.23	---	18.17	12.14	---	17.43	---	6.68	---	6.03	5.73	---
MEAN	3.67	4.94	11.62	16.86	13.81	14.27	11.81	15.48	8.43	5.14	10.94	4.17
MAX	5.78	8.08	18.17	20.02	18.70	18.90	16.44	23.91	11.88	7.18	16.05	6.56
MIN	2.65	2.54	5.41	12.14	9.30	6.29	6.55	6.47	4.64	4.15	5.45	3.22

PEARL RIVER BASIN

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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, near right bank on downstream side of bridge on State Highway 10, 2.0 mi (3.2 km) east of Bogalusa, and 2.0 mi (3.2 km) upstream from Bogue Lusa Creek.

DRAINAGE AREA.--6,630 mi² (17,170 km²), approximately.

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

GAGE.--Water-stage recorder. Datum of gage is 55.00 ft (16.764 m) above mean sea level (levels by Corps of Engineers). Prior to July 29, 1954, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--37 years, 9,263 ft³/s (262.3 m³/s), 18.97 in/yr (481.8 mm/yr).

EXTREMES.--Current year: Maximum discharge, 55,800 ft³/s (1,580 m³/s) May 12 (gage height, 20.38 ft or 6.212 m); minimum, 2,660 ft³/s (75.3 m³/s) Oct. 14 (gage height, 8.15 ft or 2.484 m).

Period of record: Maximum discharge, 99,000 ft³/s (2,804 m³/s) Apr. 17, 1974 (gage height, 22.13 ft or 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.

Flood of Apr. 11, 1938, reached a stage of 21.0 ft (6.40 m).

REMARKS.--Records good.

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	3850	4050	7720	36000	17200	36000	36900	10000	7480	5360	10100	6020
2	4200	3660	7080	36500	15600	35800	34600	14900	7570	6460	15200	5360
3	4630	3550	6730	36000	14400	35000	30700	19600	7920	6080	20700	4940
4	3940	3570	6340	35200	13000	34500	25100	25000	8490	5780	25100	4470
5	3320	3580	5800	33700	12000	33700	21300	30100	8930	5310	27700	4120
6	3010	3540	5840	32500	11900	32700	19800	33700	8840	5010	29200	4300
7	2950	3460	7090	32200	12400	28400	17400	35800	8390	4510	29000	5780
8	2910	3400	10500	36100	13500	19100	15800	38600	9340	4150	28400	6200
9	2890	3340	15700	42700	14200	12800	14600	43300	10200	4140	28000	6960
10	2860	3250	19100	47400	14600	9540	14100	47000	12700	4180	27800	6910
11	2840	3230	22500	47400	14700	8210	13900	53100	15600	3940	27300	6860
12	2820	3720	25200	46100	14900	7570	13500	55600	16800	3980	26400	5360
13	2770	3740	25600	44800	15000	7340	13000	53300	16500	4630	25700	5440
14	2690	3140	23600	44400	15000	8370	16100	49900	16000	5770	24300	4990
15	2810	2910	20000	44200	14800	10200	28900	47000	13900	6780	22400	4420
16	3340	2820	18100	43700	14300	13900	29300	44000	12400	6380	19300	3980
17	3230	2770	16500	42500	15500	17800	26600	40400	12100	5580	16300	3700
18	3580	2950	14100	40800	22500	21900	23100	37300	12100	5060	13800	3960
19	3970	3650	11800	38600	31000	29800	21300	35400	12200	4700	11900	4160
20	3940	5460	10400	36500	34800	34100	19900	34600	11900	4300	11000	3460
21	3780	9420	9490	34300	36700	34300	19000	33600	11500	4020	9880	3430
22	3600	9330	8420	32000	37100	33600	18100	31800	10900	3760	8960	3370
23	3420	7790	8110	30700	36700	33600	17200	27800	11300	4030	7930	3350
24	3200	6790	8360	30200	36000	34300	16500	20700	11200	4510	7040	3350
25	2920	6750	8600	31000	36000	35000	15800	14200	9560	4920	6490	3330
26	2720	7430	13600	33700	35600	36000	14900	11400	7720	5540	6090	3340
27	2730	7830	18600	36500	35600	36900	13500	9120	4510	5680	6100	3440
28	2790	7920	23300	34100	35800	37700	12100	7720	5960	5360	6200	3440
29	3040	7890	28700	30700	---	38400	10400	7180	5360	5420	6420	3350
30	4830	7860	32400	26400	---	38800	9140	7290	5140	6780	6680	3300
31	4950	---	35000	20300	---	38200	---	7480	---	8490	6520	---
TOTAL	104530	148800	474280	1137200	620800	833530	542940	927890	314510	160610	517900	136190
MEAN	3371	4960	15299	36683	22171	26888	19431	29931	10483	5180	16706	4539
MAX	4950	9420	35000	47400	37100	38800	36900	55600	16800	8490	29200	6960
MIN	2690	2770	5800	20300	11900	7340	9140	7180	5140	3760	6090	3300
CFSM	.51	.75	2.31	5.53	3.34	4.06	2.93	4.51	1.58	.78	2.52	.68
IN.	.59	.83	2.66	6.38	3.48	4.58	3.27	5.21	1.76	.90	2.91	.76
CAL YR 1974 TOTAL	6311530	MEAN	17291	MAX	94900	MIN	2590	CFSM	2.61	IN	35.41	
WTR YR 1975 TOTAL	5959180	MEAN	16326	MAX	55600	MIN	2690	CFSM	2.46	IN	33.44	

PEARL RIVER BASIN

02490500 Bogue Chitto near Tylertown, Miss.

LOCATION.--Lat 31°10'37", long 90°16'48", in SE¼ sec.34, T.3 N., R.9 E., Washington meridian, Pike County, near right bank on downstream side of bridge on U.S. Highway 98, 0.2 mile (0.3 km) upstream from Fernwood, Columbia and Gulf Railroad bridge, 0.2 mile (0.3 km) upstream from Bars Branch, 2.2 miles (3.5 km) downstream from Topisaw Creek, and 9 miles (14 km) northwest of Tylertown.

DRAINAGE AREA.--502 mi² (1,300 km²).

PERIOD OF RECORD.--August 1944 to current year.

GAGE.--Water-stage recorder. Datum of gage is 227.40 ft (69.312 m) above mean sea level.

AVERAGE DISCHARGE.--31 years, 798 ft³/s (22.60 m³/s), 21.59 in/yr (548 mm/yr).

EXTREMES.--Current year: Maximum discharge, 30,000 ft³/s (850 m³/s) May 8; maximum gage height, 29.69 ft (9.050 m) May 8; minimum discharge, 274 ft³/s (7.76 m³/s), Oct. 12, 13; (gage height, 6.54 ft or 1.993 m).
Period of record: Maximum discharge, 45,700 ft³/s (1,290 m³/s) Jan. 7, 1950 (gage height, 33.50 ft or 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.

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 mile (0.3 km) downstream.

REMARKS.--Records good.

REVISIONS (WATER YEARS).--WSP 1504: 1945 (P), 1946(M), 1947-51, 1953.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	303	516	740	499	556	523	544	2,520	478	804	3,160	406
2	295	355	779	463	534	494	501	2,770	430	623	5,220	391
3	290	320	541	440	517	470	827	2,700	403	494	3,910	386
4	286	309	451	431	507	1,060	1,480	4,050	388	449	3,490	372
5	284	305	414	424	501	2,470	1,780	3,440	418	430	1,710	402
6	283	300	432	417	508	2,170	1,090	3,960	458	418	1,420	935
7	284	299	2,190	506	492	1,600	615	10,800	1,210	406	984	1,810
8	282	303	3,240	5,620	470	906	566	26,000	7,660	400	740	1,440
9	282	304	3,290	7,670	459	718	686	11,700	10,300	409	626	771
10	281	307	2,730	7,190	449	631	695	6,030	6,430	424	572	594
11	278	350	1,020	9,910	443	584	869	3,270	5,250	418	529	1,590
12	277	364	821	7,830	441	561	724	1,490	2,630	397	503	1,240
13	277	372	816	5,600	435	640	593	1,030	1,660	379	481	754
14	278	343	648	2,930	427	1,590	1,000	860	1,010	367	471	537
15	288	328	601	1,530	440	1,650	2,350	1,140	1,040	449	521	470
16	305	321	671	1,120	962	1,690	1,810	1,610	2,000	515	476	445
17	332	326	790	928	5,050	1,780	1,050	1,510	1,830	458	665	1,040
18	311	344	592	813	9,070	4,690	747	1,190	1,390	468	777	1,060
19	293	429	520	754	4,250	5,520	616	768	1,090	487	494	831
20	285	1,310	537	891	1,730	3,920	536	615	855	764	461	567
21	279	1,360	592	872	931	2,920	489	544	737	1,270	440	473
22	277	1,310	531	769	730	1,280	461	501	615	951	428	445
23	277	840	478	665	916	912	441	471	566	730	425	442
24	278	494	520	624	1,710	786	449	449	555	896	466	433
25	280	434	989	751	1,330	690	433	439	515	596	518	420
26	282	421	1,570	1,180	808	695	415	424	478	527	466	404
27	281	441	1,340	1,230	640	577	403	424	464	531	417	393
28	282	400	948	800	564	522	392	638	458	694	410	386
29	309	382	733	673	-----	494	386	577	498	1,610	494	381
30	359	549	618	617	-----	566	667	612	512	1,610	507	381
31	514	-----	548	584	-----	608	-----	533	-----	1,120	428	-----
TOTAL	9,212	14,436	30,690	64,731	35,870	43,717	23,615	93,065	52,328	20,094	32,209	20,199
MEAN	297	481	990	2,088	1,281	1,410	787	3,002	1,744	648	1,039	673
MAX	514	1,360	3,290	9,910	9,070	5,520	2,350	26,000	10,300	1,610	5,220	1,810
MIN	277	299	414	417	427	470	386	424	388	367	410	372
CFSM	.59	.96	1.97	4.16	2.55	2.81	1.57	5.98	3.47	1.29	2.07	1.34
IN.	.68	1.07	2.27	4.80	2.66	3.24	1.75	6.90	3.88	1.49	2.39	1.50

CAL YR 1974 TOTAL 371,858 MEAN 1.019 MAX 31,100 MIN 277 CFSM 2.03 IN 27.56
WTR YR 1975 TOTAL 440,166 MEAN 1.206 MAX 26,000 MIN 277 CFSM 2.40 IN 32.62

PEAK DISCHARGE (BASE, 6,000 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
*12-27-73	1600	17.59	8,630	01-11-75	1600	19.58	10,900
*01-20-74	2000	16.85	7,870	02-18-75	0500	19.60	11,100
*01-27-74	0200	15.41	6,420	03-19-75	0200	15.42	6,440
*04-14-74	1800	30.85	33,600	05-08-75	0900	29.69	30,000
				06-09-75	0300	21.34	13,700

* Not previously published.

TENNESSEE RIVER MAIN STEM

03589500 Tennessee River at Florence, Ala.

LOCATION.--Lat 34°47'13", long 87°40'12", in SW 1/4 sec.14, T.3 S., R.11 W., Lauderdale County, 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.

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.

AVERAGE DISCHARGE.--81 years, 51,610 ft³/s (1,462 m³/s) 22.75 in/yr (578 mm/yr).

EXTREMES.--Current year: Maximum discharge, 341,000 ft³/s (9,660 m³/s) Mar. 14 (gage height, 24.99 ft or 7.617 m); minimum daily, 17,600 ft³/s (498 m³/s) June 8.
Period of record: Maximum discharge 530,000 ft³/s (1,500 m³/s) Mar. 17, 1973 (gage height, 30.03 ft or 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, -.30 ft (-0.914 m) Oct. 8, 1925, caused by filling of Wilson Lake.
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 or 9.91 m).

REMARKS.--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.

REVISIONS (WATER YEARS).--WSP 473: 1897(M). WSP 1306: 1914(M), 1936 (monthly runoff). WSP 1436: 1897, 1899, 1916.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	36,500	33,500	39,200	139,000	112,000	91,000	212,000	45,700	34,000	47,500	42,800	32,100
2	37,300	31,200	47,600	125,000	91,600	85,500	218,000	37,500	40,700	43,000	46,900	43,600
3	33,600	29,300	39,800	106,000	101,000	82,000	223,000	40,700	47,200	47,800	36,000	54,500
4	34,400	35,600	46,100	106,000	116,000	63,800	201,000	37,500	53,700	41,800	39,400	46,400
5	28,200	34,300	62,600	105,000	127,000	60,400	209,000	56,300	45,200	37,900	40,700	31,900
6	25,900	36,800	59,100	92,900	134,000	57,300	185,000	59,200	34,100	46,100	41,900	19,000
7	33,200	38,100	63,100	84,000	132,000	58,800	160,000	58,000	21,700	45,900	43,500	22,300
8	35,500	35,300	64,200	80,100	131,000	59,600	142,000	35,200	17,600	52,000	46,300	31,100
9	33,800	37,100	64,500	76,300	127,000	51,600	132,000	65,400	50,600	61,400	38,000	45,800
10	32,200	31,600	60,400	105,000	116,000	73,900	91,000	61,400	50,700	61,800	35,400	48,400
11	36,500	31,000	59,800	152,000	117,000	76,300	81,300	54,900	55,900	52,000	35,600	54,000
12	30,600	38,800	57,200	131,000	114,000	96,900	55,900	48,700	68,500	43,400	44,100	53,300
13	18,800	34,600	53,500	125,000	108,000	213,000	52,700	49,300	66,000	38,600	36,500	39,400
14	33,200	34,900	52,500	123,000	108,000	304,000	66,300	45,500	58,500	42,600	38,000	32,100
15	31,000	34,400	50,900	123,000	109,000	307,000	55,100	46,200	52,100	41,400	39,600	42,800
16	36,200	34,600	51,100	115,000	113,000	296,000	57,400	51,000	60,200	45,200	39,500	37,400
17	39,500	29,600	52,900	106,000	132,000	268,000	59,100	59,000	67,900	40,100	30,900	40,800
18	34,900	32,700	48,000	106,000	138,000	237,000	70,600	67,900	67,500	33,500	35,800	32,800
19	38,700	38,500	51,600	107,000	135,000	201,000	63,100	66,000	60,600	45,300	42,500	47,900
20	22,000	56,800	52,900	108,000	138,000	172,000	50,700	71,300	57,600	41,600	42,500	37,700
21	30,600	57,300	52,600	107,000	150,000	144,000	62,300	62,200	52,900	43,100	40,900	22,500
22	35,600	49,700	41,200	107,000	152,000	138,000	59,000	58,600	35,000	47,600	33,600	34,300
23	34,100	56,000	42,100	106,000	142,000	137,000	61,300	49,900	52,400	53,400	36,600	62,700
24	33,200	40,300	48,500	99,400	118,000	149,000	42,500	44,200	46,700	48,200	34,000	115,000
25	32,800	47,400	66,200	107,000	104,000	153,000	37,600	38,700	53,000	49,600	28,000	97,100
26	31,200	40,200	79,300	122,000	99,900	154,000	26,900	34,400	37,300	58,400	43,500	77,300
27	25,300	46,600	106,000	121,000	105,000	156,000	19,100	42,100	31,300	46,900	42,500	61,400
28	31,500	41,500	109,000	129,000	107,000	165,000	43,900	36,600	44,200	47,400	40,700	45,800
29	30,800	36,900	107,000	131,000	-----	192,000	45,200	42,900	37,700	44,800	36,200	52,500
30	35,400	32,100	136,000	133,000	-----	213,000	43,500	48,900	46,500	39,200	44,100	47,600
31	37,900	-----	137,000	126,000	-----	215,000	-----	43,100	-----	40,500	30,600	-----
TOTAL	1,010.4M	1,156.7M	2,001.9M	3,503.7M	3,377.5M	4,671.1M	2,826.5M	1,558.3M	1,447.3M	1,428.0M	1,206.6M	1,409.5M
MEAN	32,590	38,560	64,580	113,000	120,600	150,700	94,220	50,270	48,240	46,060	38,920	46,980
MAX	39,500	57,300	137,000	152,000	152,000	307,000	223,000	71,300	68,500	61,800	46,900	115,000
MIN	18,800	29,300	39,200	76,300	91,600	51,600	19,100	34,400	17,600	33,500	28,000	19,000
CAL YR 1974	TOTAL 26,099,100		MEAN 71,500		MAX 308,000		MIN 16,900					
WTR YR 1975	TOTAL 25,597,500		MEAN 70,130		MAX 307,000		MIN 17,600					

TENNESSEE RIVER BASIN

03592500 Bear Creek at Bishop, Ala.

LOCATION.--Lat 34°39'21", long 88°07'21", in SE 1/4 sec.5, T.5 S., R.15 W., Colbert County, 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) south-west 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.

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.

AVERAGE DISCHARGE.--45 years (1926-27, 1929-31, 1933-75), 1,128 ft³/s (31.94 m³/s) 22.97 in/yr (583 mm/yr).

EXTREMES.--Current year: Maximum discharge, 31,200 ft³/s (884 m³/s) Mar. 14 (gage height, 20.62 ft or 6.285 m); minimum daily, 124 ft³/s (3.51 m³/s) Oct. 7, 8.
Period of record: Maximum discharge, 60,800 ft³/s (1,720 m³/s) Mar. 17, 1973, gage height, 24.12 ft or 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.

REMARKS.--Records good. Flow partially regulated by Bear Creek Reservoir 47.3 mi (76.1 km) upstream beginning Mar. 14, 1969.

REVISIONS (WATER YEARS).--WSP 698: 1929, WSP 823: Drainage area. WSP 853: 1927, 1928 (M), 1929, 1930 (M), 1932 (M).

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	253	243	480	5,890	2,100	1,240	4,810	1,100	788	400	1,490	297
2	237	201	487	4,300	2,050	1,290	4,100	955	710	476	1,810	277
3	177	191	450	3,960	2,280	1,260	3,780	925	654	486	1,460	261
4	159	227	421	4,390	2,950	1,210	3,410	969	604	439	1,410	251
5	143	476	403	3,720	3,240	1,180	3,210	873	514	372	1,440	267
6	129	553	395	3,320	2,670	1,070	3,030	792	500	365	1,060	1,020
7	124	438	1,220	3,040	2,360	1,040	2,870	1,990	565	462	837	2,090
8	124	264	1,410	2,870	2,150	1,010	2,730	1,930	586	481	723	1,040
9	130	212	1,210	3,010	2,020	963	2,810	1,720	604	514	621	793
10	143	200	1,350	5,560	1,890	1,140	2,950	2,350	716	593	547	839
11	147	217	1,090	18,300	1,510	2,220	2,360	1,620	1,520	1,230	532	695
12	144	266	930	11,300	1,810	5,300	2,180	1,360	2,570	1,050	560	1,100
13	142	347	741	4,710	1,360	17,800	2,070	1,230	2,140	830	706	1,230
14	143	285	601	3,810	1,280	29,700	2,090	1,050	1,920	638	686	917
15	162	298	685	3,400	1,200	19,700	2,110	2,550	2,990	546	466	809
16	634	293	698	3,150	3,260	10,700	1,970	5,240	2,330	459	445	916
17	910	227	593	2,930	4,670	5,010	1,560	4,910	1,380	473	627	1,160
18	815	230	435	2,830	4,020	4,150	1,320	3,720	1,050	372	612	1,370
19	707	439	425	3,240	3,520	4,900	2,010	2,960	1,280	342	582	1,120
20	608	1,650	473	4,400	3,000	4,140	2,600	2,360	1,590	398	919	1,140
21	581	1,990	428	3,400	2,680	3,610	1,720	2,070	949	532	518	841
22	551	1,270	410	2,930	2,460	3,410	1,500	1,300	665	525	616	725
23	505	916	397	2,710	2,530	3,310	1,550	1,010	613	506	616	852
24	417	713	1,520	2,580	2,850	6,290	1,490	972	548	553	457	2,680
25	391	767	6,180	2,620	1,800	6,570	1,530	966	458	576	422	2,430
26	351	683	5,380	2,620	1,530	4,080	1,300	931	466	665	405	2,070
27	256	553	4,200	2,390	1,330	3,580	1,260	889	499	573	394	1,720
28	239	499	6,170	2,280	1,290	3,310	1,130	814	496	477	377	1,410
29	236	441	6,080	2,230	-----	10,600	1,160	1,020	440	449	307	1,130
30	286	430	10,500	2,350	-----	15,900	1,130	987	421	470	273	904
31	346	-----	9,480	2,170	-----	7,300	-----	813	-----	449	276	-----
TOTAL	10,190	15,524	65,242	126,410	65,810	182,983	67,740	52,376	30,566	16,701	22,194	32,354
MEAN	329	517	2,105	4,078	2,350	5,903	2,258	1,690	1,019	539	716	1,078
MAX	910	1,990	10,500	18,300	4,670	29,700	4,810	5,240	2,990	1,230	1,810	2,680
MIN	124	191	395	2,170	1,200	963	1,130	792	421	342	273	251
CFSM	.49	.78	3.16	6.11	3.52	8.85	3.39	2.53	1.53	.81	1.07	1.62
IN.	.57	.87	3.64	7.05	3.67	10.21	3.78	2.92	1.70	.93	1.24	1.80
CAL YR 1974	TOTAL 646,038		MEAN 1,770		MAX 15,800		MIN 124		CFSM 2.65		IN 36.03	
WTR YR 1975	TOTAL 688,090		MEAN 1,885		MAX 29,700		MIN 124		CFSM 2.83		IN 38.38	

PEAK DISCHARGE (BASE, 7,500 CFS)

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
12-30	1145	15.69	10,800	3-14	0900	20.62	31,200
1-11	1530	18.35	20,300	3-30	0400	18.07	19,000

03592718 Little Yellow Creek east near Burnsville, Miss.

LOCATION.--Lat 34°50'01", long 88°17'08", in SE¼ sec.7, T.3 S., R.10 E., Chickasaw meridian, Tishomingo County, at bridge 0.2 mile (0.3 km) northeast of Walkers Siding and 2.0 miles (3.2 km) east of Burnsville, Miss.

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).

EXTREMES.--Current year: Maximum discharge, 3,030 ft³/s (85.8 m³/s) Mar. 13 (gage height, 19.06 ft or 5.809 m); minimum 6.2 ft³/s (0.18 m³/s) Sept. 5 (gage height, 6.25 ft or 1.905 m).

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 or 5.809 m); minimum, 5.6 ft³/s (0.16 m³/s) Aug. 25, 26, 1974; minimum gage height, 6.14 ft (1.871 m) Aug. 26, 1973.

REMARKS.--Records fair.

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	9.0	13	29	78	36	38	85	54	35	11	125	7.2
2	8.5	12	26	54	39	36	70	43	27	10	26	7.0
3	8.3	12	23	74	61	33	58	47	25	9.4	17	6.8
4	8.5	54	21	60	215	31	51	40	26	9.0	34	6.6
5	8.6	83	20	47	117	30	48	32	26	8.7	36	13
6	8.4	22	20	43	72	29	46	29	26	27	18	31
7	8.4	16	114	38	54	31	44	100	26	17	13	13
8	8.8	15	52	66	47	29	43	59	26	13	12	9.5
9	8.6	14	34	64	45	27	117	83	23	11	12	8.7
10	8.5	14	29	750	41	40	83	47	28	10	12	8.5
11	8.4	26	33	571	60	192	55	64	37	11	11	8.7
12	8.5	20	37	121	58	292	49	108	19	13	10	58
13	8.6	16	27	67	43	2630	46	46	12	17	9.4	18
14	8.7	16	25	53	41	804	54	38	12	10	9.0	11
15	25	16	53	51	37	169	52	527	11	9.0	8.8	9.7
16	30	15	36	45	164	91	47	316	11	8.3	9.1	9.9
17	14	18	28	40	145	73	44	365	10	8.3	13	34
18	12	19	26	52	114	77	44	107	9.7	8.3	14	21
19	11	164	25	234	75	71	108	67	9.4	8.2	13	13
20	11	109	23	182	56	54	56	50	9.2	20	10	68
21	11	40	22	78	48	49	44	42	9.1	16	9.2	21
22	11	29	21	57	44	65	40	35	9.0	11	8.9	14
23	11	26	21	48	131	55	35	31	8.6	10	9.8	26
24	11	29	227	38	91	252	38	28	8.4	11	8.7	44
25	11	52	394	50	58	91	65	29	7.8	10	8.1	23
26	12	29	120	40	50	63	44	27	20	13	7.7	18
27	12	26	230	36	45	54	38	30	12	9.5	7.4	14
28	12	23	221	35	40	49	74	26	11	8.5	7.2	13
29	16	22	195	38	---	628	94	34	16	8.1	7.2	12
30	17	27	113	41	---	924	89	40	16	7.8	7.3	11
31	13	---	79	35	---	171	---	49	---	10	8.1	---
TOTAL	359.9	977	2324	3186	2027	7138	1761	2593	526.2	354.1	501.9	558.6
MEAN	11.6	32.5	74.9	102	72.3	230	58.7	43.6	17.5	11.4	16.1	19.6
MAX	30	154	394	750	215	2630	117	527	37	27	125	68
MIN	8.3	12	20	35	36	27	35	26	7.8	7.8	7.2	6.6
CFSM	4.7	1.32	3.04	4.16	2.93	9.32	2.38	3.39	.71	.46	.66	.75
IN.	.54	1.47	3.50	4.80	3.05	10.75	2.65	3.91	.79	.53	.76	.84
CAL YR 1974 TOTAL	20287.0	MEAN 55.5	MAX 1970	MIN 6.2	CFSM 2.25	IN 30.55						
WTR YR 1975 TOTAL	22306.6	MEAN 51.1	MAX 2630	MIN 6.6	CFSM 2.47	IN 33.60						

PEAK DISCHARGE (BASE, 700 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
01-10	2130	18.42	1,880	03-30	0300	18.43	1,900
03-13	1130	19.06	3,030	05-15	1530	17.51	956

TENNESSEE RIVER BASIN

03592800 Yellow Creek near Doskie, Miss.

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

DRAINAGE AREA.--143 mi² (370 km²) authority TVA.

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.

EXTREMES.--Current year: Maximum discharge, 11,800 ft³/s (334 m³/s) Mar. 14 (gage height, 12.31 ft or 3.75 m); minimum 31 ft³/s (0.878 m³/s) Sept. 5 (gage height, 2.62 ft or 0.799 m).
Period of record: Maximum discharge, 12,100 ft³/s (343 m³/s) Jan. 11, 1974 (gage height, 12.59 ft or 3.837 m); minimum, 28.8 ft³/s (0.816 m³/s) July 20, Aug. 1, 1974 (gage height, 2.32 ft or 0.707 m).

REMARKS.--Records good. Records of chemical analyses for the current year are published in the water-quality section of this 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	59	68	134	561	177	198	842	283	277	43	718	37
2	54	64	112	350	203	183	572	199	137	43	277	35
3	52	63	94	426	314	161	411	213	110	41	145	34
4	53	189	85	383	856	157	299	198	93	38	213	33
5	52	600	81	264	1020	150	256	148	80	45	304	37
6	49	165	81	226	640	147	230	130	80	120	131	128
7	49	104	642	193	363	155	211	463	83	80	86	69
8	53	89	421	329	266	146	201	300	75	65	72	46
9	52	80	203	506	244	134	425	362	66	54	65	41
10	50	75	152	1030	209	497	653	231	104	52	61	40
11	49	131	164	2540	259	515	321	186	152	65	57	46
12	47	105	178	1450	300	1250	244	553	115	62	54	237
13	51	85	132	705	211	6710	212	199	76	82	47	109
14	52	87	113	402	190	8490	259	160	63	48	44	57
15	174	83	295	312	171	2320	265	1270	76	42	44	49
16	197	76	213	253	777	924	212	2350	66	40	44	48
17	79	94	147	210	883	653	191	2120	57	39	142	143
18	63	99	120	279	768	519	182	1030	51	38	128	125
19	55	536	113	903	534	510	435	542	46	38	101	73
20	52	880	102	1420	321	344	286	307	45	137	58	386
21	50	341	95	807	249	290	202	224	45	129	49	167
22	52	176	88	472	217	346	180	178	43	62	45	88
23	52	130	84	314	500	300	173	151	41	59	46	118
24	52	122	872	273	699	1210	166	135	38	65	42	245
25	52	257	2280	286	350	971	270	142	38	88	39	154
26	52	143	1410	215	253	514	190	146	69	187	38	115
27	52	117	1110	188	243	332	155	160	49	66	37	90
28	53	102	1530	175	215	271	195	116	43	52	36	76
29	113	93	1160	180	---	1140	486	161	47	47	38	69
30	121	120	971	193	---	3330	495	219	62	48	38	64
31	73	---	693	164	---	1970	---	327	---	49	38	---
TOTAL	2064	5274	13875	16009	11432	34837	9219	13203	2327	2024	3237	2959
MEAN	66.5	175	447	516	408	1123	307	425	77.5	65.2	104	98.6
MAX	197	880	2280	2540	1020	8490	842	2350	277	187	718	386
MIN	47	63	81	164	171	134	155	116	38	38	36	33
CFSM	4.47	1.23	3.13	3.61	2.86	7.86	2.15	2.98	.54	.46	.73	.69
IN.	.54	1.37	3.61	4.16	2.97	9.06	2.40	3.43	.61	.53	.84	.77

CAL YR 1974 TOTAL 114837 MEAN 314 MAX 10200 MIN 30 CFSM 2.20 IN 29.87
WTR YR 1975 TOTAL 116460 MEAN 319 MAX 8490 MIN 33 CFSM 2.23 IN 30.30

PEAK DISCHARGE (BASE, 2,000 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12-25	0830	9.85	2,420	03-30	1300	10.34	3,850
01-11	1200	9.98	2,760	05-16	0830	9.89	2,520
03-14	0215	12.31	11,800				

07032000 Mississippi River at Memphis, Tenn.

LOCATION.--Lat 35°07'37", long 90°04'25", Shelby County, on left bank 50 ft (15 m) downstream from Harahan Bridge at Memphis, 1.3 miles (2.1 km) downstream from Beale Street gage, 3.5 miles (5.6 km) downstream from Wolf River, 62.4 miles (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 current year. Monthly discharge only for some periods, published in WSP 1311.

Gage heights: October 1934 to September 1951 and October 1952 to September 1973 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 miles (2.1 km) upstream at present datum. Apr. 16 to Dec. 21, 1934, nonrecording gage 1,000 ft (305 m) downstream at present datum.

AVERAGE DISCHARGE.--42 years, 472,000 ft³/s (13,400 m³/s), 342,000,000 acre-ft/yr (422 km³/yr).

EXTREMES.--Water year 1974: Maximum discharge, 1,490,000 ft³/s (42,200 m³/s) Feb. 6-7; maximum gage height, 36.36 ft (11.083 m) Feb. 7; minimum daily discharge, 226,000 ft³/s (6,400 m³/s) Aug. 10.
Water year 1975: Maximum discharge, 1,780,000 ft³/s (50,400 m³/s) Apr. 6-7; maximum gage height, 40.32 ft (12.290 m) Apr. 7; minimum discharge, 199,000 ft³/s (5,640 m³/s) Nov. 3, gage height 0.19 ft (0.058 m).
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.
Maximum stage prior to 1937, 46.55 ft (14.188 m) Apr. 9, 1913, at Beale Street gage or about 45.2 ft (13.78 m) at present site.

REMARKS.--Records good. Flow regulated by many locks, dams, and reservoirs upstream. Tables of gage height for water years 1973, 1974, and discharge for water year 1974, not available for inclusion in 1973-74 reports, are given below.

COOPERATION.--Records furnished by Corps of Engineers.

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.80	10.30	23.00	30.00	25.70	15.00	40.00	38.50	28.30	18.50	17.30	5.50
2	8.00	11.10	22.40	29.60	25.50	14.30	40.00	39.10	28.70	18.10	16.70	5.20
3	8.90	11.80	21.90	29.40	25.20	14.80	40.00	39.40	29.00	18.20	15.90	5.10
4	9.80	12.80	21.60	29.60	24.90	13.50	40.30	39.60	29.20	18.20	14.30	5.10
5	10.30	14.30	21.50	29.50	24.80	13.70	40.30	39.80	29.40	18.00	13.50	4.40
6	10.80	15.80	21.40	29.60	24.70	14.00	40.30	40.00	29.60	17.40	12.40	3.70
7	10.60	17.80	21.10	29.60	24.80	14.40	40.20	40.30	29.70	16.60	11.20	3.80
8	12.00	19.00	20.70	29.60	25.70	14.70	40.10	40.50	29.70	15.90	10.00	4.00
9	12.30	19.70	21.10	29.40	26.20	15.80	40.00	40.40	29.80	15.70	9.20	3.80
10	12.30	20.30	21.20	29.20	26.80	17.80	39.70	40.20	29.60	16.10	8.60	3.80
11	11.80	20.30	21.80	28.80	27.30	20.60	39.40	40.10	29.50	16.70	8.00	3.50
12	11.40	20.00	22.90	28.40	27.80	22.90	39.10	39.90	29.30	16.50	7.00	3.00
13	11.20	20.00	24.50	27.70	28.10	24.70	38.80	39.70	29.20	15.60	6.70	3.30
14	11.30	20.20	25.60	26.50	28.60	26.50	38.60	39.40	29.00	14.50	7.40	4.10
15	11.10	20.30	26.80	24.90	28.50	27.80	38.30	39.00	28.80	13.60	8.10	4.40
16	10.10	20.90	27.50	22.90	28.20	29.20	38.00	38.50	28.20	13.20	8.90	3.80
17	9.30	21.80	28.20	20.80	27.80	30.20	37.80	38.00	27.30	12.90	10.50	3.60
18	8.80	22.80	28.90	18.60	27.50	31.00	37.40	37.50	26.10	12.40	11.00	3.50
19	8.60	23.70	29.70	15.80	27.30	31.90	37.10	37.00	24.90	11.70	10.90	2.90
20	8.30	24.20	30.10	15.40	27.20	32.80	37.70	36.50	23.90	11.20	10.80	2.80
21	8.20	24.30	30.50	15.10	27.00	33.80	37.50	36.00	23.10	10.40	10.80	2.90
22	8.40	24.60	30.80	16.30	26.50	34.70	37.50	35.30	22.60	9.60	10.10	2.70
23	8.60	24.60	31.00	17.50	25.60	36.20	37.70	34.40	22.30	9.30	9.60	2.10
24	8.30	24.50	31.10	20.50	24.10	37.30	37.60	33.50	22.30	9.20	8.90	2.20
25	9.20	24.50	31.20	22.60	22.30	38.10	37.60	32.20	22.60	9.80	8.50	2.40
26	9.00	24.40	31.30	24.00	19.90	38.70	37.70	30.80	22.80	11.40	8.10	2.30
27	8.90	24.20	31.30	25.00	17.70	39.10	37.90	29.60	22.50	14.40	7.90	2.40
28	8.90	24.00	31.20	25.70	16.00	39.30	38.10	28.40	21.90	16.80	7.30	2.50
29	8.80	23.70	30.90	26.20	---	39.50	38.30	27.90	20.80	18.00	6.80	2.80
30	9.10	23.40	30.50	26.20	---	39.60	38.40	27.80	19.50	18.20	6.30	3.50
31	9.70	---	30.40	26.00	---	39.80	---	28.00	---	17.90	5.90	---
MEAN	9.74	20.31	26.52	24.90	25.42	27.15	38.71	36.36	26.32	14.71	9.95	3.50
MAX	12.30	24.60	31.30	30.00	28.60	39.80	40.30	40.50	29.80	18.50	17.30	5.50
MTN	7.80	10.30	20.70	15.10	16.00	13.60	37.10	27.80	19.50	9.20	5.90	2.10

MISSISSIPPI RIVER MAIN STEM

07032000 Mississippi River at Memphis, Tenn.--Continued
 GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974
 INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.20	9.60	23.70	24.60	35.60	26.00	26.60	19.10	26.90	21.40	4.30	5.80
2	7.60	9.80	25.00	25.50	35.80	25.80	26.60	18.40	26.60	21.80	4.40	7.60
3	10.50	10.60	26.50	26.30	36.00	25.30	24.30	17.90	26.30	22.10	4.60	8.90
4	12.50	11.60	27.40	26.60	36.20	24.50	23.00	17.30	26.40	22.20	4.60	9.40
5	14.10	12.50	28.20	26.70	36.20	23.80	22.30	17.00	26.80	21.90	4.40	10.00
6	15.30	12.70	29.70	26.70	36.30	22.70	22.30	16.60	27.40	21.60	4.10	11.30
7	16.10	12.50	29.10	26.50	36.30	21.70	22.80	16.50	28.60	21.00	3.70	12.50
8	16.40	12.30	29.50	27.10	36.20	20.70	23.70	16.90	29.10	20.40	3.50	12.80
9	16.50	11.90	29.70	27.70	36.00	20.30	24.30	17.20	29.50	19.60	3.30	13.10
10	16.60	11.40	30.00	28.10	35.80	20.60	24.70	17.20	29.90	18.60	3.20	13.60
11	16.70	10.60	30.00	29.10	35.30	21.50	25.20	17.30	30.00	17.90	3.20	13.60
12	16.50	9.80	29.80	29.40	34.70	22.50	26.10	17.00	30.30	17.00	3.60	13.30
13	15.70	9.40	29.30	29.70	33.90	23.40	26.50	16.60	30.50	15.80	4.10	12.60
14	14.50	9.10	29.00	30.10	33.10	24.00	27.00	16.10	30.60	14.60	5.20	11.50
15	12.90	8.40	28.00	30.20	32.00	24.60	27.30	16.00	30.50	13.60	6.50	10.50
16	11.70	8.50	23.20	30.60	30.60	25.20	27.50	15.80	30.40	12.80	7.70	10.30
17	11.70	7.80	20.50	31.00	28.50	25.80	27.70	16.20	29.90	11.60	8.70	10.50
18	13.00	7.30	14.20	31.60	26.00	26.20	27.80	17.20	29.20	10.20	8.90	10.80
19	13.90	7.30	16.70	32.10	24.40	26.90	27.80	18.60	28.40	9.60	7.80	10.90
20	14.10	7.30	15.70	32.60	23.20	27.50	27.50	20.30	27.60	9.00	6.50	10.60
21	14.20	7.80	14.80	33.00	22.40	28.10	26.90	21.70	25.90	8.70	6.00	10.00
22	14.40	8.20	14.30	33.20	22.70	28.40	27.00	22.60	24.30	8.40	5.80	9.20
23	14.60	8.00	14.00	33.60	23.00	28.60	26.20	23.20	22.90	8.00	5.30	7.90
24	14.70	8.10	13.60	33.50	24.00	28.70	25.20	23.80	21.50	7.70	4.70	6.20
25	14.50	9.10	13.60	34.30	24.70	28.60	24.30	23.40	20.40	7.00	4.10	5.00
26	14.30	10.80	13.80	34.60	25.20	28.40	23.30	25.10	19.80	6.60	3.70	4.60
27	13.80	14.80	15.10	35.00	25.60	28.20	22.30	25.60	19.60	5.90	3.60	4.80
28	12.90	17.90	16.80	35.20	25.90	28.00	21.40	26.00	19.90	5.40	3.50	5.10
29	11.90	19.60	19.00	35.00	---	27.80	20.60	26.10	20.20	5.00	3.30	5.20
30	10.80	21.70	21.40	35.00	---	27.50	19.80	26.10	20.80	4.70	3.40	4.30
31	9.60	---	23.20	35.40	---	27.10	---	26.20	---	4.50	4.00	---
MEAN	13.47	10.89	22.41	30.67	30.56	25.43	24.91	19.87	26.34	13.37	4.83	9.40
MAX	16.70	21.70	30.00	35.40	36.30	28.70	27.80	26.20	30.60	22.20	8.90	13.60
MIN	5.20	7.30	13.60	24.60	22.40	20.30	19.80	15.80	19.60	4.50	3.20	4.30

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	280000	349000	829000	940000	1440000	922000	954000	635000	960000	722000	235000	299000
2	330000	355000	878000	974000	1450000	907000	908000	614000	945000	735000	238000	360000
3	401000	374000	936000	1010000	1470000	880000	850000	598000	934000	739000	241000	363000
4	449000	402000	966000	1010000	1480000	840000	806000	585000	937000	734000	241000	376000
5	432000	420000	955000	1010000	1480000	803000	785000	576000	956000	722000	240000	393000
6	525000	421000	1010000	1010000	1490000	760000	794000	568000	978000	704000	236000	430000
7	544000	415000	1030000	1020000	1490000	715000	821000	574000	1030000	681000	232000	460000
8	580000	409000	1040000	1030000	1470000	678000	864000	588000	1050000	654000	228000	464000
9	562000	398000	1050000	1050000	1440000	667000	885000	601000	1060000	623000	228000	474000
10	554000	385000	1050000	1070000	1400000	679000	900000	604000	1080000	593000	226000	484000
11	556000	363000	1050000	1110000	1380000	713000	918000	611000	1080000	565000	229000	478000
12	547000	344000	1030000	1120000	1330000	749000	955000	605000	1090000	534000	235000	462000
13	522000	337000	999000	1140000	1270000	778000	967000	596000	1100000	491000	244000	440000
14	483000	332000	936000	1150000	1220000	818000	982000	581000	1100000	455000	266000	410000
15	437000	329000	853000	1150000	1170000	856000	992000	577000	1090000	425000	291000	386000
16	409000	322000	754000	1170000	1110000	899000	996000	572000	1080000	400000	317000	385000
17	416000	309000	659000	1190000	1020000	939000	1000000	583000	1050000	363000	336000	394000
18	450000	303000	592000	1210000	922000	975000	1010000	617000	1020000	330000	337000	403000
19	471000	304000	542000	1240000	860000	1020000	1000000	662000	980000	315000	313000	406000
20	474000	307000	525000	1260000	821000	1040000	987000	724000	930000	306000	289000	390000
21	476000	321000	503000	1260000	802000	1060000	960000	773000	864000	303000	281000	366000
22	442000	328000	492000	1290000	808000	1080000	958000	807000	807000	297000	277000	336000
23	447000	329000	484000	1300000	821000	1080000	925000	828000	754000	291000	269000	302000
24	447000	336000	476000	1320000	857000	1080000	878000	848000	707000	284000	262000	265000
25	481000	360000	476000	1340000	846000	1080000	839000	875000	673000	272000	254000	242000
26	473000	415000	498000	1350000	906000	1050000	796000	903000	657000	265000	252000	233000
27	456000	529000	531000	1370000	923000	1050000	754000	926000	659000	254000	254000	240000
28	432000	620000	586000	1390000	924000	1040000	719000	932000	672000	247000	250000	247000
29	403000	642000	661000	1400000	---	1020000	690000	935000	684000	241000	248000	250000
30	375000	788000	737000	1410000	---	1000000	659000	936000	702000	239000	251000	237000
31	356000	---	801000	1420000	---	983000	---	944000	---	237000	263000	---
TOTAL	14358000	11856000	24005000	36734000	32640000	28211000	26552000	21778000	27629000	14021000	4063000	10951000
MEAN	463161	382700	774487	1184967	1165714	910032	845066	702516	920966	452290	260096	365033
MAX	556000	788000	1050000	1420000	1490000	1090000	1010000	944000	1100000	739000	337000	484000
MIN	240000	303000	476000	940000	802000	667000	659000	569000	657000	237000	226000	233000
AC-FT	24480000	23520000	47620000	72860000	64740000	55960000	52670000	43200000	54800000	27810000	15990000	21720000
CUL YR 1973 TOTAL	27592000	MEAN	755456	MAX	1630000	MIN	213000	AC-FT	547300000			
YR 1974 TOTAL	246795000	MEAN	793558	MAX	1490000	MIN	226000	AC-FT	509400000			

MISSISSIPPI RIVER MAIN STEM

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07032000 Mississippi River at Memphis, Tenn.--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	3.40	.50	11.40	16.00	19.50	27.50	38.00	27.40	17.20	13.90	6.30	4.20
2	3.70	.40	11.20	16.90	19.80	28.30	38.60	28.40	16.90	14.30	6.00	5.10
3	4.20	.20	10.90	18.00	20.50	28.70	39.20	29.30	16.50	14.60	4.60	6.10
4	4.80	.40	10.40	18.50	22.00	29.00	39.60	29.80	15.80	14.60	4.20	6.60
5	4.90	1.00	10.30	19.60	23.50	29.10	40.00	30.30	15.60	14.40	4.70	7.30
6	4.90	1.30	10.60	20.30	24.40	29.20	40.20	30.40	15.90	13.20	4.60	8.00
7	4.60	2.20	11.40	20.70	24.80	29.10	40.30	30.50	16.10	12.20	4.40	8.90
8	3.70	4.40	12.40	20.80	25.10	29.10	40.20	30.60	16.20	12.50	3.90	9.00
9	2.90	7.50	13.30	21.00	25.40	28.80	40.20	30.80	16.00	12.90	3.90	8.20
10	2.60	10.20	13.60	20.80	25.60	28.60	40.00	30.70	15.70	13.40	4.10	6.80
11	2.00	11.60	13.60	21.00	25.80	28.30	39.60	30.60	15.20	13.20	4.40	6.10
12	1.20	11.40	13.60	20.60	26.00	28.40	39.10	30.60	15.00	12.30	4.80	5.90
13	1.00	10.60	14.00	20.90	26.00	28.90	38.30	30.40	15.00	12.00	4.20	5.60
14	1.00	10.10	14.50	21.50	25.90	28.80	37.30	30.20	15.20	11.80	3.60	5.40
15	.70	10.10	14.80	23.00	25.80	28.80	36.00	29.80	15.20	11.40	2.80	5.40
16	.30	10.40	15.10	24.00	25.60	29.20	34.50	29.40	15.00	10.80	2.40	5.40
17	.60	10.90	15.30	24.60	25.40	29.60	32.50	28.40	14.60	9.90	2.40	5.60
18	.90	10.90	15.40	25.00	24.80	30.60	29.40	27.20	14.40	9.20	2.40	6.20
19	1.70	11.00	15.40	25.10	24.10	31.90	26.20	25.80	14.60	8.80	3.40	6.80
20	2.50	11.10	15.00	24.80	23.20	32.70	23.60	24.50	14.90	8.60	4.20	6.60
21	3.20	10.80	14.60	24.20	22.50	33.50	21.40	23.60	15.20	8.40	4.80	6.10
22	3.30	10.60	14.40	23.50	22.10	34.30	20.00	22.90	15.50	8.40	5.40	5.80
23	3.30	10.60	14.40	22.60	22.30	35.00	19.30	22.40	15.60	8.60	5.90	5.90
24	3.30	10.40	14.20	21.80	22.30	35.50	18.80	21.90	15.60	8.70	5.40	6.50
25	3.00	10.30	14.30	21.20	22.80	35.90	18.60	21.40	15.30	9.00	4.10	7.60
26	2.30	10.20	13.80	20.70	24.20	36.10	19.00	20.80	14.90	9.30	3.00	8.70
27	1.60	10.50	13.80	20.60	25.60	36.20	20.60	20.20	14.50	9.00	2.40	9.40
28	.90	11.00	13.70	20.60	26.80	36.80	22.80	19.20	14.10	8.50	1.80	9.70
29	.90	11.50	14.00	20.60	---	37.30	24.90	18.20	13.50	8.20	1.70	10.10
30	.90	11.60	14.50	20.40	---	37.40	26.30	17.70	13.40	7.60	2.40	11.10
31	.80	---	15.20	19.80	---	37.60	---	17.40	---	7.00	3.60	---
MEAN	2.42	8.12	13.52	21.29	23.90	31.62	31.48	26.15	15.29	10.86	3.93	7.00
MAX	4.90	11.60	15.40	25.10	26.80	37.50	40.30	30.80	17.20	14.60	6.30	11.10
MTN	.30	.20	10.30	16.00	19.50	27.50	18.60	17.40	13.40	7.00	1.70	4.20

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	230000	204000	444000	586000	699000	1090000	1640000	986000	563000	467000	288000	273000
2	237000	202000	435000	617000	713000	1120000	1660000	1030000	551000	477000	277000	290000
3	252000	200000	425000	654000	748000	1150000	1660000	1060000	536000	486000	256000	310000
4	261000	205000	414000	680000	806000	1160000	1720000	1090000	550000	494000	253000	318000
5	265000	214000	413000	690000	867000	1160000	1750000	1100000	514000	491000	262000	334000
6	268000	219000	426000	721000	902000	1170000	1780000	1120000	523000	469000	259000	352000
7	265000	222000	451000	732000	920000	1160000	1780000	1110000	531000	461000	257000	373000
8	250000	278000	484000	735000	935000	1160000	1740000	1110000	532000	461000	248000	373000
9	241000	345000	505000	731000	953000	1140000	1710000	1110000	524000	472000	247000	352000
10	239000	409000	516000	737000	967000	1140000	1670000	1110000	513000	484000	252000	320000
11	230000	439000	517000	739000	982000	1120000	1680000	1100000	499000	473000	258000	307000
12	218000	434000	520000	734000	985000	1130000	1670000	1100000	494000	444000	268000	303000
13	215000	410000	528000	752000	983000	1150000	1640000	1090000	495000	433000	254000	388000
14	214000	401000	534000	794000	980000	1130000	1610000	1080000	500000	425000	241000	292000
15	208000	402000	540000	852000	973000	1130000	1630000	1060000	500000	413000	242000	293000
16	204000	412000	544000	892000	963000	1140000	1680000	1030000	493000	395000	229000	295000
17	207000	419000	545000	916000	950000	1160000	1730000	987000	483000	363000	229000	298000
18	214000	421000	540000	929000	925000	1200000	184000	931000	480000	352000	232000	313000
19	228000	415000	540000	929000	890000	1250000	184000	870000	486000	342000	232000	322000
20	238000	424000	529000	915000	855000	1280000	156000	817000	493000	334000	261000	314000
21	246000	419000	518000	885000	827000	1310000	1680000	784000	500000	331000	273000	300000
22	249000	418000	515000	863000	813000	1330000	164000	754000	511000	333000	283000	295000
23	249000	416000	514000	814000	825000	1400000	1625000	740000	514000	334000	294000	296000
24	248000	418000	511000	785000	827000	1450000	1615000	720000	511000	337000	283000	310000
25	241000	417000	511000	763000	858000	1490000	1616000	692000	502000	344000	258000	335000
26	231000	420000	501000	744000	923000	1500000	1656000	677000	491000	351000	242000	357000
27	221000	424000	501000	742000	948000	1500000	1706000	655000	480000	343000	233000	352000
28	211000	438000	502000	743000	1040000	1550000	1750000	621000	467000	335000	227000	377000
29	210000	430000	511000	743000	---	1580000	1710000	594000	452000	328000	228000	391000
30	210000	452000	533000	730000	---	1590000	1730000	578000	452000	317000	239000	418000
31	208000	---	555000	704000	---	1610000	---	570000	---	303000	254000	---
TOTAL	7208000	10929000	15522000	23870000	25097000	39450000	37036000	28287000	15140000	12397000	7859000	9851000
MEAN	232516	364300	500709	770000	806321	1272500	1234533	912483	504666	399903	253516	328366
MAX	268000	452000	555000	920000	1040000	1610000	1780000	1120000	563000	494000	294000	418000
MTN	204000	200000	413000	580000	699000	1040000	615000	570000	452000	303000	227000	273000
AC-FT	14300000	21600000	30790000	47350000	49740000	78250000	73460000	50110000	30030000	24590000	15590000	19540000
C4L YR 1974	TOTAL	240230000	MEAN	658186	MAX	1490000	MIN	200000	AC-FT	4765000000		
WTR YR 1975	TOTAL	232646000	MEAN	637386	MAX	1780000	MIN	200000	AC-FT	4615000000		

YAZOO RIVER BASIN

07268000 Little Tallahatchie River at Etta, Miss.

LOCATION.--Lat 34°29'00", long 89°13'30", in SE¼SW¼ sec.8, T.7 S., R.1 E., Chickasaw meridian, Union County, on downstream side of left main pier of bridge on State Highway 30, 0.8 mile (1.3 km) northeast of Etta, 3.8 miles (6.1 km) upstream from Puskus Creek, 4 miles (6 km) downstream from Locks Creek, 13 miles (21 km) west of New Albany, and 55.0 miles (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.

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.

AVERAGE DISCHARGE.--37 years, 851 ft³/s (24.10 m³/s), 21.97 in/yr (558 mm/yr).

EXTREMES.--Current year: Maximum discharge, 40,700 ft³/s (1,150 m³/s) Mar. 13 (gage height, 26.56 ft or 8.095 m); minimum daily discharge, 62 ft³/s (1.76 m³/s) Aug. 28 but may have been lower during periods of no gage-height record, Oct. 1-10 and Aug. 19-Sept. 10.
Period of record: Maximum discharge, 79,000 ft³/s (2,240 m³/s) Mar. 22, 1955 (gage height, 29.32 ft or 8.937 m); minimum, 4.1 ft³/s (0.12 m³/s) Oct. 3, 16, 1938.

REMARKS.--Records fair except those for periods of no gage-height record, which are poor.

REVISIONS (WATER YEARS).--WSP 897: Drainage area. WSP 1211: 1948, 1949 (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	82	100	200	4000	500	547	1710	547	737	120	552	72
2	82	90	200	2800	1300	499	1210	368	429	136	862	66
3	81	84	190	2500	3500	449	992	728	342	131	1840	64
4	81	80	190	2000	4500	432	779	826	294	108	2300	66
5	80	900	180	1400	3500	423	700	410	260	97	2600	90
6	80	1000	180	900	2500	414	657	338	712	95	500	130
7	79	250	4000	700	1200	396	626	1380	592	115	250	70
8	74	200	2000	600	900	388	595	787	340	102	200	64
9	80	170	1500	700	700	341	1860	647	675	95	170	64
10	81	160	1000	6000	600	1760	2050	1200	3200	497	155	68
11	81	350	900	7000	600	4140	829	485	728	477	143	74
12	78	230	1100	3500	2000	7030	631	954	350	155	260	421
13	76	200	900	2000	1000	24000	559	434	276	115	241	260
14	76	180	600	1500	700	23000	832	332	240	99	236	140
15	120	170	2000	1000	500	4130	765	9080	1000	91	222	64
16	350	200	1200	600	4500	2000	576	8060	450	88	214	700
17	200	250	1000	500	4000	1480	485	5300	350	84	248	740
18	150	200	600	600	3500	1840	432	1590	250	93	410	230
19	120	400	450	1500	2500	3010	748	811	280	131	130	620
20	100	600	350	3550	1000	1200	600	613	240	97	100	2200
21	90	700	290	1460	700	871	405	509	500	212	94	900
22	88	300	300	838	600	751	381	431	270	266	88	300
23	86	250	450	668	2500	695	368	369	184	286	82	170
24	85	230	3000	595	1500	6190	362	329	155	587	78	160
25	86	250	5000	647	1120	2120	436	298	140	793	74	145
26	84	300	4000	526	742	859	416	1550	134	479	70	142
27	83	250	3800	454	695	703	348	1990	127	799	66	110
28	82	220	4000	429	626	640	330	748	123	184	62	100
29	81	200	5000	480	---	12500	451	3890	147	133	80	95
30	180	190	8000	974	---	18600	692	2370	156	120	110	90
31	120	---	6000	600	---	4240	---	985	---	116	84	---
TOTAL	3220	4704	59490	51061	47983	129858	21825	48359	13681	6901	12521	8415
MEAN	103	290	1846	1647	1713	4188	727	1559	456	222	403	280
MIN	350	1000	4000	7000	4500	28000	2050	9080	3200	799	2600	2200
MAX	74	80	180	429	500	341	330	298	123	84	62	64
CFS	.20	.55	3.59	3.13	3.25	7.96	1.38	2.97	.87	.42	.77	.53
IN	.23	.62	4.14	3.61	3.30	9.18	1.54	3.42	.97	.49	.89	.60

CAL YR 1974 TOTAL 53553 MEAN 1497 MAX 37700 MIN 70 CFS 2.79 IN 37.88
WTR YR 1975 TOTAL 41100 MEAN 1126 MAX 28000 MIN 62 CFS 2.14 IN 29.07

PEAK DISCHARGE (BASE, 16,000 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
03-13	2345	26.56	40,700	03-30	0545	25.51	28,100

NOTE.--Doubtful or no gage-height record
Oct. 1-10, Oct. 15 to Jan. 20, Aug. 19
to Sept. 10.

07272000 Sardis Lake near Sardis, Miss.

LOCATION.--Lat 34°23'57", long 89°47'10", in NE&SW¼ sec.12, T.8 S., R.6 W., Chickasaw meridian, Panola County, in gagehouse of dam of Little Tallahatchie River, 7.5 miles (12.1 km) southeast of Sardis, and 25.7 miles (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.

EXTREMES.--Current year: Maximum contents, 1,137,900 acre-ft (1,400 hm³) June 2 (elevation 273.30 ft or 83.302 m); minimum, 183,900 acre-ft (227 hm³) Dec. 23 (elevation, 241.85 ft or 73.716 m).
Period of record: Maximum contents, 1,840,700 acre-ft (2,270 hm³) Apr. 28, 1973 (elevation, 285.83 ft or 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 or 69.778 m).

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.

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

240	157.1	255	462.2	270	988.2
245	235.8	260	612.5	275	1,220.7
250	336.2	265	787.2	280	1,487.5

CONTENTS, IN ACRE-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	690200	434800	256200	393800	574100	613500	993000	895400	1130300	1037400	858200	738600
2	680200	427200	249000	413600	571000	610600	1007000	901500	1136000	1029800	853100	732200
3	673700	418800	241200	425600	568200	607300	1008700	903900	1137900	1022700	853100	725000
4	663800	409400	234000	429000	565100	601800	1008700	910000	1137000	1016600	861300	716100
5	654600	404300	226900	442900	563500	594100	1005600	915800	1134100	1009100	872900	709400
6	644800	401600	219800	448900	564400	586800	1000000	919100	1130700	1001700	883700	701400
7	635900	397800	213100	455900	570000	578800	993900	921600	1128400	993000	889800	694400
8	626600	392300	207600	458400	571600	572200	986900	926100	1127400	986500	889800	687100
9	617100	385500	203700	457300	571600	567200	979600	930600	1125000	980000	884900	680900
10	608000	377200	202700	454000	570700	561600	978300	941400	1122200	973600	880100	677100
11	599300	369700	201600	466700	566900	557300	983000	947700	1120300	970200	877300	674400
12	589700	362200	199200	500900	561900	556000	982600	954500	1121700	972800	870900	671000
13	579800	353600	195900	539200	557000	606700	979600	960000	1122200	971500	866100	667900
14	570400	343400	193400	555700	551700	697900	978300	962600	1120800	967700	857000	662800
15	562300	341800	190600	562900	544300	806100	973200	969000	1118900	961700	849600	655700
16	558500	340100	187900	565700	538600	864100	968100	992100	1117000	954500	840600	648200
17	555400	332600	189500	567200	533500	888100	961700	1026700	1113800	947300	834000	640500
18	549800	325600	200800	566500	532000	901000	954500	1055400	1110500	939800	827000	633600
19	543400	317500	202900	566000	533500	906800	945200	1072500	1106800	929800	820100	626600
20	535000	311800	197800	571600	535600	912900	939300	1080300	1102600	924900	813300	620700
21	526600	309300	197100	589000	536500	915400	934800	1085000	1099800	918300	806500	613200
22	516800	311600	191700	604700	535600	913300	928200	1089200	1095600	912100	798900	608900
23	507500	310600	186000	610200	535600	913300	920300	1090100	1090500	906400	791700	604100
24	498300	307400	184100	610500	552300	910000	912100	1089600	1086400	901500	783800	598000
25	488800	301700	195900	608600	582000	906800	903900	1087300	1079900	897400	775700	591300
26	479500	295200	221500	605100	604100	905900	897400	1085000	1073000	893800	767500	584200
27	470300	287800	257300	602800	612800	905500	891400	1083100	1066200	889400	760500	576000
28	460600	280600	287200	597400	614500	901900	887300	1079100	1069000	884900	756800	569100
29	451800	273600	314200	591300	---	898200	885700	1095200	1051800	879300	753900	562600
30	447200	264900	341800	585800	---	905500	888100	1105400	1044600	872900	750200	555100
31	442600	---	368200	580100	---	949400	---	1119800	---	866100	745100	---
MAX	690200	434800	368200	610900	614500	949400	1008700	1119800	1137900	1037400	889800	738600
MIN	442600	264900	184100	533800	532000	556000	885700	895400	1044600	866100	745100	555100
(†)	254.11	246.28	252.06	258.86	260.05	269.91	267.69	273.00	271.20	266.94	263.77	258.00
(‡)	-255600	-178900	+126100	+190700	+38100	+370200	-92500	+231800	-82600	-179300	-119800	-192700

CAL YR 1974 (†) -342600
WTR YR 1975 (†) -144500

(†) 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, Miss.

LOCATION.--Lat 34°23'57", long 89°47'10", in SW¼ sec.12, T.8 S., R.6 W., Chickasaw meridian, Panola County, in gatehouse of Sardis Dam, 7.5 miles (12.1 km) southeast of Sardis, and 25.7 miles (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 1974. Prior to October 1972 published as Tallahatchie River at Sardis Dam, near Sardis.

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.

AVERAGE DISCHARGE.--34 years, 2,277 ft³/s (64.48 m³/s), 20.01 in/yr (508 mm/yr), unadjusted.

EXTREMES.--Water year 1974: Maximum daily discharge, 6,160 ft³/s (174 m³/s) Feb. 28; minimum discharge, 15 ft³/s (0.42 m³/s) at times.

Period of record: Maximum discharge, 11,900 ft³/s (337 m³/s) Apr. 28, 1973; no flow at times each year prior to 1959.

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

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

REVISIONS (WATER YEARS).--WSP 1147: 1946(M). WSP 1711: 1942(M).

NOTE.--Records for 1975 water year will be published in a subsequent report.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4060	4530	684	4480	5150	5950	5940	3130	64	5360	5610	430
2	3940	4510	1020	4710	5180	5940	5930	3120	15	4830	5650	15
3	4520	4490	1360	3540	5180	5920	5920	3120	15	4060	5630	1300
4	4510	4430	2490	2930	5180	5910	5900	3120	697	4240	5620	4480
5	4510	3340	3470	2970	5180	5890	5890	3120	2160	4680	5600	5130
6	4500	3990	4240	3000	5180	5880	5870	3130	3110	5260	5580	5120
7	4490	4640	4730	3680	5170	5870	5860	3140	3850	5520	5560	3960
8	4490	4620	4720	4680	5160	5860	5840	3130	3650	5500	5540	15
9	4480	4600	4710	3640	5260	5840	5660	3130	3450	5490	5530	2890
10	4470	4570	4690	1020	5300	5820	5330	3130	3470	5520	5510	5080
11	4450	4550	4680	15	5420	5810	5310	3130	3480	5580	5490	5070
12	4440	4540	4600	15	5520	5800	3200	3130	3490	5570	5470	5120
13	4430	4530	4490	354	5510	5790	2950	3120	3210	5560	5460	5150
14	4420	4510	4480	1340	4650	5770	2950	3120	2950	5540	5450	5130
15	4420	4480	4450	2350	3410	5970	4300	856	3320	5530	5450	5110
16	4410	4460	4450	4060	3420	6120	5330	15	3490	5510	5450	5090
17	4570	4430	4490	5250	3430	6100	5320	15	3490	5500	5440	5080
18	4490	4400	5250	5250	3900	6090	5310	15	3490	5480	5430	5060
19	4410	4510	4870	5250	3440	6070	5300	15	3170	5530	5420	5170
20	4410	3990	5320	5250	4130	6050	5290	15	964	5680	5470	5130
21	4410	829	5290	5250	4560	4430	5270	15	15	5660	5520	5110
22	4400	2820	5440	5250	3450	6040	3550	15	15	5640	5580	5100
23	4710	4030	5350	5250	3460	6040	3150	15	15	4390	5390	5070
24	4680	4700	5070	4430	4250	6040	3150	15	1080	3250	5050	5050
25	4620	4690	2910	3280	5440	6040	3150	15	4010	3250	5150	5030
26	4590	3230	2950	3290	5990	6030	3150	15	5550	2950	5210	5080
27	4540	15	2990	3310	5980	6010	3140	15	5530	2760	5270	5100
28	4510	15	3000	3320	6160	6000	3140	15	5520	2780	5260	5080
29	4730	15	3190	3630	---	5940	3140	215	5510	3080	5240	5060
30	4600	15	3510	4260	---	5970	3130	1030	5500	3800	3450	5110
31	4590	---	4070	4880	---	5970	---	2110	---	4740	15	---
TOTAL	138800	108574	123564	109974	134060	183000	137370	48176	84280	148240	161495	130320
MEAN	4477	3619	3985	3547	4787	5903	4579	1554	2809	4781	5209	4344
MAX	4730	4700	5440	5250	6160	6120	5940	3140	5550	5680	5650	5170
MIN	3940	15	684	15	3410	4430	2950	15	15	2760	15	15
(†)	-3638	+1625	+106	-9249	-225	-3734	-2249	+3493	+2874	-2975	-4025	-3065

CAL YR 1973 TOTAL 1540537 MEAN 4220 MAX 11900 MIN 15 (†) +137
WTR YR 1974 TOTAL 1507858 MEAN 4131 MAX 6160 MIN 15 (†) -214

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

YAZOO RIVER BASIN

141

07274000 Yocona River near Oxford, Miss.

LOCATION.--Lat 34°16'23", long 89°31'11", in SE¼NW¼ sec.28, T.9 S., R.3 W., Chickasaw meridian, Lafayette County, near left bank on downstream side of pier of bridge on State Highway 7, 1.5 miles (2.4 km) downstream from Burney Branch, 6 miles (10 km) south of Oxford, and at mile 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 or 81.443 m (corrected) above mean sea level. Prior to Jan. 1, 1972, at datum 5.00 ft (1.524 m) higher.

AVERAGE DISCHARGE.--29 years (1946-75), 386 ft³/s (10.93 m³/s), 20.01 in/yr (508 mm/yr).

EXTREMES.--Current year: Maximum discharge, 13,800 ft³/s (391 m³/s) Mar. 13 (gage height, 26.97 ft or 8.220 m, from high-water mark); minimum daily, 40 ft³/s (1.133 m³/s) Sept. 5.

Period of record: Maximum discharge, 44,100 ft³/s (1,250 m³/s) Mar. 21, 1955 (gage height, 28.72 ft or 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.

REMARKS.--Records fair. Records of chemical analyses for the current year are published in the water-quality section of this 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	56	68	103	1910	290	326	1710	327	633	62	80	50
2	54	61	103	1370	476	263	1240	236	375	66	347	47
3	52	59	99	1300	1440	225	987	576	232	66	666	44
4	52	160	98	959	2160	142	847	640	179	60	559	42
5	51	693	98	757	2200	152	662	418	152	58	829	40
6	49	402	98	629	1540	154	480	239	192	52	336	574
7	48	224	1190	516	1210	150	354	284	175	53	184	278
8	48	136	829	380	673	142	269	358	158	73	140	105
9	49	113	691	442	436	148	476	349	138	66	120	79
10	47	108	460	1370	333	334	693	256	708	498	111	72
11	46	195	444	2700	349	1510	452	200	1450	513	95	63
12	45	154	586	2000	476	2640	293	360	1220	148	86	119
13	43	121	470	1280	358	10500	247	238	873	92	79	109
14	76	108	316	883	274	8220	448	175	535	75	82	80
15	170	99	1050	706	242	3530	404	922	590	66	74	65
16	198	103	671	478	1590	1770	242	699	304	61	69	60
17	113	118	520	347	1850	1380	248	862	202	57	77	68
18	76	117	326	460	1870	1220	228	530	160	56	78	117
19	62	253	260	1520	1510	1310	322	331	139	302	75	125
20	58	358	221	1550	1120	1180	340	235	121	138	67	795
21	56	224	197	1180	728	925	258	192	112	101	61	735
22	54	160	183	870	476	699	209	165	109	72	58	546
23	54	127	351	550	728	556	180	145	107	64	55	329
24	54	114	2540	376	675	2020	152	134	96	79	52	188
25	53	134	2290	354	909	1840	163	123	84	124	51	150
26	51	142	1670	293	684	1060	192	192	79	242	50	124
27	50	124	1660	247	428	596	234	308	76	218	55	106
28	49	111	2140	225	416	601	184	218	72	265	48	96
29	82	103	2880	215	---	5370	309	1070	68	115	64	91
30	105	100	3260	229	---	7320	308	1010	66	80	60	81
31	78	---	3000	231	---	2930	---	883	---	69	60	---
TOTAL	2079	4989	28928	26367	25641	59313	13131	12675	9406	3991	4768	5378
MEAN	67.0	166	929	850	915	1913	437	408	313	128	153	179
MAX	198	693	3260	2700	2200	10500	1710	1070	1450	513	829	795
MIN	43	59	88	215	242	142	152	123	66	52	48	40
CFSM	.26	.63	3.55	3.25	3.50	7.30	1.67	1.56	1.20	.49	.59	.68
IN.	.30	.71	4.09	3.74	3.64	8.42	1.86	1.80	1.34	.57	.68	.76

CAL YR 1974 TOTAL 229905 MEAN 629 MAX 10000 MIN 43 CFSM 2.40 IN 32.64
WTR YR 1975 TOTAL 196565 MEAN 538 MAX 10500 MIN 40 CFSM 2.06 IN 27.91

PEAK DISCHARGE (BASE, 8,000 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
03-13	Unknown†	26.97	13,800	03-30	Unknown†	26.28	9,200

†From floodmark.

YAZOO RIVER BASIN

07274500 Enid Lake near Enid, Miss.

LOCATION.--Lat 34°09'29", long 89°54'14", in SW¼NE¼ sec.2, T.11 S., R.7 W., Chickasaw meridian, Yalobusha County, in gatehouse of dam on Yocona River, 0.8 mile (1.3 km) upstream from U.S. Highway 51, 2.8 miles (4.5 km) upstream from Illinois Central Railroad bridge, 3.2 miles (5.1 km) northeast of Enid, and 13.5 miles (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.

EXTREMES.--Current year: Maximum contents, 497,200 acre-ft (613 hm³) April 2 (elevation, 261.64 ft or 79.748 m); minimum, 72,000 acre-ft (88.8 hm³) Dec. 4 (elevation, 232.19 ft or 70.772 m).
Period of record: Maximum contents, 752,000 acre-ft (927 hm³) Apr. 28, 1973 (elevation, 271.15 ft or 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.

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.

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

230	57.6	245	197.3	260	460.2
235	93.4	250	270.0	265	579.5
240	139.4	255	358.2	272	778.1

CONTENTS, IN ACRE-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	304100	188400	83100	187500	235600	256900	495200	444800	474400	412700	334200	271300
2	300000	184100	79200	194300	233700	257000	497200	445800	475800	409200	335300	268200
3	295500	180000	75500	194900	235000	257000	496500	445600	474000	405700	337300	266000
4	291100	175000	72000	194300	243200	256900	495200	450400	470900	402300	343800	263300
5	286700	177200	72100	201700	249000	256600	492600	452100	467300	398600	347700	259400
6	282300	175700	72200	204000	250400	256700	489600	452100	465500	395400	350100	256400
7	277700	172500	73500	205200	250400	256900	486600	453900	463100	391000	348300	253600
8	273400	169100	77800	202900	248500	257300	482500	455600	461100	391000	345800	249900
9	270300	165200	76900	201100	246700	258000	479900	455800	456700	388300	342900	246000
10	267000	161400	81400	207500	244700	259100	488000	463500	457400	384900	339500	242000
11	262700	157700	82600	222700	241900	261700	486500	464400	459300	387500	336600	238100
12	258100	154000	85200	224500	239600	272500	483200	467500	460400	385300	333100	234500
13	255300	150400	87100	235500	237200	305200	480200	469100	460000	384900	330000	230700
14	251600	146100	84400	234600	234900	349000	478000	468200	457800	384900	326700	227100
15	247900	141800	91600	241700	235300	377200	475800	470600	459300	382300	324000	223500
16	244700	137500	97400	242300	236200	388600	472900	477800	458000	379200	320800	219700
17	244700	137500	99500	242200	237100	392800	469500	480700	457100	376000	317400	216500
18	241000	131100	101100	245300	238000	398800	466200	482700	452600	372400	315600	212900
19	236900	128200	101500	248500	239800	399600	463500	483900	449700	369100	312400	209400
20	233200	125400	102700	251700	241300	401100	460900	484600	446300	366000	309400	206000
21	229200	122000	103200	254500	242500	399800	457600	483600	443500	363400	306600	202700
22	224900	118400	103700	255500	241600	397200	455600	480700	442600	360100	303100	199400
23	221000	114300	104200	255600	240700	395800	452300	477300	439400	356900	300000	196300
24	217000	111700	107400	255100	243100	399200	448700	474400	436000	353700	296500	193200
25	213200	106900	120100	253700	249400	401100	445600	470900	432600	352000	293100	190000
26	208900	103200	127200	252700	252400	402100	442200	468000	429300	348800	290100	187000
27	204700	98700	131400	251300	254800	400700	439100	470600	425900	347100	287000	183900
28	200500	95100	141300	248800	256100	397200	437600	468900	422800	344500	283700	180900
29	196300	91400	149200	247500	---	414300	440900	468200	419300	342300	280700	177500
30	196300	87200	164400	241100	---	460000	443300	468900	416200	339100	277400	176500
31	192300	---	180400	237800	---	484600	---	470900	---	335800	274600	---
MAX	304100	188400	180900	255600	256100	484600	497200	484600	475800	412700	350100	271300
MIN	192300	87200	72000	187500	233700	256600	437500	444800	416200	335800	274600	176500
(+)	244.40	233.87	244.19	247.80	249.16	261.46	259.27	260.59	257.82	253.74	250.14	243.26
(-)	-115900	-105200	+102600	+49100	+20600	+236400	-48800	+29000	-59400	-79200	-62400	-96700

CAL YR 1974 (+) -38700
WTR YR 1975 (+) -129900

(+) Elevation, in feet, at 2400 on last day of month.

(-) Change in contents, in acre-feet.

YAZOO RIVER BASIN

143

07275000 Yocona River at Enid Dam, near Enid, Miss.

LOCATION.--Lat 34°09'29", long 89°54'14", in SW¼NE¼ sec.2, T.11 S., R.7 W., Chickasaw meridian, Yalobusha County, in gatehouse at Enid Dam, 0.8 mile (1.3 km) upstream from U.S. Highway 51, 2.8 miles (4.5 km) upstream from Illinois Central Railroad bridge, 3.2 miles (5.1 km) northeast of Enid, and 13.5 miles (21.7 km) upstream from mouth.

DRAINAGE AREA.--560 mi² (1,450 km²).

PERIOD OF RECORD.--July 1928 to September 1974. Prior to October 1951, published as Yocona River near Enid. Monthly discharge only for some periods, published in WSP 1311.

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 mile (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.

AVERAGE DISCHARGE.--46 years, 851 ft³/s (24.10 m³/s), 20.64 in/yr (524 mm/yr), unadjusted.

EXTREMES.--Water year 1974: Maximum daily discharge, 3,300 ft³/s (93.5 m³/s) Mar. 7; minimum discharge, 5.0 ft³/s (0.14 m³/s) at times.

Period of record: Maximum discharge, 36,300 ft³/s (1,030 m³/s) Feb. 14, 1948 (gage height, 21.61 ft or 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; 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 period of estimated record October to December 1931.

REMARKS.--Flow completely regulated by Enid Lake since July 16, 1951 (see sta 07274500).

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

REVISIONS (WATER YEARS).--WSP 1281: 1929, 1945. WSP 1511: 1929(M).

NOTE.--Records for 1975 water year will be published in a subsequent report.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1510	5.0	5.0	2610	1830	2730	571	193	80	2330	2300	236
2	1510	5.0	447	2920	1830	2730	572	193	5.0	1700	2430	5.0
3	1500	5.0	1060	2030	1830	2720	573	193	5.0	1030	2620	674
4	1500	5.0	2110	1630	1830	2720	573	102	305	1170	2620	1930
5	1490	5.0	2610	1640	1830	2560	494	5.0	861	1990	2610	2170
6	1480	5.0	2800	1640	2480	3010	418	94	1500	2330	2610	2160
7	1480	5.0	2910	2050	2800	3300	418	194	1710	2330	2600	1890
8	1480	5.0	3010	2710	2800	3290	418	194	1710	2330	2600	5.0
9	1470	5.0	3050	2860	2790	3280	313	194	1720	2320	2590	1240
10	1470	506	2060	1190	2780	3260	164	194	1730	2420	2590	2150
11	1460	1940	1070	5.0	2780	3250	165	194	1730	2640	2580	2150
12	1450	1930	1070	5.0	2770	3240	58	194	1730	2630	2150	2010
13	1450	1910	1060	5.0	2770	3220	5.0	194	1460	2450	1150	1780
14	1350	1900	1070	312	2760	3210	5.0	194	1220	2250	1930	1780
15	1140	1880	1060	860	2760	3200	95	57	1470	2250	2530	1780
16	1230	1870	1060	1900	2760	3180	190	5.0	1580	2270	2530	1920
17	1550	1860	1320	2760	2750	3170	191	5.0	1580	2310	2520	2200
18	1710	1840	1880	2760	2750	1590	191	5.0	1580	2310	2520	2190
19	1700	1820	2250	2750	2100	561	191	5.0	1410	2240	2510	2190
20	1690	1480	2350	2750	2310	561	191	67	388	2300	2510	2180
21	1680	241	2330	2740	2390	563	191	5.0	5.0	2300	2500	2180
22	1670	216	2320	2740	1800	567	191	5.0	5.0	2300	2500	2170
23	1660	1350	2300	2740	1800	568	192	5.0	5.0	2000	2440	2160
24	484	1610	1920	2240	2020	569	192	5.0	5.0	1910	2320	2160
25	5.0	1610	5.0	1810	2530	569	193	5.0	257	1690	2310	2150
26	5.0	1470	196	1820	2760	569	193	5.0	1040	596	2310	2150
27	5.0	5.0	498	1820	2750	569	193	5.0	1410	5.0	2300	2140
28	5.0	5.0	968	1820	2740	569	193	5.0	2340	620	2300	2140
29	5.0	5.0	970	1830	---	569	193	160	2340	1000	2290	2130
30	5.0	5.0	971	1830	---	571	193	748	2340	1220	1620	2130
31	5.0	---	2030	1830	---	571	---	1380	---	1930	5.0	---
TOTAL	35149.0	26098.0	48760.0	58607.0	68100	61036	7720.0	4804.0	33521.0	59171.0	71395.0	54150.0
MEAN	1133	869	1572	1850	2432	1968	257	154	1117	1908	2303	1805
MAX	1710	1940	3050	2920	2800	3300	573	1380	2340	2640	2620	2200
MIN	5.0	5.0	5.0	5.0	1800	561	5.0	5.0	5.0	5.0	5.0	5.0
(†)	-934	+1760	+104	+3140	-790	-1124	+882	+2657	+1212	-1243	-1961	-1504
CAL YR 1973 TOTAL	665129.0	MEAN	1822	MAX	4510	MIN	5.0	(†)	-56.2			
WTR YR 1974 TOTAL	528511.0	MEAN	1447	MAX	3300	MIN	5.0	(†)	+187			

(†) Change in contents, equivalent in cubic feet per second, in Enid Lake (see sta 07274500).

YAZOO RIVER BASIN

07278000 Arkabutla Lake near Arkabutla, Miss.

LOCATION.--Lat 34°45'26", long 90°07'27", in SW¼ sec.2, T.4 S., R.9 W., Chickasaw meridian, De Soto County, in gatehouse of dam on Coldwater River, 4 miles (6 km) north of Arkabutla, and 54.3 miles (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.

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.

EXTREMES.--Current year: Maximum contents, 374,800 acre-ft (462 hm³) April 1 (elevation 233.25 ft or 71.095 m); minimum, 40,200 acre-ft (49.6 hm³) Dec. 24 (elevation, 210.87 ft or 64.273 m).
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.

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.

REVISIONS (WATER YEARS).--WSP 1007: 1941. WSP 1241: 1947.

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

210	35.3	220	122.3	227	232.2
215	69.8	222	149.0	230	295.0
218	98.9	225	195.9	235	423.1

CONTENTS, IN ACRE-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	112500	52600	65300	117500	118700	204300	374900	241200	300300	225600	193700	111900
2	109400	53200	63700	114200	124500	197300	374300	249400	302400	223300	191400	109300
3	106400	53600	62200	118500	130800	191000	366600	254700	302400	221700	189400	109400
4	103900	54200	60500	114300	132700	183700	359900	264700	299100	220200	189500	109600
5	100200	54000	58900	115700	139600	176100	350700	271000	295000	218300	190500	110000
6	96400	57200	57300	113600	149000	169100	341900	268700	291400	216500	189200	112100
7	93100	59000	55800	110200	150900	161600	304000	266100	290300	219400	186900	112800
8	89400	58500	54200	106800	147900	154100	324200	265300	287400	219200	183700	113700
9	86400	59000	52700	103700	143300	146600	314900	264000	283900	217600	180800	114200
10	83400	59600	51300	104000	138200	140500	320900	263000	281500	216300	177500	114800
11	79500	61000	50300	134600	131700	136800	314900	260700	278400	216500	174400	115100
12	76000	62100	49500	165400	125600	138700	306800	259300	279300	218900	171100	116300
13	72700	62100	49300	172800	120100	204600	298900	258200	277100	218100	167600	116800
14	69200	62300	44500	174300	113100	303300	291900	255100	273300	217400	164200	117200
15	66300	62000	48400	181900	105200	342600	284800	259300	269700	216500	160900	117600
16	63100	61500	50200	183100	102700	359200	277300	274400	267000	214600	157600	118000
17	60200	61200	50500	182300	111200	366600	269300	286500	264300	212100	154500	118400
18	56900	61200	50200	178500	118000	370600	261300	290500	259700	209900	154000	118700
19	53800	61000	46400	175800	120400	367400	253000	293200	255900	209000	151800	119100
20	50700	70600	48600	183400	120400	360700	244800	295900	252000	207600	148700	120400
21	47300	76700	46100	185200	115100	353000	236900	295900	248200	206700	145600	121200
22	46100	79200	43900	183200	108100	344600	229000	292700	244400	205300	142500	121600
23	45900	79000	41400	177700	112000	337200	220000	289000	241000	204100	139000	121900
24	46100	77200	40300	171500	176000	331800	211300	285200	238500	204800	135700	122200
25	46500	77100	54200	167200	196200	325000	204300	281500	236500	205700	132400	122400
26	47000	75800	73900	154100	207400	318400	195900	280600	234700	204800	129200	122700
27	47600	73600	82300	150600	212400	310200	196900	277700	233000	204100	126300	123200
28	48000	72000	93700	143400	210100	301000	194700	277700	231000	202400	122900	123600
29	49900	69900	103600	136000	---	316300	201000	281000	229300	200100	120600	123800
30	51200	67400	111200	124500	---	353500	219100	290500	227600	197600	117200	122200
31	52100	---	115500	121700	---	366900	---	295900	---	195600	114400	---
MAX	112500	79200	115500	185200	212400	370600	374800	295900	302400	225600	193700	123800
MIN	45900	52600	40300	103700	102700	136800	194700	241200	227600	195600	114400	109300
(†)	212.76	214.54	219.56	219.79	225.59	233.15	227.20	230.16	226.69	224.90	219.19	219.89
(‡)	-60900	+13500	+50900	+2800	+86500	+166000	-136100	+62600	-72400	-32100	-81700	+8400

CAL YR 1974 (†) +11300
WTR YR 1975 (‡) +7500

(†) Elevation, in feet, at 2400 on last day of month.
(‡) Change in contents, in acre-feet.

07278500 Coldwater River at Arkabutla Dam, near Arkabutla, Miss.

LOCATION.--Lat 34°45'26", long 90°07'27", in SW¼ sec.2, T.4 S., R.9 W., Chickasaw meridian, De Soto County, in gatehouse of Arkabutla Dam, 4 miles (6 km) north of Arkabutla, and 54.3 miles (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 1974. Prior to October 1938 monthly discharge only, published in WSP 1311. Prior to October 1941 published as "at Pratts Bridge near Arkabutla."

*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 miles (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.

AVERAGE DISCHARGE.--36 years, 1,310 ft³/s (37.40 m³/s), 17.79 in/yr (452 mm/yr), unadjusted.

EXTREMES.--Water year 1974: Maximum daily discharge, 5,180 ft³/s (147 m³/s) Jan. 23; minimum discharge, 5.0 ft³/s (0.14 m³/s) at times.

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.

A stage of 21.3 ft or 6.49 m (from floodmarks) occurred in January 1935 at original site and datum.

REMARKS.--Flow completely regulated by Arkabutla Lake since January 1942 (see sta 07278000).

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

REVISIONS (WATER YEARS).--WSP 1241: 1946. WSP 1441: 1938(M).

NOTE.--Records for 1975 water year will be published in a subsequent report.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	599	164	1950	3460	5010	2950	983	1510	5.0	1790	1870	502
2	598	164	1950	3870	4900	3020	967	1500	5.0	1580	1860	365
3	598	164	2260	4060	4930	3140	945	1490	140	1040	1860	797
4	597	164	2920	4060	5100	3050	920	1480	661	1180	1860	1740
5	597	164	3540	4010	4790	2970	612	1480	994	1520	1850	1730
6	597	165	4090	3900	4140	2760	268	1470	994	1800	1850	1730
7	598	165	4440	3920	4040	2550	268	1450	994	1940	1840	1360
8	605	165	4330	4040	3930	2530	268	1430	1000	1940	1840	5.0
9	1080	230	4270	4060	3850	2470	268	1410	1020	2140	1830	964
10	1860	288	3510	1500	4000	2420	268	1390	1040	2400	1830	1710
11	1800	288	2990	5.0	3520	2540	268	1360	1040	2370	1820	1710
12	1750	288	2898	5.0	3160	2640	274	1330	1050	2340	1820	1700
13	1690	288	2770	341	3060	2800	287	829	1050	2310	1820	1700
14	1650	288	2700	1090	2580	2520	292	448	1050	2270	1810	1690
15	1600	520	3050	2050	1980	2570	954	143	1050	2230	1810	1680
16	1550	1050	3540	3680	2070	2670	1430	5.0	1050	2190	1810	1670
17	1340	1020	3800	4890	2150	2600	1430	5.0	1050	1140	1800	1660
18	1110	995	4220	5060	2510	2500	1420	5.0	1050	5.0	1800	1650
19	1110	966	3580	5090	3290	2510	1410	5.0	1060	1510	1790	1640
20	1100	948	4360	5010	3330	2160	1450	5.0	414	2100	1790	1620
21	1100	879	4040	4960	2920	1050	1490	5.0	5.0	2070	1780	1620
22	1100	1060	3910	4910	2490	1110	1500	292	5.0	2030	1860	1610
23	956	1060	1650	5180	2560	1130	1550	208	5.0	2030	1920	1590
24	895	1050	504	5080	2770	1130	1570	5.0	903	1940	1760	1580
25	890	1030	5.0	5050	2850	1120	1570	5.0	1810	1880	1760	1570
26	885	899	169	4990	2930	1100	1570	5.0	1810	1880	1750	1560
27	880	686	866	4980	3100	1080	1550	5.0	1810	1880	1750	1690
28	875	5.0	1130	4950	3030	1050	1540	5.0	1800	1880	1740	1740
29	870	5.0	1130	4980	---	1050	1530	120	1800	1880	1740	1690
30	424	568	1600	4910	---	1030	1520	434	1790	1880	1230	1660
31	54	---	2500	5020	---	1010	---	429	---	1870	5.0	---
TOTAL	31358	15726.0	84672.0	119111.0	94990	65240	30372	20258.0	28455.0	57015.0	53855.0	43933.0
MEAN	1011	524	2731	3842	3392	2104	1012	653	948	1839	1737	1464
MAX	1860	1060	4440	5180	5100	3140	1570	1510	1810	2400	1920	1740
MIN	54	5.0	5.0	5.0	1980	1010	268	5.0	5.0	5.0	5.0	5.0
(+)	-616	+2005	-1195	+2091	-1370	-1384	+734	+1387	+2520	-1338	-1399	-1181

CAL YR 1973 TOTAL 874292.0 MEAN 2395 MAX 10200 MIN 5.0 (+) -306
WTR YR 1974 TOTAL 644985.0 MEAN 1767 MAX 5180 MIN 5.0 (+) +21.7

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

YAZOO RIVER BASIN

07280000' Tallahatchie River near Lambert, Miss.

LOCATION.--Lat 34°10'50", long 90°12'55", in NE¼SW¼ sec.29, T.27 N., R.1 E., Choctaw meridian, Quitman County, near center of span on downstream side of highway bridge, 0.2 miles (0.3 km) downstream from confluence of Old Little Tallahatchie River and Coldwater River, 3.5 miles (5.6 km) southeast of Lambert, and 26.2 miles (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 miles (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.

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 miles (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.

AVERAGE DISCHARGE.--39 years, 2,672 ft³/s (75.67 m³/s), 18.33 in/yr (466 mm/yr), unadjusted.

EXTREMES.--Water year 1974: Maximum daily discharge, 12,900 ft³/s (365 m³/s) Jan. 14 (gage height, 31.99 ft or 9.751 m); minimum daily discharge, 188 ft³/s (5.32 m³/s) Nov. 15.
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.
A stage of 36.8 ft or 11.22 m (from floodmarks) occurred in January 1932 (probably affected by levee breaks above).

REMARKS.--Flow partly regulated by Arkabutla Lake on Coldwater River (see sta 07278000). Entire flow of Little Tallahatchie River and Yocona River diverted around the station through the Panola-Quitman Floodway.

COOPERATION.--Fifty-three discharge measurements and records of daily discharge furnished by Corps of Engineers; records reviewed by Geological Survey.

REVISIONS (WATER YEARS).--WSP 1281: 1939.

NOTE.--Records for 1975 water year will be published in a subsequent report.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	747	449	9760	4230	9950	6340	1750	2660	7930	2810	2150	3100
2	724	413	9020	4280	9530	5670	1720	2540	9310	2810	2160	2750
3	683	389	7930	4960	9290	5020	1710	2500	9550	2750	2240	2430
4	646	362	6970	6750	8730	4720	1700	2380	9280	2350	2300	1390
5	800	380	7030	7020	8170	4520	1590	3470	9100	2050	2370	1640
6	940	341	6690	6690	7580	4300	1480	3370	8900	2100	2400	2170
7	1050	286	6440	7210	7350	4890	1300	3060	8400	2200	2400	2470
8	1200	250	6350	7240	6880	4420	1200	2670	8850	2400	2410	2560
9	1340	289	6040	8170	6250	4220	1100	2440	9640	2600	2420	1920
10	1400	256	5790	9240	5860	4000	1000	2180	10400	2740	2420	960
11	1660	217	5270	11400	5610	3810	946	1980	10500	2750	2420	1640
12	1970	208	4400	12500	5350	3780	1890	2560	10300	2780	2420	2260
13	2050	210	4370	12800	4960	3810	6740	2520	10100	2880	2430	2690
14	2050	188	4210	12900	4560	3810	6540	2120	9230	2880	2410	2980
15	1980	188	4100	12800	5160	3710	5600	2620	8550	2880	2300	3040
16	1960	470	4050	12700	6220	3690	4160	10300	7700	2950	2360	2400
17	1970	774	4040	12400	7070	3550	3760	12000	6710	2950	2400	1980
18	1740	916	4250	12100	6630	3510	3080	12600	4910	2980	2420	1980
19	1580	1020	4900	11900	7360	3420	2790	12700	6470	2050	2420	1980
20	1570	1110	5560	12000	7910	3320	2410	12400	5500	2000	2400	1980
21	1570	1780	5750	11500	7650	3500	1790	12000	4140	2570	2380	1980
22	1560	3360	5850	11200	9070	3420	2550	11300	3540	2670	2310	2390
23	1560	3200	5850	11100	9210	3000	5540	11900	3210	2830	2250	2220
24	1560	2300	5700	11000	9350	2700	5880	11800	4600	3770	2300	2110
25	1510	1820	6490	11100	9000	2450	5620	11200	4300	3600	2170	2000
26	1250	1670	7370	11000	8470	2250	5200	10600	4100	3450	2150	2010
27	1130	7370	7930	11100	7810	2100	4230	9800	3740	3500	2100	2030
28	1030	9710	7380	10900	6910	1970	3860	8800	3510	3450	2060	2040
29	917	10800	6660	11000	---	1920	3210	7400	3180	3150	2060	2040
30	788	10400	5720	10700	---	1840	2990	5200	3030	2950	2350	2030
31	624	---	4910	10400	---	1820	---	3800	---	2740	3380	---
TOTAL	41459	61126	186780	310330	207890	111520	93436	202870	208680	86840	72760	65130
MEAN	1337	2037	6025	10010	7424	3597	3114	6544	6956	2801	2347	2171
MAX	2050	10800	9760	12900	9950	6340	6740	12700	10500	3770	3380	3100
MIN	624	188	4040	4230	4560	1820	946	1980	3030	2000	2060	960
CAL YR 1973	TOTAL	1823331	MEAN	4995	MAX	15100	MIN	188	(+)	-306		
WTR YR 1974	TOTAL	1648821	MEAN	4517	MAX	12900	MIN	188	(+)	+21.7		

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

YAZOO RIVER BASIN

147

07280270 Tillatoba Creek below Oakland, Miss.

LOCATION.--Lat 33°59'40", long 89°57'12", in NE¼ sec.35, T.25 N., R.3 E., Choctaw meridian, Tallahatchie County, near right bank on upstream side of bridge on county road, 3.3 miles (5.3 km) west of Tillatoba, and 4.6 miles (7.4 km) southwest of Oakland.

DRAINAGE AREA.--37.1 mi² (96.1 km²).

PERIOD OF RECORD.--September 1974 to September 1975.

GAGE.--Water-stage recorder and nonrecording gage read twice daily. Altitude of gage is 220 ft (67 m) from topographic map.

EXTREMES.--September 1974: Maximum observed discharge during period, 204 ft³/s (5.78 m³/s) Sept. 14 (gage height, 8.65 ft or 2.637 m); minimum daily discharge, 7.1 ft³/s (0.20 m³/s) Sept. 20.
Water year 1975: Maximum discharge, 5,820 ft³/s (165 m³/s) Mar. 29 (gage height, 17.72 ft or 5.401 m); minimum daily, 2.1 ft³/s (0.059 m³/s) Sept. 1, 4.

REMARKS.--Records fair.

DISCHARGE, IN CUBIC FEET PER SECOND, 1974

Sept. 1	19	Sept. 7	12	Sept. 13	15	Sept. 19	7.8	Sept. 25	9.1
2	25	8	11	14	147	20	7.1	26	12
3	150	9	12	15	19	21	24	27	19
4	20	10	11	16	9.3	22	11	28	11
5	13	11	11	17	7.3	23	7.3	29	9.1
6	12	12	11	18	7.1	24	7.3	30	7.3
Total									643.7
Mean									21.4
Max									150
Min									7.1

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	7.1	8.6	13	53	95	24	87	40	19	8.2	164	2.1
2	6.9	8.6	13	37	395	17	70	24	12	8.0	30	2.5
3	6.7	8.2	12	61	541	14	54	271	10	8.2	49	2.2
4	6.9	76	11	53	361	13	43	58	9.6	8.2	573	2.1
5	7.3	42	11	32	87	12	37	27	9.3	8.0	58	5.8
6	6.9	13	13	27	44	12	33	19	35	7.8	13	31
7	6.7	11	112	25	28	15	30	199	17	10	6.7	5.8
8	7.1	11	27	29	23	12	34	48	12	9.3	4.7	4.7
9	6.5	10	16	23	22	10	631	102	38	8.2	4.3	15
10	6.9	11	14	1000	19	108	83	67	589	25	4.0	7.8
11	6.7	50	73	131	21	419	41	482	98	17	3.7	3.7
12	6.5	16	37	72	17	614	27	457	53	9.8	3.6	13
13	6.5	12	20	49	14	3590	24	38	17	8.6	3.3	6.1
14	6.5	11	17	41	14	293	98	187	20	7.8	3.6	3.9
15	59	11	480	40	15	95	49	590	46	7.8	4.1	3.4
16	37	11	47	32	454	73	33	174	17	7.6	3.3	3.4
17	12	20	23	26	60	61	27	78	13	7.1	3.7	3.9
18	9.3	16	17	89	64	92	26	36	10	7.3	4.1	3.9
19	7.3	73	16	688	33	75	61	22	9.1	8.0	4.0	3.6
20	7.8	32	15	156	23	45	33	17	8.8	8.0	3.3	16
21	6.5	16	13	62	19	37	23	16	37	7.6	3.1	4.7
22	6.9	14	12	46	134	32	20	14	23	6.9	2.9	3.4
23	6.5	12	12	38	474	73	18	12	10	6.9	2.7	3.3
24	6.5	13	655	37	54	946	18	12	8.4	6.7	3.2	3.6
25	7.6	22	135	42	27	59	48	11	8.6	12	2.9	3.3
26	7.6	15	27	32	19	38	24	11	9.3	30	2.7	3.2
27	7.6	13	212	29	158	31	18	13	9.6	16	2.6	3.1
28	7.1	12	73	27	35	28	56	11	9.6	11	2.7	2.9
29	21	12	786	26	---	4160	46	38	9.1	9.6	5.6	2.9
30	12	14	401	25	---	915	151	17	8.2	8.6	2.8	2.8
31	8.6	---	120	28	---	122	---	102	---	8.8	2.5	---
TOTAL	325.5	594.4	3433	3056	3250	12035	1943	3193	1175.6	314.0	977.1	173.1
MEAN	10.5	19.8	110	98.5	116	388	64.7	103	39.1	10.1	31.5	5.77
MAX	59	76	786	1000	541	4160	631	590	589	30	573	31
MIN	6.5	8.2	11	23	14	10	18	11	8.2	6.7	2.5	2.1
CFSM	.28	.53	2.96	2.65	3.13	10.46	1.74	2.78	1.05	.27	.85	.16
IN.	.33	.60	3.44	3.06	3.26	12.07	1.95	3.20	1.18	.31	.98	.17

WTR YR 1975 TOTAL 30469.7 MEAN 83.4 MAX 4160 MIN 2.1 CFSM 2.25 IN 30.55

PEAK DISCHARGE (BASE, 2,000 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
01-10	1445	16.35	2,950	03-29	0730	17.72	5,820
03-13	0530	17.33	4,910	05-11	2230	16.36	2,970
03-24	0345	16.51	3,220				

YAZOO RIVER BASIN

07281000 Tallahatchie River at Swan Lake, Miss.

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, on downstream side of left pier of highway bridge, 1 mile (2 km) southeast of Swan Lake, 3 miles (5 km) downstream from Cassidy Bayou, and 18 miles (29 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 1974. 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.

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 miles (2.1 km) upstream. Oct. 4, 1944, to Dec. 31, 1958, auxiliary water-stage recorder at site 2.8 miles (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 miles (6.1 km) downstream from former base gage at same datum.

AVERAGE DISCHARGE.--36 years (1938-73), 7,447 ft³/s (210.9 m³/s), 19.71 in/yr (501 mm/yr), unadjusted.

EXTREMES.--Water year 1974: Maximum daily discharge, 28,000 ft³/s (793 m³/s) Jan. 14 (gage height, 30.28 ft or 9.229 m); minimum daily, 4,720 ft³/s (134 m³/s) Sept. 10.
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.

REMARKS.--Flow partly regulated by Sardis Lake on Little Tallahatchie River (see sta 07272000), Enid Lake on Yocona River (see sta 07274500), and Arkabutla Lake on Coldwater River (see sta 07278000).

COOPERATION.--Fifty-one discharge measurements and records of daily discharge furnished by Corps of Engineers; records reviewed by Geological Survey.

REVISIONS (WATER YEARS).--WSP 1711: 1932(M).

NOTE.--Records for 1975 water year will be published in a subsequent report.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6990	5990	19500	16100	22600	17400	10500	9300	15400	11300	9150	10600
2	7040	5560	19700	15700	21800	17100	10400	8970	15200	11200	8860	10500
3	6930	5420	18200	15800	21500	16800	10200	8700	15400	11000	8800	9400
4	6830	5400	17600	16100	21000	16600	9900	8440	15300	10900	8800	7250
5	6890	6170	17000	16100	20200	16300	9630	8660	15100	10800	8910	6710
6	6980	6210	16200	16300	19500	16100	9300	8770	14600	10600	9050	7100
7	7000	5310	15900	16400	18900	15800	8980	8740	14400	10500	9230	7550
8	7200	5880	15600	16400	18400	15600	8710	8530	16300	10400	9510	7860
9	7550	7520	15300	16400	17800	15400	8440	8240	17500	10300	9720	6790
10	7550	7520	15000	16600	17300	15200	8220	7950	19000	10300	9810	4720
11	7530	7080	14400	22600	16900	15000	8100	7710	20300	10300	9850	6390
12	7620	7210	14500	25800	16500	14900	10400	8490	21500	10400	9880	7810
13	7850	7360	14200	27500	16200	14700	11700	8600	22600	10500	9960	8520
14	7960	7420	13800	24000	16000	14500	12400	8850	23200	10600	10000	8910
15	7990	7410	13400	27800	15800	14300	12900	8850	23400	10600	10000	9180
16	7960	7370	13000	27000	15800	14100	13100	12600	23500	10700	10100	9260
17	7880	7410	12600	26100	15800	13900	13100	15000	21000	10800	10200	9310
18	7850	7550	12100	25300	15900	13700	12600	17500	20000	10900	10300	9320
19	7840	7650	11900	24800	16400	13600	12000	19300	19300	10900	10300	9340
20	7800	7760	12300	24400	16600	13400	11300	20000	18400	10800	10300	9330
21	7780	8680	12100	24200	17000	13500	10800	20200	17500	10700	10300	9330
22	7750	9130	12100	23500	17700	13400	11000	20600	16400	10600	10300	9360
23	7700	9100	12100	23900	18400	13300	11600	21000	15100	10600	10200	9440
24	7660	8930	12800	24700	18700	13200	11800	21100	14100	10800	10200	9460
25	7360	9050	14500	25600	18800	13000	11900	21100	13200	10900	10200	9490
26	6840	9380	15700	25900	18400	12600	11700	21100	12500	11300	10200	9490
27	6430	12100	16500	26200	17800	12200	11300	18700	12100	11600	10200	9490
28	6250	15200	17200	26700	17600	11800	10800	17600	11800	11300	10100	9440
29	6160	17000	17600	26700	---	11500	10300	16500	11600	10900	10100	9420
30	6080	18800	17600	25400	---	11300	9770	15400	11400	10300	10200	9400
31	6060	---	16800	23800	---	10900	---	14500	---	9640	10500	---
TOTAL	225310	252460	467600	700200	505300	441100	322950	420030	507100	332440	305230	260170
MEAN	7268	8115	15043	22587	18046	14229	10765	13549	16903	10723	9846	8672
MAX	7690	18800	19700	24000	22600	17400	13100	21100	23500	11600	10500	10600
MIN	6060	5310	11900	15700	15800	10900	8100	7710	11400	9640	8800	4720
CHG YR 1973 TOTAL	4986090	MEAN	13660	MAX	44900	MIN	5310	(+)	-224			
WTR YR 1974 TOTAL	4739490	MEAN	12986	MAX	24000	MIN	4720	(+)	-5.2			

(+) Change in contents, equivalent in cubic feet per second, in Sardis, Enid, and Arkabutla Lakes (see stas 07272000, 07274500, and 07278000).

YAZOO RIVER BASIN

149

07282000 Yalobusha River at Calhoun City, Miss.

LOCATION.--Lat 33°50'20", long 89°18'55", in SE¼SE¼ sec.23, T.23 N., R.9 E., Choctaw meridian, Calhoun County, on left bank of Yalobusha River Canal at downstream side of bridge on State Highway 9, 0.8 mile (1.3 km) upstream from Topashaw Creek, 1.2 miles (1.9 km) south of Calhoun City, 1.5 miles (2.4 km) upstream from old channel, and 4.8 miles (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.

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 miles (4.0 km) southwest of base gage. Prior to Aug. 16, 1963, nonrecording gage and crest-stage gage on Topashaw Creek Canal.

AVERAGE DISCHARGE.--25 years, 391 ft³/s (11.07 m³/s), 17.41 in/yr (442 mm/yr).

EXTREMES.--Current year: Maximum discharge, 39,200 ft³/s (1,110 m³/s) Mar. 13; maximum gage height at river gage, 23.74 ft (7.236 m) Mar. 13; minimum daily discharge, 6.1 ft³/s (0.17 m³/s) Oct. 5, 14.
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.

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.

REVISIONS (WATER YEARS).--WRD Miss. 1970: 1969 (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	10	9.4	119	1440	209	232	654	280	134	13	2280	24
2	9.1	8.5	92	500	568	176	288	173	79	12	1160	16
3	7.8	7.7	64	1010	6150	141	202	1180	57	20	836	11
4	7.3	16	49	1520	5010	130	141	1230	47	10	1600	10
5	6.1	197	42	577	2940	123	117	354	42	9.4	1710	8.5
6	6.3	39	53	289	1120	117	100	186	45	8.2	484	74
7	6.7	21	4450	196	426	114	93	2450	45	20	157	41
8	7.8	19	1740	237	274	106	91	2500	36	124	86	25
9	7.3	18	709	243	228	99	306	716	60	147	70	16
10	7.5	16	204	3310	186	470	535	390	1220	783	62	24
11	6.9	14	332	5310	327	1200	251	204	1540	335	54	56
12	6.3	18	383	2060	2920	1840	165	141	776	93	48	297
13	6.3	16	190	972	919	31500	157	111	201	46	39	104
14	6.1	14	116	377	384	13900	4510	105	115	40	35	73
15	28	15	521	272	273	2710	1800	861	110	33	30	33
16	49	15	397	211	7530	979	502	1610	76	26	213	20
17	24	14	194	158	5160	524	277	684	52	25	256	191
18	16	15	115	177	2310	1340	208	243	41	21	41	87
19	13	1260	99	2570	1010	2240	2010	134	33	19	39	52
20	17	3300	78	3550	450	848	1350	81	32	28	27	37
21	17	1050	69	1250	294	348	393	64	38	45	24	35
22	10	294	65	442	224	220	187	58	54	33	19	24
23	8.7	89	62	253	823	224	153	49	63	26	17	24
24	8.2	68	4520	214	846	5710	142	45	48	475	16	30
25	8.3	150	6450	318	324	1830	144	39	34	1830	13	27
26	8.2	104	2350	241	208	640	167	161	25	1310	13	25
27	8.0	75	3640	181	352	242	190	254	23	347	12	22
28	7.9	58	3350	147	330	210	159	84	19	112	12	21
29	9.8	46	4200	130	---	6140	178	475	15	70	11	18
30	12	58	6670	124	---	5540	321	827	15	58	14	17
31	13	---	3550	114	---	1470	---	140	---	47	26	---
TOTAL	359.6	7013.6	44914	33442	41804	82073	16491	15479	5076	6215.6	9404	1454.5
MEAN	11.6	233	1444	1078	1493	2647	549	512	164	200	303	44.4
MAX	49	3300	6670	3310	7530	31500	4510	2500	1540	1830	2280	297
MIN	6.1	7.7	42	114	106	95	91	49	15	8.2	11	8.5
CFSM	.04	.77	4.75	3.54	4.90	8.58	1.80	1.64	.55	.56	.99	.16
IN	.04	.86	5.44	4.08	5.10	10.01	2.01	1.94	.62	.75	1.15	.18
CAL YR 1974	TOTAL	266153.0	MEAN	725	MAX	9340	MIN	4.0	CFSM	2.39	IN	32.46
WTR YR 1975	TOTAL	264127.3	MEAN	723	MAX	31500	MIN	6.1	CFSM	2.37	IN	32.21

PEAK DISCHARGE (BASE, 11,000 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
01-10	2000	20.04	14,000	03-13	1700	23.74	39,200
02-16	0700	18.05	12,200				

YAZOO RIVER BASIN

07283000 Skuna River at Bruce, Miss.

LOCATION.--Lat 33°58'25", long 89°20'50", in SW¼SW¼ sec.6, T.13 S., R.1 W., Chickasaw meridian, Calhoun County, near right bank on downstream side of bridge on State Highway 9, 1 mile (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.

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. Oct. 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.

AVERAGE DISCHARGE.--28 years, 369 ft³/s (10.45 m³/s), 19.73 in/yr (501 mm/yr).

EXTREMES.--Current year: Maximum discharge, 25,600 ft³/s (725 m³/s) Mar. 14 (gage height, 26.12 ft or 7.961 m); minimum daily, 15 ft³/s (0.42 m³/s) Oct. 10-14.

Period of record: Maximum discharge, 61,400 ft³/s (1,740 m³/s) Mar. 21, 1955 (gage height, 34.11 ft or 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.

REMARKS.--Records good except those above 3,000 ft³/s (85.0 m³/s) and those for periods of doubtful or no gage-height record, which are poor.

REVISIONS (WATER YEARS).--WSP 1920: 1958(P), 1959-60(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	20	24	141	800	237	256	1300	220	132	23	1050	60
2	14	24	47	485	985	147	860	115	72	23	984	31
3	17	22	51	864	1030	143	720	400	57	23	793	23
4	17	42	51	1200	980	119	600	440	49	22	1370	20
5	14	242	45	495	1200	109	450	160	45	21	1610	20
6	14	95	49	353	754	117	300	100	47	20	253	47
7	14	44	2430	287	380	108	250	160	59	21	97	56
8	14	42	434	306	261	106	190	240	49	124	64	29
9	14	34	304	414	225	47	270	240	47	46	63	24
10	15	34	144	2910	201	249	440	170	8540	461	53	23
11	14	34	404	1630	188	2000	350	90	5020	383	47	25
12	15	45	451	852	632	2230	200	240	1930	89	41	33
13	15	34	275	525	384	19000	180	130	318	37	38	69
14	15	33	143	330	227	15000	310	80	178	28	36	32
15	98	32	1210	269	185	1310	290	1570	820	23	38	23
16	267	30	260	258	1940	1240	170	852	254	21	36	20
17	71	38	267	224	2400	940	170	1040	101	19	59	555
18	34	42	142	244	1540	850	160	249	66	42	73	586
19	22	134	125	1210	1100	920	230	125	51	166	46	97
20	25	321	115	925	407	750	235	86	116	33	33	1780
21	31	144	100	521	245	620	180	71	65	25	29	765
22	24	73	84	340	198	420	150	62	422	36	27	144
23	26	55	40	252	584	410	120	55	222	25	24	82
24	24	44	3010	220	771	1400	105	50	65	28	24	73
25	24	324	2040	259	303	1200	110	47	42	149	23	68
26	22	155	275	237	192	620	130	50	34	452	22	55
27	21	44	1540	145	1250	410	160	140	34	2100	22	47
28	20	52	1540	164	546	425	130	74	28	193	22	41
29	24	51	4410	157	---	6000	215	1280	26	80	21	40
30	30	50	4020	147	---	9000	210	635	25	82	30	38
31	28	---	2120	144	---	2200	---	200	---	56	82	---
TOTAL	1034	2471	22542	20414	19430	58016	9185	9372	18914	4851	7110	4906
MEAN	33.3	42.3	420	654	595	2213	305	302	630	156	229	163
MAX	267	323	4410	2910	2400	19000	1300	1570	8540	2100	1610	1780
MIN	15	22	45	157	185	47	105	47	25	19	21	20
MEAN	1.13	1.32	3.43	2.54	2.74	8.71	1.21	1.19	2.48	.62	.90	.64
TOTAL	1.14	1.35	4.13	2.59	2.55	10.05	1.35	1.37	2.77	.71	1.04	.72
Q10	1974	TOTAL	143222	501	548	10300	414	13	CFS 1.98	IN 26.33		
Q20	1974	TOTAL	144345	533	548	14000	414	15	CFS 2.10	IN 28.54		

PEAK DISCHARGE (BASE, 5,000 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12-24	1230	15.96	6,160	03-14	Unknown†	26.12	25,600
12-29	1530	17.54	8,180	a	Unknown	Unknown	About 15,000
01-10	1730	19.45	11,100	06-10	1400	21.80	15,500
02-16	1845	15.01	5,110				

† From floodmark

a Probably occurred Mar. 30.

NOTE.--Doubtful or no gage-height record Oct. 5-14, 21-24, 27, 28; part of Dec. 24 and 25; Mar. 14, 15; Mar. 17 to May 15.

07284500 Grenada Lake near Grenada, Miss.

LOCATION.--Lat 33°48'31", long 89°46'14", in NE¼NE¼ sec.4, T.22 N., R.5 E., Choctaw meridian, Grenada County, at gatehouse of dam on Yalobusha River, 2.2 miles (3.5 km) upstream from Batupan Creek, 3 miles (5 km) northeast of Grenada, and 63.6 miles (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.

EXTREMES.--Current year: Maximum contents, 1,001,000 acre-ft (1,234 hm³) Apr. 3 (elevation 225.27 ft or 68.662 m); minimum, 96,900 acre-ft (119 hm³) Dec. 4 (elevation, 194.10 ft or 59.162 m).
Period of record: Maximum contents, 1,575,600 acre-ft (1,940 hm³) Apr. 28, 1973 (elevation, 234.48 ft or 71.470 m); minimum since initial filling of reservoir to conservation level, 66,900 acre-ft (82.5 hm³) Dec. 4, 1962 (elevation, 190.95 ft or 58.202 m).

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.

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

190	59.0	205	264.3	220	747.3
195	106.5	210	389.1	225	986.6
200	171.8	215	549.3	230	1,273.8

CONTENTS, IN ACRE-FEET, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
INSTANTANEOUS OBSERVATIONS AT 0600

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	476800	227500	107100	389100	431400	547200	994600	915500	929500	868100	699300	569000
2	467400	219800	103100	400500	436000	539400	998800	918000	924000	859500	714400	560900
3	458200	211900	99100	405000	440900	531300	998800	917000	918000	855700	725000	552900
4	448600	204000	97100	405400	466200	524000	998300	921000	912500	842300	731000	545000
5	439000	203700	97300	408400	498000	516600	997200	921500	905600	833900	740800	536200
6	430200	198600	97700	407300	513200	511100	995600	917500	900200	826000	744300	535200
7	421700	192000	102400	406100	515200	505100	993000	916500	895700	815400	742500	526100
8	412800	184800	112200	402900	512800	502400	985000	920000	891800	814500	737000	519100
9	403500	177700	123700	399700	508800	498700	978800	922500	884400	807100	729300	510100
10	395400	170600	131400	395700	503400	494000	978800	942700	896200	799800	722100	501700
11	387100	164800	136400	426300	497000	495300	975100	943200	940100	798900	718700	492700
12	380200	158100	141800	457500	494300	504400	967400	940500	962200	788900	717800	486000
13	373800	156500	145900	462600	492000	551100	959600	937600	970000	787600	712300	480900
14	368900	157200	149500	462600	490000	702600	959600	931000	968400	777300	704700	472600
15	358000	157500	151300	459800	485700	793900	965300	935000	965300	769300	697200	464900
16	352500	151300	155900	455600	488700	811700	967400	948800	964800	761400	689400	456600
17	346200	145400	160500	452400	512800	819500	962200	964300	958100	753900	682000	449500
18	338800	139400	163200	445400	539000	827800	955500	970000	953000	745600	684900	444300
19	331600	137800	163300	442100	547900	832900	951400	972500	947300	738300	671000	438400
20	322900	135100	165600	456200	549300	842800	956000	973600	941700	730600	664400	431700
21	315400	138200	166800	473200	546400	845700	953000	972000	935500	726300	656800	426600
22	307300	142400	167100	475500	541800	841900	945800	966300	932000	719900	648800	419900
23	297800	141400	167500	473600	535200	838500	938100	960700	927500	712300	640500	412700
24	289200	138700	172400	469400	539700	847100	930500	955000	920500	704700	631900	402600
25	281200	135100	191600	463600	546100	865200	924000	948300	913000	707200	624000	395100
26	272700	131100	219100	460400	550400	869000	917000	942700	905100	711900	615900	388500
27	264700	126400	239600	455300	552200	863800	911600	939500	897700	717000	607900	381300
28	257500	122000	263200	450200	552900	857100	909100	935500	890300	721600	599900	373300
29	250000	117400	288500	444300	---	865200	910600	936000	883000	717400	593100	365400
30	243400	112000	324600	440000	---	945800	912500	936500	876200	710200	584400	357500
31	235400	---	364200	434200	---	982400	---	933500	---	701800	577000	---
MAX	476800	227500	364200	475500	552900	982400	998800	973600	970000	864100	744300	569000
MIN	235400	112000	97100	384100	431400	494000	909100	915500	876200	701800	577000	357500
(†)	203.32	194.81	209.80	211.49	215.03	225.11	223.59	223.91	222.69	218.85	215.61	208.74
(‡)	-283300	-125500	+279100	+49400	+117500	+442000	-77900	+16000	-60000	-172000	-127000	-216900

CAL YR 1974 (†) -99900

WTR YR 1975 (†) +158,600

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

(‡) Change in contents, in acre-feet.

YAZOO RIVER BASIN

07285000 Yalobusha River at Grenada Dam, near Grenada, Miss.

LOCATION.--Lat 33°48'31", long 89°46'14", in NE&NE¼ sec.4, T.22 N., R.5 E., Choctaw meridian, Grenada County, in gatehouse of Grenada Dam, 2.2 miles (3.5 km) upstream from Batupan Creek, 3 miles (5 km) northeast of Grenada, and 63.6 miles (102.3 km) upstream from mouth.

DRAINAGE AREA.--1,320 mi² (3,420 km²), approximately.

PERIOD OF RECORD.--July 1953 to September 1974.

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.

AVERAGE DISCHARGE.--21 years, 1,832 ft³/s (51.88 m³/s), 18.85 in/yr (479 mm/yr), unadjusted.

EXTREMES.--Water year 1974: Maximum daily discharge, 6,510 ft³/s (184 m³/s) Feb. 12; minimum daily, 109 ft³/s (3.09 m³/s) Nov. 28.

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.

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

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

NOTE.--Records for 1975 water year will be published in a subsequent report.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3340	4040	277	3310	3860	5440	4880	736	1020	4450	4520	664
2	3340	4100	664	4230	4030	5540	3420	735	354	4450	4520	971
3	3460	4040	1210	2590	4070	5520	5660	735	355	4440	4500	1890
4	3950	2880	2320	296	4080	5510	5660	736	961	4430	4490	3650
5	3930	1220	3260	300	4690	5500	5640	736	2180	4420	4480	4180
6	3920	3990	4030	1000	5250	5480	5620	736	2890	4420	4480	4160
7	3900	3930	3640	2600	5250	5470	5600	736	2550	4410	4470	3700
8	3890	3070	3900	4200	5240	5460	5580	735	357	3940	4450	314
9	3880	3420	3830	4530	5230	5440	4160	735	360	3330	4440	2480
10	3860	3910	3800	4350	5220	5430	2210	735	360	4260	4430	4190
11	3850	3870	3780	867	5990	5410	1420	735	360	4690	4420	4180
12	3830	3970	3710	318	6510	5400	720	735	361	4680	4420	4160
13	3890	3980	3630	320	5960	5380	725	735	362	4680	4410	4150
14	3910	3910	3600	501	5650	5370	729	735	748	4660	4400	4140
15	3880	4070	3650	674	5650	5350	730	503	1720	4660	4390	4120
16	3870	4230	3750	1240	5640	5340	731	338	2030	4650	4380	4110
17	3860	4210	3910	1660	5640	5320	731	341	2030	4640	4380	4100
18	3830	4000	4260	2170	5630	5310	731	342	2030	4630	4360	4080
19	3780	4180	4780	4040	5630	5290	731	342	2030	4690	3860	4070
20	3730	2820	5110	5310	5630	5280	731	342	2030	4620	3220	4050
21	3680	2070	5340	5310	5620	5280	731	446	2030	4610	4080	4040
22	3620	2430	5270	5310	5620	5280	731	517	2030	4600	4140	4020
23	3770	3600	5200	4620	5630	5270	734	346	556	4590	4240	4110
24	4410	3890	3040	1680	5610	5260	735	348	1110	4590	4230	4300
25	4380	3880	264	340	5600	5240	736	348	2380	4580	4220	4270
26	4140	3860	275	342	5590	5460	736	350	4050	4570	4200	4250
27	4530	1700	372	344	5580	5610	736	350	4480	4570	4180	4350
28	4490	109	588	562	5560	5520	736	351	4480	4560	4170	4420
29	4400	274	878	1950	---	4840	736	474	4470	4550	4160	4390
30	4340	276	1170	2850	---	5610	736	887	4460	4540	3080	4350
31	4290	---	1720	3470	---	5600	---	1780	---	4540	315	---
TOTAL	121950	95929	91228	71404	149660	167210	63756	18700	55134	139450	128035	109859
MEAN	3933	3197	2942	2303	5345	5393	2125	603	1837	4498	4130	3661
MAX	4530	4230	5340	5310	6510	5610	5660	1780	4480	4690	4520	4420
MIN	3340	109	264	296	3860	4840	720	338	354	3330	315	314
(+)	-3830	+4990	+12430	+8392	-1358	-3768	+1370	+3799	+2163	-3910	-3715	-2590
CAL YR 1973 TOTAL	1162826.0	MEAN	3185	MAX	5340	MIN	5.0	(+)	+108			
WTR YR 1974 TOTAL	1212315.0	MEAN	3321	MAX	6510	MIN	109	(+)	-139			

(+) Change in contents, equivalent in cubic feet per second, in Grenada Lake (see sta 07284500).

07287000 Yazoo River at Greenwood, Miss.

LOCATION.--Lat 33°31'17", long 90°11'03", in NE¼SW¼ sec.10, T.19 N., R.1 E., Choctaw meridian, Leflore County, on left bank 110 ft (33.5 m) downstream from bridge on U.S. Highways 49E and 82 (old) in Greenwood, 0.4 mile (0.6 km) downstream from Palusha Bayou, 3 miles (5 km) downstream from confluence of Tallahatchie and Yalobusha Rivers, and at mile 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.

AVERAGE DISCHARGE.--52 years (1907-12, 1927-74), 10,118 ft³/s (286.5 m³/s), 18.44 in/yr (468 mm/yr), unadjusted.

EXTREMES.--Water year 1974: Maximum daily discharge, 35,200 ft³/s (997 m³/s) Jan. 28 (gage height, 36.35 ft or 11.079 m); minimum daily discharge, 9,800 ft³/s (278 m³/s) May 15. Period of record: Maximum discharge, 72,900 ft³/s (2,060 m³/s) Jan. 19, 1932 (gage height, 40.10 ft or 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. Maximum stage known, 41.2 ft (12.56 m) in 1882, caused by overflow from Mississippi River (discharge not determined), from reports of Mississippi River Commission.

REMARKS.--Flow partly regulated since Aug. 26, 1939, by Sardis Lake on Tallahatchie River (see sta 07272000), Enid Lake on Yocona River (see sta 07274500), Arkabutla Lake on Coldwater River (see sta 07278000), and Grenada Lake on Yalobusha River (see sta 07284500). Discharge computed by combining flows of Yazoo River and Fort Pemberton cutoff since Mar. 16, 1973.

COOPERATION.--Sixty-six discharge measurements and records of daily discharge furnished by Corps of Engineers. Records reviewed by Geological Survey.

NOTE.--Records for 1975 water year will be published in a subsequent report.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10600	11600	20800	22200	33800	27600	22100	14800	23200	20900	16600	16000
2	10900	11500	20700	22400	33900	27400	22000	14400	23400	20400	16400	16100
3	11100	11400	20500	24300	33900	27200	21700	14100	22600	19800	16100	15800
4	11400	11400	20800	24900	33500	27000	21400	13600	22100	19300	15900	15100
5	11800	11600	21100	24900	33100	26800	21000	13400	21800	18900	15700	14700
6	12000	11200	21300	24900	32600	26600	20700	13100	22000	18500	15500	14400
7	12300	11300	21300	24800	32200	26400	20200	12800	22600	18100	15400	14300
8	12500	11500	21300	24700	31800	26200	19900	12500	24000	17800	15700	14100
9	12900	12600	21300	24500	31400	25900	19400	12200	25200	17600	16000	12600
10	13000	13100	21200	24600	30900	25700	18900	11800	25600	17500	16200	11600
11	13000	13000	21200	25100	30400	25500	18400	11400	25500	17400	16200	11500
12	13000	12800	21100	25600	30000	25300	18600	11100	25300	17400	16100	12000
13	12900	12800	20900	26100	29700	25100	19400	10500	25100	17300	16200	12600
14	12800	12800	20500	26800	29500	24900	20200	10100	24900	17300	16500	13200
15	12700	12800	20300	27400	29400	24700	20000	9800	24800	17200	16700	13700
16	12800	12800	20000	27800	29200	24500	19400	13900	24900	17200	16900	14000
17	13000	12800	19700	28300	29200	24300	18700	14900	25000	17100	17100	14300
18	13000	12800	19500	28800	29100	24100	17900	16500	25000	17000	17000	14400
19	13000	12900	19300	29200	29100	23900	17100	17500	26000	17300	16800	14400
20	13000	13200	19200	29400	29000	24900	16900	18200	26300	17400	16700	14500
21	13000	14100	19200	29700	29000	25300	15500	18800	26400	17000	16500	14500
22	12900	14300	19100	30400	28400	25000	16800	19400	26200	16300	16200	14500
23	12800	14200	18900	31800	28300	24400	18000	20200	26000	15900	16000	14500
24	12800	14300	19900	33300	28200	23500	17900	21100	25800	16000	15700	14600
25	12800	14700	23400	34200	28100	22900	17400	21500	25400	16100	15500	14700
26	12300	15000	24300	34700	28000	22200	16900	22200	25000	16300	15200	14900
27	12200	17400	24800	35000	27900	21800	16500	23200	24400	16900	15600	15100
28	12100	19700	25200	35200	27800	21500	16000	23800	23500	17400	15400	15200
29	11900	20500	25200	35100	---	21900	15500	23500	22500	17300	15400	15300
30	11700	20800	24800	34800	---	22300	15100	23100	21700	17100	15800	15300
31	11600	---	24200	34100	---	22200	---	22900	---	16800	16300	---
TOTAL	383800	410900	661000	885000	847400	767000	559500	506300	732700	544500	499300	427900
MEAN	12380	13696	21322	28548	30264	24741	18650	16332	24423	17564	16106	14263
MAX	13000	20800	25200	35200	33900	27600	22100	23800	26400	20900	17100	16100
MIN	10600	11200	14900	22200	27800	21500	15100	9800	21700	15900	15200	11500

CAL YR 1973 TOTAL 7293800 MEAN 19983 MAX 43800 MIN 10300 (+) -117
WTR YR 1974 TOTAL 7225300 MEAN 19795 MAX 35200 MIN 9800 (+) -144

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

YAZOO RIVER BASIN

07288500 Big Sunflower River at Sunflower, Miss.

LOCATION.--Lat 33°32'50", long 90°32'35", in NE¼ sec.6, T.19 N., R.3 W., Choctaw meridian, Sunflower County, near right bank on downstream side of highway bridge, 0.5 mile (0.8 km) northwest of Sunflower, 2.5 miles (4.0 km) downstream from Jones Bayou, and 19 miles (31 km) upstream from Quiver River.

DRAINAGE AREA.--767 mi² (1,987 km²).

PERIOD OF RECORD.--October 1935 to September 1974 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.

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.

AVERAGE DISCHARGE.--39 years, 1,026 ft³/s (29.06 m³/s), 18.17 in/yr (462 mm/yr).

EXTREMES.--Water year 1974: Maximum daily discharge, 10,700 ft³/s (303 m³/s) Jan. 15; maximum gage height, 25.95 ft (7.910 m) Jan. 15; minimum daily discharge, 112 ft³/s (3.17 m³/s) Oct. 10-12; minimum gage height, 1.59 ft (0.485 m) Oct. 11.

Period of record: Maximum daily discharge, 15,000 ft³/s (425 m³/s) Mar. 18, 1973; maximum gage height, 28.37 ft (8.647 m) Mar. 18, 1973; 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.

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.--Fifty-one discharge measurements and records of daily discharge furnished by Corps of Engineers; records reviewed by Geological Survey.

REVISIONS.--WSP 1211: Drainage area. WRD Miss. 1970: 1969(m).

NOTE.--Records for 1975 water year will be published in a subsequent report.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	131	150	8310	4140	4530	2800	1160	627	5690	924	597	1820
2	123	155	7380	3410	3930	2130	1360	561	6700	817	552	2910
3	119	150	7400	3350	3650	1640	1100	562	7220	744	513	3430
4	114	170	5750	3940	3630	1240	842	579	7330	693	476	3800
5	113	670	5280	4050	2830	1010	663	563	7450	655	443	3600
6	117	1030	4760	3930	2280	848	516	696	7680	727	412	3200
7	119	980	4200	3820	1830	741	424	810	7610	698	394	2650
8	119	910	3610	3580	1410	665	386	880	7790	645	379	2170
9	114	1200	3030	3350	1130	609	347	617	7890	599	376	1660
10	112	1660	2510	4400	949	562	311	504	7530	658	371	1210
11	112	1800	2010	7350	822	529	386	488	6900	616	376	879
12	112	1600	1590	9340	737	519	1820	572	6370	562	372	672
13	114	1290	1220	10200	681	491	3670	655	6040	541	364	600
14	126	998	940	10400	643	463	4000	680	5670	536	349	974
15	134	928	730	10700	709	444	4040	613	5340	530	350	1340
16	170	512	610	10100	1040	430	3790	921	5870	534	342	1470
17	267	361	510	9020	1240	403	3320	2810	6420	511	485	1340
18	302	275	440	7850	1320	380	2650	4530	6950	545	698	1100
19	248	235	420	6830	2130	447	1980	5030	7610	824	684	866
20	206	229	910	5980	2970	1170	1400	5070	7690	756	594	670
21	180	571	1310	5270	3390	1500	1030	4820	7020	697	509	539
22	160	1080	1490	4620	4410	1560	1550	5040	6130	604	457	504
23	142	1460	1430	4140	5240	1060	2660	5790	5260	533	424	571
24	134	1560	1880	4380	5570	817	2950	6220	4460	509	380	617
25	130	1700	4270	5240	5490	639	2710	6370	3600	531	350	618
26	126	1840	5600	5700	5140	497	2340	6810	2860	578	325	615
27	150	4010	6290	5960	4430	403	1900	6910	2240	746	302	628
28	175	7760	6350	6080	3640	423	1360	6570	1720	803	289	589
29	150	9170	5830	6020	---	1380	1010	5980	1330	775	303	544
30	134	9530	5210	5700	---	1730	767	5300	1080	725	464	479
31	134	---	4610	5140	---	1490	---	4730	---	660	1130	---
TOTAL	4591	53984	105880	184070	75771	29020	52442	92308	173450	20276	14060	42065
MEAN	148	1799	3415	5937	2706	936	1748	2977	5781	654	453	1402
MAX	302	9530	8310	10700	5570	2800	4040	6910	7890	924	1130	3800
MIN	112	150	420	3350	643	380	311	488	1080	509	289	479
CFSM	.19	2.35	4.45	7.74	3.53	1.22	2.28	3.88	7.54	.85	.59	1.83
IN.	.22	2.62	5.14	8.53	3.67	1.41	2.54	4.48	8.41	.98	.68	2.04

CAL YR 1973 TOTAL 771393 MEAN 2113 MAX 15000 MIN 112 CFSM 2.76 IN 37.41
WTR YR 1974 TOTAL 847917 MEAN 2323 MAX 10700 MIN 112 CFSM 3.03 IN 41.12

07289000 Mississippi River at Vicksburg, Miss.

LOCATION.--Lat 32°18'45", long 90°54'25", in T.16 N., R.3 E., Washington meridian, Warren County, 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 miles (2.4 km) downstream from Yazoo diversion canal and at mile 430.4 (692.5 km).

DRAINAGE AREA.--1,144,500 mi² (2,964,300 km²).

PERIOD OF RECORD.--Discharge: January 1928 to September 1974. Prior to July 1931, monthly discharge only, published in WSP 1311.

Gage heights: April 1930 to September 1974 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 miles (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.

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 miles (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 miles (2.4 km) upstream from bridge gage; since Sept. 30, 1929, nonrecording gage at mouth of Yazoo diversion canal, 1.5 miles (2.4 km) upstream from bridge gage; since October 1929, nonrecording gage on 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 mile (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 miles (1.8 km) upstream.

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

AVERAGE DISCHARGE.--46 years, 569,000 ft³/s (16,110 m³/s), 412,240,000 acre-ft/yr (508 km³/yr).

EXTREMES.--Water year 1974: Maximum daily discharge, 1,526,000 ft³/s (43,200 m³/s) Feb. 9. Maximum gage height, 43.50 ft or 13.259 m Feb. 11, at bridge gage, 45.6 ft or 13.899 m at supplementary recorder; minimum daily discharge, 312,000 ft³/s (8,840 m³/s) Oct. 1; minimum gage height, 10.05 ft (3.063 m) Sept. 1 at supplementary recorder.

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).

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).

REMARKS.--Records excellent. Natural flow of stream affected by many reservoirs and navigation dams. Records of chemical analyses and water temperatures for the current year are published in the water-quality section of this report.

COOPERATION.--Supplementary gage-height record and records of daily discharge furnished by Corps of Engineers.

REVISIONS.--WSP 747: Drainage area.

NOTE.--Records for 1975 water year will be published in a subsequent report.

MISSISSIPPI RIVER MAIN STEM

07289000 Mississippi River at Vicksburg, Miss.--Continued
 GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974
 INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10.40	20.80	31.00	32.00	44.30	38.90	40.50	35.90	35.60	35.80	12.00	10.00
2	10.80	19.90	32.70	33.30	44.50	38.40	40.40	35.00	36.00	34.90	11.80	10.30
3	11.20	19.00	33.90	34.50	44.60	38.70	40.40	34.20	36.50	34.00	11.30	11.00
4	11.80	18.50	35.00	35.50	44.80	38.60	40.10	33.60	37.00	33.50	11.00	12.50
5	13.20	18.60	36.00	36.60	44.90	38.40	39.80	32.90	37.20	33.10	10.90	14.40
6	14.90	18.90	36.80	37.30	45.00	38.20	39.00	32.30	37.60	32.90	10.80	15.70
7	16.80	19.50	37.50	37.60	45.20	37.90	38.40	31.60	37.60	32.80	10.40	16.60
8	18.70	20.20	38.50	37.70	45.40	37.40	37.80	30.90	37.90	32.40	10.20	17.40
9	20.30	20.40	39.50	37.90	45.50	36.80	37.00	30.00	38.50	32.00	9.90	18.40
10	21.60	20.20	39.80	38.00	45.50	36.00	36.30	29.20	39.20	31.40	9.60	19.00
11	22.30	19.80	40.20	38.30	45.60	35.20	35.80	28.80	40.00	30.80	9.40	19.20
12	22.70	19.20	40.60	38.70	45.50	34.80	35.80	28.50	40.60	30.00	9.60	19.50
13	23.00	18.80	40.90	39.00	45.50	34.40	36.20	28.30	41.20	29.00	9.80	19.80
14	23.30	18.20	41.10	39.50	45.30	34.20	36.70	28.00	41.70	27.80	9.80	20.00
15	23.30	17.40	41.30	40.00	45.20	34.50	37.20	27.50	42.20	26.50	9.70	20.10
16	23.30	16.80	41.30	40.40	45.20	35.00	37.50	26.90	42.50	25.00	10.20	19.70
17	23.40	16.30	40.90	40.70	44.90	35.70	37.70	26.60	42.70	---	11.20	19.10
18	23.00	15.70	40.20	40.80	44.60	36.40	37.80	26.40	43.00	22.50	12.00	18.40
19	22.60	15.20	39.30	41.00	44.20	37.00	37.80	26.30	43.10	20.80	13.00	17.90
20	22.60	14.70	38.30	41.20	43.60	37.60	37.90	26.50	43.20	19.50	13.80	17.60
21	22.90	14.20	37.00	41.40	42.80	38.30	37.90	27.00	43.20	18.40	14.10	17.30
22	23.30	13.80	35.50	41.60	42.10	38.60	38.00	27.90	43.00	17.10	13.80	17.00
23	23.60	14.20	34.20	41.80	41.20	39.00	38.20	29.00	42.80	16.30	13.30	17.00
24	23.80	14.80	33.00	42.10	40.40	39.30	38.30	30.10	42.40	15.80	12.80	16.90
25	23.90	15.50	32.50	42.50	39.80	39.70	38.30	31.00	41.80	15.30	12.50	16.60
26	24.00	16.30	31.60	42.80	39.30	40.00	38.30	31.90	41.00	14.90	12.10	16.00
27	23.90	18.40	30.90	43.00	39.10	40.20	38.10	32.60	40.20	14.50	11.60	15.00
28	23.60	22.00	30.40	43.30	39.00	40.50	37.70	33.40	39.20	14.00	11.10	13.80
29	23.30	25.00	30.40	43.60	---	40.70	37.20	34.00	38.20	13.70	10.90	13.00
30	22.60	28.50	30.50	43.80	---	40.70	36.60	34.60	37.00	13.30	10.60	12.50
31	21.90	---	31.20	44.00	---	40.60	---	35.10	---	12.60	10.20	---

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	312000	540000	936000	973000	1452000	1108000	1212000	981000	987000	1005000	375000	337000
2	328000	523000	981000	1025000	1463000	1105000	1198000	949000	1001000	981000	368000	346000
3	344000	511000	1020000	1048000	1472000	1102000	1174000	913000	1021000	960000	361000	367000
4	361000	499000	1051000	1070000	1481000	1099000	1145000	894000	1034000	937000	355000	400000
5	383000	501000	1081000	1089000	1491000	1091000	1101000	868000	1049000	922000	351000	438000
6	429000	514000	1111000	1102000	1500000	1080000	1081000	842000	1060000	918000	345000	480000
7	490000	541000	1137000	1112000	1511000	1067000	1059000	822000	1068000	915000	341000	495000
8	528000	571000	1172000	1119000	1522000	1044000	1038000	803000	1081000	909000	338000	513000
9	555000	588000	1207000	1126000	1526000	1021000	1027000	781000	1108000	899000	335000	532000
10	562000	585000	1233000	1135000	1521000	998000	1018000	766000	1154000	878000	333000	542000
11	572000	553000	1255000	1151000	1506000	974000	1008000	760000	1176000	850000	332000	553000
12	581000	517000	1271000	1171000	1499000	956000	1002000	757000	1204000	817000	330000	561000
13	590000	500000	1284000	1191000	1485000	947000	1003000	753000	1234000	788000	331000	569000
14	600000	489000	1295000	1214000	1475000	949000	1007000	747000	1263000	750000	334000	572000
15	609000	473000	1300000	1231000	1459000	964000	1015000	737000	1280000	717000	339000	569000
16	610000	459000	1289000	1245000	1447000	988000	1031000	722000	1301000	689000	353000	562000
17	610000	445000	1257000	1265000	1426000	1017000	1045000	711000	1317000	650000	374000	550000
18	609000	433000	1220000	1270000	1402000	1041000	1053000	707000	1329000	614000	395000	532000
19	605000	422000	1170000	1281000	1377000	1064000	1061000	708000	1338000	573000	415000	508000
20	603000	415000	1108000	1292000	1335000	1090000	1066000	722000	1341000	541000	429000	501000
21	604000	408000	1095000	1302000	1253000	1115000	1073000	741000	1339000	512000	432000	495000
22	608000	401000	957000	1313000	1193000	1147000	1081000	768000	1323000	487000	424000	493000
23	611000	408000	915000	1327000	1174000	1173000	1089000	793000	1304000	474000	412000	493000
24	619000	428000	888000	1341000	1158000	1195000	1093000	829000	1276000	461000	401000	492000
25	623000	439000	847000	1355000	1142000	1213000	1096000	858000	1249000	449000	388000	481000
26	630000	450000	813000	1371000	1131000	1219000	1093000	882000	1210000	437000	379000	465000
27	629000	570000	800000	1382000	1121000	1223000	1082000	909000	1165000	428000	370000	441000
28	609000	719000	797000	1397000	1115000	1228000	1059000	939000	1118000	417000	361000	427000
29	583000	813000	777000	1412000	---	1229000	1032000	949000	1091000	405000	352000	405000
30	568000	883000	810000	1429000	---	1225000	1011000	959000	1048000	395000	346000	385000
31	554000	---	980000	1442000	---	1220000	---	971000	---	385000	340000	---
TOTAL	16919000	15601000	32860000	38173000	38637000	33892000	32053000	25540000	35469000	21163000	11339000	14504000
MEAN	545774	500033	1060000	1231387	1379892	1093240	1088433	823870	1182300	682677	365774	483466
MAX	630000	883000	1300000	1442000	1526000	1229000	1212000	981000	1341000	1005000	432000	572000
MIN	312000	401000	777000	973000	1115000	947000	1002000	707000	987000	385000	330000	237000
AC-FT	33560000	30940000	65180000	75720000	76640000	67220000	63580000	50660000	70350000	41980000	22490000	28770000
CAL YR 1973	TOTAL	358005000	MEAN	580935	MAX	1960000	MIN	291000	AC-FT	710100000		
WTR YR 1974	TOTAL	316150000	MEAN	866164	MAX	1526000			AC-FT	627100000		

07289350 Big Black River at West, Miss.

LOCATION.--Lat 33°11'39", long 89°46'15", in NW¼ sec.3, T.15 N., R.5 E., Choctaw meridian, Attala County, on downstream side of bridge on State Highway 19, 0.2 mile (0.3 km) east of West, 5.2 miles (8.4 km) upstream from Jordan Creek, and 7.1 miles (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.

EXTREMES.--Current year: Maximum discharge, 24,300 ft³/s (688 m³/s) Mar. 15 (gage height, 22.12 ft or 6.742 m); minimum, 92 ft³/s (2.61 m³/s) Oct. 26, 27, 28, 29; minimum gage height, 2.20 ft (0.671 m) Oct. 27, 28, 29. Period of record: Maximum discharge, 57,700 ft³/s (1,630 m³/s) Mar. 16, 1973 (gage height, 25.11 ft or 7.654 m); minimum discharge, 40 ft³/s (1.13 m³/s) Sept. 16, 1972 (gage height, 1.12 ft or 0.341 m). Flood of March 30, 1951, reached a stage of 24.09 ft or 7.343 m (47,000 ft³/s or 1,330 m³/s). Minimum gage height observed, 0.38 ft (0.116 m) Sept. 22, 23, 1956 (from reports of Corps of Engineers, Vicksburg district).

REMARKS.--Records good.

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	215	110	186	5680	1240	1120	4300	1980	1060	160	1530	410
2	148	102	248	8480	2570	1020	4860	1820	788	152	2650	289
3	112	98	244	7440	5180	837	3760	1840	478	146	2930	169
4	105	97	190	6980	8600	686	2870	2900	340	140	2730	130
5	102	116	159	5500	10100	596	1620	3100	281	135	2750	116
6	100	158	156	3920	9110	549	895	2860	253	130	3300	246
7	100	152	2110	3360	7820	523	704	3200	641	125	3220	462
8	99	128	4400	2940	6500	517	624	3250	917	367	2490	708
9	98	114	4320	2250	4820	509	1020	3090	947	627	1120	443
10	97	107	3380	1970	3400	823	2060	3050	1430	479	520	252
11	96	105	3230	3160	2410	1240	2120	3800	1930	375	599	269
12	95	116	3060	3860	1460	1200	1910	4180	2350	311	564	281
13	95	119	2240	4200	1250	4760	2020	3770	2110	228	432	262
14	94	114	1000	5840	1300	16500	2900	3230	1520	170	311	233
15	94	108	608	6360	1310	22000	5740	2610	899	133	282	184
16	152	107	920	4620	3230	20600	5000	2600	616	119	341	141
17	138	183	822	3370	8600	12100	5980	3490	512	112	440	139
18	125	832	549	2610	10800	8210	5600	3570	401	106	899	263
19	106	517	318	1500	11600	6940	4000	2850	313	101	940	684
20	100	549	271	1550	10200	5260	3030	2360	289	112	671	585
21	95	883	246	1800	8120	4180	1900	1510	257	149	418	311
22	94	763	224	1850	6500	4260	1030	738	216	153	287	207
23	93	340	214	1970	4660	3630	714	494	194	178	224	164
24	93	203	1500	1770	3510	3940	584	403	178	145	188	145
25	93	224	3160	1430	2770	5800	521	349	163	140	181	140
26	92	271	5900	1510	2080	5000	487	310	152	334	163	143
27	92	262	7420	1600	1670	6280	464	412	162	494	148	140
28	92	206	10100	1780	1270	5940	431	369	158	531	145	129
29	105	166	9650	1530	---	4620	432	366	154	494	136	117
30	247	152	10600	1020	---	5600	1070	1100	168	269	292	110
31	133	---	10900	774	---	4540	---	1310	---	181	251	---
TOTAL	3500	7402	88325	107624	142080	159820	68646	66911	19877	7296	31152	8072
MEAN	112	246	2849	3471	5074	5155	2288	2158	662	235	1004	269
MAX	247	883	10900	9680	11600	22000	5980	4180	2350	627	3300	708
MIN	92	97	156	774	1240	509	431	310	152	101	136	110
CFSM	.11	.25	2.89	3.52	5.15	5.23	2.32	2.19	.67	.24	1.02	.27
IN.	.13	.28	3.34	4.06	5.37	6.04	2.59	2.53	.75	.28	1.18	.30
CAL YR 1974 TOTAL	710009	MEAN	1945	MAX	12600	MIN	72	CFSM	1.97	IN	26.81	
WTR YR 1975 TOTAL	710705	MEAN	1947	MAX	22000	MIN	92	CFSM	1.98	IN	26.84	

PEAK DISCHARGE (BASE, 10,000 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12-31	0430	20.06	11,200	02-19	0500	20.19	11,800
02-05	0830	19.78	10,300	03-15	2200	22.12	24,300

BIG BLACK RIVER BASIN

07290000 Big Black River near Bovina, Miss.

LOCATION.--Lat 32°20'51", long 90°41'48", in NW¼SE¼ sec.22, T.16 N., R.5 E., Washington meridian, Hinds County, on left bank at downstream side of bridge on U.S. Highway 80 (old), 300 ft (90 m) upstream from Clear Creek, 0.4 mile (0.6 km) upstream from Illinois Central Railroad bridge, 2 miles (3 km) east of Bovina, 12 miles (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).

PERIOD OF RECORD.--February 1936 to current year. Prior to October 1938 monthly discharge only, published in WSP 1311.

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.

AVERAGE DISCHARGE.--39 years, 3,534 ft³/s (100.08 m³/s); 17.08 in/yr (434 mm/yr).

EXTREMES.--Current year: Maximum discharge, 30,600 ft³/s (867 m³/s) Mar. 21 (gage height, 38.32 ft or 11.680 m); minimum, 237 ft³/s (6.71 m³/s) Oct. 14 (gage height, 7.14 ft or 2.176 m).

Period of record: Maximum discharge, 63,500 ft³/s (1,800 m³/s) Dec. 20, 1961 (gage height, 40.53 ft or 12.354 m); minimum, 65 ft³/s (1.84 m³/s) Oct. 2, 1954 (gage height, 5.98 ft or 1.823 m).

From information by local residents, floods at Askews Bridge, 6 miles (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, at Askews Bridge.

REMARKS.--Records good. Records of chemical analyses for the current year are published in the water-quality section of this report.

REVISIONS (WATER YEARS).--WRD Miss. 1968: 1966-67.

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	579	253	702	12600	2590	13600	8590	4970	5360	961	5620	1010
2	462	256	648	12600	2410	12700	7820	6050	5370	675	8560	776
3	606	281	633	12300	2680	11600	7150	6720	5160	606	7850	720
4	579	375	630	11900	4960	10200	6740	8690	4080	543	7600	748
5	471	406	506	11400	6980	6830	6540	9390	2430	576	7740	755
6	403	416	735	11300	7180	3560	6440	10200	2220	561	7890	835
7	342	380	5430	11600	7150	2210	6310	11200	2830	576	8120	706
8	312	350	4440	12100	7130	1800	6100	12500	3920	567	8440	716
9	296	362	6280	12500	7190	1590	6030	14200	3230	645	8720	814
10	274	370	5450	12500	7370	1610	6770	16700	4640	1420	8830	892
11	267	389	5250	13400	7590	1700	6530	17000	6800	2870	8650	1010
12	256	390	4400	13200	7850	1700	6150	16200	7640	1640	7850	1030
13	246	360	4380	12700	8220	11500	5870	14700	7230	1300	5470	1040
14	237	332	3970	12300	8670	14000	6210	13000	6860	1090	2460	874
15	450	315	3260	11800	9220	14500	7010	11400	6580	910	1590	730
16	216	320	4010	11100	13800	17000	7180	10900	6180	793	1410	671
17	774	395	3370	10400	15000	23300	7040	10800	5470	699	2070	647
18	540	1020	2400	9620	15400	28400	6660	10800	4250	624	1760	617
19	382	741	1880	8630	16400	28600	6310	11200	2650	568	1440	581
20	250	2200	1620	7420	17800	29300	6060	11800	1780	535	1270	555
21	260	5420	1410	6550	19500	30000	5810	12700	1770	529	1360	539
22	260	4550	1190	6090	19500	28100	5510	13100	2170	581	1750	558
23	327	3410	1700	5770	18100	25300	5270	12600	2100	604	1570	734
24	300	2250	5560	5120	16700	22900	5170	11500	1440	627	1280	804
25	281	1590	10600	5000	15800	19400	5000	9910	1030	853	1080	702
26	272	1280	10600	5520	15300	16700	3730	6420	828	1270	982	604
27	263	975	11000	5600	14900	14400	2010	2840	741	1020	928	542
28	253	410	11600	5580	14400	12000	1420	1480	684	902	899	510
29	263	768	12200	5180	---	11300	1350	1580	693	1050	797	485
30	276	744	12300	4050	---	10300	2180	3330	819	899	825	463
31	265	---	12400	3040	---	9390	---	4980	---	924	1020	---
TOTAL	11071	32721	152624	284410	309990	435730	170960	308860	106955	27418	125831	21668
MEAN	382	1090	4115	9335	11071	14057	5698	9963	3565	884	4059	722
MAX	416	5420	12400	13400	19500	30000	8590	17000	7640	2870	8830	1040
MIN	237	253	606	3040	2410	1540	1350	1480	684	529	797	463
CFSM	.14	.39	1.02	3.32	3.94	5.00	2.03	3.55	1.27	.31	1.44	.26
IN.	.16	.43	2.10	1.23	4.10	5.77	2.26	4.09	1.42	.36	1.67	.29

CAL YR 1974 TOTAL 2152511 MEAN 5858 MAX 31400 MIN 237 CFSM 2.10 IN 28.50
 YR 1975 TOTAL 2000194 MEAN 5474 MAX 30100 MIN 237 CFSM 1.95 IN 26.43

BAYOU PIERRE BASIN

159

07290500 Bayou Pierre near Carpenter, Miss.

LOCATION.--Lat 32°00'10", long 90°41'24", in NE¼ sec.22, T.12 N., R.5 E., Washington meridian, Copiah County, at downstream side of bridge on State Highway 18, 1.5 miles (2.4 km) upstream from White Oak Creek, 2 miles (3.2 km) south of Carpenter and 8 miles (12.9 km) southwest of Utica.

DRAINAGE AREA.--371 mi² (961 km²).

PERIOD OF RECORD.--October 1944 to September 1951; water years 1952-70 (annual maximum). Monthly discharge only for October 1944, published in WSP 1311. July 1974 to June 1975 (discontinued).

GAGE.--Nonrecording gage and crest-stage gage. Datum of gage is 129.67 ft (39.523 m) above mean sea level (Mississippi Highway Department reference mark).

AVERAGE DISCHARGE.--7 years (1944-51), 573 ft³/s (16.23 m³/s), 20.97 in/yr (533 mm/yr).

EXTREMES.--July 1974 to June 1975: Maximum discharge, 31,500 ft³/s (892 m³/s) Dec. 24 (gage height, 25.96 ft or 7.913 m); minimum daily, 43 ft³/s (1.22 m³/s) Aug. 25.

1944-70, July 1974 to June 1975: Maximum discharge, 31,500 ft³/s (892 m³/s) Dec. 24, 1974 (gage height, 25.96 ft or 7.913 m).

1944-51, July 1974 to June 1975: Minimum discharge, 25 ft³/s (0.71 m³/s) Sept. 18, 1947.

Flood of June 1928, reached a stage of 31 ft (9.4 m), and is the highest known stage since at least 1890. Flood of 1900 was almost as high as the 1928 flood, based on hearsay. Flood of April 1974 reached a stage of 28.04 ft or 8.547 m (discharge about 37,000 ft³/s or 1,050 m³/s).

REMARKS.--Records good below 4,000 ft³/s (113 m³/s) and fair above.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1									72	58	62	990
2									87	58	64	1310
3									638	56	60	316
4									202	56	58	163
5									163	56	52	113
6									118	590	48	90
7									99	323	66	81
8									92	142	70	90
9									87	193	58	184
10									83	118	48	229
11									76	83	45	267
12									72	70	47	148
13									72	66	76	113
14									70	76	52	784
15									68	116	47	316
16									68	76	60	175
17									66	66	58	113
18									62	60	310	94
19									60	54	681	85
20									56	54	140	76
21									56	52	76	72
22									60	48	56	68
23									85	48	48	62
24									151	72	45	58
25									94	106	43	760
26									72	129	52	2030
27									68	134	48	456
28									62	96	1430	199
29									60	74	851	142
30									58	66	395	111
31									---	62	1030	---
TOTAL									3077	3258	6176	9695
MEAN									102	105	199	323
MAX									638	590	1430	2030
MIN									56	48	43	58

BAYOU PIERRE BASIN

07290500 Bayou Pierre near Carpenter, Miss.--Continued

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	94	166	535	333	333	374	395	10400	220			
2	81	108	273	306	319	357	585	3720	187			
3	76	90	175	256	299	350	739	4070	169			
4	72	81	142	564	440	1340	855	10000	157			
5	68	94	132	374	460	1940	509	4070	396			
6	64	81	8720	293	370	910	381	9590	378			
7	62	76	12400	261	309	579	333	15000	3880			
8	60	72	5100	2410	273	432	360	26700	12300			
9	58	70	2240	1760	254	374	707	7290	3850			
10	56	70	762	1420	261	360	707	2720	2440			
11	56	101	684	4260	257	340	601	1060	1920			
12	56	111	647	4070	316	333	566	697	1320			
13	56	104	468	1840	319	748	514	522	762			
14	56	90	384	860	289	1430	1000	440	406			
15	762	79	750	610	373	1040	1680	800	406			
16	592	79	688	522	13800	579	1080	1670	890			
17	235	413	444	468	6640	505	531	1120	553			
18	123	484	343	440	3340	3710	417	601	343			
19	94	261	323	417	1550	2330	347	410	267			
20	83	696	347	417	1050	1720	296	333	248			
21	72	711	316	392	670	762	270	302	199			
22	68	336	270	357	548	535	251	267	175			
23	64	187	3370	343	592	497	257	245	178			
24	62	151	22100	323	633	2940	267	241	178			
25	62	175	5400	988	505	2070	245	232	157			
26	62	179	2500	1640	436	697	232	211	137			
27	62	163	1350	948	398	531	220	199	121			
28	62	142	850	509	384	429	211	181	113			
29	181	123	634	429	---	1840	2610	241	148			
30	316	264	505	384	---	1160	10100	440	151			
31	413	---	406	347	---	493	---	277	---			
TOTAL	4228	5756	73266	24601	35418	31705	27266	104049	32649			
MEAN	136	191	2363	922	1264	1022	908	3356	1088			
MAX	762	711	22100	4260	13800	3710	10100	26700	12300			
MIN	56	70	132	261	254	333	211	181	113			
CFSM	.37	.52	6.37	2.49	3.41	2.76	2.45	9.05	2.93			
T.M.	.42	.58	7.35	2.87	3.55	3.18	2.73	10.43	3.27			

BAYOU PIERRE BASIN

161

07290650 Bayou Pierre near Willows, Miss.

LOCATION.--Lat 32°00'55", long 90°53'00", in lot 16, T.12 N., R.3 E., Washington meridian, Claiborne County, near right bank at downstream side of bridge on county highway, 1.4 miles (2.3 km) upstream from South Fork Bayou Pierre, and 1.7 miles (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 (25.097 m) above mean sea level. Sept. 9, 1958, to May 31, 1961, crest-stage gage at same site and datum.

AVERAGE DISCHARGE.--14 years, 819 ft³/s (23.19 m³/s), 17.03 in/yr (433 mm/yr).

EXTREMES.--Current year: Maximum discharge, 29,300 ft³/s (830 m³/s) Dec. 24 (gage height, 25.30 ft or 7.711 m); minimum, 67 ft³/s (1.90 m³/s) Oct. 14 (gage height, 3.52 ft or 1.073 m).
Period of record: Maximum discharge, 51,000 ft³/s (1,440 m³/s) Apr. 13, 1974 (gage height, 27.33 ft or 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.

REMARKS.--Records good.

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	167	294	611	717	371	377	434	17700	280	214	6540	110
2	128	145	458	592	344	343	386	5290	171	203	2070	105
3	104	113	246	370	392	294	1670	5100	150	205	1860	100
4	93	105	191	1050	1090	1660	1160	16100	130	168	1430	98
5	87	130	172	690	1150	2080	608	10000	226	155	723	150
6	84	108	5020	500	638	1350	352	6000	547	145	1380	350
7	81	93	19400	340	391	690	279	22000	1130	137	1200	250
8	77	88	7090	4570	299	511	256	10000	12400	145	365	170
9	74	89	3210	3030	262	404	694	5000	5710	146	249	200
10	72	89	1260	4850	236	357	1170	2000	6250	173	208	150
11	71	120	1020	7760	256	379	660	1000	5680	232	339	140
12	70	134	1460	5490	1410	331	654	800	2510	168	283	200
13	68	131	843	3420	624	5330	358	700	1210	148	195	150
14	67	127	575	1520	359	3910	751	641	743	130	170	120
15	885	105	844	1010	703	1740	2690	1160	1020	120	150	110
16	1140	96	1110	758	19400	836	1540	2180	1840	114	193	120
17	458	1020	709	669	15400	611	705	2200	1050	110	243	150
18	196	1170	467	554	6050	5560	516	933	576	125	173	200
19	133	421	404	556	4050	3590	440	556	500	159	175	130
20	107	484	435	606	1570	2490	377	428	450	169	183	110
21	94	907	410	557	1080	1100	326	350	694	146	136	100
22	84	664	345	452	858	708	290	300	512	1700	125	98
23	78	271	2540	380	850	577	280	270	400	926	137	246
24	76	193	23100	479	938	3530	315	250	300	301	130	196
25	74	222	13000	4900	709	2240	283	230	205	239	210	133
26	74	289	3970	2420	511	1500	249	200	216	675	218	108
27	73	236	3180	1680	432	657	240	180	191	264	158	96
28	72	181	1940	757	390	502	223	170	208	297	120	91
29	74	156	1680	571	---	409	2300	160	215	350	125	87
30	329	220	1140	485	---	1140	10600	452	212	183	130	84
31	377	---	876	423	---	676	---	385	---	212	120	---
TOTAL	5567	8401	97706	52276	60733	45952	30806	112735	45726	8459	19738	4352
MEAN	179	280	3151	1666	2169	1482	1026	3636	1524	272	636	145
MAX	1140	1170	23100	7760	19400	5550	10600	22000	12400	1700	6540	350
MIN	67	88	172	340	236	294	223	150	130	110	120	84
CFSM	2.8	4.3	4.83	2.58	3.32	2.27	1.57	5.57	2.33	.42	.98	.22
IN.	.32	.48	5.57	2.58	3.46	2.62	1.75	6.42	2.60	.48	1.12	.25
CAL YR 1974 TOTAL	514636			MEAN 1409	MAX 39800	MIN 59	CFSM 2.16	IN 29.32				
WTR YR 1975 TOTAL	492451			MEAN 1349	MAX 23100	MIN 67	CFSM 2.07	IN 28.05				

PEAK DISCHARGE (BASE, 15,000 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12-07	1415	23.38	21,600	05-04	1330	21.79	18,400
12-24	2115	25.30	29,300	05-07	Unknown†	24.87	26,800
02-17	0015	24.30	24,400	06-08	1230	20.22	15,700
05-01	0900	22.75	20,100				

†From floodmark.

HOMOCHITTO RIVER BASIN

07291000 Homochitto River at Eddiceton, Miss.

LOCATION.--Lat 31°30'10", long 90°46'35", in SE¼NE¼ sec.11, T.6 N., R.4 E., Washington meridian, Franklin County, 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 mile (0.6 km) upstream from McCall Creek, and 0.8 mile (1.3 km) east of Eddiceton.

DRAINAGE AREA.--180 mi² (470 km²), approximately.

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

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.

AVERAGE DISCHARGE.--37 years, 256 ft³/s (7.250 m³/s), 19.31 in/yr (490 mm/yr).

EXTREMES.--Current year: Maximum discharge, 19,400 ft³/s (549 m³/s) June 8 (gage height, 13.2 ft or 4.02 m, from floodmark); minimum daily, 45 ft³/s (1.27 m³/s) Oct. 7.
Period of record: Maximum discharge, 55,400 ft³/s (1,570 m³/s) Apr. 13, 1974 (gage height, 19.53 ft or 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.

REMARKS.--Records fair except those for period of no gage-height record, which are poor.

REVISIONS (WATER YEARS).--WSP 1281: 1939-40, 1942-44, 1949-50.

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	50	100	90	197	259	146	165	2710	250	115	4280	84
2	48	90	120	175	252	140	555	605	150	104	767	78
3	47	80	100	175	242	134	550	872	100	99	368	74
4	46	76	94	249	256	1120	233	3960	90	96	467	72
5	46	100	90	178	256	434	180	1060	80	93	438	110
6	46	80	3090	160	233	230	165	5470	100	90	767	504
7	45	78	4510	575	212	183	154	8840	500	86	263	180
8	50	76	575	1720	203	158	259	6440	7000	85	178	160
9	60	74	438	531	197	146	463	1270	1000	83	150	115
10	70	72	357	3750	188	148	403	657	350	82	148	107
11	60	74	343	1660	188	142	427	455	2500	88	134	128
12	54	100	371	860	212	140	233	357	1000	78	168	98
13	52	40	298	723	197	445	175	294	350	75	138	86
14	50	70	254	487	180	495	902	259	250	72	126	80
15	250	80	280	417	197	224	827	239	600	72	126	76
16	150	100	294	378	7780	180	399	284	150	71	249	74
17	70	450	223	357	1050	191	308	375	100	69	291	252
18	64	100	203	336	531	3010	270	194	100	83	148	130
19	62	150	200	354	406	575	233	152	130	144	115	101
20	60	600	203	420	301	368	209	136	100	134	110	91
21	60	300	185	315	245	294	194	124	90	93	106	86
22	58	150	165	273	218	259	200	114	100	1660	99	319
23	56	110	1550	245	239	249	106	90	90	396	109	329
24	68	100	4760	884	218	2700	194	101	80	134	156	136
25	70	94	844	1830	175	445	175	94	76	107	144	107
26	60	92	479	522	160	294	163	88	118	106	110	98
27	60	92	504	385	154	242	154	83	180	90	93	93
28	70	90	361	336	150	215	148	83	132	83	109	90
29	100	84	294	312	---	293	146	107	128	93	117	86
30	321	84	245	291	---	215	2500	100	114	93	106	85
31	130	---	218	277	---	180	---	350	---	93	90	---
TOTAL	2433	3824	21557	19380	14899	13835	11233	35979	16008	4767	10670	4029
MEAN	78.4	127	685	625	532	448	374	1160	533	153	344	134
MAX	321	600	4510	3750	7780	3010	2500	8840	7000	1660	4280	504
MIN	45	70	80	160	150	134	146	83	76	69	90	72
CFSM	.44	.71	3.86	3.47	2.96	2.49	2.08	6.45	2.96	.85	1.91	.75
IN.	.50	.79	4.46	4.01	3.08	2.37	2.32	7.44	3.31	.99	2.21	.83

CAL YR 1974 TOTAL 146585 MEAN 402 MAX 34600 MIN 44 CFSM 2.24 IN 30.38
WTR YR 1975 TOTAL 153678 MEAN 434 MAX 8840 MIN 45 CFSM 2.42 IN 32.79

PEAK DISCHARGE (BASE, 9,000 CFS)

NOTE.--No gage-height record Oct. 1-29;
Nov. 1 to Dec. 5; May 31 to June 25.

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12-07	0215	9.72	11,100	05-07	1930	11.89	16,100
12-24	0045	9.85	11,400	06-08	Unknown†	13.2	19,400
01-10	1645	8.74	9,150	08-01	1000	8.94	9,530
02-16	0730	11.53	15,300				

†From floodmark.

HOMOCHITTO RIVER BASIN

163

07292500 Homochitto River at Rosetta, Miss.

LOCATION.--Lat 31°19'20", long 91°06'20", in sec.12, T.4 N., R.1 E., Washington meridian, Wilkinson County, on downstream side of bridge on State Highway 33 at Rosetta, 800 ft (240 m) downstream from Illinois Central Railroad bridge, 1 mile (1.6 km) downstream from Foster Creek, and 5 miles (8 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 in reports of Geological Survey. February 1949 to September 1951 (gage heights and discharge measurements only) in reports of Corps of Engineers, Vicksburg district.

GAGE.--Water-stage recorder and nonrecording gage read twice daily. Datum of gage is 94.39 ft (28.770 m) above mean sea level. June 16 to Nov. 12, 1906, nonrecording gage at railroad bridge 800 ft (240 m) upstream at different datum.

AVERAGE DISCHARGE.--24 years, 1,056 ft³/s (29.91 m³/s), 19.12 in/yr (486 mm/yr).

EXTREMES.--Current year: Maximum discharge, 95,200 ft³/s (2,700 m³/s) June 8 (gage height, 25.64 ft or 7.815 m) from rating curve drawn through measurements made in previous years; minimum daily, 483 ft³/s (13.7 m³/s) Oct. 4, 7.

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.

Maximum stage since February 1949, 37.80 ft (11.521 m) Mar. 31, 1949, from reports of Corps of Engineers, Vicksburg district.

REMARKS.--Records fair except those above 1,000 ft³/s (28.3 m³/s), which are poor. Records of chemical analyses for the current year are published in the water-quality section of this report.

REVISIONS (WATER YEARS).--WSP 1731: 1955 (M). WSP 1920: 1955.

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	520	663	595	810	1100	929	850	4480	793	1200	9420	720
2	513	602	577	760	995	929	4510	3420	724	977	4760	680
3	490	556	597	710	983	911	5390	3700	681	935	2220	670
4	483	556	589	740	900	4010	2200	11100	645	989	1580	660
5	490	560	599	850	1140	2940	1160	12500	606	911	2530	660
6	490	548	2100	700	1040	1410	1160	23300	645	872	2530	1830
7	483	544	14200	1000	900	1090	1120	20300	1420	1120	1520	1300
8	494	548	3120	9840	890	935	1420	19000	44400	1010	1410	1100
9	509	560	1750	3050	870	748	2580	10700	7500	748	3260	1000
10	513	560	1400	3050	860	861	1780	3000	4550	748	1220	1630
11	498	552	1220	5180	860	748	2020	2050	6150	729	839	1250
12	498	548	1100	3560	900	748	1310	1650	2510	729	1090	1180
13	501	548	1030	2940	995	850	1060	1450	2580	710	894	1000
14	509	548	994	2170	840	5400	1830	1300	2340	700	953	894
15	548	568	1360	1770	1020	1900	3300	1200	5730	700	894	768
16	700	576	1070	1480	15800	1160	1820	1220	1820	700	894	2310
17	659	585	793	1400	5820	1090	1230	1590	965	700	891	6220
18	623	614	763	1340	3060	9130	1020	1590	719	700	691	1520
19	614	3000	753	1280	2280	3070	965	1170	1020	1380	691	1010
20	572	3930	753	1280	1590	2490	905	900	819	1440	894	940
21	556	1970	748	1260	1450	1800	850	356	729	1020	1470	788
22	548	893	677	1250	1360	1420	793	819	736	1940	1200	866
23	548	672	850	1160	1360	1150	850	798	724	1050	900	1470
24	560	636	929	1610	1300	4320	850	768	729	977	820	819
25	556	610	7400	5540	1200	2830	768	724	753	911	1000	645
26	540	623	2750	2110	1080	1940	748	680	823	935	960	610
27	544	614	2170	2450	1030	1230	748	768	1290	1260	860	580
28	544	610	1500	1400	959	1090	700	768	1120	977	750	560
29	572	610	1100	1250	---	1020	748	953	1090	872	800	528
30	1070	589	450	1170	---	1050	2020	834	911	850	850	528
31	753	---	870	1160	---	905	---	798	---	911	800	---
TOTAL	17498	24284	55547	65270	52702	50434	46710	134346	95532	29711	49591	34636
MEAN	564	832	1793	2137	1892	1949	1557	4345	3184	958	1599	1154
MAX	1070	3930	14200	4050	15800	9130	5390	23300	44400	1940	9420	6220
MTN	483	544	585	700	840	748	700	640	606	700	691	528
CFSM	.75	1.11	2.39	2.85	2.91	2.80	2.08	5.78	4.25	1.28	2.13	1.54
IN.	.87	1.24	2.76	3.29	2.61	3.00	2.32	6.67	4.74	1.47	2.46	1.72

CAL YR 1974 TOTAL 600146 MEAN 1644 MAX 112000 MTN 309 CFSM 2.19 IN 29.77
WTR YR 1975 TOTAL 658045 MEAN 1830 MAX 44400 MTN 493 CFSM 2.44 IN 33.14

BUFFALO RIVER BASIN

07295000 Buffalo River near Woodville, Miss.

LOCATION.--Lat 31°13'35", long 91°17'45"; in SW¼ sec.21, T.3 N., R.2 W., Washington meridian, Wilkinson County, near center of span on downstream side of bridge on U.S. Highway 61, 1.5 miles (2.4 km) downstream from Fords Creek, 2.8 miles (4.5 km) west of Wilkinson, and 8.5 miles (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.

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.

AVERAGE DISCHARGE.--33 years, 268 ft³/s (7.590 m³/s), 20.00 in/yr (508 mm/yr).

EXTREMES.--Current year: Maximum discharge, 39,800 ft³/s (1,130 m³/s) June 8 (gage height, 19.12 ft or 5.828 m); minimum daily, 43 ft³/s (1.22 m³/s) Oct. 21-24, 28, Nov. 7.
Period of record: Maximum discharge, 65,000 ft³/s (1,840 m³/s) Mar. 25, 1973 (gage height, 22.3 ft or 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.

REMARKS.--Records poor.

REVISIONS (WATER YEARS).--WSP 1281: 1943, 1946 (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	70	46	116	104	126	151	122	3270	120	302	2290	78
2	70	44	91	57	126	142	1970	710	106	343	700	67
3	69	44	86	55	124	128	1050	1430	100	236	454	66
4	67	44	81	118	126	2400	366	4110	95	146	1610	66
5	66	45	80	93	126	687	272	830	90	122	878	333
6	66	44	2910	80	124	343	227	775	91	110	494	546
7	64	43	3680	1860	106	257	196	637	356	102	336	1600
8	62	45	562	3080	102	199	730	3540	11500	151	353	825
9	57	48	356	715	102	165	740	856	2100	139	275	1050
10	54	46	263	5850	98	156	305	730	1340	118	336	1450
11	51	72	346	1480	98	142	275	411	1230	100	170	370
12	50	64	290	883	110	128	196	299	538	93	163	266
13	50	54	165	602	99	490	168	222	421	81	122	202
14	50	49	128	387	93	439	780	213	353	75	118	163
15	57	50	615	308	151	173	534	269	927	72	118	146
16	59	48	299	250	5040	163	245	242	526	69	118	275
17	51	80	173	218	2250	290	188	233	343	66	296	978
18	45	88	133	202	610	4590	163	173	955	67	97	293
19	45	1680	170	284	377	805	142	146	1510	86	91	199
20	44	1200	139	439	245	470	124	135	350	135	91	168
21	43	233	100	230	193	363	133	120	260	69	108	153
22	43	118	84	193	239	314	126	108	230	170	144	183
23	43	88	186	170	281	308	108	99	210	183	75	251
24	43	75	380	327	227	1590	104	91	200	72	84	163
25	44	81	1020	780	191	343	97	88	190	63	133	144
26	44	73	770	269	170	227	88	83	582	450	251	133
27	44	72	366	156	158	178	83	204	278	263	78	126
28	43	69	224	156	151	153	81	193	230	88	75	122
29	70	72	175	151	---	153	93	327	173	160	242	116
30	64	170	142	139	---	180	3870	308	178	67	710	112
31	50	---	120	133	---	135	---	199	---	67	142	---
TOTAL	1678	4885	14250	19889	11843	16272	13576	21051	25582	4265	11152	10644
MEAN	54.1	162	459	641	422	524	452	679	852	137	359	354
MAX	70	1680	3680	5850	5040	4590	3870	4110	11500	450	2290	1600
MIN	43	43	80	80	93	128	81	83	90	63	75	66
CFSM	.30	.89	2.53	3.53	2.32	2.88	2.49	3.73	4.69	.76	1.98	1.95
IN.	.34	1.00	2.91	4.07	2.42	3.33	2.77	4.30	5.23	.87	2.28	2.18

CAL YR 1974 TOTAL 163570 MEAN 448 MAX 22000 MIN 43 CFSM 2.46 IN 33.43
WTR YR 1975 TOTAL 155087 MEAN 424 MAX 11500 MIN 43 CFSM 2.33 IN 31.70

PEAK DISCHARGE (BASE, 11,000 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12-06	2400	14.34	15,300	04-30	2300	14.31	15,200
01-10	1530	15.44	19,800	06-08	1200	19.12	39,800
02-16	2200	13.95	13,900				

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.--25 years, 865 ft³/s (24.50 m³/s), 20.25 in/yr (514 mm/yr).

EXTREMES.--Current year: Maximum discharge, 40,700 ft³/s (1,150 m³/s) June 9, gage height, 18.98 ft (5.785 m); minimum, 266 ft³/s (7.53 m³/s) Oct. 23, 24, 28, 29, gage height, 3.43 ft (1.045 m).
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.

REMARKS.--Records good.

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	295	300	1160	590	557	603	682	5810	594	760	3010	446
2	293	291	824	543	545	585	624	8190	463	1160	5570	380
3	289	287	629	508	534	567	685	5110	412	841	5900	365
4	285	286	516	503	531	1130	988	2770	384	849	4000	346
5	284	288	459	494	543	3690	890	5830	372	1220	2920	378
6	284	284	498	471	532	2750	668	6640	362	675	3650	1400
7	282	286	2990	618	513	1400	597	6840	369	523	2600	1670
8	281	288	5120	7400	500	963	628	15400	4110	469	1410	1460
9	279	293	3690	10900	491	791	1960	23600	29400	448	1140	1120
10	279	298	1510	10700	479	707	1290	10400	14500	718	1060	1840
11	277	386	896	13200	471	667	1200	3370	8480	525	1150	1570
12	276	394	959	12500	469	639	1040	1520	3910	460	850	1350
13	274	335	872	7300	466	655	761	1120	2060	433	859	936
14	273	311	742	2500	454	1040	1370	988	1520	408	742	470
15	281	305	982	1470	454	1190	3230	923	1730	394	735	399
16	287	302	1340	1090	623	1160	2020	1030	3390	389	784	433
17	290	312	984	934	4390	1220	1130	899	3220	391	1120	7370
18	281	940	760	844	5640	5150	803	883	2020	374	2260	21100
19	276	493	652	756	3870	8200	662	736	1020	403	706	9990
20	272	2010	646	786	1280	6940	580	629	807	1100	496	2820
21	269	3520	642	808	928	2720	564	569	674	886	534	1280
22	268	2370	613	751	790	1230	533	526	594	1190	447	960
23	268	858	555	684	787	976	493	495	545	1250	417	791
24	268	614	549	634	994	959	472	472	524	691	479	708
25	268	546	690	660	877	983	456	451	799	535	450	593
26	269	509	1460	784	726	780	441	425	1300	1110	422	521
27	269	466	1780	773	662	690	426	409	1570	895	385	473
28	268	438	1170	677	624	644	416	460	764	638	368	441
29	445	417	879	625	---	619	412	1010	662	547	397	418
30	397	726	736	596	---	697	660	981	895	556	653	400
31	333	---	653	574	---	776	---	848	---	729	705	---
TOTAL	8960	19153	35956	81713	29730	51121	26681	109334	87450	21567	46219	62418
MFAN	289	638	1159	2635	1061	1649	889	3526	2915	695	1490	2080
MAX	445	3520	5120	13200	5640	8200	3230	23600	29400	1250	5900	21100
MIN	268	284	459	471	454	567	412	409	362	374	368	346
CFSM	.50	1.10	2.00	4.54	1.83	2.84	1.53	6.08	5.03	1.20	2.57	3.59
IN.	.57	1.23	2.31	5.24	1.91	3.28	1.71	7.01	5.61	1.38	2.96	4.00
CAL YR 1974	TOTAL	379007	MEAN	1038	MAX	15900	MIN	268	CFSM	1.79	IN	24.31
WTR YR 1975	TOTAL	580302	MEAN	1589	MAX	29400	MIN	268	CFSM	2.74	IN	37.22

PEAK DISCHARGE (BASE, 5,000 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12-08	1500	10.57	5,480	05-09	0230	18.23	32,000
01-12	0815	15.63	13,900	06-09	0730	18.98	40,700
02-18	1145	10.99	5,890	08-03	1515	11.13	6,160
03-19	1915	12.92	8,400	09-18	0500	17.66	26,600
05-02	1730	13.18	8,750				

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 1975

Station No.	Station name	Location	Drainage area (sq mi)	Period of record	Measurements	
					Date	Discharge (cfs)
Mobile River basin						
02430900	Cummins Creek at Fulton, Miss.	Lat 34°16'57", long 88°24'31", in SE¼ sec.24, T.9 S., R.8 E., Chickasaw meridian, Itawamba County, at bridge on county road, 0.7 mile (1.13 km) north of Fulton and 1.8 miles (2.90 km) above mouth.	--	1957, 1960, 1975	10- 5-74	18.2
02431400	Mantachie Creek at Dorsey, Miss.	Lat 34°15'9", long 88°28'35", 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.	62	1943, 1945-46, 1952-57, 1959-60, 1971-72, 1975	10- 7-74	4.50
Pascagoula River basin						
02472900	Big Creek near Hattiesburg, Miss.	Lat 31°23'18", long 89°22'34", in NE¼ sec.23, T.5 N., R.14 W., St. Stephens meridian, Forrest County, on U.S. Highway 49, 5.5 miles (8.8 km) northwest of intersection of U.S. Highways 49 and 98 in Hattiesburg.	--	1953-57, 1960, 1974	10-15-75	^a 3.32
02479010	Whiskey Creek near Merrill, Miss.	Lat 30°55'35", long 88°47'02", in SE¼ sec.28, T.1 S., R.8 W., St. Stephens meridian, George County, 2.0 miles (3.2 km) above mouth, at bridge on State Highway 59, 5.5 miles (8.8 km) southeast of Merrill.	--	1954-57, 1959-60, 1975	5-27-75	28.1
02479050	Big Creek near Crossroads, Miss.	Lat 30°53'00", long 88°41'40", in SW¼ sec.9, T.2 S., R.7 W., St. Stephens meridian, George County, at bridge on State Highway 26, 6.5 miles (10.4 km) upstream from mouth and 6.9 miles (11.1 km) southwest of Lucedale.	44.6	1953-63, 1975	5-27-75	51.8
02479250	Bluff Creek near Wiggins, Miss.	Lat 30°51'13", long 88°58'00", in SW¼ sec.23, T.2 S., R.10 W., St. Stephens meridian, Stone County, at bridge on State Highway 26, 12.1 miles (19.5 km) east of Wiggins.	28.4	1954-57, 1959-60, 1975	5-28-75	23.9
02479550	Rocky Creek near Lucedale, Miss.	Lat 30°55'29", long 88°31'52", in NW¼ sec.36, T.1 S., R.6 W., St. Stephens meridian, George County, at bridge on U.S. Highway 98, 3.0 miles (4.8 km) east of Lucedale.	--	1953-55, 1959-60, 1975	5-28-75	18.2
Wolf River basin						
02481450	Murder Creek near Poplarville, Miss.	Lat 30°47'17", long 89°22'25", in SW¼NW¼ sec.14, T.3 S., R.14 W., St. Stephens meridian, Pearl River County, on old State Highway 26, 2.0 miles (3.2 km) upstream from mouth, and 11 miles (18 km) southeast of Poplarville.	22.0	1952-70 ^b , 1973, 1975	5-29-75	12.6
Yazoo River basin						
*07275500	Long Creek near 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 mile (1.6 km) south of Courtland, 5.5 miles (8.8 km) above mouth, and 6 miles (9.7 km) south of Batesville.	66.2	1940-42, 1943, 1952-57, 1959, 1973, 1975	10-10-74	6.97

Discharge measurements made at low-flow partial-record stations during water year 1975--Continued

Station No.	Station name	Location	Drainage area (sq mi)	Period of record	Measurements	
					Date	Discharge (cfs)
Yazoo River basin--Continued						
07279550	Arkabutla Creek near Senatobia, Miss.	Lat 34°37'08", long 90°02'00", in W½ sec.27, T.5 S., R.8 W., Chickasaw meridian, Tate County, at bridge on State Highway 4, 3.5 miles (5.6 km) west of Senatobia.	--	1953, 1955-56, 1959-60, 1975	10- 7-74	2.88
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, 1973, 1975	4-22-75 6- 3-75	61.8 41.0
St. Catherine Creek basin						
07290895	St. Catherine Creek at Foster, Miss.	Lat 31°35'49", long 91°19'50", 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.	C13	1961-62, 1975	9-16-75	2.59

* Also a crest-stage partial-record station.

a Not previously published.

b Operated as a crest-stage gage.

c 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 1975

Station No.	Station name	Location	Drainage area (sq mi)	Period of record	Annual maximum		
					Date	Gage height (feet)	Dis-charge (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, half a mile downstream from confluence of Browns Creek Canal and Mackeys Creek, 3 miles upstream from Donovan Creek Canal, and 6 miles south-east of Marietta.	307	1937-50†, 1968-75	3-14-75	12.54	33,100
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 miles north of junction of State Highway 25 and U.S. Highway 78 near Fulton. Prior to Oct. 1, 1964, at datum 12.24 ft lower.	.13	1955-75	3-13-75	5.24	76
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 mile north of city limits of Tupelo. Prior to 1971 at datum 0.4 ft higher.	110	1944-46†, 1952-70†, 1971-75	3-13-75	29.48	11,400
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 miles east of Tupelo. Prior to Oct. 1, 1964, at datum 2.81 ft lower.	.14	1955-75	3-29-75	6.39	146
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 miles east of Tupelo.	.75	1955-75	3-13-75	4.80	124
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 mile north of Shannon and 4.5 miles upstream from mouth.	53.0	1953-75	3-13-75	17.25	5,250
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 miles west of Tupelo. Prior to Oct. 1, 1964, at datum 12.74 ft lower.	.30	1955-75	3-29-75	3.95	102
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 miles west of Tupelo. Prior to Oct. 1, 1964, at datum 11.48 ft lower.	.20	1955-75	6-10-75	4.06	61
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 mile above Gulf, Mobile and Ohio Railroad bridge.	144	1952-67†, 1968-75	3-13-75	12.61	20,200
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 miles above Wolf River, and 4 miles northwest of Aberdeen.	92.0	1937, 1952-75	3-13-75	93.89	10,000
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 mile southeast of Quincy.	.54	1967-75	4-25-75	4.90	147
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 mile southwest of Aberdeen.	28.9	1964-68†, 1969-75	3-13-75	14.16	2,730

Annual maximum discharge at crest-stage partial-record stations during water year 1975--Continued

Station No.	Station name	Location	Drainage area (sq mi)	Period of record	Annual maximum		
					Date	Gage height (feet)	Discharge (cfs)
Mobile River basin--Continued							
02439800	Cowbell Creek near Houlika, 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, 1.75 miles north of Houlika. Prior to Oct. 1, 1964, at datum 1.61 ft lower.	0.46	1955-75	3-13-75	4.69	74
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 miles west of Okolona.	68.5	1963-68†, 1969-75	3-13-75	15.17	6,340
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 miles southwest of Egypt.	170	1952-73†, 1974-75	3-13-75	14.42	16,100
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 miles east of Trebloc.	.72	1967-75	2-16-75	7.35	300
02440400	Houlika 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 miles south of McCondy.	185	1963-68†, 1969-75	3-13-75	16.66	21,200
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 miles west of West Point.	514	1944-73†, 1974-75	3-14-75	21.64	31,700
02440600	Line Creek near Maben, Miss.	Lat 33°39', long 89°04', in S½ sec.26, T.16 S., R.2 E., Chickasaw meridian, Webster County, at bridge on State Highway 15, 1,000 ft below Gulf, Mobile and Ohio Railroad, and 7 miles north of Maben.	6.5	1952-75	3-13-75	18.95	1,900
02440800	Trim Cane Creek near Starkville, Miss.	Lat 33°28', long 88°55', in W½ sec.35, T.19 N., R.13 E., Choctaw meridian, Oktibbeha County, at bridge on U.S. Highway 82, 3 miles above Biba Wila Creek, and 6 miles west of Starkville.	39.6	1952-75	3-13-75	27.14	7,580
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 miles west of Mayhew.	.44	1966-75	3-13-75	5.58	168
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 mile east of Mayhew.	98.2	1963-68†, 1969-75	3-13-75	20.40	14,800
02443605	Mayo Slough tributary near Columbus, Miss. (discontinued)	Lat 33°28'40", long 88°31'05", on line between SE¼ sec.28 and NE¼ sec.33, T.19 N., R.17 E., Choctaw meridian, Lowndes County, at 8 x 4 foot box culvert on U.S. Highway 82, 5 miles west of Columbus.	.24	1965-75	3-13-75	4.95	136
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 foot box culvert on U.S. Highway 45, 7.5 miles north of Brooksville.	.49	1965-75	3-13-75	6.48	280
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 miles northeast of Ackerman.	.34	1966-75	3-13-75	5.35	154
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 miles north of Betheden.	1.11	1966-75	3-13-75	6.31	385

Annual maximum discharge at crest-stage partial-record stations during water year 1975--Continued

Annual maximum discharge at crest-stage partial-record stations during water year 1975--Continued							
Station No.	Station name	Location	Drainage area (sq mi)	Period of record	Annual maximum		
					Date	Gage height (feet)	Discharge (cfs)
Mobile River basin--Continued							
02447340	Cypress Creek tributary at Bradley, Miss.	Lat 33°22'20", long 88°59'00", in NE¼NE¼ sec.1, T.17 N., R.12 E., Choctaw meridian, Oktibbeha County, on State Highway 12, 0.3 mile southwest of Bradley.	0.60	1966-75	3-13-75	5.44	190
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 mile north of Scooba.	.44	1967-75	12-24-74	5.55	152
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 foot culvert on State Highway 16, 4.2 miles northeast of DeKalb.	.97	1965-75	12-24-74	6.43	409
02469672	Little Okatuppa Creek near Quitman, Miss.	Lat 32°05'00", long 88°27'10", in NW¼SE¼ sec.21, T.3 N., R.18 E., Choctaw meridian, Clarke County, on State Highway 18, 17.6 miles east of Quitman.	4.35	1966-75	11-18-74	5.66	813
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 miles east of Raleigh.	143	1940-43a, 1957-75	1- 8-75	300.52	9,200
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 mile east of Taylorsville.	466	1968-75	1- 8-75	249.52	13,200
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†, 1968-75	1- 8-75	13.36	7,290
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 miles west of Laurel.	.17	1966-75	1-25-75	5.75	163
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 miles southwest of junction with U.S. Highway 49.	262	1968-75	5- 8-75	216.54	10,500
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 foot box culvert on State Highway 532, 0.3 mile east of Mt. Olive.	.33	1965-75	5- 7-75	4.97	188
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 miles south of Collins.	.21	1967-75	5- 7-75	7.86	262
02473047	Gordons 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	1969-75	5- 7-75	159.26	2,900
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 mile west of Waldrup.	100	1969-75	2-16-75	308.92	3,950
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 miles south of Waldrup.	30.7	1965-70†, 1971-75	2-16-75	15.30	2,400

Annual maximum discharge at crest-stage partial-record stations during water year 1975--Continued

Annual maximum discharge at crest-stage partial-record stations during water year 1975--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							
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 east of 4th Ave. in Laurel.		1975	5- 7-75	238.67	(†)
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	5- 7-75	230.60	(†)
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 mile east of Lake Como.	3.21	1966-75	5- 7-75	6.88	1,020
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 miles above mouth, and 3.7 miles east of Runnelstown.	19.1	1951-75	1- 8-75	86.05	2,300
02475050	Waterfall Branch near McLain, Miss.	Lat 31°07'10", long 88°45'25", in SW¼E¼ sec.23, T.2 N., R.8 W., St. Stephens meridian, Greene County, at culvert on State Highway 57, 4.2 miles east of McLain. Prior to Oct. 1, 1964, at datum 0.72 ft lower.	.65	1955-75	5- 7-75	8.58	430
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 foot box culvert on State Highway 494, 1.2 miles southeast of Little Rock.	.22	1965-75	1-10-75	7.34	237
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 foot box culvert on State Highway 15, 2.6 miles north of Baxter.	1.14	1965-75	8- 6-75	11.47	875
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 foot culvert on State Highway 18, 3.0 miles southwest of Rose Hill.	.45	1965-75	7- 2-75	5.28	184
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 miles northwest of Shubuta, and 5 miles above mouth.	95	1963-75	2-17-75	19.23	4,420
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 mile southwest of Piave.	.69	1967-75	5- 7-75	6.35	376
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 miles west of intersection of U.S. Highway 49 and 98 in Hattiesburg.	1.60	1967-75	9-17-75	5.29	390
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 miles northwest of Brooklyn.	.37	1966-75	4-14-75	8.23	387
02479165	Mosquito Branch at Berndale, 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 mile west of Berndale. Prior to Oct. 1, 1964, at datum 0.99 ft higher.	.22	1955-75	6-11-75	4.66	101
02479187	Red Creek tributary near Wiggins, Miss.	Lat 30°50'55", long 89°13'40", in SW¼NE¼ sec.30, T.2 S., R.12 W., St. Stephens meridian, Stone County, on State Highway 26, 5.3 miles west of Wiggins.	.22	1966-75	8- 1-75	6.12	158

Annual maximum discharge at crest-stage partial-record stations during water year 1975--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							
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 miles east of Whites Crossing.	0.82	1966-75	3-30-75	5.57	341
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 mile east of Miss.-Ala. State line, 2.6 miles west of Grand Bay, Ala., and 3.1 miles upstream from mouth.	16.4	1959-75	8- 1-75	14.50	660
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 miles north of city limits of Biloxi.	92.3	1944-52, 1952-71†, 1972-75	8- 1-75	14.13	3,780
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 miles downstream from Little Biloxi River, 4.6 miles east of Lyman.	250.74	1965-75	b 4-14-74 5- 9-75	17.53 17.20	8,410 7,750
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 miles northwest of Lizana.	2.29	1967-75	8- 1-75	6.46	720
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 foot box culvert on State Highway 19, 2.3 miles northwest of House, and 9.3 miles southeast of Philadelphia.	0.20	1965-75	1-10-75	5.55	208
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 miles west of Edinburg.	1.92	1966-75	2-16-75	3.51	286
02482310	Lobutchka 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 foot box culvert on State Highway 19, 0.3 mile west of Wamba.	.94	1965-75	3-13-75	8.91	667
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 miles north of Harpersville.	.12	1966-75	12-23-74	5.74	108
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 foot box culvert on State Highway 12, 4 miles southwest of McCool.	.34	1965-75	2-16-75	5.10	237
02484600	Coffee Bogue at Ludlow, Miss.	Lat 32°34'25", long 89°43'48", in N½ of line between secs. 1 and 6, T.8 N., R.5 E., Choctaw meridian, Scott County, at bridge on county road, 1 mile west of Ludlow.	--	1975	4-29-75	14.48	5,200
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 54-inch circular pipe on State Highway 43, 4.1 miles east of Pisgah.	.10	1965-75	5-16-75	4.99	64

Annual maximum discharge at crest-stage partial-record stations during water year 1975--Continued

Annual maximum discharge at crest-stage partial-record stations during water year 1975--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							
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 miles east of Sand Hill.	--	1975	8- 1-75	13.34	7,000
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 foot box culvert on State Highway 43, 7.2 miles southeast of Pisgah.	0.59	1965-75	8- 1-75	6.84	320
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 foot box culvert on State Highway 43, 7.6 miles southeast of Pisgah.	.25	1965-75	8- 1-75	7.04	306
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 60-inch circular culvert on State Highway 43, 3.3 miles north of intersection on Highways 80 and 43 in Pelahatchie.	.12	1965-75	12-23-74	6.14	119
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 above old Canton Road bridge, and 1.5 miles above mouth.	5.85	1952-75	2-16-75	97.26	1,500
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 mile above Whiteoak Creek, and 2 miles above mouth. Prior to Oct. 1, 1961, at datum 73.56 ft lower.	16	1953-75	2-16-75	20.82	2,950
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, 1600 ft upstream from Interstate 55 (formerly U.S. Highway 51), and 1.3 miles upstream from mouth. Prior to Oct. 1, 1959, at 1,600 ft downstream at datum 0.74 ft lower.	4.0	1954-75	8-16-75	14.06	2,080
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 foot box culvert on New Airport Road, 5.4 miles west of Brandon.	1.09	1965-75	2-16-75	5.12	392
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 above Illinois Central Railroad.	11.7	1953-75	2-16-75	13.32	2,640
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 below U.S. Highway 80, and 2.0 miles above mouth. Prior to Oct. 1, 1958, at site 2,000 ft upstream.	11.1	1955-75	2-16-75	16.65	5,000
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 downstream from old U.S. Highway 51 (Terry Road), 0.6 mile above Illinois Central Railroad.	1.12	1962-75	2-16-75	282.90	1,000
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 miles southwest of Brandon.	.12	1966-75	2-16-75	6.10	100

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

Annual maximum discharge at crest-stage partial-record stations during water year 1975--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							
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 miles south-east of Puckett.	--	1958-75	12-24-74	25.94	13,600
02487500	Strong River at D'Lo, Miss.	Lat 31°58'45", long 89°54'05", in SW¼ sec.28, T.2 N., R.4 E., Choctaw meridian, Simpson County, on left bank at downstream side of old U.S. Highway 49, 0.2 mile south of D'Lo.	429	1928-71, 1972-75	12-26-74	29.60	15,100
02487670	Boggans ditch near Mendenhall, Miss.	Lat 31°53'10", long 89°53'20", in NE¼NE¼ sec.33, T.1 N., R.4 E., Choctaw meridian, Simpson County, at culvert on State Highway 13, 5.5 miles south of Mendenhall. Prior to Oct. 1, 1964, at datum 1.27 ft higher.	.91	1955-75	12-24-74	5.92	386
02487690	Baking Powder Draw near Prentiss, Miss.	Lat 31°50'20", long 89°53'00", in SE¼NE¼ sec.14, T.10 N., R.19 W., St. Stephens meridian, Simpson County, at culvert on State Highway 13, 4.9 miles north of Jefferson Davis-Simpson County line, and 16.0 miles north of Prentiss. Prior to Oct. 1, 1964, at datum 1.37 ft higher.	.82	1955-75	5- 7-75	5.19	270
02487710	Barretts Branch near Pinola, Miss.	Lat 31°52'50", long 90°02'40", in NE¼NE¼ sec.36, T.1 N., R.2 E., Choctaw meridian, Simpson County, at culvert on State Highway 28, 5 miles west of Pinola. Prior to Oct. 1, 1964, at datum 0.79 ft lower.	.88	1955, 1957-75	12-23-75	6.42	347
02487770	Bradleys ditch near Pinola, Miss.	Lat 31°52'50", long 90°05'30", in NW¼NW¼ sec.34, T.1 N., R.2 E., Choctaw meridian, Simpson County, at culvert on State Highway 28, 8.5 miles west of Pinola. Prior to Oct. 1, 1964, at datum 1.09 ft higher.	.54	1955-75	4-30-75	6.98	330
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 miles east of Hazlehurst.	48.6	1948-65, 1966-68, 1969-75	12-23-74	17.28	5,500
02488340	Small Pine ditch near Monticello, Miss.	Lat 31°32'50", long 90°15'40", in SW¼SW¼ sec.25, T.7 N., R.9 E., Washington meridian, Lawrence County, at culvert on U.S. Highway 84, 9 miles west of Monticello. Prior to Oct. 1, 1964, at datum 0.84 ft higher.	.16	1955-75	5- 7-75	6.40	165
02488510	Roadside Park ditch near Monticello, Miss.	Lat 31°34'30", long 90°03'20", in SW¼SE¼ sec.18, T.7 N., R.12 E., St. Stephens meridian, Lawrence County, at culvert on U.S. Highway 84, 3.0 miles east of Monticello. Prior to Oct. 1, 1964, at datum 0.86 ft higher.	.25	1955-75	5- 7-75	5.30	155
02488540	Newhebron Gulley at Newhebron, Miss.	Lat 31°44', long 90°00', in NW¼SW¼ sec.22, T.9 N., R.20 W., St. Stephens meridian, Lawrence County, at 16 x 10 foot box culvert on paved county highway, 0.9 mile west of Newhebron.	2.50	1965-75	5- 7-75	10.68	1,500
02488550	Goines Draw near Prentiss, Miss.	Lat 31°47'00", long 89°52'40", in NE¼NW¼ sec.2, T.9 N., R.19 W., St. Stephens meridian, Simpson County, at culvert on State Highway 13, 12.2 miles north of Prentiss.	.34	1955-75	1975	(c)	(†)
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 miles west of Prentiss.	.23	1955-75	5- 7-75	5.81	311'
02489030	Elmers Draw near Columbia, Miss.	Lat 31°12'00", long 89°58'00", in SE¼SE¼ sec.26, T.3 N., R.12 E., Washington meridian, Marion County, at U.S. Highway 98, 5.7 miles west of Columbia. Prior to Oct. 1, 1964, at datum 1.12 ft higher.	.91	1955-75	2-16-75	7.78	426

Annual maximum discharge at crest-stage partial-record stations during water year 1975--Continued

Annual maximum discharge at crest-stage partial-record stations during water year 1975--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							
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 higher.	1.26	1955-75	5- 7-75	5.20	355
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 mile above Fernwood, Columbia, and Gulf Railroad, and 5.5 miles northwest of Tylertown. Prior to Oct. 1, 1964, at datum 10.95 ft lower.	1.37	1953-75	5- 7-75	6.38	670
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 miles west of McNeill.	175	1966-68†, 1969-75	4-15-75	21.30	9,050
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 miles east of Ripley.	1.24	1966-75	11-19-74	5.24	526
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 miles west of Walnut.	2.17	1966-75	3-13-75	4.95	348
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 miles northwest of New Albany, and 4.5 miles above mouth.	27.3	1939-42†, 1952-75	1975	(d)	<2,700
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 miles west of Pontotoc. Prior to Oct. 1, 1964, at datum 11.43 ft lower.	.23	1955-75	2-23-75	4.40	70
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 miles southwest of Etta, and 5 miles above mouth. Prior to Oct. 1, 1964, at datum 10.00 ft higher.	28.5	1939-42†, 1952-75	1974 3-13-75	(d) 15.13	^b <3,760 6,200
07269000	North Tippah Creek near Ripley, Miss.	Lat 34°44', long 89°02', in SW¼ sec.18, T.4 S., R.3 E., Chickasaw meridian, Tippah County, at bridge on State Highway 4, 2 miles upstream from Tippah Creek, and 5.5 miles west of Ripley.	20.0	1939-42†, 1952-75	2-23-75	18.68	4,100
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 miles south of Water Valley, and 5.2 miles above mouth.	84.1	1952-75	3-13-75	25.60	6,000
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 mile south of Courtland, 5.5 miles above mouth, and 6 miles south of Batesville.	66.2	1940-43†, 1952-75	2-23-75	15.22	5,800

Annual maximum discharge at crest-stage partial-record stations during water year 1975--Continued

Station No.	Station name	Location	Drainage area (sq mi)	Period of record	Annual maximum		
					Date	Gage height (feet)	Discharge (cfs)
Yazoo River basin--Continued							
*07275900	Coldwater River near Olive Branch, Miss. (discontinued)	Lat 34°54'22", long 89°45'10", in SW¼ sec.17, T.2 S., R.5 W., Chickasaw meridian, De Soto County, at bridge on U.S. Highway 78, 5 miles southeast of Olive Branch.	191	1974-75	3-13-75	291.68	(†)
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 foot box culvert on State Highway 4, 1.2 miles north of Looxahoma, and 7.8 miles east of Senatobia.	.29	1965-75	3-13-75	5.59	285
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 mile south of Sabougla.	.50	1967-75	3-13-75	5.31	175
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 miles east of Coffeeville. Prior to Oct. 1, 1964, at datum 8.88 ft lower.	1.97	1955-75	3-13-75	7.76	860
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 miles south of Grenada.	.13	1966-75	3-13-75	4.47	89
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 foot box culvert on county highway, 1.1 miles east of Cascilla.	1.64	1965-75	12-24-74	7.45	721
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 foot culvert on State Highway 35, 4.5 miles north of Oxberry.	1.49	1965-75	5-15-75	5.38	575
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 mile east of Illinois Central Railroad in Phillip.	.04	1967-75	5-15-75	4.11	17
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 36-inch corrugated pipe on county highway 2.4 miles east of North Carrollton.	.09	1965-75	2-23-75	5.61	46
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 foot box culvert on State Highway 17, 3.4 miles south of Carrollton.	.43	1965-75	2-23-75	6.22	227
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 mile south of compress at Itta Bena.	.11	1966-75	5-15-75	4.72	59
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 mile south of compress at Itta Bena.	.13	1966-75	5-15-75	4.07	70
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 miles east of Tchula.	100	1953-65e, 1968-75	1975	(d)	<5,000
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 miles northwest of Yazoo River bridge near Yazoo City.	.11	1966-75	1975	(d)	(†)

Annual maximum discharge at crest-stage partial-record stations during water year 1975--Continued

Annual maximum discharge at crest-stage partial-record stations during water year 1975--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							
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 miles west of Schlater.	0.18	1967-75	3-13-75	5.97	41
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 foot box culvert on U.S. Highway 82, 1.8 miles southwest of Eupora.	2.29	1965-75	2- 3-75	5.65	475
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 foot box culvert on State Highway 413, 2.0 miles north of French Camp.	1.74	1965-75	3-13-75	8.40	510
*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 miles north of Vaiden.	14	1975	--	(d)	(†)
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 miles north-west of Highway 51 near Vaiden.	.40	1966-75	12- 7-74	6.02	255
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 miles southeast of West.	.30	1967-75	2-16-75	6.88	154
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 foot box culvert on State Highway 17, 3.6 miles north of Pickens.	.15	1965-75	8- 1-75	4.30	65
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 miles north of Canton, and 3.5 miles above mouth.	24.4	1948-75	8- 1-75	19.16	8,300
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 foot box culvert on State Highway 22, 8.0 miles northeast of Flora.	.26	1965-75	5-16-75	6.56	209
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 foot culvert on State Highway 22, 8.3 miles northeast of Flora.	.07	1965-75	11-20-74	5.77	104
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 mile northeast of Bovina.	f36	1953-75	8- 1-75	27.95	12,500
Bayou Pierre basin							
07290220	Dry Draw near Brookhaven, Miss.	Lat 31°38'35", long 90°25'50", in NW¼SW¼SW¼ sec.20, T.8 N., R.8 E., Washington meridian, Lincoln County, on U.S. Highway 51, 4.5 miles north of Brookhaven.	0.20	1966-75	2-16-75	6.14	165
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 foot box culvert on State Highway 27, 6.3 miles southeast of Utica.	1.36	1965-75	12-24-74	8.10	591

Annual maximum discharge at crest-stage partial-record stations during water year 1975--Continued

Station No.	Station name	Location	Drainage area (sq mi)	Period of record	Annual maximum		
					Date	Gage height (feet)	Dis-charge (cfs)
Bayou Pierre basin--Continued							
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 miles above mouth, and 2.5 miles east of Pattison.	77.4	1961-62†, 1963-75	4-12-74 6- 8-75	26.18 21.77	^b (†) 11,100
07290830	Little Creek near Fayette, Miss.	Lat 31°40'30", long 91°04'10", in SE corner of irregular section 24, T.8 N., R.1 E., Washington meridian, Jefferson County, at culvert on State Highway 33, 2 miles south of Fayette.	1.71	1967-75	6- 8-75	11.80	1,120
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 mile below confluence of North and South Forks of Coles Creek, and 10 miles northwest of Fayette.	257	1961-62†, 1963-75	6- 8-75	28.60	56,000
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	1967-75	5- 7-75	12.60	1,420
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 mile east of Lucien.	f60	1953, 1955-75	3-24-73 4-13-74 5- 7-75	89.66 92.70 83.80	^g 17,000 ^b 23,000 7,400
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 miles west of McCall Creek. Prior to Oct. 1, 1964, at datum 0.56 ft higher.	2.61	1955-75	5- 7-75	5.55	352
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 miles north of Doloroso. Prior to Oct. 1, 1964, at datum 0.80 ft higher.	.22	1954-75	11-20-74	6.21	153
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 miles east of Woodville. Prior to Oct. 1, 1964, at datum 0.88 ft lower.	0.21	1955-75	5- 6-75	7.20	354
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 miles southwest of McComb.	2.71	1966-75	5- 6-75	7.33	720
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 miles east of Liberty.	.38	1966-75	6- 8-75	8.07	422
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 miles west of intersection with Highway 24 in Liberty.	.80	1966-75	6- 8-75	11.81	993

* Also a low-flow partial-record station.

† Discharge not determined.

‡ Operated as a continuous-record gaging station.

a Gage height and discharge measurements in files of Corps of Engineers.

b Not previously published.

c High-water mark was not determined.

d Did not reach bottom of gage.

e Published at site near Howard, 3 miles downstream

f Approximately.

g Revised.

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 1975

Stream	Tributary to	Location	Drainage area (sq mi)	Measured previously (water years)	Measurements	
					Date	Discharge (cfs)
Mobile River basin						
Houlka Creek	Tombigbee River	Lat 33°56'25", long 89°00'04", in NE¼ sec.20, T.13 S., R.3 E., Chickasaw meridian, Chickasaw County, at bridge on State Highway 15, 2.8 miles (4.5 km) north of Houston, Miss.	32.3	1955, 1972	3-13-75	†4,620
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	8-11-75	1,130
Greens Creek	Leaf River	Lat 31°21'47", long 89°16'12", in SE¼ sec.26, T.5 N., R.13 W., St. Stephens meridian, Forrest County, at bridge on U.S. Highway 11, 1.3 miles (2.1 km) north of Petal, Miss.	--	--	10-16-73 1-10-74	^a 1.18 ^a 9.36
Leaf River	Pascagoula River	Lat 31°20'40", long 89°16'46", on line between NW¼ sec.2 and NE¼ sec.3, T.4 N., R.13 W., St. Stephens meridian, Forrest County, 0.2 miles (0.3 km) above mouth of Bowie River at Hattiesburg, Miss.	--	--	10-15-73	^a 349
Okatoma Creek	Bowie River	Lat 31°26'35", long 89°24'23", in NE¼ sec.33, T.6 N., R.14 W., St. Stephens meridian, Covington County, at bridge on county road, 0.4 mile (0.6 km) southwest of Lux, Miss.	--	--	10-15-73	^a 193
Providence Creek	Bowie River	Lat 31°24'30", long 89°22'14", in SE¼ sec.11, T.5 N., R.14 W., St. Stephens meridian, Forrest County, at bridge on county highway at Maybank, 5.2 miles (8.4 km) northwest of Glendale, Miss.	--	--	10-16-73 1-10-74	^a 9.67 ^a 11.0
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.	--	--	10-16-73 8-11-75 9-26-75	^a 411 692 470
Mineral Creek	Bowie River	Lat 31°22'48", long 89°22'02", in SE¼ sec.23, T.5 N., R.14 W., St. Stephens meridian, Forrest County, at bridge on U.S. Highway 49, at Rawls Springs, 3.8 miles (6.1 km) northwest of Glendale, Miss.	--	--	10-15-73 1-10-74	^a .03 ^a 3.88
Bowie River	Leaf River	Lat 31°22'03", long 89°20'11", in SE¼ sec.30, T.5 N., R.13 W., St. Stephens meridian, Forrest County, at bridge on Interstate Highway 59, 1.5 miles (2.4 km) north of intersection of U.S. Highways 49 and 11, in Hattiesburg, Miss.	656	1964-65	10-16-73	^a 402
Mixons Creek	Bowie River	Lat 31°21'21", long 89°20'21", in NE¼ sec.31, T.5 N., R.13 W., St. Stephens meridian, Forrest County, at bridge on county road, 0.4 mile (0.6 km) east of intersection of U.S. Highway 49 and Interstate 59, and 2.3 miles (3.7 km) southwest of Glendale, Miss.	--	--	10-16-73 1-10-74	^a 7.21 ^a 20.0
Bay Creek	Bowie River	Lat 31°21'48", long 89°18'20", in S¼ sec.28, T.5 N., R.13 W., St. Stephens meridian, Forrest County, at bridge on county highway at Glendale, Miss.	--	--	10-15-73 1-10-74	^a .37 ^a 3.16
Bowie River	Leaf River	Lat 31°20'58", long 89°18'18", in SW¼ sec.33, T.5 N., R.13 W., St. Stephens meridian, Forrest County, at county road bridge, 0.2 mile (0.3 km) north of Hattiesburg, Miss.	--	1957, 1972	10-15-73	^a 396
Bowie River tributary	Bowie River	Lat 31°20'37", long 89°17'46", in NW¼ sec.3, T.4 N., R.13 W., St. Stephens meridian, Forrest County, at bridge on State Highway 42, in Hattiesburg, Miss.	--	--	10-16-73 1-10-74	^a 14.3 ^a 12.4
Bowie River	Leaf River	Lat 31°20'38", long 89°16'50", in NE¼ sec.3, T.4 N., R.13 W., St. Stephens meridian, Forrest County, at mouth, in Hattiesburg, Miss.	--	--	10-17-73	^a 560

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

Discharge measurements made at miscellaneous sites during water year 1975--Continued

Discharge measurements made at miscellaneous sites during water year 1975--Continued						
Stream	Tributary to	Location	Drainage area (sq mi)	Measured previously (water years)	Measurements	
					Date	Discharge (cfs)
Pascagoula River basin--Continued						
Gordons Creek	Leaf River	Lat 31°19'30", long 89°17'30", in SE¼NW¼ sec.10, T.4 N., R.13 W., St. Stephens meridian, Forrest County, at bridge on East Pine Street in Hattiesburg, Miss.	9.46	1952, 1954-55	10-16-73	^a 1.92
Leaf River	Pascagoula River	Lat 31°19'36", long 89°16'02", in NE¼ sec.3, T.4 N., R.13 W., St. Stephens meridian, Forrest County, at bridge on River Ave., in Hattiesburg, Miss.	--	--	10-17-73	^a 561
Burketts Creek	Leaf River	Lat 31°18'26", long 89°16'44", in SE¼, sec.15, T.4 N., R.13 W., St. Stephens meridian, Forrest County, at bridge on county highway near mouth, at Hattiesburg, Miss.	--	--	10-17-73 1- 9-74	^a 6.56 ^a 8.61
Lotts Creek	Leaf River	Lat 31°18'38", long 89°14'14", in SW¼NE¼ sec.18, T.4 N., R.12 W., St. Stephens meridian, Forrest County, at bridge on county road, 3.2 miles (5.1 km) southeast of Petal, Miss.	--	--	10-17-73 1- 9-74	^a 7.53 ^a 16.1
Priests Creek	Leaf River	Lat 31°16'10", long 89°14'32", in NW¼ sec.31, T.4 N., R.12 W., St. Stephens meridian, Forrest County, at bridge on county road, 3.0 miles (4.8 km) northwest of McCallum, Miss.	--	--	10-15-73 1- 9-74	^a 6.92 ^a 19.4
Leaf River	Pascagoula River	Lat 31°15'40", long 89°13'35", in SW¼SW¼ sec.32, T.4 N., R.12 W., St. Stephens meridian, Forrest County, at bridge on county road, 2.7 miles (4.3 km) southeast of Palmer, Miss.	--	1971-73	10-16-73	^a 919
Myers Creek	Leaf River	Lat 31°15'05", long 89°13'52", in SE¼ sec.6, T.3 N., R.12 W., St. Stephens meridian, Forrest County, at bridge on county road, 1.6 miles (2.6 km) northwest of McCallum, Miss.	--	--	10-15-73 1- 9-74	^a 12.8 ^a 31.2
Carters Creek	Leaf River	Lat 31°16'11", long 89°12'32", in NW¼ sec.33, T.4 N., R.12 W., St. Stephens meridian, Forrest County, at bridge on county road, 2.2 miles (3.5 km) north of McCallum, Miss.	--	--	10-16-73 1- 9-74	^a 2.20 ^a 3.01
Jacobs Creek	Leaf River	Lat 31°14'32", long 89°13'06", in NE¼ sec.8, T.3 N., R.12 W., St. Stephens meridian, Forrest County, at bridge on State Highway 24, at McCallum, Miss.	--	--	10-15-73 1- 9-74	^a 3.33 ^a 8.86
Weldy Creek	Leaf River	Lat 31°13'53", long 89°11'44", in SW¼ sec.10, T.3 N., R.12 W., St. Stephens meridian, Forrest County, at bridge on State Highway 24, 1.0 mile (1.6 km) southeast of McCallum, Miss.	--	--	10-15-73 1- 9-74	^a 3.25 ^a 6.05
Jakes Creek	Leaf River	Lat 31°14'42", long 89°10'34", on line between SW¼ sec.2 and NW¼ sec.11, T.3 N., R.12 W., St. Stephens meridian, Forrest County, at bridge on county road, 2.5 miles (4.0 km) northeast of McCallum, Miss.	--	--	10-16-73 1- 9-74	^a 0.39 ^a 10.5
Reese Creek	Leaf River	Lat 31°14'41", long 89°09'10", on line between SE¼ sec.1 and NE¼ sec.12, T.3 N., R.12 W., St. Stephens meridian, Forrest County, at bridge on county highway, 3.5 miles (5.6 km) northeast of McCallum, Miss.	--	--	10-16-73 1- 9-74	^a 2.07 ^a 19.2
Leaf River	Pascagoula River	Lat 31°13'35", long 89°05'15", in NW¼ sec.15, T.3 N., R.11 W., St. Stephens meridian, Perry County, on county road, 1.5 miles (2.4 km) north of Mahned, Miss.	--	1964-66, 1970	10-16-73	1,340
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.	^b 200	1965 ^c	6-16-75	155
Brushy Branch	Big Reedy Creek	Lat 31°44'15", long 89°07'28", in NW¼ sec.20, T.9 N., R.11 W., St. Stephens meridian, Jones County, at Laurel, Miss.	--	--	6-17-75	.80

Discharge measurements made at miscellaneous sites during water year 1975 --Continued

Stream	Tributary to	Location	Drainage area (sq mi)	Measured previously (water years)	Measurements	
					Date	Discharge (cfs)
Pascagoula River basin--Continued						
Bee Branch	Big Reedy Creek	Lat 31°44'04", long 89°07'42", in NW¼ sec.20, T.9 N., R.11 W., St. Stephens meridian, Jones County, at Laurel, Miss.	--	--	6-17-75	0.04
Tallahala Creek	Leaf River	Lat 31°43'18", long 89°06'45", in NW¼ sec.28, T.9 N., R.11 W., St. Stephens meridian, Jones County, at U.S. Highway 11, at Laurel, Miss.	--	--	6-16-75	112
Tallahala Creek tributary	Tallahala Creek	Lat 31°41'40", long 89°07'20", in N¼ sec.5, T.8 N., R.11 W., St. Stephens meridian, Jones County, at Meridian Ave., at Laurel, Miss.	--	--	6-17-75	.27
Tallahala Creek tributary No. 3	Tallahala Creek	Lat 31°41'02", long 89°07'22", in SW¼ sec.5, T.8 N., R.11 W., St. Stephens meridian, Jones County, at Laurel, Miss.	--	--	6-17-75	.30
Tallahala Creek	Leaf River	Lat 31°40'16", long 89°07'23", in SW¼ sec.8, T.8 N., R.11 W., St. Stephens meridian, Jones County, at Masonite Bridge on county road, 1.0 mile (1.6 km) south of Laurel, Miss.	--	--	6-18-75	180
Tallahala Creek	Leaf River	Lat 31°39'20", long 89°08'22", in SW¼ sec.18, T.8 N., R.11 W., St. Stephens meridian, Jones County, at bridge on Brown Street Ext., at Laurel, Miss.	--	1965-66	6-18-75	244
Tallahala Creek tributary No. 2	Tallahala Creek	Lat 31°39'55", long 89°09'22", in NW¼ sec.13, T.8 N., R.12 W., St. Stephens meridian, Jones County, at bridge on U.S. Highway 11, at Laurel, Miss.	--	--	6-17-75	.36
Tallahoma Creek	Tallahala Creek	Lat 31°46'05", long 89°11'14", in NE¼ sec.10, T.9 N., R.12 W., St. Stephens meridian, Jones County, at bridge on county highway, 5.0 miles (8.0 km) east of Soso, Miss.	--	--	6-16-75	148
Brushy Creek	Tallahoma Creek	Lat 31°46'00", long 89°12'00", in NE¼ sec.9, T.9 N., R.12 W., St. Stephens meridian, Jones County, on county road, 3.0 miles (4.8 km) west of Shady Grove, Miss.	--	--	6-17-75	16.5
Tallahoma Creek	Tallahala Creek	Lat 31°42'50", long 89°09'56", in SE¼ sec.26, T.9 N., R.12 W., St. Stephens meridian, Jones County, at bridge on county highway, 1.2 miles (1.9 km) above U.S. Highway 84 bridge, and 2 miles (3.2 km) northwest of Laurel, Miss.	--	1953-57, 1959-60, 1964-66, 1972-73	6-16-75	178
Horse Creek	Tallahoma Creek	Lat 31°41'40", long 89°11'05", in NE¼ sec.3, T.8 N., R.12 W., St. Stephens meridian, Jones County, at county road, 300 ft (91 m) north of U.S. Highway 84 and 3 miles (5 km) west of Laurel, Miss.	--	1968	6-17-75	24.1
Tallahoma Creek	Tallahala Creek	Lat 31°39'45", long 89°11'23", in NW¼ sec.15, T.8 N., R.12 W., St. Stephens meridian, Jones County, on State Highway 28, 2.5 miles (4.2 km) southeast of Calhoun, Miss.	--	--	6-18-75	253
Mill Creek	Tallahoma Creek	Lat 31°39'50", long 89°12'03", in NE¼ sec.16, T.8 N., R.12 W., St. Stephens meridian, Jones County, on county road 2.1 miles (3.4 km) south of Calhoun, Miss.	--	--	6-17-75	5.23
Tallahoma Creek	Tallahala Creek	Lat 31°37'18", long 89°11'02", in NE¼ sec.34, T.7 N., R.12 W., St. Stephens meridian, Jones County, at bridge on U.S. Highway 11, at Ellisville, Miss.	--	--	6-18-75	292
Tallahala Creek	Leaf River	Lat 31°36'34", long 89°10'52", in SE¼ sec.34, T.8 N., R.12 W., St. Stephens meridian, Jones County, at bridge on county road, 0.8 mile (1.3 km) northeast of Ellisville, Miss.	--	1973	6-18-75	398

Discharge measurements made at miscellaneous sites during water year 1975 --Continued

Stream	Tributary to	Location	Drainage area (sq mi)	Measured previously (water years)	Measurements	
					Date	Discharge (cfs)
Pascagoula River basin--Continued						
Tallahala Creek	Leaf River	Lat 31°35'30", long 89°10'00", in NE¼ sec.11, T.7 N., R.12 W., St. Stephens meridian, Jones County, at bridge on State Highway 29, 2 miles (3 km) southeast of Ellisville, Miss.	466	1953, 1964-65, 1972, 1974	12-28-73 6-18-75	^a 18,300 402
Tallahala Creek	Leaf River	Lat 31°33'36", long 89°11'06", in NE¼ sec.22, T.7 N., R.12 W., St. Stephens meridian, Jones County, at bridge on county road, 2.5 miles (4.0 km) south of Ellisville, Miss.	--	1972	6-19-75	335
Rocky Creek	Tallahala Creek	Lat 31°33'58", long 89°11'58", in SE¼ sec.16, T.7 N., R.12 W., St. Stephens meridian, Jones County, on county road, 2.0 miles (3.2 km) south of Ellisville, Miss.	--	--	6-17-75	9.06
Tallahala Creek	Leaf River	Lat 31°28'43", long 89°10'19", in SW¼ sec.14, T.6 N., R.12 W., St. Stephens meridian, Jones County, 6.5 miles (10.5 km) southeast of Moselle, Miss.	--	1965, 1972	6-19-75	602
Tallahala Creek	Leaf River	Lat 31°25'26", long 89°09'23", in SW¼ sec.1, T.5 N., R.12 W., St. Stephens meridian, Forrest County, at bridge on county road, 2.5 miles (4.0 km) northeast of Morristown, Miss.	--	--	6-19-75	809
Tallahala Creek	Leaf River	Lat 31°13'52", long 89°04'50", in SE¼ sec.10, T.3 N., R.11 W., St. Stephens meridian, Perry County, at bridge on county road, 2 miles (3 km) north of Mahned, Miss.	^b 640	1964-65, 1972	6-19-75	1,170
Chickasawhay River	Leaf River	Lat 31°40'46", long 88°41'00", in NW¼ sec.10, T.8 N., R.7 W., St. Stephens meridian, Wayne County, at bridge on U.S. Highway 84, 2 miles (3 km) west of Waynesboro, Miss.	^b 1660	1939-50 ⁺ , 1957, 1964-66, 1967, 1974	3- 7-75	2,980
White Creek	Pascagoula River	Lat 30°48'33", long 88°39'53", in NW¼ sec.16, T.3 S., R.7 W., St. Stephens meridian, George County, on county road, 6.0 miles (9.6 km) southeast of Crossroads, Miss.	--	1960	5-28-75	27.2
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) northeast of Purvis, Miss.	154	1957-70 ^c	8-20-75	133
Red Creek	Black Creek	Lat 30°47'32", long 89°08'10", in NW¼ sec.18, T.3 S., R.11 W., St. Stephens meridian, Stone County, at bridge on U.S. Highway 49, 0.5 mile (0.8 km) north of Perkinson, Miss.	218	1942-43, 1945-46, 1953-57, 1960, 1964, 1972	5-29-75	172
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	5-28-75 8-20-75	55.0 43.2
Biloxi River basin						
Biloxi River	Big Lake	Lat 30°42'33", 89°13'53", in SE¼ sec.7, T.4 S., R.12 W., St. Stephens meridian, Stone County, at bridge on county highway, 5.5 miles (8.8 km) west of McHenry, Miss.	--	--	5-29-75	8.81
Bayou Portage basin						
Bayou Portage	St. Louis Bay	Lat 30°20'31", long 89°14'42", in SE¼ sec.13, T.8 S., R.13 W., St. Stephens meridian, Harrison County, at mile 1.2, and 2.0 miles (3.2 km) southwest of Cuevas, Miss.	--	--	2-13-74 2-13-74 2-13-74 2-13-74 2-13-74 2-13-74 2-14-74 2-14-74	^a 129 ^a 205 ^a 159 ^a 161 ^a 223 ^a 140 ^a 136 ^a 40.4

Discharge measurements made at miscellaneous sites during water year 1975--Continued

Stream	Tributary to	Location	Drainage area (sq mi)	Measured previously (water years)	Measurements	
					Date	Discharge (cfs)
Bayou Portage basin--Continued						
Johnson Bayou	Bayou Portage	Lat 30°20'27", long 89°14'40", in SE¼ sec.13, T.8 S., R.13 W., St. Stephens meridian, Harrison County, at mouth, near Pass Christian, Miss.	--	--	2-13-74 2-13-74 2-13-74 2-13-74 2-14-74	^a -97.2 ^a -103 ^a -42.8 ^a 238 ^a 123 ^a 124
		Jourdan River basin				
Jourdan River	St. Louis Bay	Lat 30°21'54", long 89°24'05", in NW¼ sec.9, T.8 S., R.14 W., St. Stephens meridian, Hancock County, at Interstate 10, 4.0 miles (6.4 km) southeast of Kiln, Miss.	--	--	2-13-74 2-13-74 2-13-74 2-13-74 2-14-74 2-14-74 2-14-74	^a -775 ^a -2,000 ^a -2,960 ^a -815 ^a 4,770 ^a 2,470 ^a 2,590 ^a 0
Cutoff Bayou	Jourdan River	Lat 30°21'38", long 89°23'51", in SE¼ sec.9, T.8 S., R.14 W., St. Stephens meridian, Hancock County, at Jourdan River, 4.5 miles (7.2 km) southeast of Kiln, Miss.	--	--	2-13-74 2-13-74 2-13-74 2-13-74 2-14-74 2-14-74	^a -223 ^a -36 ^a -125 ^a 0 ^a 433 ^a 311 ^a 144
Bayou la Croix	Jourdan River	Lat 30°19'48", long 89°25'29", in SW¼ sec.20 and NW¼ sec.40, T.8 S., R.14 W., St. Stephens meridian, Hancock County, at State Highway 603, 4.0 miles (6.4 km) northwest of Waveland, Miss.	82.88	--	2-13-74 2-13-74 2-13-74 2-13-74 2-13-74 2-13-74 2-13-74 2-13-74 2-14-74 2-14-74 2-14-74 2-14-74	^a -248 ^a -553 ^a -598 ^a -595 ^a -408 ^a -215 ^a 0 ^a 616 ^a 1,270 ^a 1,400 ^a 823 ^a 908 ^a 709 ^a 0
Edwards Bayou	Watts Bayou	Lat 30°19'53", long 89°22'34", in E½ sec.22, T.8 S., R.14 W., St. Stephens meridian, Hancock County, at mouth, 2 miles (3.2 km) north of Waveland, Miss.	--	--	2-13-74 2-13-74 2-13-74 2-13-74 2-13-74 2-14-74 2-14-74 2-14-74	^a 0 ^a 0 ^a -54.4 ^a 0 ^a 0 ^a 21.9 ^a 24.4 ^a 10.7 ^a 0
Watts Bayou	Jourdan River	Lat 30°19'53", long 89°22'28", in SW¼ sec.37, T.8 S., R.14 W., St. Stephens meridian, Hancock County, at mouth, 2 miles (3.2 km) north of Waveland, Miss.	--	--	2-13-74 2-13-74 2-13-74 2-13-74 2-13-74 2-13-74 2-14-74 2-14-74	^a 0 ^a 0 ^a -134 ^a -84.3 ^a 0 ^a 0 ^a 6.51 ^a 5.19 ^a 14.4 ^a 0
Pearl River basin						
Yockanookany River	Pearl River	Lat 32°51'10", long 89°39'04", in NE¼ sec.35, T.12 N., R.6 E., Choctaw meridian, Leake County, on county road, 0.5 mile (0.8 km) southeast of Thomastown, Miss.	--	1962,	3-15-75	+16,600
Mill Creek	Pearl River	Lat 30°31'23", long 89°42'20", in S½ sec.16, T.6 S., R.17 W., St. Stephens meridian, Pearl River County, at bridge on Union Road, at Picayune, Miss.	--	10- 1-74		2.07
Mill Creek	Pearl River	Lat 30°30'35", long 89°42'20", in center of sec. 21, T.6 S., R.17 W., St. Stephens meridian, Pearl River County, at bridge on county road, 0.5 mile (0.8 km) southeast of Picayune, Miss.	--	--	10- 1-74	2.09

Discharge measurements made at miscellaneous sites during water year 1975 --Continued

Stream	Tributary to	Location	Drainage area (sq mi)	Measured previously (water years)	Measurements	
					Date	Discharge (cfs)
Pearl River basin--Continued						
Mill Creek	Pearl River	Lat 30°29'36", long 89°42'41", in sec.33, T.6 S., T.17 W., St. Stephens meridian, Pearl River County, at bridge on county highway, 2.0 miles (3.2 km) northwest of Nicholson, Miss.	--	--	9-30-74	^a 2.13
Hatchie River basin						
Tuscumbia River Canal	Hatchie River	Lat 34°52'59", long 88°33'55", in NE¼ sec.28, T.2 S., R.7 E., Chickasaw meridian, Alcorn County, at bridge on county road, 0.8 mile (1.3 km) west of U.S. Highway 45, and 4.0 miles (6.4 km) east of Kossuth, Miss.	--	--	8-19-75	58.1
Phillips Creek	Bridge Creek	Lat 34°55'50", long 88°29'41", on line between SE¼ sec.6 and NE¼ sec.7, T.2 S., R.8 E., Chickasaw meridian, Alcorn County, at bridge on county road, at Corinth, Miss.	--	--	8-19-75	.30
Bridge Creek	Tuscumbia River Canal	Lat 34°54'40", long 88°29'42", in NE¼ sec.18, T.2 S., R.8 E., Chickasaw meridian, Alcorn County, at bridge on Lee Highway (U.S. 72), 1.0 mile (1.6 km) south of Corinth, Miss.	--	--	8-19-75	2.47
Elam Creek	Bridge Creek	Lat 34°54'27", long 88°30'45", in NE¼ sec.13, T.2 S., R.7 E., Chickasaw meridian, Alcorn County, near mouth, 1.0 mile (1.6 km) south of Corinth, Miss.	--	--	8-19-75	1.69
Bridge Creek	Tuscumbia River Canal	Lat 34°53'48", long 88°31'25", on line between NE¼ sec.23 and NW¼ sec.24, T.2 S., R.7 E., Chickasaw meridian, Alcorn County, on county road, 2.0 miles (3.2 km) south of Corinth, Miss.	--	--	8-19-75	7.94
Bridge Creek	Tuscumbia River Canal	Lat 34°53'32", long 88°33'01", in S½ sec.22, T.2 S., R.7 S., Chickasaw meridian, Alcorn County, on county road at west side of U.S. Highway 45, 3.0 miles (4.8 km) southwest of Corinth, Miss.	--	--	8-19-75 8-20-75	11.9 9.16
Bridge Creek tributary	Bridge Creek	Lat 34°53'39", long 88°33'15", in NW¼ sec.22, T.2 S., R.7 S., Chickasaw meridian, Alcorn County, at county road, 2.9 miles (4.7 km) southwest of Corinth, Miss.	--	--	8-19-75	.15
Tuscumbia River Canal	Hatchie River	Lat 34°55'11", long 88°35'12", in SW¼ sec.8, T.2 S., R.7 E., Chickasaw meridian, Alcorn County, at bridge on State Highway 2, 3.3 miles (5.3 km) southwest of Corinth, Miss.	--	--	8-19-75 8-20-75	88.1 64.1
Tuscumbia River Canal	Hatchie River	Lat 34°56'46", long 88°36'42", in SW¼SW¼ sec.31, T.1 S., R.7 E., Chickasaw meridian, Alcorn County, at Smith Bridge on county highway, 4.5 miles (7.2 km) west of Corinth, Miss.	--	--	8-19-75	78.3
Horn Lake Creek basin						
Horn Lake Creek	Horn Lake	Lat 34°57'52", long 90°00'56", in S½ sec.26, T.1 S., R.8 W., Chickasaw meridian, DeSoto County, at U.S. Highway 51, at Horn Lake, Miss.	--	1953, 1955-56, 1958	10-09-74	2.37
Horn Lake Creek	Horn Lake	Lat 34°59'30", long 90°04'48", on line between SE¼ sec.18 and NE¼ sec.19, T.1 S., R.8 W., Chickasaw meridian, DeSoto County, at bridge on Stateline Road, 1.0 mile (1.6 km) east of Barnesville, Miss.	--	--	8-17-75	3.51
Yazoo River basin						
McIvor Drainage Canal	Little Tallahatchie River	Lat 34°20'24", long 90°02'30", on line between SE¼ sec.33 and NE¼ sec.4, T.8 S., R.8 W., Chickasaw meridian, Panola County, 5 miles (8 km) northwest of Batesville, Miss.	--	--	10-10-74	7.84

Discharge measurements made at miscellaneous sites during water year 1975--Continued

Stream	Tributary to	Location	Drainage area (sq mi)	Measured previously (water years)	Measurements	
					Date	Discharge (cfs)
Yazoo River basin--Continued						
Coldwater River	Tallahatchie River	Lat 34°50'27", long 89°49'32", in center of sec.10, T.3 S., R.6 W., Chickasaw meridian, DeSoto County, near left bank on upstream side of bridge on State Highway 305, 1.6 miles (2.6 km) south of Lewisburg and 4.0 miles (6.4 km) upstream from Pigeonroost Creek.	218	1943-53 [‡]	10- 8-74	54.6
Pigeonroost Creek	Coldwater River	Lat 34°49'49", long 89°49'20", in NW¼ sec.15, T.3 S., R.6 W., Chickasaw meridian, DeSoto County, near left bank on State Highway 305, 1.6 miles (2.6 km) upstream from mouth and 2.4 miles (3.9 km) south of Lewisburg, Miss.	228	1939-54 ^c , 1973	10- 9-74	87.3
Short Fork Creek	Coldwater River	Lat 34°48'46", long 89°54'36", north center of sec.23, T.3 S., R.6 W., Chickasaw meridian, DeSoto County, about 4 miles (6 km) east of Hernando, Miss.	14.2	1974	10- 8-74	0
Beartail Creek	Coldwater River	Lat 34°43'40", long 89°53'00", on line between secs.24 and 19, T.4 S., on line between R.6 W. and R.7 W., Chickasaw meridian, Tate County, at bridge on secondary road, 1.0 mile (1.6 km) south of Daniels Chapel and 6.1 miles (9.8 km) northeast of Coldwater, Miss.	33.2	1974	10- 7-74	*5.84
James Wolf Creek	Hickahala Creek	Lat 34°37'00", long 89°49'18", in SW¼ sec.27, T.5 S., R.6 W., Chickasaw meridian, Tate County, at State Highway 4, 1.5 miles (2.4 km) northeast of Looxahoma, Miss.	--	1970	10- 7-74	2.63
Basket Creek	Hickahala Creek	Lat 34°36'42", long 89°53'56", in NE¼NE¼NE¼ sec.35, T.5 S., R.7 W., Chickasaw meridian, Tate County, on State Highway 4, 3.6 miles (5.8 km) east of Senatobia, Miss.	--	1970	10- 8-74	0
Hickahala Creek	Arkabutla Lake	Lat 34°37'55", long 89°55'30", in S½ sec.22, T.5 S., R.7 W., Chickasaw meridian, Tate County, at bridge on secondary road, 2.0 miles (3.2 km) northeast of Senatobia, Miss.	121.8	1952, 1954-56, 1973-74	10- 8-74	*21.1
Hickahala Creek	Coldwater River	Lat 34°39'14", long 89°58'25", in NE¼ sec.18, T.5 S., R.8 W., Chickasaw meridian, Tate County, at U.S. Highway 51, 2.3 miles (3.7 km) south of Coldwater, Miss.	^b 210	1953, 1955-56, 1971	10- 8-74	31.1
Hurricane Creek	Coldwater River	Lat 34°49'50", long 90°05'30", in NW¼ sec.18, T.3 S., R.8 W., Chickasaw meridian, DeSoto County, at bridge on county road, 0.7 mile (1.1 km) west of Frees Corner, Miss.	--	1953, 1956	10- 9-74	0
Johnson Creek	Lake Cormorant	Lat 34°54'40", long 90°07'20", in center of sec. 14, T.2 S., R.9 W., Chickasaw meridian, DeSoto County, at county road, 3.6 miles (5.8 km) southeast of Walls, Miss.	--	--	10- 9-74	.54
Arkabutla Creek	Coldwater River	Lat 34°40'00", long 90°06'36", on line between NE¼ sec.11 and NW¼ sec.12, T.5 S., R.9 W., Chickasaw meridian, Tate County, at county road 4.0 miles (6.4 km) northeast of Strayhorn, Miss.	--	--	10- 8-74	5.55
Arkabutla Creek	Coldwater River	Lat 34°36'37", long 90°12'32", in NE¼ sec.36, T.5 S., R.10 W., Chickasaw meridian, Tate County, on State Highway 4, 2.0 miles (3.2 km) southeast of Savage, Miss.	--	--	10- 8-74	7.03
Strayhorn Creek	Coldwater River	Lat 34°36'12", long 90°12'20", in SE¼ sec.36, R.10 W., Chickasaw meridian, Tate County, on State Highway 3, 2.5 miles (4.0 km) southeast of Savage, Miss.	--	--	10- 8-74	.85
Indian Creek	South Lake	Lat 34°27'11", long 90°08'50", in NE¼ sec.28, T.7 S., R.9 W., Chickasaw meridian, Panola County, on county road, 3.0 miles (4.8 km) northwest of Pleasant Grove, Miss.	--	--	10-10-74	.042

Discharge measurements made at miscellaneous sites during water year 1975--Continued

Stream	Tributary to	Location	Drainage area (sq mi)	Measured previously (water years)	Measurements	
					Date	Discharge (cfs)
Yazoo River basin--Continued						
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	4-21-75 6- 3-75	8.70 4.68
Tillatoba Creek	Tallahatchie River	Lat 34°01'04", long 89°55'00", in SE¼ sec.19, T.25 N., on line between R.3 E and R.4 E., Choctaw meridian, Yalobusha County, at bridge on county highway, 3.0 miles (4.8 km) northwest of Tillatoba, Miss.	--	1973	4-21-75 6- 2-75	14.3 8.42
Davis Creek	South Fork Tillatoba Creek	Lat 33°56'00", long 89°52'58", in SE¼ sec.21, T.24 N., R.4 E., Choctaw meridian, Yalobusha County, at U.S. Highway 51, 1.5 miles (2.4 km) southwest of Scobey, Miss.	--	1973	4-21-75 6- 3-75	0.91 .50
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	11- 4-74 4-22-75 6- 3-75	5.10 4.42 2.77
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	4-22-75 6- 3-75	6.43 4.76
Simmons Creek	South Fork Tillatoba Creek	Lat 33°58'30", long 89°51'54", in S¼ 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	4-21-75 6- 3-75	5.29 1.75
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	4-21-75 6- 3-75	7.99 2.90
South Fork Tillatoba Creek	Tillatoba Creek	Lat 33°57'36", long 89°57'37", 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.	--	--	7-25-73 8-14-74 9-25-74 11- 6-74 4-22-75 6- 3-75	^a 5.45 ^a 6.12 ^a 4.56 11.6 15.9 11.0
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.	--	--	4-22-75 6- 3-75	51.3 30.5
Big Sunflower River	Yazoo River	Lat 32°48'53", long 90°43'05", in NW¼ sec.9, T.11 N., R.5 W., Choctaw meridian, on Sharkey-Yazoo County line, on downstream side of bridge at State Highway 16, at Holly Bluff, Miss.	2,771	--	6-11-75	13,900
Yazoo River	Mississippi River	Lat 32°29'16", long 90°49'00", in N¼ of Lot 4, T.17 N., R.4 E., Washington meridian, Warren County, 0.8 mile (1.3 km) northwest of Redwood, Miss.	--	1965-67, 1974	2-20-75	43,800
Steele Bayou	Yazoo River	Lat 32°43'18", long 91°00'45", in SW¼ sec.12, T.10 N., R.8 W., Choctaw meridian, Issaquena County, at Scotts Bridge, State Highway 1, 4.5 miles (7.2 km) west of Onward, Miss.	557	1954	6-11-75	7,460
St. Catherine Creek basin						
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.	--	--	9-16-75	6.02

‡ Operated as a continuous-record gaging station.

a Not previously published.

b Approximately.

c Operated as a crest-stage gage.

Measurements in Tennessee-Tombigbee Study Area, Mississippi

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	9-30-75	1.08
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.	0.47	1972, 1974	10- 6-74 9-30-75	.27 .46
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	10- 6-74 10-28-74 5-21-75 9- 5-75 9-30-75	.65 .77 6.57 .34 2.25
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	10- 6-74 10-28-74 5-21-75 9- 5-75 9-30-75	.92 1.32 8.54 .51 2.31
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 mile (1.1 km) east of Altitude, Miss.	11.3	1972, 1974	10- 5-74 10-28-74 5-21-75 9- 5-75 9-30-75	2.17 2.79 22.6 1.04 7.38
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	10- 6-74 10-28-74 5-21-75 9- 5-75 9-30-75	.20 .24 2.02 .16 .55
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	10- 6-74 10-28-74 5-21-75 9- 5-75 9-30-75	.22 .24 8.88 .20 1.68
02429925 Big Brown Creek	Mackeys Creek	Lat 34°30'31", long 88°26'04", on sec. line 35 and 2, T. line 6 and 7 S., R.8 E., Chickasaw meridian, Prentiss County, on State Highway 366, 2.0 miles (3.2 km) east of Marietta, Miss.	64.1	1972, 1974	10- 6-74	7.65
429933 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	10- 6-74 10-28-74 5-21-75 9- 5-75 9-30-75	.36 .41 2.64 .29 .81
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	10- 6-74 10-28-74 5-21-74 9- 5-75 9-30-75	2.01 2.27 7.39 1.56 2.99
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	10- 6-74 10-27-74 5-21-75 9- 5-75 9-30-75	3.30 3.64 13.1 2.65 5.18
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	10- 6-74 5-22-75 9- 5-75 10- 3-75	5.05 16.0 4.08 7.22
02429943 Little Brown Creek trib.	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.	.15	1972, 1974	10- 6-74	.04

Measurements in Tennessee-Tombigbee Study Area, Mississippi--Continued

Stream	Tributary to	Location	Drainage area (sq mi)	Measured previously (water years)	Measurements	
					Date	Discharge (cfs)
Mobile River basin--Continued						
02429947 Lacy Creek	Little Brown Creek	Lat 34°37'29", long 88°22'04", on sec. line 29-20, T.5 S., R.9 E., Chickasaw meridian, Prentiss County, on State Highway 30, 1.4 miles (2.3 km) east of New Hope, Miss.	2.82	1972, 1974	10- 6-74	0.30
02429956 Little Brown Creek tributary	Little Brown Creek	Lat 34°32'20", long 88°24'38", in S½ sec.24, T.6 S., R.8 E., Chickasaw meridian, Prentiss County, on county road, 1.6 miles (2.6 km) south of New Site, Miss.	.83	1972	10- 5-74	.29
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	10- 7-74 10-27-74 5-20-75 9- 8-75	.50 .49 2.14 .55
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	10-27-74 5-20-75 9-08-75	.09 .41 .10
02429972 Hurricane Creek	Mackeys Creek	Lat 34°40'16", long 88°18'08", in SE¼ sec.1, T.55, R.9 E., Chickasaw meridian, Tishomingo County, on county road, 2.3 miles (3.7 km) northwest of Paden, Miss.	.69	1972	10-27-74	.05
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	10-27-74	.14
02429975 Black Branch	Mackeys Creek	Lat 34°39'53", long 88°16'00", in N½ 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	10- 7-74 10-27-74 5-20-75 9- 8-75	1.05 1.10 2.77 1.24
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	10- 7-74 10-27-74 5-20-75 9- 8-75	2.99 2.96 8.38 3.51
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.	1.78	1972, 1974	10- 8-74 10-26-74 5-19-75 9- 4-75 9- 8-75	1.32 1.26 2.80 .62 1.36
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	10- 7-74 10-26-74 5-19-75 9- 4-75	2.98 3.12 8.79 2.81
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	10- 7-74 10-27-74 5-19-75 9- 8-75	.43 .41 .68 .36
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.	.19	1972, 1974	10- 7-74 10-26-74 5-22-75 9- 4-75	.26 .22 .42 .16
02429985 Sandy Hook Creek	Mackeys Creek	Lat 34°38'16", long 88°17'86", 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	10- 7-74 10-27-74 5-19-75 9- 4-75 9- 8-75	.67 .68 2.70 .53 .81
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	10-27-74	.30
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	10-27-74	.67

Measurements in Tennessee-Tombigbee Study Area, Mississippi--Continued

Stream	Tributary to	Location	Drainage area (sq mi)	Measured previously (water years)	Measurements	
					Date	Discharge (cfs)
Mobile River basin--Continued						
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	10- 8-74 5-22-75	1.77 4.58
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	10- 8-74 5-22-75	3.16 4.07
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	10- 8-74 5-22-75	1.24 2.15
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	10- 8-74 5-23-75	6.20 11.8
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	10- 8-74 5-28-75	1.21 1.60
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	1962-63 1972, 1974	10- 5-74	2.33
02430620 Mud Creek	Tombigbee River	Lat 34°22'41", long 88°23'31", in N¼ sec.19, T.8 S., R.9 E., Chickasaw meridian, Itawamba County, on county road, 5.5 miles (8.8 km) northwest of Fairview, Miss.	14.9	1972, 1974	10- 6-74	8.96
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	10- 5-74	7.24
02430900 Cummings Creek	Tombigbee River	Lat 34°16'57", long 88°24'31", in SE¼ sec.24, T.9 S., R.8 E., Chickasaw meridian, Itawamba County, at bridge on county road, 0.6 miles (1.0 km) north of Fulton, Miss.	25.4	1956-57, 1960, 1972, 1974	10- 5-74	18.2
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	10- 7-74	4.50
02431500 Tombigbee River	Mobile River	Lat 34°12'20", long 88°23'50", in SW¼ sec.18, T.10 S., R.9 E., Chickasaw meridian, Itawamba County, at county road bridge, 2 miles (3 km) downstream from Mantachie Creek, and 4.7 miles (7.6 km) south of Fulton, Miss.	706	1937-47, 1974	10- 5-74	159
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.	--	--	10- 5-74	8.11
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	10- 5-74	9.56
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	10- 5-74	4.35

Measurements in Tennessee-Tombigbee Study Area, Mississippi--Continued

Stream	Tributary to	Location	Drainage area (sq mi)	Measured previously (water years)	Measurements	
					Date	Discharge (cfs)
Mobile River basin--Continued						
02433490 Standifer Creek	Tombigbee River	Lat 34°02'06", long 88°27'57", in SE¼ sec.16, T.12 S., R.8 E., Chickasaw meridian, Monroe County, on county road, 3.3 miles (5.3 km) north of Amory, Miss.	--	--	10-22-74	1.62
Tennessee River basin						
03592537 Cripple Deer Creek tributary	Cripple Deer Creek	Lat 34°43'11", long 88°15'35", in NE¼ sec.20-21 line, T.4 S., R.10 E., Chickasaw meridian, Tishomingo County, on county road, 2.2 miles (3.5 km) southwest of Midway, Miss.	.93	1972, 1974	5-20-75 9- 4-75 9-29-75	.93 0 .03
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	10-26-74	.56
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	10-26-74 5-20-75	1.79 16.3
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	10-26-74 5-22-75 9- 4-75	1.52 5.93 1.13
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	10- 7-74 10-26-74 5-20-75 9- 4-75 9-29-75	1.21 1.20 9.54 .04 1.89
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	10- 7-74 10-26-74 5-20-75 9- 4-75 9-29-75	1.14 1.41 5.30 .39 1.64
03592646 Yellow Creek	Tennessee River	Lat 34°41'36", long 88°21'06", in NE¼ sec.33, T.4 S., R.9 E., Chickasaw meridian, Prentiss County, on county road, 2.3 miles (3.7 km) south of Cairo, Miss.	.34	1972	10-25-74	0
Dead Man Branch	Yellow Creek	Lat 34°42'00", long 88° 21'02", in SE¼ sec.28, T.4 S., R.9 E., Chickasaw meridian, Prentiss County, on State Highway 365, 1.9 miles (3.1 km) south of Cairo, Miss.	.89	1972	10-25-74	.01
Dead Man Branch tributary	Dead Man Branch	Lat 34°41'41", long 88°21'10", in NE¼ sec.33, T.4 S., R.9 E., Chickasaw meridian, Prentiss County, on State Highway 365, 2.2 miles (3.5 km) south of Cairo, Miss.	.13	1972	10-25-74	0
Yellow Creek tributary	Yellow Creek	Lat 34°41'37", long 88°20'03", in NE¼ sec.34, T.4 S., R.9 E., Chickasaw meridian, Prentiss County, on county road, 2.4 miles (3.9 km) south of Cairo, Miss.	.51	1972	10-25-74	0
Yellow Creek tributary No. 1	Yellow Creek	Lat 34°42'20", long 88°19'44", in NW¼ sec.26, T.4 S., R.9 E., Chickasaw meridian, Tishomingo County, on county road, 1.8 miles (2.9 km) south southeast of Cairo, Miss.	1.26	1972	10-25-74	0
Tributary of Yellow Creek tributary No. 1	Yellow Creek tributary No. 1	Lat 34°42'55", long 88°19'05", in SE¼ sec.23, T.4 S., R.9 E., Chickasaw meridian, Tishomingo County, on county road, 1.9 miles (3.1 km) east southeast of Cairo, Miss.	.32	1972	10-25-74	0
03592647 Yellow Creek	Tennessee River	Lat 34°43'35", long 88°20'28", in S¼ sec.15, T.4 S., R.9 E., Chickasaw meridian, Prentiss County, on State Highway 364, 0.4 mile (0.6 km) east of Cairo, Miss.	7.69	1972	10-25-74 5-20-75	0 11.8
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	10-25-74	.04

Measurements in Tennessee-Tombigbee Study Area, Mississippi--Continued

Stream	Tributary to	Location	Drainage area (sq mi)	Measured previously (water years)	Measurements	
					Date	Discharge (cfs)
Tennessee River basin--Continued						
03592654 Clausel Creek tributary	Clausel Creek	Lat 34°44'10", long 88°21'06", in NE¼ sec.16, T.4 S., R.9 E., Chickasaw meridian, Prentiss County, on State Highway 365, 0.7 mile (1.1 km) north northwest of Cairo, Miss.	2.54	1972	10-25-74	0.19
03592662 Tributary of Yellow Creek tributary No. 2	Yellow Creek tributary No. 2	Lat 34°44'07", long 88°18'16", in N½ sec.13, T.4 S., R.9 E., Chickasaw meridian, Tishomingo County, on county road, 0.6 mile (1.0 km) north of Holcut, Miss.	.95	1972	10-26-74 5-21-75	.02 .80
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	10- 7-74 10-26-74 5-21-75 9- 4-75 9-29-75	.23 .19 1.13 .17 .31
03592664 Tributary No. 1 of Yellow Creek tributary No. 2	Yellow Creek tributary No. 2	Lat 34°43'47", long 88°19'06", in SE¼ sec.14, T.4 S., R.9 E., Chickasaw meridian, Tishomingo County, on county road, 0.7 mile (1.1 km) west of Holcut, Miss.	.16	1972	10-26-74	0
03592665 Tributary No. 2 of Yellow Creek tributary No. 2	Yellow Creek tributary No. 2	Lat 34°44'18", long 88°19'14", in NE¼ sec.14, T.4 S., R.9 E., Chickasaw meridian, Tishomingo County, on county road, 1.0 mile (1.6 km) northwest of Holcut, Miss.	.21	1972	10-26-74	0
03592666 Tributary No. 3 of Yellow Creek tributary No. 2	Yellow Creek tributary No. 2	Lat 34°45'01", long 88°18'43", in NW¼ sec.12, T.4 S., R.9 E., Chickasaw meridian, Tishomingo County, on county road, 1.5 miles (2.4 km) north of Holcut, Miss.	.55	1972	10-25-74	.05
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	10-25-74	.04
Pigeon Roost Branch tributary No. 1	Pigeon Roost Branch	Lat 34°45'17", long 88°21'06", in NE¼ sec.9, T.4 S., R.9 E., Chickasaw meridian, Prentiss County, on State Highway 365, 1.4 miles (2.5 km) southwest of Holts Spur, Miss.	.66	1972	10-25-74	.02
03592669 Yellow Creek tributary No. 3	Yellow Creek	Lat 34°45'25", long 88°19'26", in SW¼ sec.2, T.4 S., R.9 E., Chickasaw meridian, Tishomingo County, on county road, 1.4 miles (2.3 km) southeast of Holts Spur, Miss.	.71	1972	10-25-74	.06
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	10- 6-74 10-25-74 5-22-75 9- 4-75 9-28-75	1.38 1.56 13.8 .19 3.51
03592710 Little Yellow Creek	Yellow Creek	Lat 34°49'07", long 88°16'55", in SE¼ sec.18, T.3 S., R.10 E., Chickasaw meridian, Tishomingo County, on U.S. Highway 72, 2.7 miles (2.7 km) southeast of Burnsville, Miss.	11.9	1972, 1974	10- 7-74 5-22-75 9- 4-75 9-29-75	3.03 12.5 2.40 4.60

WATER-QUALITY RECORDS

EASTERN GULF OF MEXICO BASINS

MOBILE RIVER BASIN

02430000 MACKEYS CREEK NEAR DENNIS, MISS.

LOCATION.--Lat 34°31'34", long 88°19'22", in NE¼SW¼ sec.26, T.6 S., R.9 E., Chickasaw meridian, Tishomingo County, at gaging station at old crossing 0.1 mile (0.2 km) downstream from bridge on State Highway 4, at Narrows dam site, 6 miles (9.7 km) southwest of Dennis, and 10 miles (16.1 km) upstream from confluence with Big Brown Creek.

DRAINAGE AREA.--66.8 mi² (173 km²).

PERIOD OF RECORD.--Chemical analyses: October 1973 to September 1975.

WATER QUALITY DATA: WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTA- TION- TIME CROSS- (CFS)	ALCALI- NITY C-03 (MG/L)	CALCI- UM C-03 (MG/L)	MAGNE- SIUM C-03 (MG/L)	SULFATE C-03 (MG/L)	CHLORIDE C-03 (MG/L)	TOTAL C-03 (MG/L)	TOTAL C-03 (MG/L)	TOTAL C-03 (MG/L)	TOTAL C-03 (MG/L)	TOTAL C-03 (MG/L)	TOTAL C-03 (MG/L)
10/1	1100	14	13	0	11	2.5	3.2	.05	.00	.05	.12	.09	
10/2	1130	14	12	0	10	--	--	.01	.00	.01	.00	.26	
10/3	1420	14	13	0	11	2.5	3.2	.00	.00	.00	.00	.20	
10/4	1415	13	11	0	9	--	--	.04	.00	.04	.01	.10	
10/5	1330	13	11	0	9	4.2	2.6	.07	.00	.07	.01	.18	
10/6	1330	120	5	0	5	--	--	.11	.01	.12	.08	.30	
10/7	1030	10	10	--	7	4.7	1.5	.05	.01	.07	.02	.00	
10/8	1000	120	8	--	7	--	--	.09	.00	.09	.02	.21	
10/9	1300	107	5	--	5	4.1	1.4	.09	.00	.09	.02	.11	
10/10	1030	200	10	--	8	--	--	.09	.01	.10	.04	.36	
10/11	1145	420	5	--	5	3.9	1.5	.07	.00	.07	.03	.33	
10/12	1115	100	11	--	9	--	--	.07	.01	.08	.02	.16	
10/13	1230	220	7	--	5	5.1	.5	.08	.01	.09	.03	.08	
10/14	1100	250	5	0	5	--	--	.03	.01	.04	.02	.26	
10/15	1130	140	11	0	9	2.8	1.7	.03	.00	.03	.00	.16	
10/16	1100	260	13	0	11	--	--	.05	.01	.07	.04	.38	
10/17	1100	130	11	0	9	2.9	1.4	.11	.01	.12	.04	.24	
10/18	1700	134	12	0	10	--	--	.10	.00	.10	.04	.34	
10/19	1600	146	14	0	11	--	--	.07	.01	.08	.03	.70	
10/20	1030	82	14	0	11	--	--	.11	.00	.11	.02	.21	
10/21	1330	57	22	0	15	4.5	1.7	.09	.01	.10	.01	.41	
10/22	1300	240	20	0	15	4.2	1.7	.05	.01	.06	.01	.48	
10/23	1415	60	20	0	15	1.8	1.2	.03	.00	.03	.01	.05	
10/24	1210	140	14	0	11	--	--	.07	.01	.08	.03	.70	
10/25	1030	82	14	0	11	--	--	.11	.00	.11	.02	.21	
10/26	1330	57	22	0	15	4.5	1.7	.09	.01	.10	.01	.41	
10/27	1300	240	20	0	15	4.2	1.7	.05	.01	.06	.01	.48	
10/28	1415	60	20	0	15	1.8	1.2	.03	.00	.03	.01	.05	
10/29	1210	140	14	0	11	--	--	.07	.01	.08	.03	.70	
10/30	1030	82	14	0	11	--	--	.11	.00	.11	.02	.21	
10/31	1330	57	22	0	15	4.5	1.7	.09	.01	.10	.01	.41	
10/32	1300	240	20	0	15	4.2	1.7	.05	.01	.06	.01	.48	
10/33	1415	60	20	0	15	1.8	1.2	.03	.00	.03	.01	.05	
10/34	1210	140	14	0	11	--	--	.07	.01	.08	.03	.70	
10/35	1030	82	14	0	11	--	--	.11	.00	.11	.02	.21	
10/36	1330	57	22	0	15	4.5	1.7	.09	.01	.10	.01	.41	
10/37	1300	240	20	0	15	4.2	1.7	.05	.01	.06	.01	.48	
10/38	1415	60	20	0	15	1.8	1.2	.03	.00	.03	.01	.05	
10/39	1210	140	14	0	11	--	--	.07	.01	.08	.03	.70	
10/40	1030	82	14	0	11	--	--	.11	.00	.11	.02	.21	
10/41	1330	57	22	0	15	4.5	1.7	.09	.01	.10	.01	.41	
10/42	1300	240	20	0	15	4.2	1.7	.05	.01	.06	.01	.48	
10/43	1415	60	20	0	15	1.8	1.2	.03	.00	.03	.01	.05	
10/44	1210	140	14	0	11	--	--	.07	.01	.08	.03	.70	
10/45	1030	82	14	0	11	--	--	.11	.00	.11	.02	.21	
10/46	1330	57	22	0	15	4.5	1.7	.09	.01	.10	.01	.41	
10/47	1300	240	20	0	15	4.2	1.7	.05	.01	.06	.01	.48	
10/48	1415	60	20	0	15	1.8	1.2	.03	.00	.03	.01	.05	
10/49	1210	140	14	0	11	--	--	.07	.01	.08	.03	.70	
10/50	1030	82	14	0	11	--	--	.11	.00	.11	.02	.21	
10/51	1330	57	22	0	15	4.5	1.7	.09	.01	.10	.01	.41	
10/52	1300	240	20	0	15	4.2	1.7	.05	.01	.06	.01	.48	
10/53	1415	60	20	0	15	1.8	1.2	.03	.00	.03	.01	.05	
10/54	1210	140	14	0	11	--	--	.07	.01	.08	.03	.70	
10/55	1030	82	14	0	11	--	--	.11	.00	.11	.02	.21	
10/56	1330	57	22	0	15	4.5	1.7	.09	.01	.10	.01	.41	
10/57	1300	240	20	0	15	4.2	1.7	.05	.01	.06	.01	.48	
10/58	1415	60	20	0	15	1.8	1.2	.03	.00	.03	.01	.05	
10/59	1210	140	14	0	11	--	--	.07	.01	.08	.03	.70	
10/60	1030	82	14	0	11	--	--	.11	.00	.11	.02	.21	
10/61	1330	57	22	0	15	4.5	1.7	.09	.01	.10	.01	.41	
10/62	1300	240	20	0	15	4.2	1.7	.05	.01	.06	.01	.48	
10/63	1415	60	20	0	15	1.8	1.2	.03	.00	.03	.01	.05	
10/64	1210	140	14	0	11	--	--	.07	.01	.08	.03	.70	
10/65	1030	82	14	0	11	--	--	.11	.00	.11	.02	.21	
10/66	1330	57	22	0	15	4.5	1.7	.09	.01	.10	.01	.41	
10/67	1300	240	20	0	15	4.2	1.7	.05	.01	.06	.01	.48	
10/68	1415	60	20	0	15	1.8	1.2	.03	.00	.03	.01	.05	
10/69	1210	140	14	0	11	--	--	.07	.01	.08	.03	.70	
10/70	1030	82	14	0	11	--	--	.11	.00	.11	.02	.21	
10/71	1330	57	22	0	15	4.5	1.7	.09	.01	.10	.01	.41	
10/72	1300	240	20	0	15	4.2	1.7	.05	.01	.06	.01	.48	
10/73	1415	60	20	0	15	1.8	1.2	.03	.00	.03	.01	.05	
10/74	1210	140	14	0	11	--	--	.07	.01	.08	.03	.70	
10/75	1030	82	14	0	11	--	--	.11	.00	.11	.02	.21	
10/76	1330	57	22	0	15	4.5	1.7	.09	.01	.10	.01	.41	
10/77	1300	240	20	0	15	4.2	1.7	.05	.01	.06	.01	.48	
10/78	1415	60	20	0	15	1.8	1.2	.03	.00	.03	.01	.05	
10/79	1210	140	14	0	11	--	--	.07	.01	.08	.03	.70	
10/80	1030	82	14	0	11	--	--	.11	.00	.11	.02	.21	
10/81	1330	57	22	0	15	4.5	1.7	.09	.01	.10	.01	.41	
10/82	1300	240	20	0	15	4.2	1.7	.05	.01	.06	.01	.48	
10/83	1415	60	20	0	15	1.8	1.2	.03	.00	.03	.01	.05	
10/84	1210	140	14	0	11	--	--	.07	.01	.08	.03	.70	
10/85	1030	82	14	0	11	--	--	.11	.00	.11	.02	.21	
10/86	1330	57	22	0	15	4.5	1.7	.09	.01	.10	.01	.41	
10/87	1300	240	20	0	15	4.2	1.7	.05	.01	.06	.01	.48	
10/88	1415	60	20	0	15	1.8	1.2	.03	.00	.03	.01	.05	
10/89	1210	140	14	0	11	--	--	.07	.01	.08	.03	.70	
10/90	1030	82	14	0	11	--	--	.11	.00	.11	.02	.21	
10/91	1330	57	22	0	15	4.5	1.7	.09	.01	.10	.01	.41	
10/92	1300	240	20	0	15	4.2	1.7	.05	.01	.06	.01	.48	
10/93	1415	60	20	0	15	1.8	1.2	.03	.00	.03	.01	.05	
10/94	1210	140	14	0	11	--	--	.07	.01	.08	.03	.70	
10/95	1030	82	14	0	11	--	--	.11	.00	.11	.02	.21	
10/96	1330	57	22	0	15	4.5	1.7	.09	.01	.10	.01	.41	
10/97	1300	240	20	0	15	4.2	1.7	.05	.01	.06	.01	.48	
10/98	1415	60	20	0	15	1.8	1.2	.03	.00	.03	.01	.05	
10/99	1210	140	14	0	11	--	--	.07	.01	.08	.03	.70	
10/100	1030	82	14	0	11	--	--	.11	.00	.11	.02	.21	

02430000 - MACKEYS CREEK NEAR DENNIS, MISS.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	SOP- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COALT UNITS)	TUR- BID- IDY (JTU)	DIS- SOLVED OXYGEN (MG/L)	CHEM- ICAL OXYGEN DEMAND (HTG- LEVEL) (MG/L)	CHEM- ICAL OXYGEN DEMAND (HTG- LEVEL) (MG/L)	HTO- CHEM- ICAL OXYGEN DEMAND (HTG- LEVEL) (MG/L)
OCT.									
01...	34	6.2	16.0	60	--	9.2	12	2.7	--
22...	36	6.4	11.0	50	--	9.1	5	1.9	3.0
29...	37	6.2	17.0	50	--	9.4	5	1.9	2.5
NOV.									
11...	34	6.4	13.0	50	--	9.9	12	1.9	3.3
26...	34	6.2	6.0	50	--	11.8	10	2.2	4.2
DEC.									
09...	39	6.9	5.5	70	--	11.2	10	2.4	4.1
23...	39	6.5	7.5	30	--	11.0	12	2.0	3.5
JAN.									
07...	36	6.3	6.5	30	--	10.9	10	--	--
22...	34	6.9	4.0	50	--	11.2	5	2.4	3.9
FEB.									
04...	40	6.3	9.0	90	--	10.2	20	2.1	4.0
15...	30	6.3	9.5	100	--	9.8	12	2.1	4.3
MAR.									
05...	36	6.0	5.5	40	--	11.8	5	1.5	3.4
18...	33	5.7	11.0	60	--	10.2	4	1.7	3.4
APR.									
03...	33	5.4	11.5	100	--	9.4	12	2.5	4.1
17...	34	6.0	15.5	50	--	9.0	4	2.4	4.1
29...	40	6.0	18.0	75	--	7.8	12	3.1	5.5
MAY									
13...	34	6.0	19.0	35	--	9.3	10	2.5	4.6
29...	30	6.5	22.0	35	--	7.5	10	1.9	3.7
JUNE									
10...	32	6.1	21.0	110	--	7.0	5	2.2	4.5
25...	42	6.2	21.5	40	--	9.0	11	2.0	4.1
JULY									
09...	34	5.9	23.0	110	25	7.4	15	1.1	--
AUG.									
05...	32	5.8	21.5	200	--	7.2	35	2.2	--
SEP.									
03...	33	6.7	23.5	50	--	7.1	5	1.5	--

DATE	CARRON NITROIDE (MG/L)	TEMP- DATE COLT- FORM (COL- PER 100 ML)	FECAL COLI- FORM (COL- PER 100 ML)	STREP- TOCOCCT (COL- CNFS PER 100 ML)	TOTAL ORGANIC CARBON (MG/L)	PHENOLS (MG/L)	TOTAL AMPHENIC (MG/L)	TOTAL AMPHENIC (MG/L)	TOTAL NITRO- NITRO (MG/L)
OCT.									
01...	13	--	--	--	31	0	--	1.0	--
22...	7.5	--	--	--	3.0	--	--	--	--
29...	13	--	--	--	2.9	0	1	1.3	--
NOV.									
11...	7.0	--	164	--	3.9	--	--	--	--
26...	11	--	--	--	4.5	5	--	1.0	--
DEC.									
09...	12	--	--	--	4.1	--	--	--	--
23...	5.1	1100	15	--	1.8	0	--	17	--
JAN.									
07...	6.4	7100	33	--	5.1	--	--	--	--
22...	12	--	--	--	1.9	0	--	1.1	--
FEB.									
04...	8.0	5500	860	--	4.8	--	--	--	--
19...	49	1700	1266	--	4.0	0	--	1.0	--
MAR.									
05...	12	--	--	--	2.7	--	--	--	--
18...	22	1100	840	--	2.1	1	--	1.1	--
APR.									
03...	32	1200	1040	--	9.7	--	--	--	--
17...	12	--	--	--	3.0	0	1	1.0	--
29...	21	3166	1600	2230	10	--	--	--	--
MAY									
13...	12	--	3500	--	3.1	1	--	1.0	--
29...	48	--	2200	--	8.2	--	--	--	--
JUNE									
10...	12	133	--	--	9.4	--	--	--	--
25...	14	--	--	--	--	--	--	--	--
JULY									
09...	44	1320	840	--	3.4	0	0	1.4	0
AUG.									
05...	51	7300	2300	--	--	--	--	1.4	--
SEP.									
03...	6.4	1320	0	--	4.0	--	--	1.1	--

02430000 - MACKEYS CREEK NEAR DENNIS, MISS.--CONTINUED

SPECTROGRAPHIC ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TOTAL IRON (FE) (UG/L)	TOTAL MANG- NESEF (MN) (UG/L)	DISE- SOLVED CAL- CIUM (CA) (MG/L)	TOTAL MANG- NEF- SIUM (MG) (MG/L)	DISE- SOLVED MANG- NEF- SIUM (MG) (MG/L)	TOTAL CAD- MIUM (CU) (UG/L)	TOTAL CHRO- MIUM (CR) (UG/L)	HEXAL- VALENT CHRO- MIUM (CR6) (UG/L)	TOTAL CHRO- MIUM (CU) (UG/L)	TOTAL LEAD (Pb) (UG/L)	TOTAL ZINC (ZN) (UG/L)
OCT.											
01...	--	--	3.4	--	.6	--	--	--	--	--	--
22...	--	--	3.1	--	.7	--	--	--	--	--	--
23...	1600	75	5.9	--	.7	0	<10	--	2	2	30
NOV.											
11...	--	--	5.9	--	.4	--	--	--	--	--	--
25...	--	--	4.0	--	1.0	--	--	--	--	--	--
DEC.											
03...	--	--	3.2	--	.9	--	--	--	--	--	--
23...	--	--	5.3	--	12	--	--	--	--	--	--
JAN.											
07...	--	--	3.5	--	1.2	--	--	--	--	--	--
22...	--	--	5.0	--	.9	--	--	--	--	--	--
FEB.											
04...	--	--	3.3	--	1.0	--	--	--	--	--	--
14...	--	--	1.3	--	.4	--	--	--	--	--	--
MAR.											
05...	--	--	5.5	--	1.1	--	--	--	--	--	--
15...	--	--	1.9	--	.8	--	--	--	--	--	--
APR.											
04...	--	--	1.2	--	.8	--	--	--	--	--	--
17...	1500	120	3.1	--	1.1	0	<10	--	2	3	40
27...	--	--	3.2	--	1.1	--	--	--	--	--	--
MAY											
13...	--	--	2.1	--	.9	--	--	--	--	--	--
29...	--	--	1.4	--	.4	--	--	--	--	--	--
JUNE											
10...	--	--	2.2	--	.4	--	--	--	--	--	--
25...	--	--	1.6	--	1.1	--	--	--	--	--	--
JULY											
09...	2200	190	24	1.3	1.4	0	20	0	2	4	50
AUG.											
05...	--	--	2.4	--	.4	--	--	--	--	--	--
SEP.											
03...	--	--	3.3	--	1.0	--	--	--	--	--	--

PH (UNITS), WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

[illegible]

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

[illegible]

PASCAGOULA RIVER BASIN

02473260 LEAF RIVER NEAR PALMER, MISS.

LOCATION.--Lat 31°15'40", long 89°13'35", in SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.32, T.4 N., R.24 E., St. Stephens meridian, Forrest County, on county road, 3 miles (4.8 km) east of Palmer.

DRAINAGE AREA.--1,820 mi² (4,710 km²).

PERIOD OF RECORD.--Chemical analyses: November 1970 to June 1975 (discontinued).

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTAN- TANEOUS DIS- CHARGE (CFS)	BICARB- ONATE (MG/L)	CAR- BONATE (MG/L)	ALKA- LINIT AS CACO ₃ (MG/L)	DIS- SOLVED SULFATE (SO ₄) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)
OCT.											
22...	1400	880	0	0	0	5.5	12	.24	.21	.34	.55
NOV.											
24...	1030	1540	--	--	--	--	--	.19	.32	.22	.54
DEC.											
17...	1030	2950	--	--	--	--	--	.15	.09	.49	.58
JAN.											
23...	1430	3100	11	--	9	6.0	5.6	.19	.24	.44	.63
FEB.											
20...	0900	4700	--	--	--	--	--	.04	.09	.62	.71
MAR.											
01...	1430	2550	16	0	13	4.1	7.4	.20	.15	.49	.64
APR.											
05...	1530	4710	--	--	--	--	--	.12	.08	.56	.64
MAY											
09...	1100	1500	--	--	--	--	--	.27	.05	.62	.67

DATE	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOLVED SULFUS (RESI- DUE AT 150 C) (MG/L)	TOTAL FILT- RABLE RESIDUE (MG/L)	DIS- SOLVED SULFUS (TONS PER AC-FT)	DIS- SOLVED SULFUS (TONS PER DAY)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	HARD- NESS (CA+MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)
OCT.										
22...	.79	3.5	.15	50	52	.04	133	24	12	12
NOV.										
24...	.72	3.2	.13	34	--	.05	158	--	--	--
DEC.										
17...	.73	3.2	.08	43	--	.05	343	--	--	--
JAN.										
23...	.47	3.5	.06	27	--	.04	226	--	18	9
FEB.										
21...	.75	3.3	.09	46	--	.05	708	--	--	--
MAR.										
01...	.46	3.7	.10	46	--	.05	441	--	17	4
APR.										
05...	.76	3.4	.05	54	--	.07	1270	--	--	--
MAY										
09...	.44	4.2	.09	50	--	.04	227	--	--	--

DATE	SEC- CHLOR FORM NITRO- GENE (NITRO- GENS)	PH (UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- CO-ALT UNITS)	TUR- BID- ITY (JTU)	DIS- SOLVED OXYGEN (MG/L)	CHLOR- OXYGEN DEMAND (HIGH- LEVEL) (MG/L)	CARBON DIOXIDE (CO ₂) (MG/L)	FECAL COLI- FORM (COL. PER 100 ML)	STREP- TOCOCO (COL- UNITES PER 100 ML)	TOTAL ORGANIC CARBON (C) (MG/L)
OCT.											
22...	70	5.4	12.0	7	20	5.2	17	.0	43000	825	12
NOV.											
24...	60	5.5	12.0	--	20	4.1	15	--	--	--	5.4
DEC.											
17...	51	5.5	4.7	--	30	10.2	15	--	43100	900	6.5
JAN.											
23...	54	5.4	10.4	70	20	4.8	10	22	41050	250	5.3
FEB.											
21...	280	5.4	15.0	--	00	10.4	33	--	700	150	14
MAR.											
01...	50	5.5	17.1	74	25	4.7	15	4.1	476000	640	7.4
APR.											
05...	45	5.7	21.0	--	35	7.7	22	--	474	441	8.9
MAY											
09...	55	5.4	25.0	--	2	7.7	18	--	430	540	6.0

02473260 - LEAF RIVER NEAR PALMER, MISS.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	TOTAL ARSENIC (AS) (UG/L)	TOTAL ARSENIC IN BOTTOM MA- TERIAL (UG/G)	TOTAL MERCURY (HG) (UG/L)	TOTAL MERCURY IN BOTTOM MA- TERIAL (UG/G)	TOTAL NITRO- GEN (SG) (UG/L)	TOTAL NITRO- GEN IN BOTTOM MA- TERIAL (UG/G)	SUS- PENDED SOLIDS (MG/L)	SUS- PENDED SOLIDS (T/DAY)
OCT. 22...	0	1	1	1	.0	.1	0	0	33	74
NOV. 28...	--	--	--	--	--	--	--	--	30	125
DEC. 17...	--	--	--	--	--	--	--	--	50	342
JAN. 23...	4	0	1	--	.0	--	0	--	47	343
FEB. 20...	--	--	--	--	--	--	--	--	190	2920
APR. 01...	6	16	1	--	.0	--	0	--	--	--
MAY 05...	--	--	--	--	--	--	--	--	--	--
JUNE 04...	--	--	--	--	--	--	--	--	34	134

SPECTROGRAPHIC ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	DIS- SOLVED SILICA (SiO2) (MG/L)	TOTAL IRON (FE) (UG/L)	TOTAL IRON IN BOTTOM MA- TERIAL (UG/G)	TOTAL MANGA- NESE IN BOTTOM MA- TERIAL (UG/G)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	TOTAL MAG- NE- SIUM (MG) (MG/L)	SUS- PENDED MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	TOTAL CAD- MIUM (CD) (UG/L)	TOTAL CADMIUM IN BOTTOM MA- TERIAL (UG/G)
OCT. 22...	10	1100	1000	150	3.3	.9	.0	1.0	0	<10
JAN. 23...	11	1500	--	110	5.5	--	--	1.0	0	--
APR. 01...	8.4	2600	--	150	5.4	--	--	.9	0	--

DATE	TOTAL COPPER IN BOTTOM MA- TERIAL (UG/L)	TOTAL COPPER 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 LEAD IN BOTTOM MA- TERIAL (UG/L)	TOTAL LEAD IN BOTTOM MA- TERIAL (UG/G)	TOTAL ZINC IN BOTTOM MA- TERIAL (UG/L)	TOTAL ZINC IN BOTTOM MA- TERIAL (UG/G)
OCT. 22...	0	<10	1	<10	4	<10	0	<10	110	<10
JAN. 23...	20	--	0	--	100	--	13	--	10	--
APR. 01...	<10	--	0	--	1	--	5	--	4	--

PASCAGOULA RIVER BASIN

02473260 - LEAF RIVER NEAR PALMER, MISS.--CONTINUED

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

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 DDO (UG/L)	DDO 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 DIT- AZINON (UG/L)
OCT. 22...	.00	.0	.0	1	.00	3.5	.00	.0	.00	.0	.00
JAN. 23...	.00	--	.0	--	.00	--	.00	--	.00	--	.00
APR. 01...	.00	--	.0	--	.00	--	.00	--	.00	--	.00

DATE	TOTAL DIT- AZINON (UG/KG)	DIT- AZINON IN BOTTOM MA- TERIAL (UG/L)	TOTAL DIT- FLORIN (UG/L)	DIT- FLORIN 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)
OCT. 22...	.0	.00	.9	.00	.0	.00	.0	.00	.0	.00	.2
JAN. 23...	--	.00	--	.00	--	.00	--	.00	--	.00	--
APR. 01...	--	.00	--	.00	--	.00	--	.00	--	.00	--

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 METHYL PARA- THION (UG/L)	METHYL PARA- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL METHYL TRI- THION (UG/L)	METHYL TRI- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL PAPA- THION (UG/L)	PAPA- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL PCB (UG/L)
OCT. 22...	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0	.0
JAN. 23...	.00	--	.00	--	.00	--	.00	--	.00	--	.0
APR. 01...	.00	--	.00	--	.00	--	.00	--	.00	--	.0

DATE	TOTAL DCE (UG/KG)	DCE IN BOTTOM MA- TERIAL (UG/L)	TOTAL TOX- BENZENE (UG/L)	TOX- BENZENE 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)
OCT. 22...	12	0	0	.00	.0	.00	0	.00	0	.00	0
JAN. 23...	--	0	--	.00	--	.00	--	.00	--	.00	--
APR. 01...	--	0	--	.00	--	.02	--	.00	--	.00	--

PHOTOCHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

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-290 /Y90 (PC/L)	SUS- PENDED GROSS BETA AS AS-290 /Y90 (PC/L)
OCT. 22...	<.1	1.9	2.9	1.5	2.3	1.3

02473260 - LEAF RIVER NEAR PALMER, MISS.--CONTINUED

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	85	70	80	70								
2	85	70	80	80								
3	70	70	80	80								
4	70	70	80	80								
5	80	70	80	80								
6	80	80	80	75								
7	90	80	75	70								
8	90	85	75	70								
9	90	90	80	75								
10	85	85	80	70								
11	90	85	75	70								
12	95	90	70	60								
13	90	80	60	60								
14	85	80	70	60								
15	100	80	75	70								
16	105	85	75	75								
17	80	80	75	70								
18	105	80	70	55								
19	100	85	65	55								
20	90	85	70	60								
21	90	85	60	55								
22	90	85	60	60								
23	90	90	80	60								
24	90	85	80	70								
25	95	85	70	70								
26	95	90	70	70								
27	90	90	70	70								
28	90	90	---	---								
29	90	80	---	---								
30	90	70	---	---								
31	70	70	---	---								
MONTH	105	70	80	55								

LOCATION.--Lat 30°58'40", long 88°43'35", in SW¼ sec.18, T.5S., R.7 W., St. Stephens meridian, George County, at gaging station at bridge on highway between Merrill and Avera, 0.5 mile (0.8 km) downstream from confluence of Leaf and Chickasawhay Rivers, 0.5 mile (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.--Chemical analyses: April 1970 to September 1972.

Specific conductance: April 1970 to September 1975.

EXTREMES, 1974-75.--Specific conductance: Maximum, 200 micromhos Aug. 20; minimum, 40 micromhos Apr. 15-16, May 9-12, Aug. 3.

EXTREMES, 1971-75.--Specific conductance: Maximum, 260 micromhos Dec. 23-24, 1971; minimum, 40 micromhos Apr. 14-19, Sep. 9, 1974, Apr. 15-16, May 9-12, Aug. 3, 1975.

OCTOBER			NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1			---	---	110	100	60	60	70	70	60	55
2			---	---	100	100	70	60	80	80	60	50
3			---	---	100	100	70	65	90	80	55	50
4			---	---	110	100	70	65	90	90	55	50
5			---	---	110	110	75	70	95	90	60	50
6			---	---	110	110	75	75	95	95	65	50
7			130	130	110	110	75	75	100	90	75	65
8			130	130	110	110	75	55	100	100	70	60
9			130	130	110	110	55	50	100	100	70	50
10			130	130	110	110	50	50	100	100	60	50
11			130	125	110	110	50	50	100	100	60	55
12			125	120	110	110	50	50	105	100	60	50
13			130	120	110	110	50	50	110	105	---	---
14			130	115	110	110	50	50	110	110	---	---
15			120	110	110	110	50	50	110	110	---	---
16			125	120	110	110	50	50	110	110	---	---
17			125	120	90	80	50	50	110	110	---	---
18			120	110	80	80	50	50	---	---	---	---
19			115	90	90	80	50	50	---	---	---	---
20			90	90	90	90	70	60	---	---	---	---
21			90	90	90	90	75	70	---	---	---	---
22			90	85	90	90	80	75	---	---	---	---
23			100	85	100	90	90	80	---	---	---	---
24			100	100	100	90	90	85	---	---	75	75
25			110	100	100	90	90	90	---	---	80	75
26			110	110	90	85	90	60	75	70	80	75
27			110	110	85	60	60	60	80	65	80	75
28			110	110	60	60	60	60	65	50	80	80
29			120	110	60	60	60	60	---	---	85	90
30			130	110	60	60	70	60	---	---	85	85
31			---	---	60	60	70	70	---	---	85	85
MONTH			130	85	110	60	90	50	---	---	---	---
APRIL			MAY		JUNE		JULY		AUGUST		SEPTEMBER	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	85	85	---	---	85	80	90	75	55	45	115	105
2	90	85	---	---	95	85	80	80	60	55	115	85
3	90	90	---	---	100	95	90	80	55	40	90	85
4	105	90	---	---	95	95	100	90	55	50	90	85
5	105	100	---	---	95	95	100	95	60	50	90	90
6	100	100	---	---	110	95	95	90	60	60	90	85
7	100	100	---	---	105	85	100	90	60	60	85	70
8	100	100	---	---	85	65	110	100	70	60	80	70
9	100	100	40	40	65	60	110	100	75	70	75	70
10	100	100	40	40	70	60	100	100	90	75	85	70
11	100	100	40									

PASCAGOULA RIVER BASIN

201

02479020 PASCAGOULA RIVER NEAR BENNDALE, MISS.
(National stream-quality accounting network)

LOCATION.--Lat 30°52'45", long 88°46'22", on line between secs. 15 and 22, T.2 S., R.8 W., St. Stephens meridian, George County, at bridge on State Highway 26, 0.4 mile (0.6 km) upstream from Bates Creek, 2.1 miles (3.4 km) east of Benndale, and 11.7 miles (18.8 km) southwest of Lucedale.

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

PERIOD OF RECORD.--Chemical analyses: October 1969 to September 1975.

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTAN- TANEOUS DIS- CHARGE (CFS)	BICARB- ONATE (MCG/L)	CARB- ONATE (MCG/L)	ALKAL- INITY AS CaCO3 (MCG/L)	DIS- SOLVED SULFATE (MCG/L)	DIS- SOLVED CHLO- RIDE (MCG/L)	DIS- SOLVED FLUO- RIDE (MCG/L)	TOTAL NITRITE PLUS NITRATE (MCG/L)	TOTAL KJEL- DAHL NITRO- GEN (MCG/L)
OCT.										
10...	1000	3380	20	0	16	5.4	16	1.0	.30	--
NOV.										
07...	1100	3230	16	0	13	5.0	22	.1	.29	--
DEC.										
04...	1400	9360	14	0	11	5.5	12	.2	.12	.43
JAN.										
16...	1100	45700	8	--	7	4.6	4.7	.1	.03	.46
FEB.										
01...	1000	26900	9	--	7	4.3	8.3	.1	.08	.47
MAR.										
23...	1400	39400	14	--	11	4.7	7.9	.1	.06	.38
APR.										
13...	1430	29400	10	0	8	4.1	6.4	.1	.09	.40
MAY										
27...	1300	5700	22	0	18	3.9	10	.1	.09	.20
JUNE										
27...	1420	5400	20	0	16	4.0	7.4	.0	.19	.28
JULY										
29...	1220	7000	15	0	12	4.2	10	.1	.31	.44
SEP.										
04...	1720	3740	20	0	16	4.4	12	.1	.19	.40
21...	1400	5250	14	0	11	4.7	8.6	.1	.25	.40

DATE	TOTAL NITRO- GEN (MCG/L)	TOTAL NITRO- GEN (MCG/L)	TOTAL PHOS- PHORUS (MCG/L)	DIS- SOLVED SOLIDS (RESI- DUE AT 140 C) (MCG/L)	DIS- SOLVED SOLIDS (SUM OF CONSTIT- UENTS) (MCG/L)	DIS- SOLVED SOLIDS (TONS PER AC-FT)	DIS- SOLVED SOLIDS (TONS PER DAY)	HARD- NESS (MCG/L)	NON- CAR- BONATE HARD- NESS (MCG/L)
OCT.									
10...	--	--	.20	73	55	.10	666	23	7
NOV.									
07...	--	--	.08	38	74	.05	331	39	26
DEC.									
04...	.56	2.4	.07	54	49	.07	1360	18	6
JAN.									
16...	.49	2.2	.05	20	30	.03	2470	13	6
FEB.									
01...	.56	2.4	.06	38	34	.05	2760	12	5
MAR.									
23...	.44	1.9	.05	58	49	.09	7310	17	6
APR.									
13...	.44	2.2	.05	56	33	.08	4450	12	3
MAY									
27...	.24	1.2	.03	63	51	.09	1140	14	1
JUNE									
27...	.47	2.1	.06	50	45	.07	783	15	0
JULY									
29...	.75	3.3	.11	52	48	.07	983	19	7
SEP.									
04...	.56	2.4	.06	71	56	.10	717	24	7
21...	.44	2.3	.04	62	42	.08	1050	15	3

SPECTROGRAPHIC ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

[illegible]

02479020 - PASCAGOULA RIVER NEAR RENDDALE, MISS.--CONTINUED

BIOLOGICAL ANALYSIS, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

PHYTOPLANKTON

DATE	TIME	ORGANISM	CELLS/ML	PERCENT	ORGANISM	CELLS/ML	PERCENT
OCT 10	1000	CYANOPHYTA			CHRYSOPHYTA		
		MYXOPHYCEAE			RACILLARIOPHYCEAE		
		OSCILLATORIALES			PENNALES		
		OSCILLATORIA			NAVICULACEAE		
		LYNGBYA	1170	69	NAVICULA	50	3
					NEIDIUM	34	2
		CHLOROPHYTA			CENTRALES		
		CHLOROPHYCEAE			GOSCIINODISCACEAE		
		CHLOROCOCCALES			CYCLOTFLLA	34	2
		SCENEDESMACEAE			PENNALES		
		SCENEDESMUS	135	8	ACHNANTHACEAE		
					ACHNANTHES	17	1
		CHRYSOPHYTA			EUGLENOPHYTA		
		BACILLARIOPHYCEAE			EUGLENOPHYCEAE		
		PENNALES			EUGLENALES		
		NITZSCHIACEAE			EUGLENACEAE		
		NITZSCHIA	135	8	EUGLENA	17	1
					TOTAL	1700	
		CYANOPHYTA					
		MYXOPHYCEAE					
		OSCILLATORIALES					
NOV 07	1100	OSCILLATORIA	108	6			
		CYANOPHYTA			CHLOROPHYTA		
		MYXOPHYCEAE			CHLOROPHYCEAE		
		OSCILLATORIALES			CHLOROCOCCALES		
		OSCILLATORIA	1060	38	SCENEDESMACEAE		
					CRUCIGENIA	112	4
		CHLOROPHYTA					
		CHLOROPHYCEAE			CHRYSOPHYTA		
		CHLOROCOCCALES			RACILLARIOPHYCEAE		
		SCENEDESMACEAE			PENNALES		
		ACTINASTRUM	505	18	NAVICULACEAE		
		VOLVOCALES			NAVICULA	56	2
		VOLVOCAEAE			SURIRELLACEAE		
		PANDORINA	340	12	SURIRELLA	28	1
		CHLOROCOCCALES			CYMBELLACEAE		
		OCCYSTACEAE			CYMBELLA	28	1
		DICTYOSPHAERIUM	195	7	ACHNANTHACEAE		
					COCCONEIS	28	1
		CYANOPHYTA			STAUROSTRIUM	28	1
		MYXOPHYCEAE					
		CHROOCOCCALES			CHLOROPHYTA		
		CHROOCOCCACEAE			CHLOROPHYCEAE		
		ANACYSTIS	140	5	ZYGNEATALES		
					DESMIDIACEAE		
		CHLOROPHYTA			COSMARITUM	28	1
		CHLOROPHYCEAE			TOTAL	2800	
		CHLOROCOCCALES					
		SCENEDESMACEAE					
		SCENEDESMUS	140	5			
		CHRYSOPHYTA					
		RACILLARIOPHYCEAE					
		PENNALES					
		FRAGILARIACEAE					
		SYNEDRA	112	4			
DEC 04	1400	CYANOPHYTA			CHRYSOPHYTA		
		MYXOPHYCEAE			RACILLARIOPHYCEAE		
		OSCILLATORIALES			PENNALES		
		OSCILLATORIA	144	20	NITZSCHIACEAE		
					NITZSCHIA	36	5
		CHLOROPHYTA			FRAGILARIACEAE		
		CHLOROPHYCEAE			FRAGILARIA	36	5
		CHLOROCOCCALES					
		SCENEDESMACEAE			CHLOROPHYTA		
		SCENEDESMUS	137	19	CHLOROPHYCEAE		
					CHLOROCOCCALES		
		CHRYSOPHYTA			OCCYSTACEAE		
		RACILLARIOPHYCEAE			ANKISTRODES MUS	36	5
		CENTRALES					
		GOSCIINODISCACEAE			CHRYSOPHYTA		
		MELOSTRA	122	17	RACILLARIOPHYCEAE		
		PENNALES			PENNALES		
		NAVICULACEAE			ACHNANTHACEAE		
		NAVICULA	107	15	ACHNANTHES	22	3
					RINOBRYON	22	3
		CYANOPHYTA					
		MYXOPHYCEAE			CHLOROPHYTA		
		CHROOCOCCALES			CHLOROPHYCEAE		
		CHROOCOCCACEAE			ZYGNEATALES		
		ANACYSTIS	36	5	DESMIDIACEAE		
					COSMARITUM	22	3
					TOTAL	720	

POUGLA RIVER BASIN

19020 - PASCAGOULA RIVER NEAR HENNDALE, MISS.--CONTINUED

BIOLOGICAL ANALYSIS, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

PHYTOPLANKTON

DATE	TIME	ORGANISM	CELLS/ML	PERCENT	ORGANISM	CELLS/ML	PERCENT
JAN 19	1100	CYANOPHYTA			CHRYSOPHYTA		
		MYXOPHYCEAE			RACILLARIOPHYCEAE		
		OSCILLATORIALES			PENNALES		
		NOSTOCACEAE			NITZSCHIA		
		ANABAENA	53	53	NITZSCHIA	7	7
		CHLOROPHYTA			NAVICULACEAE		
		CHLOROPHYCEAE			NAVICULA	7	7
		CHLOROCOCCALES			ACHNANTHACEAE		
		SCENEDESMACEAE			ACHNANTHES	7	7
		SCENEDESMUS	12	12	FRAGILIACEAE		
					SYNEDRA	7	7
					EUGLENOPHYTA		
					EUGLENOPHYCEAE		
					EUGLENALES		
					EUGLENACEAE		
					EUGLENA	7	7
					TOTAL	100	
FEB 01	1000	CHRYSOPHYTA			CHLOROPHYTA		
		RACILLARIOPHYCEAE			CHLOROPHYCEAE		
		PENNALES			CHLOROCOCCALES		
		NITZSCHIA			OCCYSTACEAE		
		NITZSCHIA	108	64	ANKISTRODESUS	12	7
		NAVICULACEAE			TOTAL	170	
		NAVICULA	26	15			
		ACHNANTHACEAE					
		STAURONETS	12	7			
		CENTRALES					
		COSCINODISCACEAE					
		MELOSIRA	12	7			
MAR 23	1400	CHLOROPHYTA			CHLOROPHYTA		
		CHLOROPHYCEAE			CHLOROPHYCEAE		
		TETRASPORALES			CHLOROCOCCALES		
		PALMELLACEAE			OCCYSTACEAE		
		SPHAEROCYSTIS	292	34	ANKISTRODESUS	26	3
		CYANOPHYTA			CHRYSOPHYTA		
		MYXOPHYCEAE			RACILLARIOPHYCEAE		
		OSCILLATORIALES			PENNALES		
		NOSTOCACEAE			NAVICULACEAE		
		ANABAENA	154	18	NAVICULA	17	2
		CHLOROPHYTA			CHLOROPHYTA		
		CHLOROPHYCEAE			CHLOROPHYCEAE		
		CHLOROCOCCALES			VOLVOCALES		
		SCENEDESMACEAE			CHLAMYDOMONADACEAE		
		ACTINASTRUM	112	13	CHLAMYDOMONAS	17	2
		SCENEDESMUS	69	8	CHRYSOPHYTA		
		OCCYSTACEAE			RACILLARIOPHYCEAE		
		DICTYOSPHAERIUM	52	6	PENNALES		
		CHRYSOPHYTA			GOMPHONEMACEAE		
		RACILLARIOPHYCEAE			GOMPHONEMA	9	1
		CENTRALES			PHYCOPHYTA		
		COSCINODISCACEAE			DINOPHYCEAE		
		MELOSIRA	34	4	PERIDINIALES		
		CHLOROPHYTA			PERIDINIALES		
		CHLOROPHYCEAE			PERIDINIACEAE		
		CHLOROCOCCALES			PERIDINIUM	9	1
		CHLORELLA	34	4	EUGLENOPHYTA		
		CHRYSOPHYTA			EUGLENOPHYCEAE		
		RACILLARIOPHYCEAE			EUGLENALES		
		PENNALES			EUGLENACEAE		
		NITZSCHIA			EUGLENA	9	1
		NITZSCHIA	26	3	TOTAL	860	
APR 13	1630	CHRYSOPHYTA			CHLOROPHYTA		
		RACILLARIOPHYCEAE			CHLOROPHYCEAE		
		CENTRALES			CHLOROCOCCALES		
		COSCINODISCACEAE			OCCYSTACEAE		
		MELOSIRA	90	22	DICTYOSPHAERIUM	57	14
		CHLOROPHYTA			CHRYSOPHYTA		
		CHLOROPHYCEAE			RACILLARIOPHYCEAE		
		CHLOROCOCCALES			PENNALES		
		SCENEDESMACEAE			FRAGILIACEAE		
		SCENEDESMUS	78	19	SYNEDRA	29	7
		ACTINASTRUM	78	19	CENTRALES		
		CYANOPHYTA			COSCINODISCACEAE		
		MYXOPHYCEAE			CYCLOTELLA	8	2
		CHLOROCOCCALES			TOTAL	410	
		CHLOROCOCCACEAE					
		ANACYSTIS	70	17			

02479020 - PASCAGOULA RIVER NEAR PENNDALE, MISS.--CONTINUED

BIOLOGICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

PHYTOPLANKTON

DATE	TIME	ORGANISM	CELLS/ML	PERCENT	ORGANISM	CELLS/ML	PERCENT
JUN 27	1830	CHLOROPHYTA			CHRYSOPHYTA		
		CHLOROPHYCEAE			RACILLARIOPHYCEAE		
		CHLOROCOCCALES			CENTRALES		
		SCENEDESMACEAE			COSCINODISCACEAE		
		SCENEDESMUS	3530	63	MELOSIIRA	168	3
		OCCYSTACEAE			PENNALES		
		DIMORPHOCOCCUS	1510	27	NITZSCHACEAE		
					NITZSCHIA	56	1
		CYANOPHYTA			NAVICULACEAE		
		MYXOPHYCEAE			NAVICULA	56	1
		OSCILLATORIALES					
		OSCILLATORIA	224	4	CHLOROPHYTA		
					CHLOROPHYCEAE		
					CHLOROCOCCALES		
JUL 29	1830				OCCYSTACEAE		
					ANKISTRODESMUS	56	1
					TOTAL	5600	
		CHLOROPHYTA			CHRYSOPHYTA		
		CHLOROPHYCEAE			RACILLARIOPHYCEAE		
		CHLOROCOCCALES			CENTRALES		
		CHARACIACEA			COSCINODISCACEAE		
		SCHROEDERIA	17	1	CYCLOTELLA	17	1
		OCCYSTACEAE			MELOSIIRA	130	10
		ANKISTRODESMUS	34	3	PENNALES		
		CLOSTERIOPSIS	17	1	ACHNANTHACEAE		
		OCCYSTIS			COCCONEIS		
		SCENEDESMACEAE			FRAGILARIACEAE		
		SCENEDESMUS	450	34	FRAGILARIA		
SEP 04	1730				HANNAEA		
		CYANOPHYTA			HANNAEA ARCUS	17	1
		MYXOPHYCEAE			GOMPHONEMACEAE		
		OSCILLATORIALES			GOMPHONEMA	17	1
		OSCILLATORIA	290	22	NAVICULACEAE		
					FRUSTULIA	17	1
					NAVICULA	100	8
					NITZSCHACEAE		
					NITZSCHIA	130	10
					SURIPELLACEAE		
					SURIPELLA		
					XANTHOPHYCEAE		
					HETEROCOCCALES		
					CHLOROTHECIACEAE		
SEP 21	1800				OPHIOCYTIUM	17	1
					TOTAL	1300	
		CHLOROPHYTA			CHRYSOPHYTA		
		CHLOROPHYCEAE			RACILLARIOPHYCEAE		
		CHLOROCOCCALES			CENTRALES		
		OCCYSTACEAE			COSCINODISCACEAE		
		ANKISTRODESMUS	92	4	CYCLOTELLA	18	1
		DICTYOSPHAERIUM	440	17	MELOSIIRA		
		KIRCHNERELLA	110	4	PENNALES		
		SCENEDESMACEAE			FRAGILARIACEAE		
		SCENEDESMUS	770	30	SYNEDRA	18	1
		CYANOPHYTA			NITZSCHACEAE		
		MYXOPHYCEAE			NITZSCHIA	110	4
		OSCILLATORIALES			XANTHOPHYCEAE		
SEP 21	1800				HETEROCOCCALES		
					CHLOROTHECIACEAE		
					OPHIOCYTIUM	18	1
					TOTAL	2600	
		CHLOROPHYTA			CHRYSOPHYTA		
		CHLOROPHYCEAE			RACILLARIOPHYCEAE		
		CHLOROCOCCALES			CENTRALES		
		OCCYSTACEAE			COSCINODISCACEAE		
		ANKISTRODESMUS	25	1	CYCLOTELLA	12	1
		DICTYOSPHAERIUM			MELOSIIRA	25	1
		SCENEDESMACEAE			PENNALES		
		ACTINASTRUM	100	5	CYMBELLACEAE		
		SCENEDESMUS	200	11	CYMBELLA		
		VOLVOCALES			FUNOTIACEAE		
		VOLVOCAEAE			FUNOTIA	12	1
SEP 21	1800				FRAGILARIACEAE		
					SYNEDRA	25	1
					GOMPHONEMACEAE		
					GOMPHONEMA		
					NAVICULACEAE		
					DIPLONFIS	22	1
					GYROSTOMA	12	1
					NAVICULA	110	6
					PINNULARIA		
					NITZSCHACEAE		
					NITZSCHIA	50	3
					TOTAL	1800	
		CYANOPHYTA					
		MYXOPHYCEAE					
		OSCILLATORIALES					
		NOSTOCACEAE					
		APHANIZOMENON					
		OSCILLATORIA	420	23			
		LYNGBYA	620	34			
		OSCILLATORIA	420	23			

02479155 CYPRESS CREEK NEAR JANICE, MISS.
(Hydrologic bench-mark and pesticide station)

LOCATION.--Lat 31°01'30", long 89°01'00", in NW¼NW¼ sec.29, T.1 N., R.10 W., St. Stephens meridian, Perry County,
at gaging station at bridge on State Highway 29, 1.2 mile (1.9 km) east of Janice, and 5.5 miles (8.8 km) upstream
from mouth.

DRAINAGE AREA.--52.2 mi² (135 km²).

RIOD OF RECORD.--Chemical analyses: December 1966 to September 1975.

WATER QUALITY DATA: WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTAN- TANEOUS DISE- CHARGE (CF5)	BICARB- ONATE (HCO3) (MG/L)	CARB- ONATE (CO3) (MG/L)	ALKAL- INITY AS CACO3 (MG/L)	DISE- SOLVED SULFATE (SO4) (MG/L)	DISE- SOLVED CHLO- RIDE (CL) (MG/L)	DISE- SOLVED FLUO- RIDE (F) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)
OCT.									
09...	1500	11	4	0	3	1.8	3.2	.3	.05
NOV.									
06...	1700	19	--	--	--	--	--	--	--
DEC.									
04...	1130	40	1	0	1	3.9	3.9	.2	.02
JAN.									
19...	1010	43	--	--	--	--	--	--	--
FEB.									
01...	1300	55	1	--	1	2.5	3.5	.1	.01
MAR.									
13...	1500	147	3	0	2	2.7	2.8	.1	.02
MAY									
27...	1200	34	5	0	4	2.1	3.1	.1	.06
JUNE									
27...	1730	25	5	0	4	2.1	2.8	.1	.05
SEP.									
04...	1630	11	2	0	2	2.0	3.1	.1	.04
21...	1310	21	--	--	--	--	--	--	--
22...	1920	44	--	--	--	--	--	--	--

DATE	TOTAL DISE- CHARGE (P) (MG/L)	DISE- SOLVED SOLIDS (REST- DUCE AT 180 C) (MG/L)	TOTAL FILT- RABLE RESIDUE (MG/L)	DISE- SOLVED SOLIDS (SUM OF CONSTI- TUENTS) (MG/L)	DISE- SOLVED SOLIDS (TONS PER AC-FT)	DISE- SOLVED SOLIDS (TONS PER DAY)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	HARD- NESS (CA,MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)
OCT.									
09...	.01	12	25	23	.02	.36	6	5	2
NOV.									
06...	--	--	--	--	--	--	--	--	--
DEC.									
04...	.01	31	--	25	.14	3.35	--	6	5
JAN.									
19...	--	--	--	--	--	--	--	--	--
FEB.									
01...	.01	41	--	21	.06	6.09	--	3	2
MAR.									
13...	.00	27	--	19	.04	10.7	--	6	4
MAY									
27...	.01	44	--	25	.06	4.04	--	10	6
JUNE									
27...	.01	29	--	23	.14	1.89	--	7	3
SEP.									
04...	.01	27	--	22	.04	.85	--	5	4
21...	--	--	--	--	--	--	--	--	--
22...	--	--	--	--	--	--	--	--	--

DATE	SPE- CIFIC CON- DUCT- ANCE (MICHO- MERS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DISE- SOLVED OXYGEN (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	TOTAL PHYTO- TON (CELLS PER ML)	TIME- DIATE COLI- FORM (COL. PER 100 ML)	FECAL COLI- FORM (COL. PER 100 ML)
OCT.								
09...	21	5.9	19.0	9.2	3.1	--	666	112
NOV.								
06...	--	--	--	--	--	--	--	--
DEC.								
04...	35	7.8	7.0	11.0	.0	--	--	--
JAN.								
19...	--	--	--	--	--	--	--	--
FEB.								
01...	25	--	14.0	9.2	--	--	--	410
MAR.								
13...	25	6.2	16.0	9.4	3.0	--	426	413
MAY								
27...	32	6.8	23.5	7.2	1.4	3100	--	--
JUNE								
27...	27	6.5	24.5	7.2	2.5	--	60	15
SEP.								
04...	25	6.6	24.0	7.2	.7	--	--	--
21...	--	--	--	--	--	--	--	--
22...	--	--	--	--	--	--	--	--

02479155 - CYPRESS CREEK NEAR JANICE, MISS.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	STATION TCC0001 (CML - CNTR - REF 100 MI)	CYANIDE (CN) (MG/L)	TOTAL ARSENIC (AS) (UG/L)	TOTAL MERCURY (HG) (UG/L)	TOTAL SILICA (SE) (UG/L)	SUS- PENDED SOLIDS (MG/L)	SUS- PENDED SOLIDS (T/DAY)
OCT.							
09...	132	.00	0	.1	0	6	.18
NOV.							
04...	--	--	--	--	--	6	.32
DEC.							
04...	--	--	--	--	--	12	1.3
JAN.							
13...	--	--	--	--	--	62	14
FEB.							
01...	416	--	--	--	--	111	16
MAR.							
13...	47	.00	1	.1	0	--	--
MAY							
27...	--	--	--	--	--	--	--
JUNE							
27...	9	--	--	--	--	10	.67
SEP.							
04...	--	--	--	--	--	--	--
21...	--	--	--	--	--	8	.45
22...	--	--	--	--	--	14	2.3

SPECTROGRAPHIC ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	DIS- SOLVED SILICA (SiO2) (MG/L)	TOTAL IRON (FE) (UG/L)	TOTAL MANGANESE (MN) (UG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED SODIUM (NA) (MG/L)	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	PERCENT SODIUM
OCT.								
09...	11	310	10	1.7	.3	1.9	.5	40
DEC.								
04...	12	--	--	1.9	.3	2.4	.2	46
FEB.								
01...	11	--	--	.7	.2	1.8	.3	57
MAR.								
13...	4.0	390	50	1.8	.4	1.7	.2	37
MAY								
27...	10	--	--	3.0	.6	2.9	.3	38
JUNE								
27...	11	--	--	2.3	.4	1.7	.3	32
SEP.								
04...	12	--	--	1.5	.4	1.6	.4	37

DATE	SODIUM AD- SORB- TION RATIO	TOTAL MANGANESE (MN) (UG/L)	TOTAL CAD- MIUM (CD) (UG/L)	TOTAL CHRO- MIUM (CR) (UG/L)	TOTAL COPPER (CU) (UG/L)	TOTAL LEAD (PB) (UG/L)	TOTAL SILVER (AG) (UG/L)	TOTAL ZINC (ZN) (UG/L)
OCT.								
09...	.4	0	1	<10	1	0	3	10
DEC.								
04...	.4	--	--	--	--	--	--	--
FEB.								
01...	.5	--	--	--	--	--	--	--
MAR.								
13...	.3	30	0	<10	0	0	0	40
MAY								
27...	.4	--	--	--	--	--	--	--
JUNE								
27...	.3	--	--	--	--	--	--	--
SEP.								
04...	.3	--	--	--	--	--	--	--

02479155 - CYPRESS CREEK NEAR JANICE, MISS.--CONTINUED

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	ALDRIN		CHLOR-DANE		DDE		DDE		DDT		TOTAL DIBENON
	TOTAL ALDRIN (UG/L)	IN BOTTOM MA- TERIAL (UG/KG)	TOTAL CHLOR- DANE (UG/L)	IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDE (UG/L)	IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDE (UG/L)	IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDT (UG/L)	IN BOTTOM MA- TERIAL (UG/KG)	
OCT. 09...	.00	.0	.0	0	.00	.0	.00	.0	.00	.0	.00

DATE	DIF- ENDRIN		ENDRIN		HEPTA- CHLOR		HEPTA- CHLOR		LINDANE	
	TOTAL DIF- ENDRIN (UG/L)	IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ENDRIN (UG/L)	IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR (UG/L)	IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR EPOXIDE (UG/L)	IN BOTTOM MA- TERIAL (UG/KG)	TOTAL LINDANE (UG/L)	IN BOTTOM MA- TERIAL (UG/KG)
OCT. 09...	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0

DATE	TOTAL MALA- TION		TOTAL METHYL PARA- THION		TOTAL PCB		TOTAL TOX- APHENE		TOTAL 2,4,5-T		TOTAL SILVEX
	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/KG)	(UG/L)	(UG/KG)	(UG/L)	(UG/L)	(UG/L)	
OCT. 09...	.00	.00	.00	.0	0	0	0	.00	.00	.00	.00

RADIOCHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

	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 45 SR90 ZY90 (PC/L)	SUS- PENDED GROSS BETA 45 SR90 ZY90 (PC/L)	DIS- SOLVED GROSS ALPHA 225 PETH-000 (PC/L)	DIS- SOLVED GROSS ALPHA 225 PETH-000 (UG/L)
OCT. 09...		1.1	<.4	1.3	.5	1.1	.5	.04

TENNESSEE RIVER BASIN

03592800 YELLOW CREEK NEAR DOSKIE, MISS.

LOCATION.--Lat 34°54'02", long 88°17'35", in sec.18, T.2 S., R.10 E., Chickasaw meridian, Tishomingo County, at gaging station on county road at Moser Bridge, 0.4 mile (0.6 km) south of Doskie.

DRAINAGE AREA.--143 mi² (370 km²).

PERIOD OF RECORD.--Chemical analyses: October 1973 to September 1975.

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTANTANEOUS TSS- CHARGE (PPM)	BICARBONATE (HCO ₃) (MG/L)	CARBONATE (CO ₃) (MG/L)	ALKALINITY AS CaCO ₃ (MG/L)	DIS- SOLVED SULFATE (SO ₄) (MG/L)	DIS- SOLVED CHLORIDE (CL) (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)
OCT.												
01...	0900	56	16	0	13	3.2	2.8	.05	.00	.05	.01	.21
22...	1230	44	17	0	14	--	--	.00	.00	.00	.00	.23
29...	1530	145	11	0	9	2.3	4.0	.00	.00	.00	.00	.22
NOV.												
11...	1300	155	9	0	7	--	--	.04	.00	.04	.09	.31
26...	1445	170	10	0	8	5.1	2.3	.09	.00	.09	.05	.29
DEC.												
03...	1115	136	13	0	11	--	--	.09	.00	.09	.01	.12
23...	0900	115	10	--	8	4.7	2.2	.07	.00	.07	.02	.08
JAN.												
07...	1200	150	8	--	7	--	--	.12	.00	.12	.06	.36
22...	1430	340	12	--	10	3.2	1.5	.11	.00	.11	.01	.15
FEB.												
04...	1300	1250	9	--	7	--	--	.08	.03	.11	.03	1.1
14...	0945	540	8	--	7	3.3	1.4	.09	.00	.09	.01	.21
MAR.												
05...	0915	140	9	--	7	--	--	.06	.01	.07	.01	.12
14...	1000	440	10	--	8	4.2	.9	.03	.01	.04	.02	.10
APR.												
03...	1300	330	6	0	5	--	--	.02	.01	.03	.01	.16
17...	0930	174	10	0	8	3.6	2.1	.07	.00	.07	.00	.15
27...	0915	335	11	0	9	--	--	.05	.01	.06	.02	.36
MAY.												
13...	0900	144	9	0	7	2.8	1.4	.08	.01	.09	.05	.21
24...	1200	152	10	0	8	--	--	.09	.00	.09	.02	.25
JUNE.												
10...	1000	47	10	0	8	--	--	.08	.01	.09	.01	.33
24...	1315	45	10	0	8	--	--	.10	.00	.10	.02	.20
JULY.												
04...	0915	46	10	0	8	2.2	1.3	.05	.05	.10	.00	.35
AUG.												
06...	1530	150	20	0	15	4.2	1.4	.08	.01	.09	.04	1.2
SEP.												
03...	1600	42	10	0	8	1.4	1.5	.07	.00	.07	.01	.05

DATE	TOTAL SOL- UBLE NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOLVED PHOS- PHORUS (P) (MG/L)	TOTAL ORTHOPHOS- PHORUS (P) (MG/L)	DIS- SOLVED SOLIDS (RESI- DUE AT 140 C) (MG/L)	DIS- SOLVED SOLIDS (TONS PER AC-FT DAY)	DIS- SOLVED SOLIDS (TONS PER DAY)	HARD- NESS (CA+MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)
OCT.											
01...	.22	.27	1.2	.05	.01	.02	23	.03	3.48	14	1
22...	.23	.23	1.0	.04	.01	.02	35	.05	4.54	9	0
29...	.22	.22	.97	.03	.01	.00	25	.03	9.79	9	0
NOV.											
11...	.40	.44	1.6	.04	.01	.04	30	.04	12.6	14	6
26...	.34	.43	1.5	.04	.00	.01	42	.06	14.7	16	8
DEC.											
03...	.13	.22	.47	.03	.01	.01	37	.05	18.6	10	0
23...	.11	.17	.75	.01	.00	.00	34	.05	9.64	61	53
JAN.											
07...	.42	.54	2.4	.01	.01	.11	14	.02	5.67	14	7
22...	.18	.27	1.2	.02	.01	.10	15	.02	15.4	18	8
FEB.											
04...	1.1	1.2	5.4	.26	.03	.03	30	.04	101	12	4
14...	.22	.31	1.4	.02	.00	.01	30	.04	43.7	7	1
MAR.											
05...	.13	.20	.49	.01	.00	.01	32	.04	12.1	7	0
14...	.12	.21	.44	.03	.04	.01	22	.03	26.1	8	0
APR.											
03...	.17	.21	.45	.02	.00	.00	22	.03	23.2	5	0
17...	.15	.22	.57	.02	--	.00	--	--	--	12	4
27...	.33	.44	1.5	.04	.00	.11	33	.04	34.3	9	0
MAY.											
04...	.26	.35	1.4	.05	.00	.01	35	.05	17.6	10	3
24...	.27	.36	1.4	.01	.10	.00	40	.05	15.4	8	0
JUNE.											
10...	.34	.43	1.6	.03	.01	.11	30	.04	7.07	7	0
24...	.22	.32	1.3	.02	.00	.11	28	.04	3.40	4	0
JULY.											
04...	.35	.45	2.0	.02	.00	--	26	.04	3.23	7	0
AUG.											
06...	1.2	1.3	5.7	.05	.01	--	41	.05	19.9	9	0
SEP.											
03...	.05	.13	.54	.03	.00	--	25	.03	2.84	7	0

03592800 - YELLOW CREEK NEAR DOSKIE, MISS.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	SEPT- CIFIC COAL- OUCT- WACE (MICRO- G/OS)	PH (UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COAL- UNITS)	DIS- SOLVED OXYGEN (MG/L)	CHEM- ICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	BIO- CHEM- ICAL OXYGEN DEMAND 30 DAY (MG/L)	CARBON DIOXIDE (CO2) (MG/L)
OCT.									
01...	48	6.1	13.5	60	9.7	12	.8	--	20
22...	30	6.5	10.5	90	10.4	14	.9	3.0	45
29...	32	6.5	17.0	100	7.4	12	1.0	3.9	5.6
NOV.									
11...	37	6.9	13.0	100	9.6	16	2.2	5.9	1.8
26...	44	6.4	7.5	50	10.8	16	2.0	5.9	6.4
DEC.									
06...	36	6.5	4.5	70	11.6	8	2.0	4.0	66
23...	34	6.1	7.0	50	11.4	5	2.0	3.7	13
JAN.									
07...	34	6.4	6.0	30	10.4	10	--	--	51
22...	32	6.3	5.5	50	11.4	4	2.4	3.5	30
FEB.									
04...	38	6.7	8.0	200	10.6	25	2.0	5.1	29
14...	34	6.4	9.0	50	10.1	8	1.9	3.7	51
MAR.									
05...	31	6.5	3.5	30	12.4	4	1.8	3.5	4.6
14...	24	6.2	9.5	40	10.3	5	1.4	3.4	10
APR.									
03...	24	6.7	9.5	55	11.1	5	1.9	3.3	1.9
17...	40	6.4	13.0	50	9.6	4	1.0	2.4	6.4
26...	33	6.5	16.0	130	8.4	20	3.5	6.7	5.6
MAY									
13...	31	6.6	15.0	80	9.6	12	2.5	3.8	3.6
29...	30	6.0	18.0	65	8.9	4	1.9	3.3	16
JUNE									
10...	24	6.9	18.0	75	8.9	5	2.4	3.9	20
24...	40	6.5	15.0	8	8.4	19	1.8	3.4	4.0
JULY									
09...	27	6.3	16.5	90	8.9	4	1.0	--	25
AUG.									
05...	30	6.3	20.5	150	8.4	20	3.8	--	16
SEP.									
03...	23	6.7	22.0	50	8.2	5	1.1	--	3.2

DATE	TOTAL DITATE COLI- FORM (COL. PER 100 ML)	FECAL COLI- FORM (COL. PER 100 ML)	STREP- TOCOCCI (COL- ONIES PER 100 ML)	TOTAL ORGANIC CARBON (C) (MG/L)	PHENOLS (UG/L)	TOTAL ARSENIC (AS) (UG/L)	TOTAL MERCURY (HG) (UG/L)	TOTAL SELE- NIUM (SE) (UG/L)
OCT.								
01...	--	--	--	24	0	--	.0	--
22...	--	--	--	6.2	--	--	--	--
29...	7000	2100	--	4.5	0	2	.0	--
NOV.								
11...	--	550	--	7.3	--	--	--	--
26...	--	--	--	15	0	--	.0	--
DEC.								
06...	--	--	--	3.0	--	--	--	--
23...	1490	100	--	1.5	0	--	.1	--
JAN.								
07...	--	820	460	3.0	--	--	--	--
22...	--	--	--	4.9	1	--	.1	--
FEB.								
04...	32000	314000	--	11	--	--	--	--
14...	4340	4333	--	5.8	0	--	.0	--
MAR.								
05...	--	--	--	1.8	--	--	--	--
14...	4300	4600	--	8.3	2	--	.1	--
APR.								
03...	1100	833	--	4.2	--	--	--	--
17...	--	--	--	12	0	1	.0	--
26...	4000	900	4300	13	--	--	--	--
MAY								
13...	--	2165	--	5.9	1	--	.0	--
29...	--	3000	--	4.6	--	--	--	--
JUNE								
10...	640	--	--	3.5	--	--	--	--
24...	--	--	--	5.6	--	--	--	--
JULY								
09...	2350	4250	--	1.8	0	0	.5	0
AUG.								
05...	2355	4220	--	--	--	--	.4	--
SEP.								
03...	2550	1033	--	5.4	--	--	.1	--

03592800 - YELLOW CREEK NEAR DOSKIE, MISS.--CONTINUED

SPECTROGRAPHIC ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TOTAL IRON (FE) (UG/L)	TOTAL MANGANESE (MN) (UG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	TOTAL MAG- NE- SIUM (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG/L)	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 LEAD (PB) (UG/L)	TOTAL ZINC (ZN) (UG/L)
OCT.											
01...	--	--	3.8	--	1.1	--	--	--	--	--	--
22...	--	--	2.8	--	.4	--	--	--	--	--	--
29...	2100	170	3.1	--	.4	0	<10	--	2	1	<0
NOV.											
11...	--	--	4.1	--	.2	--	--	--	--	--	--
26...	--	--	4.9	--	1.0	--	--	--	--	--	--
DEC.											
09...	--	--	3.0	--	.7	--	--	--	--	--	--
23...	--	--	4.7	--	12	--	--	--	--	--	--
JAN.											
07...	--	--	3.9	--	1.0	--	--	--	--	--	--
22...	--	--	5.9	--	.4	--	--	--	--	--	--
FEB.											
04...	--	--	3.3	--	.8	--	--	--	--	--	--
19...	--	--	1.9	--	.6	--	--	--	--	--	--
MAR.											
05...	--	--	1.6	--	.7	--	--	--	--	--	--
18...	--	--	1.3	--	.4	--	--	--	--	--	--
APR.											
03...	--	--	1.3	--	.4	--	--	--	--	--	--
17...	1800	220	2.4	--	1.2	0	<10	--	1	3	3
29...	--	--	2.2	--	.9	--	--	--	--	--	--
MAY											
13...	--	--	3.1	--	.6	--	--	--	--	--	--
29...	--	--	1.9	--	.8	--	--	--	--	--	--
JUNE											
10...	--	--	1.7	--	.7	--	--	--	--	--	--
24...	--	--	.9	--	.5	--	--	--	--	--	--
JULY											
09...	2100	80	1.6	.9	.7	0	<10	0	42	0	<0
AUG.											
05...	--	--	2.4	--	.7	--	--	--	--	--	--
SEP.											
03...	--	--	1.9	--	.6	--	--	--	--	--	--

PH (UNITS), WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

[illegible]

TEMPERATIJF (DEG. C) OF WATER, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

OCTOBER			NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	15.0	14.5	---	---	5.0	4.0	14.0	10.0	14.5	12.5	9.0	8.0
2	14.0	12.5	---	---	4.5	4.0	10.0	7.5	12.5	10.5	7.5	5.5
3	---	---	---	---	4.5	3.5	8.5	8.0	10.5	9.0	6.0	4.0
4	13.0	10.0	---	---	4.0	2.5	8.5	7.0	9.0	8.0	7.0	4.5
5	13.5	11.0	---	---	4.0	2.5	6.5	5.5	10.0	9.0	7.5	4.0
6	14.0	11.0	---	---	5.0	3.0	6.5	6.0	10.0	6.0	8.0	5.5
7	14.0	11.5	---	---	10.5	5.0	7.0	5.0	6.0	4.5	11.5	8.5
8	14.0	12.0	---	---	10.5	8.0	10.5	7.5	5.5	3.5	9.5	7.0
9	14.0	11.5	---	---	7.5	4.0	12.5	8.0	6.0	4.5	6.5	4.5
10	14.5	11.5	---	---	4.0	2.5	15.5	13.0	5.0	3.0	6.5	4.0
11	15.0	12.0	---	---	6.5	4.0	13.0	10.0	8.0	5.0	10.0	6.0
12	15.5	13.0	10.5	8.5	---	---	10.0	3.5	8.0	6.0	12.5	10.0
13	16.0	13.5	9.5	7.0	---	---	3.5	1.5	6.0	5.0	12.5	9.0
14	17.0	15.0	9.0	7.0	---	---	3.5	0.5	6.5	4.5	8.5	7.0
15	14.5	14.0	7.0	5.5	---	---	5.0	3.0	8.0	6.0	7.5	6.0
16	14.0	12.5	7.5	5.5	---	---	5.5	4.5	9.5	8.0	9.0	7.5
17	14.0	11.5	9.5	7.5	---	---	5.5	4.0	10.0	9.0	10.5	9.0
18	14.5	11.5	11.5	9.5	---	---	12.0	5.5	9.0	8.0	10.5	10.0
19	13.5	12.0	18.0	11.5	7.5	6.0	10.0	8.0	8.5	6.5	11.0	9.0
20	12.5	10.0	18.5	14.0	7.5	6.0	9.0	5.0	6.5	5.0	11.5	8.5
21	12.0	9.5	13.5	10.0	7.0	5.5	5.5	3.5	8.0	5.0	12.5	10.0
22	10.5	8.5	13.5	8.0	7.0	5.0	5.5	4.0	10.5	8.0	14.5	12.5
23	---	---	16.0	9.5	8.0	6.0	5.5	4.5	13.0	10.5	14.5	12.0
24	---	---	16.5	13.0	14.0	8.5	---	---	10.0	6.0	14.5	13.5
25	---	---	12.5	8.5	14.0	9.0	14.0	8.0	8.0	5.5	14.0	11.0
26	---	---	10.0	5.0	8.5	7.0	14.0	11.0	7.0	6.0	11.5	9.0
27	---	---	8.0	5.0	10.5	7.0	---	---	9.5	6.5	13.5	10.5
28	---	---	5.5	4.0	11.0	10.0	---	---	10.0	8.0	15.5	13.5
29	---	---	6.0	4.5	13.5	11.0	---	---	---	---	15.5	9.5
30	---	---	6.0	5.0	13.5	11.0	12.0	11.0	---	---	10.0	8.5
31	---	---	---	---	15.0	11.5	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	15.5	0.5	14.5	3.0	15.5	4.0

APRIL			MAY		JUNE		JULY		AUGUST		SEPTEMBER	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	---	---	17.0	16.0	19.0	17.5	21.0	17.0	19.5	19.0	23.0	23.0
2	---	---	16.5	15.0	18.0	16.5	21.5	16.0	19.5	19.0	21.5	21.5
3	12.5	9.0	16.0	15.0	18.5	17.0	21.0	19.5	20.0	18.5	---	---
4	10.0	7.5	17.5	15.5	19.5	17.0	21.5	19.5	19.5	18.5	---	---
5	10.5	8.0	17.0	15.0	20.0	18.5	21.5	20.0	20.5	18.0	---	---
6	11.0	8.0	17.0	16.0	19.5	18.5	20.5	19.0	23.5	19.5	---	---
7	10.5	8.5	17.0	16.5	19.5	19.0	20.5	19.0	20.0	19.0	---	---
8	11.0	10.0	17.5	16.5	19.5	18.0	21.0	19.5	19.0	17.5	---	---
9	12.5	11.0	17.5	16.5	19.5	18.0	20.5	19.5	19.5	18.0	---	---
10	14.5	12.5	17.5	15.5	19.0	18.5	20.5	19.5	19.5	18.5	---	---
11	---	---	17.0	16.0	19.5	18.5	20.0	19.0	20.5	19.0	---	---
12	---	---	17.5	16.0	20.0	19.0	18.5	17.5	21.0	19.5	---	---
13	---	---	17.0	15.5	19.5	17.5	19.0	17.0	26.0	20.0	---	---
14	---	---	16.5	15.0	19.5	18.0	19.0	16.5	25.0	20.0	---	---
15	---	---	17.5	16.5	19.5	18.5	19.5	16.5	---	---	---	---
16	---	---	17.5	16.0	20.0	18.0	20.0	17.5	---	---	---	---
17	---	---	---	---	21.0	19.5	21.0	18.0	---	---	---	---
18	---	---	---	---	27.0	18.0	21.0	18.5	---	---	---	---
19	17.0	15.5	---	---	23.0	21.5	21.5	19.0	---	---	---	---
20	17.5	13.0	18.0	16.5	---	---	21.0	16.5	---	---	---	---
21	17.0	14.0	19.0	17.5	28.0	20.5	21.0	18.0	---	---	---	---
22	16.0	12.5	19.0	17.5	31.0	22.0	---	---	---	---	---	---
23	16.0	14.5	19.0	17.5	27.0	20.0	---	---	---	---	---	---
24	18.0	16.0	19.0	18.0	23.0	19.0	---	---	---	---	---	---
25	19.0	17.0	---	---	22.5	18.5	---	---	---	---	---	---
26	18.5	17.0	---	---	---	---	---	---	---	---	---	---
27	18.5	16.5	---	---	21.0	18.0	---	---	---	---	---	---
28	18.5	17.5	---	---	20.5	17.0	---	---	---	---	---	---
29	18.0	16.5	---	---	21.0	19.0	---	---	22.5	22.5	---	---
30	17.5	15.5	19.0	18.0	21.0	19.5	---	---	23.0	23.0	---	---
31	---	---	19.5	18.0	---	---	---	---	22.5	22.5	---	---
MONTH	---	---	---	---	31.0	16.5	---	---	---	---	---	---
YEAR	31.0	0.5										

DISSOLVED OXYGEN (DO), MG/L, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

[illegible]

LOCATION.--Lat 34°56'13", long 88°13'14", in NW¼ sec.35, T.1 S., R.10 E., Chickasaw meridian, Tishomingo County, in Yellow Creek Embayment of Pickwick Lake at mile 6 (9.6 km).

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

[illegible]

TENNESSEE RIVER BASIN

03592830 - YELLOW CREEK AT GOAT ISLAND NEAR DOSKIE, MISS.--CONTINUED

DATE: QUALITY DATE, DATE YEAR OCTOBER 3 1974 TO SEPTEMBER 1975

DATE	SOLUBLE				CHL 4-		CHL 4-		CHL 4-		CARRON DIOXIDE (CO ₂) (MG/L)	PHENOLS (UG/L)	TOTAL MERCURY IN BOTTOM MATERIAL (UG/G)
	CHL 4- ICHL (MG/L)	CHL 4- ICHL (MG/L)	CHL 4- ICHL (MG/L)	CHL 4- ICHL (MG/L)	CHL 4- ICHL (MG/L)	CHL 4- ICHL (MG/L)	CHL 4- ICHL (MG/L)	CHL 4- ICHL (MG/L)					
11-1-68	1.5	7.2	1.2	2.0	5.5	--	2.5	4.4	--	--	--	--	--
11-2-68	3.2	7.2	5.5	6.0	5.0	6	2.2	5.5	4.5	3	4.0	--	--
11-3-68	7.2	7.2	6.5	--	4.3	--	--	--	--	--	--	--	--
11-4-68	3.2	7.1	5.5	5.0	4.2	4	2.5	5.5	4.5	3	--	--	--
11-5-68	3.2	7.2	7.0	--	4.2	--	--	--	--	--	--	--	--
11-6-68	3.2	7.2	4.0	6.0	4.4	4	2.4	5.3	4.5	2	--	--	--
11-7-68	4.0	--	5.0	4.0	10.4	--	2.5	4.5	--	--	--	--	--
11-8-68	3.5	6.2	5.0	4.0	10.7	--	2.5	4.7	--	--	--	--	--
11-9-68	3.5	5.5	5.0	4.0	10.8	--	2.5	4.6	--	--	--	--	--
11-10-68	4.1	5.2	5.1	5.0	11.4	6	2.3	5.0	3.5	4	1.8	--	--
11-11-68	4.0	--	5.0	--	11.4	--	--	--	--	--	--	--	--
11-12-68	4.0	5.7	5.0	7.0	11.4	5	2.2	4.0	2.2	3	--	--	--
11-13-68	3.4	--	5.0	--	11.4	--	--	--	--	--	--	--	--
11-14-68	3.0	5.0	5.0	7.0	11.4	10	2.4	4.2	1.1	5	--	--	--
11-15-68	3.7	6.5	5.0	1.5	4.5	--	2.4	4.7	--	--	--	--	--
11-16-68	--	--	5.0	--	4.5	--	--	--	--	--	--	--	--
11-17-68	--	5.2	4.5	--	4.5	--	--	--	--	--	--	--	--
11-18-68	3.5	5.5	4.5	7.0	10.0	--	2.1	4.2	--	--	--	--	--
11-19-68	--	--	5.5	--	10.0	--	--	--	--	--	--	--	--
11-20-68	3.0	7.1	5.5	5.0	10.0	--	2.5	4.5	--	--	--	--	--
11-21-68	4.0	5.5	7.0	10.0	10.5	2	1.2	3.4	4.0	3	--	--	--
11-22-68	3.5	5.5	7.0	10.0	10.5	4	1.5	3.7	5.2	5.4	--	--	--
11-23-68	3.5	5.5	5.5	10.0	10.5	4	1.3	3.6	4.5	3	--	--	--
11-24-68	3.4	--	5.5	10.0	10.2	4	1.4	3.7	5.0	2	2.8	--	--
11-25-68	3.2	5.5	11.5	5.5	4.3	--	2.7	5.1	--	--	--	--	--
11-26-68	3.2	5.5	11.5	--	4.3	--	--	--	--	--	--	--	--
11-27-68	3.2	5.5	11.5	--	4.3	--	--	--	--	--	--	--	--
11-28-68	3.2	5.5	11.5	5.0	4.2	--	2.2	5.4	--	--	--	--	--
11-29-68	3.2	5.5	12.0	--	4.2	--	--	--	--	--	--	--	--
11-30-68	3.2	5.5	12.0	5.0	4.2	--	2.6	4.4	--	--	--	--	--
12-1-68	3.2	5.5	11.3	5.5	4.3	1.7	2.2	4.2	5.0	4	4.0	--	--
12-2-68	3.2	5.5	11.5	--	4.3	--	--	--	--	--	--	--	--
12-3-68	3.2	5.5	--	--	4.2	--	--	--	--	--	--	--	--
12-4-68	3.2	5.5	1										

REPORTING PERIOD: ANALYSIS, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

	ORTH (FT)	OLS- SOLUTION C(4) C(1) (MG/L)	315- SOLUTION (45) 5- 51104 (45) (6/L)
31...	1.0	--	--
15...	21	4.3	4.8
15...	15	--	--
15...	10	2.9	4.6
15...	8.0	--	--
15...	1.0	3.5	4.6
67...	1.0	--	--
67...	10	--	--
67...	15	--	--
15...	15	2.7	4.7
15...	10	--	--
15...	8.0	2.3	4.8
15...	7.0	--	--
15...	1.0	2.7	4.7
67...	15	--	--
67...	15	--	--
67...	10	--	--
67...	7.0	--	--
67...	7.0	--	--
67...	1.0	--	--
15...	1.0	2.0	4.4
15...	7.0	3.0	4.4
15...	10	2.4	4.4
15...	15	2.1	4.4
67...	2.4	--	--
67...	2.0	--	--
67...	15	--	--
67...	10	--	--
67...	7.0	--	--
67...	7.0	--	--
67...	1.0	--	--
15...	2.2	3.0	4.5
15...	2.0	--	--
15...	15	--	--
15...	10	2.2	4.5
15...	7.0	--	--

03592830 - YELLOW CREEK AT GOAT ISLAND NEAR BOSKIE, MISS.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	DEPTH (FT)	TEMPERATURE (°C)	TURBIDITY (JTU)	DISSOLVED OXYGEN (MG/L)	CHEMICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L)	BIOLOGICAL OXYGEN DEMAND (5 DAY (MG/L)	BIOLOGICAL OXYGEN DEMAND (30 DAY (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	PHENOLS (UG/L)	TOTAL MERCURY IN BOTTOM MATERIAL (UG/G)	
10-22											
10-22	32	6.4	12.5	5.5	9.4	15	2.5	4.5	4.3	5	--
10-22	41	6.4	14.0	6.5	8.2	--	2.1	3.9	--	--	--
10-22	41	--	14.0	--	8.2	--	--	--	--	--	--
10-22	38	--	14.0	--	8.2	--	--	--	--	--	--
10-22	34	6.5	14.0	6.5	8.2	--	2.3	4.2	--	--	--
10-22	36	--	14.0	--	8.3	--	--	--	--	--	--
10-22	36	6.7	14.0	6.5	8.4	--	1.4	3.2	--	--	--
10-22	50	6.7	14.0	3.5	7.6	8	1.7	4.1	4.4	3	1.1
10-22	68	--	14.0	--	7.9	--	--	--	--	--	--
10-22	50	6.9	14.0	4.0	8.3	10	2.3	4.1	3.8	2	--
10-22	48	--	14.0	--	8.5	--	--	--	--	--	--
10-22	41	6.9	14.0	4.5	8.8	8	1.9	4.2	3.2	5	--
10-22	32	6.9	14.0	1.5	5.1	--	2.2	4.7	--	--	--
10-22	32	--	14.0	--	5.1	--	--	--	--	--	--
10-22	48	--	14.0	--	6.9	--	--	--	--	--	--
10-22	48	6.1	21.0	5.0	7.9	--	2.1	4.1	--	--	--
10-22	42	--	22.0	--	7.3	--	--	--	--	--	--
10-22	42	6.5	22.0	5.0	7.7	--	1.5	3.2	--	--	--
10-22											
11-01											
11-01	50	6.4	24.0	5.5	6.4	2	2.2	3.9	14	4	--
11-01	42	6.4	24.0	5.0	5.7	4	1.5	4.1	14	4	--
11-01	41	6.5	24.0	11.0	5.9	8	1.1	3.6	22	2	0.4
11-01	40	7.7	24.5	5.0	4.3	--	.7	2.5	--	--	--
11-01	40	--	24.6	--	5.7	--	--	--	--	--	--
11-01	40	7.7	24.7	5.5	6.0	--	1.0	3.0	--	--	--
11-01	40	--	24.8	--	6.7	--	--	--	--	--	--
11-01	40	6.1	27.0	5.5	7.4	--	.9	3.3	--	--	--

SPECTROPHOTOMETRIC ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	DEPTH (FT)	DISSOLVED CALCIUM CHLORIDE (MG/L)	DISSOLVED SODIUM CHLORIDE (MG/L)
10...	1.0	1.9	.4
11...	21	--	--
12...	20	--	--
13...	15	--	--
14...	10	--	--
15...	5.0	--	--
16...	1.0	--	--
17...	20	4.4	1.5
18...	15	--	--
19...	10	4.6	1.3
20...	5.0	--	--
21...	1.0	5.1	1.3
22...	24	--	--
23...	20	--	--
24...	15	--	--
25...	10	--	--
26...	5.0	--	--
27...	1.0	--	--
10...	1.0	4.8	.9
11...	5.0	4.2	.9
12...	10	3.4	.5
13...	15	--	--
14...	15	--	--
15...	10	--	--
16...	5.0	--	--
17...	1.0	--	--

LOCATION.--Lat 34°59'25", long 88°12'48", in S½ sec.14, T.1 S., R.10 E., Chickasaw meridian, Tishomingo County, in Yellow Creek Embayment at Pickwick Lake at mile 1 (1.6 km).

PERIOD OF RECORD.--Chemical analyses: June 1974 to September 1975.

VALLEY, DALLAS, TEXAS, YEARS 1975-6, 1974 TO SEPTEMBER 1975

TENNESSEE RIVER BASIN

03592890 - YELLOW CREEK AT MILE ONE NEAR PINE FLAT, MISS.--CONTINUED

DATE OF QUALITY CHECK: DATE OF YEAR: OCTOBER 1974 TO SEPTEMBER 1975

DATE	KOP-CTFIC			COP-CTFIC			COP-CTFIC			COP-CTFIC			COP-CTFIC			COP-CTFIC			COP-CTFIC		
	DATE	TIME	TIME	DATE	TIME	TIME	DATE	TIME	TIME	DATE	TIME	TIME	DATE	TIME	TIME	DATE	TIME	TIME	DATE	TIME	TIME
01.01.1970	16.0	7.2	21.0	0	7.2	4	1.1	1.1	1.1	0	0	0	0	0	0	0	0	0	0	0	0
02.01.1970	16.0	7.0	21.0	1	7.1	5	1.1	1.1	1.1	0	0	0	0	0	0	0	0	0	0	0	0
03.01.1970	16.0	7.1	21.0	1	7.0	5	1.1	1.1	1.1	0	0	0	0	0	0	0	0	0	0	0	0
04.01.1970	16.0	7.1	21.0	1	7.0	5	1.1	1.1	1.1	0	0	0	0	0	0	0	0	0	0	0	0
05.01.1970	16.0	7.1	21.0	1	7.0	5	1.1	1.1	1.1	0	0	0	0	0	0	0	0	0	0	0	0
06.01.1970	16.0	7.1	21.0	1	7.0	5	1.1	1.1	1.1	0	0	0	0	0	0	0	0	0	0	0	0
07.01.1970	16.0	7.1	21.0	1	7.0	5	1.1	1.1	1.1	0	0	0	0	0	0	0	0	0	0	0	0
08.01.1970	16.0	7.1	21.0	1	7.0	5	1.1	1.1	1.1	0	0	0	0	0	0	0	0	0	0	0	0
09.01.1970	16.0	7.1	21.0	1	7.0	5	1.1	1.1	1.1	0	0	0	0	0	0	0	0	0	0	0	0
10.01.1970	16.0	7.1	21.0	1	7.0	5	1.1	1.1	1.1	0	0	0	0	0	0	0	0	0	0	0	0
11.01.1970	16.0	7.1	21.0	1	7.0	5	1.1	1.1	1.1	0	0	0	0	0	0	0	0	0	0	0	0
12.01.1970	16.0	7.1	21.0	1	7.0	5	1.1	1.1	1.1	0	0	0	0	0	0	0	0	0	0	0	0
13.01.1970	16.0	7.1	21.0	1	7.0	5	1.1	1.1	1.1	0	0	0	0	0	0	0	0	0	0	0	0
14.01.1970	16.0	7.1	21.0	1	7.0	5	1.1	1.1	1.1	0	0	0	0	0	0	0	0	0	0	0	0
15.01.1970	16.0	7.1	21.0	1	7.0	5	1.1	1.1	1.1	0	0	0	0	0	0	0	0	0	0	0	0
16.01.1970	16.0	7.1	21.0	1	7.0	5	1.1	1.1	1.1	0	0	0	0	0	0	0	0	0	0	0	0
17.01.1970	16.0	7.1	21.0	1	7.0	5	1.1	1.1	1.1	0	0	0	0	0	0	0	0	0	0	0	0
18.01.1970	16.0	7.1	21.0	1	7.0	5	1.1	1.1	1.1	0	0	0	0	0	0	0	0	0	0	0	0
19.01.1970	16.0	7.1	21.0	1	7.0	5	1.1	1.1	1.1	0	0	0	0	0	0	0	0	0	0	0	0
20.01.1970	16.0	7.1	21.0	1	7.0	5	1.1	1.1	1.1	0	0	0	0	0	0	0	0	0	0	0	0
21.01.1970	16.0	7.1	21.0	1	7.0	5	1.1	1.1	1.1	0	0	0	0	0	0	0	0	0	0	0	0
22.01.1970	16.0	7.1	21.0	1	7.0	5	1.1	1.1	1.1	0	0	0	0	0	0	0	0	0	0	0	0

SPECTROSCOPIC ANALYSIS, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	POSTED (FT)	TOTAL		SLS- SOLVET		TOTAL		TOTAL		TOTAL	
		(FT)	(LBS)	(LBS)	(LBS)	(FT)	(LBS)	(FT)	(LBS)	(FT)	(LBS)
02...	1.0	--	--	17	3.5	--	--	--	--	--	--
02...	2.0	--	--	--	--	--	--	--	--	--	--
02...	1.1	--	--	18	3.5	--	--	--	--	--	--
02...	1.5	--	--	--	--	--	--	--	--	--	--
02...	2.0	--	--	18	3.4	--	--	--	--	--	--
02...	2.5	--	--	--	--	--	--	--	--	--	--
02...	2.0	--	--	--	--	--	--	--	--	--	--
02...	2.5	--	--	18	3.7	--	--	--	--	--	--
03...	1.0	--	--	--	--	--	--	--	--	--	--
03...	2.0	--	--	--	--	--	--	--	--	--	--
03...	1.0	--	--	--	--	--	--	--	--	--	--
03...	1.5	--	--	--	--	--	--	--	--	--	--
03...	2.0	--	--	--	--	--	--	--	--	--	--
03...	2.5	--	--	--	--	--	--	--	--	--	--
03...	2.0	--	--	--	--	--	--	--	--	--	--
23...	1.1	15.1	3	18	3.7	1	<1.0	3	0	--	--
23...	2.0	--	--	--	--	--	--	--	--	--	--
23...	1.0	21.0	3.0	18	3.5	1	<1.0	1.2	2.1	2.1	2.1
23...	1.5	--	--	--	--	--	--	--	--	--	--
23...	2.0	21.0	4.5	17	3.5	1	<1.0	2.5	2.9	2.9	2.9
23...	2.5	--	--	--	--	--	--	--	--	--	--
23...	4.0	--	--	--	--	--	--	--	--	--	--
23...	3.5	21.0	4.5	18	3.5	1	<1.0	1.9	7	--	--
04...	1.0	--	--	--	--	--	--	--	--	--	--
04...	2.0	--	--	--	--	--	--	--	--	--	--
04...	1.1	--	--	--	--	--	--	--	--	--	--
04...	1.5	--	--	--	--	--	--	--	--	--	--
04...	2.0	--	--	--	--	--	--	--	--	--	--
04...	2.5	--	--	--	--	--	--	--	--	--	--
23...	1.0	--	--	18	3.4	--	--	--	--	--	--
23...	1.5	--	--	--	--	--	--	--	--	--	--
23...	2.0	--	--	18	3.4	--	--	--	--	--	--
23...	2.5	--	--	--	--	--	--	--	--	--	--
23...	3.0	--	--	17	3.4	--	--	--	--	--	--

03592490 - YELLOW CREEK AT MILE ONE NEAR PINE FLAT, MISS.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	SOFT CIEFC CON- DUCT- ANCE (MICRO- MHOS)	TEMPER- ATURE (DEG F)	TURB- IDITY (NTU)	DISS- SOLVED (MG/L)	CHLOR- IDE (MG/L)	CHLOR- IDE (MG/L)	CHLOR- IDE (MG/L)	CHLOR- IDE (MG/L)	CHLOR- IDE (MG/L)	CHLOR- IDE (MG/L)	TOTAL SOLIDS (MG/L)
00...											
02...	160	7.4	14.1	15	8.2	12	1.1	3.1	3.4	0	4.4
02...	140	7.2	9.3	10	10.9	--	1.5	3.4	--	--	--
02...	140	--	9.9	--	9.7	--	--	--	--	--	--
02...	140	7.3	9.5	10	9.6	--	1.9	3.6	--	--	--
02...	140	--	9.5	--	9.5	--	--	--	--	--	--
02...	135	7.3	9.5	10	9.5	--	2.0	3.6	--	--	--
02...	135	--	9.3	--	9.4	--	--	--	--	--	--
02...	140	--	9.5	--	9.5	--	--	--	--	--	--
02...	140	7.3	9.5	10	9.3	--	1.5	3.6	--	--	--
17...	160	7.2	7.0	7	11.2	0	2.2	3.3	5.2	58	37
17...	160	--	7.3	--	11.1	--	--	--	--	--	--
17...	155	7.1	7.0	5	11.2	3	2.0	3.3	5.2	1	2.4
17...	155	--	7.0	--	11.0	--	--	--	--	--	--
17...	150	7.1	7.0	9	11.2	4	2.4	4.2	6.4	2	--
17...	150	--	7.0	--	11.2	--	--	--	--	--	--
17...	150	7.0	7.0	10	11.4	10	1.4	3.5	3.0	1	--
31...	70	6.5	7.0	20	10.2	--	2.3	4.5	--	--	--
31...	80	--	7.0	--	10.2	--	--	--	--	--	--
31...	85	--	7.5	--	10.2	--	--	--	--	--	--
31...	85	6.7	7.0	20	10.2	--	2.3	4.5	--	--	--
31...	75	--	7.0	--	10.3	--	--	--	--	--	--
31...	65	6.5	6.5	30	10.2	--	2.4	4.5	--	--	--
31...	65	7.4	6.0	--	10.1	--	--	--	--	--	--
31...	65	7.2	6.5	30	10.1	--	2.3	4.5	--	--	--
15...	75	6.5	7.0	40	10.0	4	2.5	4.5	4.0	4	31
15...	75	--	7.0	--	10.3	--	--	--	--	--	--
15...	75	--	7.0	--	10.0	--	--	--	--	--	--
15...	75	6.5	7.0	40	10.4	8	2.3	4.4	4.0	4	--
15...	60	--	7.0	--	10.4	--	--	--	--	--	--
15...	55	6.4	7.0	40	10.4	6	2.4	4.4	2.5	6	--
15...	55	--	7.0	--	9.5	--	--	--	--	--	--
15...	55	--	7.0	--	10.1	--	--	--	--	--	--
15...	55	6.4	7.0	40	10.3	--	2.0	4.1	3.3	5	--
27...	55	6.5	6.0	50	11.1	--	2.5	4.5	--	--	--
27...	60	--	6.0	--	11.0	--	--	--	--	--	--
27...	65	--	6.0	--	11.0	--	--	--	--	--	--
27...	70	6.4	6.0	40	11.2	--	2.5	4.7	--	--	--
27...	70	--	6.0	--	11.2	--	--	--	--	--	--

SPECTROPHOTOMETRIC ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	DEPTH (FT)	DISS- SOLVED (MG/L)	CHLOR- IDE (MG/L)
00...			
02...	35	1.1	3.4
02...	1.0	--	--
02...	5.0	--	--
02...	10	--	--
02...	15	--	--
02...	20	--	--
02...	25	--	--
02...	30	--	--
02...	33	--	--
17...	42	1.5	3.2
17...	25	--	--
17...	20	1.5	3.4
17...	15	--	--
17...	10	1.4	3.2
17...	5.0	--	--
17...	1.0	1.5	3.2
31...	46	--	--
31...	40	--	--
31...	25	--	--
31...	20	--	--
31...	15	--	--
31...	10	--	--
31...	5.0	--	--
31...	1.0	--	--
15...	44	3.5	1.1
15...	35	--	--
15...	30	--	--
15...	25	4.1	1.1
15...	20	--	--
15...	15	4.1	1.1
15...	10	--	--
15...	5.0	--	--
15...	1.0	3.4	1.1
27...	33	--	--
27...	30	--	--
27...	25	--	--
27...	20	--	--
27...	15	--	--

03592890 - YELLOW CREEK AT MILE ONE NEAR PINE FLAT, MISS.--CONTINUED
WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	SPF- CITIC CON- DUCT- ANCE (MICRO- MHO/C)	TEMP- ATURE (DEG F)	TURB- IDITY (JTU)	TSS- SOLVABLE OXYGEN (MG/L)	CHEM- ICAL OXYGEN LEVEL (MG/L)	BIO- CHEM- ICAL OXYGEN LEVEL (MG/L)	PH- CAL OXYGEN LEVEL (MG/L)	CALCULATED DIOXIDE (MG/L)	PHOSPHORUS (MG/L)	TOTAL SOLUBLE PHOSPHORUS (MG/L)
JAN.										
27...	75	6.3	5.5	40	11.2	--	2.5	4.3	--	--
27...	80	--	5.5	--	11.1	--	--	--	--	--
27...	80	5.4	5.5	40	11.1	--	2.4	4.4	--	--
FEB.										
13...	60	6.4	7.0	50	10.0	6	1.4	3.4	10	35
13...	--	--	7.0	--	10.0	--	--	--	--	--
13...	56	6.6	7.0	30	10.0	6	2.1	4.1	4.1	--
13...	--	--	7.0	--	10.0	--	--	--	--	--
13...	56	6.6	7.0	40	10.0	6	2.4	4.7	5.4	--
13...	--	--	7.0	--	10.0	--	--	--	--	--
13...	--	--	7.0	--	10.0	--	--	--	--	--
13...	56	6.7	7.0	30	10.0	6	2.2	4.0	4.4	--
26...	63	7.0	7.0	50	10.1	--	3.0	5.2	--	--
26...	63	7.0	7.0	--	10.1	--	--	--	--	--
26...	62	7.0	7.0	50	10.2	--	2.1	4.4	--	--
26...	61	7.0	7.0	--	10.2	--	--	--	--	--
26...	60	7.0	7.0	50	10.2	--	1.3	4.3	--	--
26...	60	7.0	7.0	--	10.2	--	--	--	--	--
26...	60	7.0	7.0	50	10.2	--	2.2	4.0	--	--
MAR.										
11...	56	6.4	7.5	60	10.3	4	1.5	3.7	3.4	31
11...	70	--	7.5	--	10.3	--	--	--	--	--
11...	73	--	7.5	--	10.4	--	--	--	--	--
11...	77	--	7.5	--	10.5	--	--	--	--	--
11...	80	6.6	7.5	50	10.5	6	1.4	3.7	6.5	--
11...	74	--	7.5	--	10.5	--	--	--	--	--
11...	70	--	7.5	--	10.5	--	--	--	--	--
11...	53	7.1	7.5	50	10.5	4	1.6	3.7	3.3	7
26...	70	7.5	10.5	30	9.4	--	3.5	6.3	--	--
26...	70	7.1	10.5	--	9.4	--	--	--	--	--
26...	70	7.1	10.5	--	9.5	--	--	--	--	--
26...	70	7.1	10.5	30	9.5	--	2.4	4.6	--	--
26...	70	7.1	10.5	--	9.6	--	--	--	--	--
26...	70	7.1	10.5	--	9.6	--	--	--	--	--
26...	70	7.1	10.5	30	9.6	--	2.3	4.6	--	--
26...	70	7.1	10.5	--	9.6	--	--	--	--	--
26...	70	7.1	10.5	30	9.6	--	2.1	4.3	--	--
26...	70	7.1	10.5	--	9.7	--	--	--	--	--
APR.										
10...	46	6.4	11.0	40	7.4	12	2.1	3.4	5.7	2.5

SPECTROGRAPHIC ANALYSIS, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	DEPTH (FT)	TSS- SOLVABLE OXYGEN (MG/L)	TSS- SOLVABLE OXYGEN (MG/L)
JAN.			
27...	10	--	--
27...	5.0	--	--
27...	1.0	--	--
FEB.			
13...	32	5.1	1.1
13...	30	--	--
13...	25	5.1	1.1
13...	20	--	--
13...	15	5.0	1.1
13...	10	--	--
13...	5.0	--	--
13...	1.0	5.0	1.1
26...	33	--	--
26...	30	--	--
26...	25	--	--
26...	20	--	--
26...	15	--	--
26...	10	--	--
26...	5.0	--	--
26...	1.0	--	--
MAR.			
11...	36	5.1	1.2
11...	30	--	--
11...	25	--	--
11...	20	--	--
11...	15	5.0	1.2
11...	10	--	--
11...	5.0	--	--
11...	1.0	5.0	1.2
26...	43	--	--
26...	40	--	--
26...	35	--	--
26...	30	--	--
26...	25	--	--
26...	20	--	--
26...	15	--	--
26...	10	--	--
26...	5.0	--	--
APR.			
10...	35	5.2	1.2

03592890 - YELLOW CREEK AT MILE ONE NEAR PINE FLAT, MISS.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	DEPTH (FT)	PHOSPHATE AS P (MG/L)	CARBO- NATE (MG/L)	ALKALI- LIMITY AS CACO3 (MG/L)	DISS- SOLVED SULFATE (MG/L)	DISS- SOLVED CHLOR- IDE (MG/L)	TOTAL NITRATE (MG/L)	TOTAL NITRITE (MG/L)	TOTAL NITRATE PLUS NITRITE (MG/L)	AMMONIA NITRO- GEN (MG/L)	TOTAL ORGANIC NITRO- GEN (MG/L)
JUNE												
25...	0955	24	--	--	--	--	--	--	--	--	--	--
25...	0954	27	--	--	--	--	--	--	--	--	--	--
25...	1000	25	--	--	--	--	--	--	--	--	--	--
25...	1004	29	--	--	--	--	--	--	--	--	--	--
25...	1007	15	--	--	--	--	--	--	--	--	--	--
25...	1010	10	--	--	--	--	--	--	--	--	--	--
25...	1012	5.0	--	--	--	--	--	--	--	--	--	--
25...	1015	1.0	--	--	--	--	--	--	--	--	--	--
JULY												
10...	0900	37	63	0	56	9.6	3.4	.25	.01	.26	.05	.26
10...	0905	35	--	--	--	--	--	--	--	--	--	--
10...	0910	30	--	--	--	--	--	--	--	--	--	--
10...	0920	25	63	0	56	9.3	3.4	.25	.01	.26	.05	.23
10...	0930	20	--	--	--	--	--	--	--	--	--	--
10...	0945	15	69	0	57	9.0	3.4	.25	.01	.26	.05	.12
10...	0950	10	--	--	--	--	--	--	--	--	--	--
10...	1000	5.0	--	--	--	--	--	--	--	--	--	--
10...	1010	1.0	62	0	51	8.8	3.6	.05	.00	.06	.00	.27
AUG.												
06...	0935	35	64	0	56	10	4.2	.21	.03	.24	.01	.23
06...	0940	30	--	--	--	--	--	--	--	--	--	--
06...	0950	25	67	0	55	10	4.4	.19	.01	.20	.00	.15
06...	1000	20	--	--	--	--	--	--	--	--	--	--
06...	1015	15	62	0	51	9.8	3.9	.19	.00	.19	.00	.29
06...	1020	10	--	--	--	--	--	--	--	--	--	--
06...	1030	5.0	--	--	--	--	--	--	--	--	--	--
06...	1035	1.0	64	0	48	8.3	3.7	.11	.01	.12	.00	.23
SEP.												
03...	0940	35	66	0	45	11	5.1	.21	.00	.21	.02	.21
03...	0950	30	--	--	--	--	--	--	--	--	--	--
03...	1000	25	67	0	47	9.7	4.9	.21	.00	.21	.02	.07
03...	1010	20	--	--	--	--	--	--	--	--	--	--
03...	1015	15	66	0	54	11	5.5	.19	.00	.19	.01	.05
03...	1020	10	--	--	--	--	--	--	--	--	--	--
03...	1025	5.0	--	--	--	--	--	--	--	--	--	--
03...	1030	1.0	64	0	56	11	5.7	.00	.00	.06	.15	.13

DATE	TOTAL KILF- DAHL NITRO- GEN (MG/L)	TOTAL NITRO- GEN (MG/L)	TOTAL NITRO- GEN (MG/L)	TOTAL PHOS- PHORUS (MG/L)	DISS- SOL- VED PHOS- PHORUS (MG/L)	DISS- SOLVED SOLIDS (RESI- DUE AT 100 C) (MG/L)	DISS- SOLVED SOLIDS (TDS) PER AC-FT	TOTAL NON- FILT- ABLE RESIDUE (MG/L)	VOL- NON- FILT- ABLE RESIDUE (MG/L)	HARD- NESS (CA+MG)	NON- CAR- BONATE HARD- NESS (MG/L)
JUNE											
25...	--	--	--	--	--	--	--	--	--	--	--
25...	--	--	--	--	--	--	--	--	--	--	--
25...	--	--	--	--	--	--	--	--	--	--	--
25...	--	--	--	--	--	--	--	--	--	--	--
25...	--	--	--	--	--	--	--	--	--	--	--
25...	--	--	--	--	--	--	--	--	--	--	--
25...	--	--	--	--	--	--	--	--	--	--	--
25...	--	--	--	--	--	--	--	--	--	--	--
JULY											
10...	.31	.57	2.5	.06	.03	103	.14	15	7	54	4
10...	--	--	--	--	--	--	--	--	--	--	--
10...	--	--	--	--	--	--	--	--	--	--	--
10...	.15	.44	1.9	.06	.03	90	.12	15	6	72	15
10...	--	--	--	--	--	--	--	--	--	--	--
10...	.17	.43	1.9	.05	.01	95	.12	15	3	50	4
10...	--	--	--	--	--	--	--	--	--	--	--
10...	--	--	--	--	--	--	--	--	--	--	--
10...	.27	.33	1.5	.04	.00	100	.14	5	4	50	3
AUG.											
06...	.24	.43	2.1	.05	.02	76	.10	11	7	54	13
06...	--	--	--	--	--	--	--	--	--	--	--
06...	.16	.35	1.6	.04	.02	75	.10	5	4	52	7
06...	--	--	--	--	--	--	--	--	--	--	--
06...	.20	.40	2.1	.04	.02	78	.11	15	4	59	5
06...	--	--	--	--	--	--	--	--	--	--	--
06...	--	--	--	--	--	--	--	--	--	--	--
06...	.23	.35	1.6	.02	.01	52	.03	15	5	53	5
SEP.											
03...	.23	.44	1.9	.06	.01	90	.11	22	7	54	7
03...	--	--	--	--	--	--	--	--	--	--	--
03...	.11	.32	1.4	.06	.01	70	.10	11	0	56	4
03...	--	--	--	--	--	--	--	--	--	--	--
03...	.06	.25	1.1	.04	.00	77	.12	15	0	190	47
03...	--	--	--	--	--	--	--	--	--	--	--
03...	--	--	--	--	--	--	--	--	--	--	--
03...	.21	.27	1.6	.03	.00	76	.10	5	0	53	7

03592890 - YELLOW CREEK AT MILE ONE NEAR PINE FLAT, MISS.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	DEPTH (FEET)	TEMPERATURE (°C)	TOTAL DISSOLVED SOLIDS (TDS) (MG/L)	CHLORIDE (CL) (MG/L)	SULFATE (SO4) (MG/L)	CALCIUM (CA) (MG/L)	MAGNESIUM (MG)	CARBONATE (CO3) (MG/L)	PHOSPHORUS (P) (MG/L)	TOTAL FECAL COLIFORM COUNT (PER 100 ML)
APR										
10...	--	11.0	--	9.5	--	--	--	--	--	--
10...	41	5.4	11.5	20	9.0	10	2.2	3.8	5.1	3
10...	--	--	11.5	--	9.7	--	--	--	--	--
10...	100	7.0	11.5	20	9.4	15	2.1	3.8	7.2	3
10...	--	--	12.0	--	9.3	--	--	--	--	--
10...	--	--	12.0	--	9.5	--	--	--	--	--
10...	130	6.4	12.5	40	9.2	12	2.4	4.4	2.8	3
22...	90	7.2	14.0	30	8.3	--	3.4	5.5	--	--
22...	80	--	14.0	--	8.4	--	--	--	--	--
22...	85	--	13.0	--	8.5	--	--	--	--	--
22...	85	7.3	13.5	20	9.0	--	2.2	3.0	--	--
22...	105	--	14.0	--	8.0	--	--	--	--	--
22...	150	7.4	14.0	10	8.3	--	2.2	3.8	--	--
22...	145	--	14.0	--	8.3	--	--	--	--	--
22...	140	--	14.5	--	8.4	--	--	--	--	--
22...	140	7.7	14.5	15	8.5	--	2.4	4.0	--	--
MAY										
04...	150	7.4	17.0	10	8.9	8	1.5	3.7	3.3	5
04...	153	--	17.0	--	8.9	--	--	--	--	--
04...	150	--	17.5	--	7.7	--	--	--	--	--
04...	150	7.4	15.0	6	8.0	8	1.9	3.0	3.5	3
04...	150	--	14.0	--	8.0	--	--	--	--	--
04...	140	7.5	14.5	7	8.0	8	1.3	4.0	2.7	5
04...	120	--	14.0	--	8.2	--	--	--	--	--
04...	100	--	14.0	--	8.2	--	--	--	--	--
04...	90	7.6	14.5	20	8.4	10	2.1	4.5	1.2	5
20...	45	5.5	14.0	50	6.0	--	2.5	4.0	--	--
20...	50	--	14.0	--	6.0	--	--	--	--	--
20...	50	6.4	14.0	--	6.2	--	--	--	--	--
20...	80	6.4	14.0	60	6.5	--	2.5	4.0	--	--
20...	90	--	14.0	--	6.5	--	--	--	--	--
20...	120	7.0	20.1	5	6.6	--	2.4	3.7	--	--
20...	100	--	21.0	--	6.6	--	--	--	--	--
20...	90	--	21.0	--	7.3	--	--	--	--	--
20...	80	7.4	21.5	10	8.8	--	2.4	3.6	--	--
JUNE										
11...	50	5.3	21.0	50	7.2	8	1.5	3.4	13	5
11...	50	6.4	21.0	55	7.1	8	1.4	3.7	17	21
11...	40	5.2	21.0	65	7.0	10	2.7	4.5	23	7
11...	45	5.2	21.0	55	7.0	8	1.5	3.3	22	4

SPECTROGRAPHIC ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	DEPTH (FT)	DISSOLVED SOLIDS (TDS) (MG/L)	DISSOLVED SOLIDS (TDS) (MG/L)
APR			
10...	30	--	--
10...	25	6.0	.9
10...	20	--	--
10...	15	9.0	1.3
10...	10	--	--
10...	5.0	--	--
10...	1.0	9.5	.9
22...	34	--	--
22...	35	--	--
22...	30	--	--
22...	25	--	--
22...	20	--	--
22...	15	--	--
22...	10	--	--
22...	5.0	--	--
22...	1.0	--	--
MAY			
04...	37	10	2.9
04...	35	--	--
04...	30	--	--
04...	25	15	2.9
04...	20	--	--
04...	15	15	2.8
04...	10	--	--
04...	5.0	--	--
04...	1.0	11	1.9
20...	37	--	--
20...	35	--	--
20...	30	--	--
20...	25	--	--
20...	20	--	--
20...	15	--	--
20...	10	--	--
20...	5.0	--	--
20...	1.0	--	--
JUNE			
11...	1.0	5.0	1.4
11...	5.0	4.3	1.1
11...	10	--	--
11...	15	7.5	1.2

03592890 - YELLOW CREEK AT MILE ONE NEAR PINE FLAT, MISS.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	CODE- CIFIC CODE- DUCT- 45CFE (%F2O- MAGS)	PH (UNITS)	TEMPER- ATURE (DEG C)	TUR- BID- ITY (JTU)	DIS- SOLVED OXYGEN (MG/L)	CHEM- ICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L)	RIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)
JUNE							
25...	160	7.4	23.5	20	3.0	--	1.2
25...	160	--	24.0	--	3.2	--	--
25...	160	7.7	25.0	5	5.7	--	1.2
25...	--	--	25.0	--	6.2	--	--
25...	200	7.6	25.0	4	5.5	--	1.0
25...	160	--	25.5	--	7.4	--	--
25...	--	--	26.0	--	7.9	--	--
25...	170	5.4	25.0	15	8.3	--	1.3
JULY							
10...	160	7.3	25.5	5	3.0	4	1.5
10...	175	--	25.5	--	3.0	--	--
10...	170	--	26.0	--	4.9	--	--
10...	170	7.3	25.0	6	5.4	12	1.2
10...	170	--	25.0	--	5.4	10	--
10...	170	7.4	25.0	3	5.5	10	1.4
10...	170	--	25.0	--	5.8	--	--
10...	165	--	26.0	--	6.5	--	--
10...	160	6.4	25.5	5	9.1	6	2.4
10...	--	--	--	--	--	--	--
AUGUST							
16...	165	7.0	24.0	10	5.2	12	1.7
06...	163	--	24.0	--	6.1	--	--
06...	160	7.2	24.0	6	6.1	2	1.8
06...	165	--	24.0	--	5.6	--	--
06...	161	7.4	24.0	7	5.9	4	1.2
06...	165	--	24.0	--	6.5	--	--
06...	160	--	24.0	--	7.9	--	--
06...	160	8.0	24.5	9	8.2	4	1.8
06...	--	--	--	--	--	--	--
SEPTEMBER							
03...	120	6.5	25.5	35	1.8	4	1.2
03...	115	--	25.5	--	2.0	--	--
03...	110	5.5	25.5	30	2.5	6	1.2
03...	130	--	26.0	--	3.8	--	--
03...	140	6.5	26.0	7	4.7	--	.3
03...	160	--	26.0	--	5.5	--	--
03...	165	--	26.5	--	9.2	--	--
03...	160	6.5	26.5	2	9.3	4	1.5
03...	--	--	--	--	--	--	--

DATE	CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)
JUNE						
25...	3.2	--	--	--	--	--
25...	--	--	--	--	--	--
25...	3.1	--	--	--	--	--
25...	--	--	--	--	--	--
25...	3.1	--	--	--	--	--
25...	--	--	--	--	--	--
25...	--	--	--	--	--	--
25...	4.1	--	--	--	--	--
JULY						
10...	--	5.5	7	1	.2	--
10...	--	--	--	--	--	--
10...	--	--	--	--	--	--
10...	--	5.5	64	1	.1	--
10...	--	--	--	--	--	--
10...	--	4.4	150	1	.1	--
10...	--	--	--	--	--	--
10...	--	--	--	--	--	--
10...	--	4.9	10	0	.1	--
10...	--	--	--	--	--	16
AUGUST						
06...	--	11	--	--	--	--
06...	--	--	--	--	--	--
06...	--	5.4	--	--	--	--
06...	--	--	--	--	--	--
06...	--	3.5	--	--	--	--
06...	--	--	--	--	--	--
06...	--	--	--	--	--	--
06...	--	6.7	--	--	--	--
06...	--	--	--	--	--	19
SEPTEMBER						
03...	--	2.4	--	--	--	--
03...	--	--	--	--	--	--
03...	--	2.4	--	--	--	--
03...	--	--	--	--	--	--
03...	--	3.3	--	--	--	--
03...	--	--	--	--	--	--
03...	--	--	--	--	--	--
03...	--	3.4	--	--	--	--
03...	--	3.4	--	--	--	--
03...	--	--	--	--	--	11

03592890 - YELLOW CREEK AT MILE ONE NEAR PINE FLAT, MISS.--CONTINUED
SPECTROGRAPHIC ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	DEPTH (FT)	TOTAL IRON (FE) (UG/L)	TOTAL MANG- NESE (MN) (UG/L)	DISE- SOLVED CAL- CIUM (CA) (MG/L)	DISE- SOLVED MAG- NE- SIUM (MG) (MG/L)	TOTAL CAD- MIUM (CD) (UG/L)	TOTAL CHRO- MIUM (CR) (UG/L)	TOTAL COPPER (CU) (UG/L)	TOTAL LEAD (P4) (UG/L)	TOTAL ZINC (ZM) (UG/L)
JUNE										
25...	36	--	--	--	--	--	--	--	--	--
25...	30	--	--	--	--	--	--	--	--	--
25...	25	--	--	--	--	--	--	--	--	--
25...	20	--	--	--	--	--	--	--	--	--
25...	15	--	--	--	--	--	--	--	--	--
25...	10	--	--	--	--	--	--	--	--	--
25...	5.0	--	--	--	--	--	--	--	--	--
25...	1.0	--	--	--	--	--	--	--	--	--
JULY										
10...	37	520	90	14	3.5	1	<10	2	19	30
10...	35	--	--	--	--	--	--	--	--	--
10...	30	--	--	--	--	--	--	--	--	--
10...	25	550	40	23	3.5	1	<10	2	14	110
10...	20	--	--	--	--	--	--	--	--	--
10...	15	420	60	14	3.7	1	<10	5	19	60
10...	10	--	--	--	--	--	--	--	--	--
10...	5.0	--	--	--	--	--	--	--	--	--
10...	1.0	440	20	18	3.7	1	<10	3	15	40
AUG.										
06...	35	--	--	21	3.4	--	--	--	--	--
06...	30	--	--	--	--	--	--	--	--	--
06...	25	--	--	14	3.6	--	--	--	--	--
06...	20	--	--	--	--	--	--	--	--	--
06...	15	--	--	14	3.4	--	--	--	--	--
06...	10	--	--	--	--	--	--	--	--	--
06...	5.0	--	--	--	--	--	--	--	--	--
06...	1.0	--	--	16	3.1	--	--	--	--	--
SEP.										
03...	35	--	--	16	3.2	--	--	--	--	--
03...	30	--	--	--	--	--	--	--	--	--
03...	25	--	--	17	3.2	--	--	--	--	--
03...	20	--	--	--	--	--	--	--	--	--
03...	15	--	--	34	4.0	--	--	--	--	--
03...	10	--	--	--	--	--	--	--	--	--
03...	5.0	--	--	--	--	--	--	--	--	--
03...	1.0	--	--	14	3.7	--	--	--	--	--

07287120 YAZOO RIVER AT SHELL BLUFF NEAR MORGAN CITY, MISS.
(National stream-quality accounting network)

LOCATION.--Lat 33°23'11", long 70°18'02", in SE¼ sec.28, T.18 N., R.1 W., Choctaw meridian, Leflore County, on downstream side of bridge on county road, 3 miles (4.83 km) east of Morgan City, 1 mile (1.61 km) east of intersection of county road and State Highway 7, and at mile 145.8 (234.59 km).

DRAINAGE AREA.--7,650 mi² (19,810 km²), approximately.

PERIOD OF RECORD.--Chemical analyses: October 1974 to September 1975.

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTAN- TANEOUS DIS- CHARGE (CFS)	BICAR- BONATE (HCO ₃) (MG/L)	CAR- BONATE (CO ₃) (MG/L)	ALKA- LITY AS CaCO ₃ (MG/L)	DIS- SOLVED SULFATE (SO ₄) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	DIS- SOLVED FLUO- RIDE (F) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)
OCT.										
09...	1900	14200	24	0	20	5.2	4.0	.2	.09	.45
NOV.										
05...	0950	13300	29	0	24	5.1	3.0	.2	.08	.29
DEC.										
02...	1100	10000	27	0	22	7.3	3.9	.1	.05	.48
JAN.										
03...	1300	20000	26	--	21	3.2	4.9	.1	.21	1.0
FEB.										
05...	1200	28000	18	--	15	7.7	3.5	.3	.17	.74
MAR.										
05...	1330	27500	20	--	16	7.3	2.8	.4	.28	.84
APR.										
02...	1230	26500	16	0	13	5.4	2.5	.1	.22	.81
MAY										
13...	1030	24000	27	0	22	5.7	3.2	.1	.46	1.3
JUNE										
09...	1800	16000	24	0	20	5.7	2.7	.1	.40	.81
JULY										
02...	0700	12500	30	0	25	5.5	2.7	.1	.23	.38
AUG.										
06...	1100	13500	32	0	26	5.0	3.3	.4	.41	1.3
SEP.										
11...	1100	12000	30	0	25	5.5	2.9	.1	.07	.41

DATE	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO ₃) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOLVED SOLIDS (RESI- DUE AT 150 C) (MG/L)	DIS- SOLVED SOLIDS (SUM OF CONSTITU- ENTS) (MG/L)	DIS- SOLVED SOLIDS (TONS PER AC-FT)	DIS- SOLVED SOLIDS (TONS PER DAY)	HARD- NESS (CA+MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)
OCT.									
09...	.54	2.4	.10	30	41	.04	1150	23	4
NOV.									
05...	.37	1.6	.12	70	42	.10	2510	25	1
DEC.									
02...	.53	2.3	.10	80	50	.11	2160	37	14
JAN.									
04...	1.2	5.4	.23	53	49	.07	2460	24	3
FEB.									
05...	.91	4.0	.28	43	39	.06	3250	17	2
MAR.									
05...	1.1	5.0	.33	37	39	.05	2750	20	4
APR.									
02...	1.0	4.6	.33	61	30	.08	4360	13	0
MAY									
13...	1.8	7.2	.42	48	43	.07	3110	25	3
JUNE									
09...	1.2	5.4	.29	46	39	.06	1990	21	1
JULY									
02...	.51	2.7	.16	54	45	.07	1420	29	4
AUG.									
06...	1.7	7.6	.33	60	50	.08	2190	30	4
SEP.									
11...	.44	2.1	.05	40	44	.05	1300	24	0

PHYTOPLANKTON

DATE	TIME	ORGANISM	CELLS/ML	PERCENT	ORGANISM	CELLS/ML	PERCENT
OCT 09	1800	CYANOPHYTA	2220	50	CYANOPHYTA	259	7
		MYXOPHYCEAE			MYXOPHYCEAE	185	5
		OSCILLATORIACEAE			OSCILLATORIACEAE		
		NOSTOCACEAE	592	16	NOSTOCACEAE		
		CYANOPHYTA			CYANOPHYTA		
		CHLOROPHYCEAE			CHLOROPHYCEAE		
		CENTRALES			CENTRALES		
		RACILLARIOPHYCEAE			RACILLARIOPHYCEAE		
		OSCILLATORIACEAE			OSCILLATORIACEAE		
		COSCIINOIACEAE			COSCIINOIACEAE		
		MELOSIACEAE			MELOSIACEAE		
		CYANOPHYTA			CYANOPHYTA		
		MYXOPHYCEAE			MYXOPHYCEAE		
		OSCILLATORIACEAE			OSCILLATORIACEAE		
		NOSTOCACEAE			NOSTOCACEAE		
		CYANOPHYTA			CYANOPHYTA		
		CHLOROPHYCEAE			CHLOROPHYCEAE		
		CENTRALES			CENTRALES		
		RACILLARIOPHYCEAE			RACILLARIOPHYCEAE		
		OSCILLATORIACEAE			OSCILLATORIACEAE		
		COSCIINOIACEAE			COSCIINOIACEAE		
		MELOSIACEAE			MELOSIACEAE		
		CYANOPHYTA			CYANOPHYTA		
		MYXOPHYCEAE			MYXOPHYCEAE		
		OSCILLATORIACEAE			OSCILLATORIACEAE		
		NOSTOCACEAE			NOSTOCACEAE		
		CYANOPHYTA			CYANOPHYTA		
		CHLOROPHYCEAE			CHLOROPHYCEAE		
		CENTRALES			CENTRALES		
		RACILLARIOPHYCEAE			RACILLARIOPHYCEAE		
		OSCILLATORIACEAE			OSCILLATORIACEAE		
		COSCIINOIACEAE			COSCIINOIACEAE		
		MELOSIACEAE			MELOSIACEAE		
		CYANOPHYTA			CYANOPHYTA		
		MYXOPHYCEAE			MYXOPHYCEAE		
		OSCILLATORIACEAE			OSCILLATORIACEAE		
		NOSTOCACEAE			NOSTOCACEAE		
		CYANOPHYTA			CYANOPHYTA		
		CHLOROPHYCEAE			CHLOROPHYCEAE		
		CENTRALES			CENTRALES		
		RACILLARIOPHYCEAE			RACILLARIOPHYCEAE		
		OSCILLATORIACEAE			OSCILLATORIACEAE		
		COSCIINOIACEAE			COSCIINOIACEAE		
		MELOSIACEAE			MELOSIACEAE		
		CYANOPHYTA			CYANOPHYTA		
		MYXOPHYCEAE			MYXOPHYCEAE		
		OSCILLATORIACEAE			OSCILLATORIACEAE		
		NOSTOCACEAE			NOSTOCACEAE		
		CYANOPHYTA			CYANOPHYTA		
		CHLOROPHYCEAE			CHLOROPHYCEAE		
		CENTRALES			CENTRALES		
		RACILLARIOPHYCEAE			RACILLARIOPHYCEAE		
		OSCILLATORIACEAE			OSCILLATORIACEAE		
		COSCIINOIACEAE			COSCIINOIACEAE		
		MELOSIACEAE			MELOSIACEAE		
		CYANOPHYTA			CYANOPHYTA		
		MYXOPHYCEAE			MYXOPHYCEAE		
		OSCILLATORIACEAE			OSCILLATORIACEAE		
		NOSTOCACEAE			NOSTOCACEAE		
		CYANOPHYTA			CYANOPHYTA		
		CHLOROPHYCEAE			CHLOROPHYCEAE		
		CENTRALES			CENTRALES		
		RACILLARIOPHYCEAE			RACILLARIOPHYCEAE		
		OSCILLATORIACEAE			OSCILLATORIACEAE		
		COSCIINOIACEAE			COSCIINOIACEAE		
		MELOSIACEAE			MELOSIACEAE		
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		OSCILLATORIACEAE			OSCILLATORIACEAE		
		NOSTOCACEAE			NOSTOCACEAE		
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		CHLOROPHYCEAE			CHLOROPHYCEAE		
		CENTRALES			CENTRALES		
		RACILLARIOPHYCEAE			RACILLARIOPHYCEAE		
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		CHLOROPHYCEAE			CHLOROPHYCEAE		
		CENTRALES			CENTRALES		
		RACILLARIOPHYCEAE			RACILLARIOPHYCEAE		
		OSCILLATORIACEAE			OSCILLATORIACEAE		
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		CHLOROPHYCEAE			CHLOROPHYCEAE		
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		MYXOPHYCEAE			MYXOPHYCEAE		
		OSCILLATORIACEAE			OSCILLATORIACEAE		
		NOSTOCACEAE			NOSTOCACEAE		
		CYANOPHYTA			CYANOPHYTA		
		CHLOROPHYCEAE			CHLOROPHYCEAE		
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		NOSTOCACEAE			NOSTOCACEAE		
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		CHLOROPHYCEAE			CHLOROPHYCEAE		
		CENTRALES			CENTRALES		
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		CENTRALES			CENTRALES		
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		CENTRALES			CENTRALES		
		RACILLARIOPHYCEAE			RACILLARIOPHYCEAE		
		OSCILLATORIACEAE			OSCILLATORIACEAE		
		COSCIINOIACEAE			COSCIINOIACEAE		
		MELOSIACEAE			MELOSIACEAE		
		CYANOPHYTA			CYANOPHYTA		
		MYXOPHYCEAE			MYXOPHYCEAE		
		OSCILLATORIACEAE			OSCILLATORIACEAE		
		NOSTOCACEAE			NOSTOCACEAE		
		CYANOPHYTA			CYANOPHYTA		
		CHLOROPHYCEAE			CHLOROPHYCEAE		
		CENTRALES			CENTRALES		
		RACILLARIOPHYCEAE			RACILLARIOPHYCEAE		
		OSCILLATORIACEAE			OSCILLATORIACEAE		
		COSCIINOIACEAE			COSCIINOIACEAE		
		MELOSIACEAE			MELOSIACEAE		
		CYANOPHYTA			CYANOPHYTA		
		MYXOPHYCEAE			MYXOPHYCEAE		
		OSCILLATORIACEAE			OSCILLATORIACEAE		
		NOSTOCACEAE			NOSTOCACEAE		
		CYANOPHYTA			CYANOPHYTA		
		CHLOROPHYCEAE			CHLOROPHYCEAE		
		CENTRALES			CENTRALES		
		RACILLARIOPHYCEAE			RACILLARIOPHYCEAE		
		OSCILLATORIACEAE			OSCILLATORIACEAE		
		COSCIINOIACEAE			COSCIINOIACEAE		
		MELOSIACEAE			MELOSIACEAE		
		CYANOPHYTA			CYANOPHYTA		
		MYXOPHYCEAE			MYXOPHYCEAE		
		OSCILLATORIACEAE			OSCILLATORIACEAE		
		NOSTOCACEAE			NOSTOCACEAE		
		CYANOPHYTA			CYANOPHYTA		
		CHLOROPHYCEAE			CHLOROPHYCEAE		
		CENTRALES			CENTRALES		
		RACILLARIOPHYCEAE			RACILLARIOPHYCEAE		
		OSCILLATORIACEAE			OSCILLATORIACEAE		
		COSCIINOIACEAE			COSCIINOIACEAE		
		MELOSIACEAE			MELOSIACEAE		

07287120 YAZOO RIVER AT SHELL BLUFF NEAR MORGAN CITY, MISS.--CONTINUED

BIOLOGICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

PHYTOPLANKTON

DATE	TIME	ORGANISM	CELLS/ML	PERCENT	ORGANISM	CELLS/ML	PERCENT
AUG 06	1100	CHLOROPHYTA			CYANOPHYTA		
		CHLOROPHYCEAE			MYXOPHYCEAE		
		CHLOROCOCCALES			CHROOCOCCALES		
		SCENEDESMACEAE			CHROOCOCCACEAE		
		SCENEDESMUS	88	4	ANACYSTIS	1300	64
		CHRYSOPHYTA			OSCILLATORIALES		
		BACILLARIOPHYCEAE			OSCILLATORIACEAE		
		CENTRALES			OSCILLATORIA	480	23
		COSCINODISACEAE			EUGLENOPHYTA		
		MELOSIIRA			EUGLENOPHYCEAE		
		PENNALES			EUGENALES		
		CYMBELLACEAE			EUGLENACEAE		
		CYMBELLA			TRACHELONAS		
		DIATOMACEAE			TOTAL	2000	
		DIATOMA	22	1			
		FRAGILARIACEAE					
		SYNEDRA	22	1			
		NAVICULACEAE					
		NAVICULA	88	4			
		NITZSCHACEAE					
		NITZSCHIA	44	2			
SEP 11	1100	CHLOROPHYTA			CYANOPHYTA		
		CHLOROPHYCEAE			MYXOPHYCEAE		
		CHLOROCOCCALES			OSCILLATORIALES		
		OCYSTACEAE			NOSTOCACEAE		
		ANKISTRODESMUS			CYLINDROSPERMUM	380	18
		SELENASTRUM	250	12	OSCILLATORIACEAE		
		SCENEDESMACEAE			LYNGBYA	1000	52
		SCENEDESMUS	63	3	EUGLENOPHYTA		
		CHRYSOPHYTA			EUGLENOPHYCEAE		
		BACILLARIOPHYCEAE			EUGENALES		
		CENTRALES			EUGLENACEAE		
		COSINODISACEAE			TRACHELONAS	31	2
		MELOSIIRA	63	3	TOTAL	2000	
		PENNALES					
		GOMPHONEMACEAE					
		GOMPHONEMA	31	2			
		MERIDIONACEAE					
		MERIDION	31	2			
		NAVICULACEAE					
		NAVICULA	31	2			
		NITZSCHACEAE					
		NITZSCHIA	95	5			

YAZOO RIVER BASIN
(National water quality surveillance system)

07287500 YAZOO RIVER AT YAZOO CITY, MISS.

LOCATION.--Lat 32°52'45", long 90°29'25", in SE¼ sec.30, T.12 N., R.3 W., at downstream side of bridge on U.S. Highway 49 W., one mile (1.6 km) northwest of Yazoo City.

DRAINAGE AREA.--8,580 mi² (22,220 km²).

PERIOD OF RECORD.--Chemical analyses: February 1974 to September 1975.

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	TESTED- TANKS (CFS)	TEMPER- ATURE (°C/°F)	CLAR- ITY (%Z/L)	ALKAL- INITY (%Z/L)	DIS- SOLV- ABLE (%Z/L)	DIS- SOLV- ABLE (%Z/L)	TOTAL SOLIDS (%Z/L)	TOTAL SOLIDS (%Z/L)	TOTAL SOLIDS (%Z/L)	TOTAL SOLIDS (%Z/L)
0CT.											
15...	1430	10300	24	0	24	0.4	4.1	4.1	2.7	2.2	1.4
02...	1200	10200	--	--	--	--	--	1.7	1.7	4.7	6.4
20...	1130	10400	--	--	--	--	--	1.7	2.2	2.3	1.5
04...	1315	10200	--	--	--	--	--	1.4	1.7	2.5	1.2
12...	1230	11400	--	--	--	--	--	1.4	1.4	2.0	1.4
24...	1200	11400	--	--	--	--	--	1.4	2.2	1.4	2.1
07...	1430	14700	20	0	25	1.4	4.2	2.2	2.2	1.1	1.3
14...	1030	10300	--	--	--	--	--	2.2	2.1	2.0	1.1
FE.											
01...	1000	20700	--	--	--	--	--	2.0	2.1	1.4	1.0
11...	0230	22100	--	--	--	--	--	1.4	1.0	1.0	1.4
04...	1230	20700	--	--	--	--	--	2.2	2.0	2.0	1.1
15...	1400	22000	--	--	--	--	--	1.4	1.4	2.0	1.0
09...	1130	24000	22	0	14	5.7	2.4	2.4	1.4	2.1	1.4
16...	1215	24000	--	--	--	--	--	2.4	1.7	2.0	1.4
23...	1330	15200	--	--	--	--	--	2.4	1.7	2.0	1.4
04...	1140	22000	--	--	--	--	--	2.0	2.0	1.4	1.4
21...	1100	21000	--	--	--	--	--	2.0	1.0	2.1	1.0
03...	1500	17200	--	--	--	--	--	2.3	1.1	1.4	1.3
08...	1530	17200	20	0	25	5.7	2.0	2.4	1.7	1.1	1.3
26...	1400	12000	--	--	--	--	--	2.7	2.0	1.4	1.0
09...	1400	11500	20	0	25	0.3	3.1	4.3	1.4	2.4	1.7
23...	1430	12000	--	--	--	--	--	4.3	1.4	2.0	1.0
06...	1230	16000	--	--	--	--	--	2.0	1.5	1.4	1.4
17...	1130	10500	--	--	--	--	--	2.0	1.0	1.4	1.4
SE.											
03...	1300	12400	--	--	--	--	--	2.3	2.0	1.4	1.4
12...	1200	10400	--	--	--	--	--	1.7	1.7	1.4	1.7
TOTAL											
0CT.											
01...	640	9.5	4.2	21	4.0	3.4	1.4	1.4	1.7	--	--
02...	--	7.7	4.4	21	--	3.4	2.7	1.4	1.4	--	--
20...	--	7.2	4.1	1.3	--	3.4	2.0	1.4	1.4	--	--
04...	--	4.6	4.4	1.1	--	1.0	2.0	1.4	1.4	--	--
12...	--	1.2	4.2	2.5	--	3.3	2.1	2.4	1.7	--	--
24...	--	2.5	1.1	2.5	--	3.5	1.2	2.3	1.3	--	--
07...	--	1.6	4.4	2.5	--	3.4	2.0	2.4	1.4	--	--
14...	--	1.3	4.4	2.5	--	3.4	2.7	2.4	2.1	--	--
FE.											
01...	--	1.4	4.4	2.4	--	1.5	1.1	2.1	2.1	--	--
11...	--	4.4	4.2	2.4	--	3.4	2.4	2.4	1.4	--	--
04...	--	1.4	4.4	2.5	--	3.4	2.0	2.4	2.4	--	--
12...	--	1.2	4.2	2.2	--	3.4	2.0	2.4	2.4	--	--
09...	--	1.2	4.4	2.0	--	3.4	2.0	2.4	2.4	--	--
16...	--	1.1	4.0	2.7	--	3.4	2.1	2.4	1.4	--	--
23...	--	1.0	4.4	2.7	--	3.4	2.0	2.4	2.4	--	--
04...	--	1.7	7.4	2.5	--	1.0	1.5	2.4	1.4	--	--
21...	--	1.4	4.1	2.5	--	3.4	1.1	2.4	1.4	--	--
03...	--	1.4	4.4	2.0	--	3.4	2.0	2.4	2.4	--	--
08...	--	1.4	4.4	2.7	--	3.4	2.1	2.4	2.4	--	--
26...	--	2.3	1.1	2.4	--	3.4	2.0	2.4	2.4	--	--
09...	--	4.7	4.4	2.2	--	1.1	2.0	2.4	1.4	--	--
23...	--	1.2	4.1	1.4	--	3.4	2.0	2.4	2.4	--	--
06...	--	1.2	4.4	2.5	--	3.4	2.0	2.4	2.4	--	--
17...	--	1.4	4.4	2.7	--	1.4	2.1	2.4	2.4	--	--
SE.											
03...	--	2.1	4.4	2.5	--	3.4	2.0	2.4	2.4	--	--
12...	--	4.4	4.4	2.7	--	3.4	2.0	2.4	2.4	--	--

07287500 - YAZOO RIVER AT YAZOO CITY, MISS--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	SPD- CIFIC CON- DUCT- ANCE (MICRO- MOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COALIT UNITS)	TUR- BID- ITY (JT)	TUR- BID- ITY (NTU)	VIS- SOLUBIL ITY (MG/L)	CHEM- ICAL OXYGEN (HIGH LEVEL) (MG/L)	COD Mn TOTAL (MG/G)	CARBON DIOXIDE (L/2) (MG/L)	CHLOROPHYLL A (MG/L)	CHLOROPHYLL B (MG/L)
OCT.												
15...	67	6.5	19.5	--	90	--	8.7	12	15000	15	--	--
NOV.												
02...	92	6.9	20.5	--	50	--	7.4	14	--	--	--	--
20...	90	6.6	14.0	--	40	--	3.4	20	--	--	--	--
DEC.												
04...	85	6.4	8.9	--	30	--	7.3	12	--	--	7.3	5.2
12...	95	6.9	8.9	--	80	--	10.1	14	--	--	7.1	5.2
24...	105	6.7	12.0	--	200	--	8.9	4	--	--	2.4	4.4
JAN.												
07...	85	6.6	10.0	--	90	--	8.3	10	--	12	3.4	4.4
16...	63	6.2	7.5	--	100	--	19.4	5	--	--	0	0
FEB.												
05...	72	6.3	12.5	--	200	--	9.1	26	--	--	0	0
19...	68	6.5	12.0	--	4	--	9.0	14	--	--	4.7	1.8
MAR.												
05...	70	6.4	10.0	--	--	200	8.9	14	--	--	5.1	0
19...	55	6.4	13.0	--	--	100	9.0	4	--	--	3.4	0.5
APR.												
01...	66	6.2	13.8	--	--	200	8.1	3	--	22	2.6	0
16...	76	5.6	15.0	--	--	40	3.1	10	--	--	5.2	0
29...	68	6.0	21.0	--	--	50	7.3	12	--	--	2.6	0
MAY												
14...	200	6.5	23.2	--	--	100	4.5	26	--	--	--	--
29...	68	6.1	26.0	--	--	300	4.5	14	--	--	4.4	2.4
JUNE												
09...	78	6.1	25.0	--	--	400	4.5	14	--	--	1.7	0
09...	76	6.0	24.8	250	300	--	4.5	30	--	42	--	--
24...	90	6.6	25.0	--	--	100	5.5	21	--	--	2.7	0
JULY												
10...	90	6.2	28.5	--	--	40	9.3	12	--	30	--	--
23...	95	6.7	30.0	--	--	80	9.2	12	--	--	1.6	1.1
AUG.												
04...	68	6.5	26.0	--	--	200	7.1	26	--	--	3	5
15...	85	6.4	30.0	--	--	100	9.2	14	--	--	1.6	4
SEP.												
03...	95	6.6	29.5	--	--	50	5.1	11	--	--	0	0
12...	85	6.8	28.0	--	--	50	9.4	4	--	--	0	0

DATE	TIME- DATE COLT- FORM (COL- PER 100 ML)	FECAL COLT- FORM (COL- PER 100 ML)	STREP- TOCOCCI (COL- ONES PER 100 ML)	TOTAL ORGANIC CARBON (C) (MG/L)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	TOTAL ARSENIC (AS) (UG/L)	TOTAL ARSENIC IN BOTTOM MATERIAL (UG/G)	TOTAL MERCURY IN BOTTOM MATERIAL (UG/G)	TOTAL MERCURY IN BOTTOM MATERIAL (UG/G)	PERCENT MIS- TURE IN SEMI- MOUNT SAMPLES
OCT.											
15...	--	--	--	6.0	--	0	4	3	0	0	--
NOV.											
02...	--	39400	900	5.5	--	2	--	--	--	--	--
20...	--	--	--	4.4	--	0	--	--	--	--	--
DEC.											
04...	--	--	--	4.1	--	0	--	--	--	--	--
12...	--	495	430	13	--	1	--	--	--	--	--
24...	--	5200	2300	12	--	0	--	--	--	--	--
JAN.											
07...	--	130	300	5.8	--	0	5	--	0	--	--
16...	--	900	1120	4.6	--	0	--	--	--	--	--
FEB.											
05...	--	3600	--	9.8	--	0	--	--	--	--	--
19...	--	1333	1266	7.4	--	1	--	--	--	--	--
MAR.											
05...	--	4500	--	9.6	--	0	--	--	--	--	--
19...	--	400	--	4.3	--	0	--	--	--	--	--
APR.											
01...	--	520	--	15	--	0	7	--	1	--	--
16...	--	1500	--	4.2	--	0	--	--	--	--	--
29...	1566	155	510	6.4	--	0	--	--	--	--	--
MAY											
14...	--	3500	--	24	--	0	--	--	--	--	--
29...	--	270	--	5.1	--	0	--	--	--	--	--
JUNE											
09...	--	31360	--	14	--	0	--	--	--	--	--
09...	--	--	--	19	1	0	13	--	3	--	--
25...	--	4200	--	14	--	0	--	--	--	--	--
JULY											
10...	--	--	--	4.0	--	0	4	--	2	--	--
23...	--	410	--	7.6	--	0	--	--	--	--	--
AUG.											
04...	--	400	--	7.0	--	4	--	--	--	--	--
15...	--	331	--	2.3	--	0	--	--	--	--	--
SEP.											
03...	--	--	--	12	--	24	--	--	--	--	--
12...	--	4162	4237	19	--	0	--	--	--	--	--

07287500 - YAZOO RIVER AT YAZOO CITY, MISS--CONTINUED

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

	ALDRIN IN BOTTOM MA- TERIAL	CHLOR- DANE IN BOTTOM MA- TERIAL	DDD IN BOTTOM MA- TERIAL	DDE IN BOTTOM MA- TERIAL	DDT IN BOTTOM MA- TERIAL	TOTAL					
DATE	ALDRIN (UG/L)	CHLOR- DANE (UG/L)	DDD (UG/L)	DDE (UG/L)	DDT (UG/L)	AZINON (UG/L)					
JUNE 09...	.00	.0	.0	0	.02	38	.01	20	.05	39	.00
	OT- AZINON IN BOTTOM MA- TERIAL	OT- FLOPOTIN IN BOTTOM MA- TERIAL	ENDRI- N IN BOTTOM MA- TERIAL	ETHION IN BOTTOM MA- TERIAL	HEPTA- CHLOR IN BOTTOM MA- TERIAL	HEPTA- CHLOR IN BOT- TOM MA- TERIAL					
DATE	(UG/KG)	(UG/KG)	(UG/KG)	(UG/L)	(UG/L)	(UG/KG)					
JUNE 09...	.0	.00	.0	.0	.00	.0	.00	.0	.00	.0	
	LINDANE IN BOTTOM MA- TERIAL	MALA- THION IN BOTTOM MA- TERIAL	METHYL PARA- THION IN BOT- TOM MA- TERIAL	METHYL THION IN BOT- TOM MA- TERIAL	PARA- THION IN BOT- TOM MA- TERIAL	TOTAL PCH					
DATE	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)					
JUNE 09...	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0	
	PCH IN BOTTOM MA- TERIAL	TOX- APHENE IN BOTTOM MA- TERIAL	TRI- THION IN BOTTOM MA- TERIAL	2,4-D IN BOTTOM MA- TERIAL	2,4,5-T IN BOTTOM MA- TERIAL	SILVER X IN BOTTOM MA- TERIAL					
DATE	(UG/KG)	(UG/L)	(UG/KG)	(UG/L)	(UG/L)	(UG/KG)					
JUNE 09...	0	1	0	.00	.0	.03	0	.00	0	.01	0

LOCATION.--Lat 32°29'16", long 90°49'00", at Illinois Central Railroad bridge 0.55 mile (0.88 km) downstream from U.S. Highway 61 and 0.95 mile (1.53 km) northwest of Redwood.

PERIOD OF RECORD.--Chemical analyses: December 1973 to September 1975.

[illegible]

	TEST-1	TEST-2		TEST-3	TEST-4	TEST-5	TEST-6	TEST-7	TEST-8	TEST-9	TEST-10	TEST-11	TEST-12	TEST-13	TEST-14	TEST-15	TEST-16	TEST-17	TEST-18	TEST-19	TEST-20	TEST-21	TEST-22	TEST-23	TEST-24	TEST-25	TEST-26	TEST-27	TEST-28	TEST-29	TEST-30	TEST-31	TEST-32	TEST-33	TEST-34	TEST-35	TEST-36	TEST-37	TEST-38	TEST-39	TEST-40	TEST-41	TEST-42	TEST-43	TEST-44	TEST-45	TEST-46	TEST-47	TEST-48	TEST-49	TEST-50	TEST-51	TEST-52	TEST-53	TEST-54	TEST-55	TEST-56	TEST-57	TEST-58	TEST-59	TEST-60	TEST-61	TEST-62	TEST-63	TEST-64	TEST-65	TEST-66	TEST-67	TEST-68	TEST-69	TEST-70	TEST-71	TEST-72	TEST-73	TEST-74	TEST-75	TEST-76	TEST-77	TEST-78	TEST-79	TEST-80	TEST-81	TEST-82	TEST-83	TEST-84	TEST-85	TEST-86	TEST-87	TEST-88	TEST-89	TEST-90	TEST-91	TEST-92	TEST-93	TEST-94	TEST-95	TEST-96	TEST-97	TEST-98	TEST-99	TEST-100	TEST-101	TEST-102	TEST-103	TEST-104	TEST-105	TEST-106	TEST-107	TEST-108	TEST-109	TEST-110	TEST-111	TEST-112	TEST-113	TEST-114	TEST-115	TEST-116	TEST-117	TEST-118	TEST-119	TEST-120	TEST-121	TEST-122	TEST-123	TEST-124	TEST-125	TEST-126	TEST-127	TEST-128	TEST-129	TEST-130	TEST-131	TEST-132	TEST-133	TEST-134	TEST-135	TEST-136	TEST-137	TEST-138	TEST-139	TEST-140	TEST-141	TEST-142	TEST-143	TEST-144	TEST-145	TEST-146	TEST-147	TEST-148	TEST-149	TEST-150	TEST-151	TEST-152	TEST-153	TEST-154	TEST-155	TEST-156	TEST-157	TEST-158	TEST-159	TEST-160	TEST-161	TEST-162	TEST-163	TEST-164	TEST-165	TEST-166	TEST-167	TEST-168	TEST-169	TEST-170	TEST-171	TEST-172	TEST-173	TEST-174	TEST-175	TEST-176	TEST-177	TEST-178	TEST-179	TEST-180	TEST-181	TEST-182	TEST-183	TEST-184	TEST-185	TEST-186	TEST-187	TEST-188	TEST-189	TEST-190	TEST-191	TEST-192	TEST-193	TEST-194	TEST-195	TEST-196	TEST-197	TEST-198	TEST-199	TEST-200	TEST-201	TEST-202	TEST-203	TEST-204	TEST-205	TEST-206	TEST-207	TEST-208	TEST-209	TEST-210	TEST-211	TEST-212	TEST-213	TEST-214	TEST-215	TEST-216	TEST-217	TEST-218	TEST-219	TEST-220	TEST-221	TEST-222	TEST-223	TEST-224	TEST-225	TEST-226	TEST-227	TEST-228	TEST-229	TEST-230	TEST-231	TEST-232	TEST-233	TEST-234	TEST-235	TEST-236	TEST-237	TEST-238	TEST-239	TEST-240	TEST-241	TEST-242	TEST-243	TEST-244	TEST-245	TEST-246	TEST-247	TEST-248	TEST-249	TEST-250	TEST-251	TEST-252	TEST-253	TEST-254	TEST-255	TEST-256	TEST-257	TEST-258	TEST-259	TEST-260	TEST-261	TEST-262	TEST-263	TEST-264	TEST-265	TEST-266	TEST-267	TEST-268	TEST-269	TEST-270	TEST-271	TEST-272	TEST-273	TEST-274	TEST-275	TEST-276	TEST-277	TEST-278	TEST-279	TEST-280	TEST-281	TEST-282	TEST-283	TEST-284	TEST-285	TEST-286	TEST-287	TEST-288	TEST-289	TEST-290	TEST-291	TEST-292	TEST-293	TEST-294	TEST-295	TEST-296	TEST-297	TEST-298	TEST-299	TEST-300	TEST-301	TEST-302	TEST-303	TEST-304	TEST-305	TEST-306	TEST-307	TEST-308	TEST-309	TEST-310	TEST-311	TEST-312	TEST-313	TEST-314	TEST-315	TEST-316	TEST-317	TEST-318	TEST-319	TEST-320	TEST-321	TEST-322	TEST-323	TEST-324	TEST-325	TEST-326	TEST-327	TEST-328	TEST-329	TEST-330	TEST-331	TEST-332	TEST-333	TEST-334	TEST-335	TEST-336	TEST-337	TEST-338	TEST-339	TEST-340	TEST-341	TEST-342	TEST-343	TEST-344	TEST-345	TEST-346	TEST-347	TEST-348	TEST-349	TEST-350	TEST-351	TEST-352	TEST-353	TEST-354	TEST-355	TEST-356	TEST-357	TEST-358	TEST-359	TEST-360	TEST-361	TEST-362	TEST-363	TEST-364	TEST-365	TEST-366	TEST-367	TEST-368	TEST-369	TEST-370	TEST-371	TEST-372	TEST-373	TEST-374	TEST-375	TEST-376	TEST-377	TEST-378	TEST-379	TEST-380	TEST-381	TEST-382	TEST-383	TEST-384	TEST-385	TEST-386	TEST-387	TEST-388	TEST-389	TEST-390	TEST-391	TEST-392	TEST-393	TEST-394	TEST-395	TEST-396	TEST-397	TEST-398	TEST-399	TEST-400	TEST-401	TEST-402	TEST-403	TEST-404	TEST-405	TEST-406	TEST-407	TEST-408	TEST-409	TEST-410	TEST-411	TEST-412	TEST-413	TEST-414	TEST-415	TEST-416	TEST-417	TEST-418	TEST-
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07288800 - YAZOO RIVER AT REDWOOD, MISS--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	SPE- ATFIC CON- DUCT- ANCE (MICRO- MHO/S)	PH (UNITS)	TEMPER- ATURE (DEG C)	TUR- BID- ITY (JTU)	TUR- BID- ITY (NTU)	DIS- SOLVED OXYGEN (MG/L)	CHEM- ICAL OXYGEN DEMAND (MG/L)	CHL IN SOLUTION MA- TERIAL (MG/KG)	CARBON DIOXIDE (MG/L)	CHLORIN- ATED MATERIAL (MG/L)	CHLORIN- ATED MATERIAL (MG/L)
OCT.											
15...	85	6.5	19.0	100	--	8.3	12	15000	22	--	--
NOV.											
02...	122	7.0	20.1	90	--	8.4	15	--	--	--	--
20...	135	6.7	14.0	90	--	8.3	20	--	--	--	--
DEC.											
04...	100	6.4	4.2	30	--	9.8	18	--	--	24	31
12...	115	7.1	4.2	90	--	9.9	18	--	--	40	40
24...	122	6.7	10.0	100	--	9.2	4	--	--	--	--
JAN.											
07...	90	6.6	10.0	100	--	8.4	18	--	13	--	--
16...	67	6.3	8.3	100	--	9.3	8	--	--	1.9	4.8
FEB.											
05...	80	6.5	14.0	300	--	8.3	28	--	--	3.1	4.7
20...	80	6.5	11.0	6	--	8.0	4	--	--	2.7	4.0
MAR.											
05...	75	6.3	10.0	--	200	8.3	10	--	--	5.4	1.5
19...	67	6.3	11.5	--	200	8.3	12	--	--	--	--
APR.											
01...	72	6.5	15.0	--	200	6.6	13	--	13	3.5	4.0
16...	260	6.7	14.9	--	40	--	12	--	--	3.7	4.2
20...	73	--	21.0	--	50	7.3	16	--	--	2.4	4.0
MAY											
14...	86	6.5	23.0	--	200	--	35	--	--	3.7	4.8
28...	80	6.0	25.2	--	300	3.2	12	--	--	2.4	4.0
JUNE											
03...	99	5.9	25.2	--	400	3.7	16	--	--	3.5	4.2
26...	120	5.7	24.0	--	100	4.5	19	--	--	4.5	4.3
JULY											
10...	130	6.7	24.5	--	200	4.5	10	--	18	1.2	4.0
23...	150	6.4	29.0	--	90	6.2	12	--	--	4.4	4.0
AUG.											
04...	110	6.6	26.0	--	300	5.6	43	--	--	1.4	4.1
15...	150	6.6	29.0	--	200	6.3	20	--	--	2.4	4.5
SEP.											
03...	160	7.0	29.5	--	70	5.1	13	--	--	2.5	4.7
12...	130	7.2	24.0	--	65	5.9	10	--	--	2.5	4.4

DATE	IN- STATE COLI- FORM (COL. PER 100 ML)	FECAL COLI- FORM (COL. PER 100 ML)	STREPT- TOCOC- COLI (COL. PER 100 ML)	TOTAL ORGANIC CARBON (C) (MG/L)	OIL AND GREASE (MG/L)	TOTAL ARSENIC (AS) (MG/L)	TOTAL MERCURY IN SOLUTION (MG/L)	TOTAL MERCURY TOTAL (MG/L)	PERCENT MERCURY IN SOLUTION PERCENT SAMPLES
OCT.									
15...	--	--	--	9.7	0	9	9	4.1	40
NOV.									
02...	--	640	104	4.4	2	--	--	--	--
20...	--	--	--	4.2	0	--	--	--	--
DEC.									
04...	--	--	--	2.4	0	--	--	--	--
12...	--	350	510	7.5	0	--	--	--	--
24...	--	1500	1300	7.4	0	--	--	--	--
JAN.									
07...	--	155	443	4.4	0	4	--	4.0	--
16...	--	11400	11400	10	0	--	--	--	--
FEB.									
05...	--	3700	--	11	1	--	--	--	--
20...	--	900	1565	17	0	--	--	--	--
MAR.									
05...	--	1665	--	11	0	--	--	--	--
19...	--	600	--	15	0	--	--	--	--
APR.									
01...	--	250	--	12	0	4	--	4.0	--
16...	--	--	--	4.5	0	--	--	--	--
20...	433	400	550	14	0	--	--	--	--
MAY									
14...	--	--	--	21	0	--	--	--	--
28...	--	--	--	5.5	0	--	--	--	--
JUNE									
03...	--	766	--	14	0	--	--	--	--
26...	--	400	--	3.5	0	--	--	--	--
JULY									
10...	--	--	--	7.2	0	5	--	5.0	--
23...	--	2250	--	13	0	--	--	--	--
AUG.									
04...	--	530	--	4.0	45	--	--	--	--
15...	--	462	--	12	0	--	--	--	--
SEP.									
03...	--	--	--	12	0	--	--	--	--
12...	--	475	473	14	0	--	--	--	--

072A8800 - YAZOO RIVER AT REDWOOD, MISS--CONTINUED

SPECTROGRAPHIC ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TOTAL SOLUBLE SILICA (STO2) (MG/L)	TOTAL CAL- CIUM (CA) (MG/L)	TOTAL CAL- CIUM (CA) (MG/L)	TOTAL MAG- NE- SIUM (MG)	TOTAL SODIUM (NA) (MG/L)	TOTAL PO- TAS- SIUM (K) (MG/L)	TOTAL CAD- MIUM (CD) (MG/L)
OCT.							
15...	5.1	0	14	5.1	5.3	3.0	1
NOV.							
02...	5.5	7300	--	--	--	--	--
20...	5.9	760	--	--	--	--	--
DEC.							
04...	5.7	6500	--	--	--	--	--
12...	7.2	4200	--	--	--	--	--
24...	7.5	750	--	--	--	--	--
JAN.							
07...	5.2	5200	11	3.9	3.7	3.7	1
15...	5.4	13000	--	--	--	--	--
FEB.							
05...	5.5	11000	--	--	--	--	--
20...	5.5	5500	--	--	--	--	--
MAR.							
05...	4.3	4700	--	--	--	--	--
19...	4.4	13000	--	--	--	--	--
APR.							
01...	5.1	--	--	--	--	--	--
14...	5.3	2000	--	--	--	--	--
29...	4.3	7700	--	--	--	--	--
MAY							
14...	5.4	12000	--	--	--	--	--
24...	5.4	4500	--	--	--	--	--
JUNE							
09...	5.0	110	--	--	--	--	--
24...	7.5	3400	--	--	--	--	--
JULY							
10...	7.5	11000	24	5.7	7.8	3.8	1
22...	5.2	7300	--	--	--	--	--
AUG.							
04...	5.6	10000	--	--	--	--	--
15...	5.5	5900	--	--	--	--	--
SEP.							
03...	4.2	5700	--	--	--	--	--
12...	4.0	5700	--	--	--	--	--

DATE	TOTAL CADMIUM IN BOTTOM TERRIAL (MG/L)	TOTAL CHROM- IUM IN BOTTOM TERRIAL (MG/L)	TOTAL LEAD IN BOTTOM TERRIAL (MG/L)	TOTAL ZINC IN BOTTOM TERRIAL (MG/L)
OCT.				
15...	<10	10	<10	140
NOV.				
02...	--	--	--	--
20...	--	--	--	--
DEC.				
04...	--	--	--	--
12...	--	--	--	--
24...	--	--	--	--
JAN.				
07...	--	20	--	50
15...	--	--	--	--
FEB.				
05...	--	--	--	--
21...	--	--	--	--
MAR.				
05...	--	--	--	--
19...	--	--	--	--
APR.				
01...	--	--	--	--
14...	--	--	--	--
29...	--	--	--	--
MAY				
14...	--	--	--	--
24...	--	--	--	--
JUNE				
09...	--	--	--	--
24...	--	--	--	--
JULY				
10...	--	<10	--	50
22...	--	--	--	--
AUG.				
04...	--	--	--	--
15...	--	--	--	--
SEP.				
03...	--	--	--	--
12...	--	--	--	--

LOCATION.--Lat 32°18'45", long 90°54'25", in T.16 N., R.3 E., Washington meridian, Warren County, at gaging station at combined highway and railway bridge of Vicksburg Bridge Commission of Warren County, at southern city limits of Vicksburg, 1.5 miles (2.4 km) downstream from Yazoo diversion canal and at mile 430.4 (692.5 km).

PERIOD OF RECORD.--Chemical analyses: March 1973 to September 1975.

DATE	TIME	INSTAN-	ALCALI-	CARB-	ALKAL-	DISE-	DISE-	TOTAL	AMMONIA	TOTAL
		TAXUS DISE CHARGE (PFS)	CHARGE (MGS/L)	CHARGE (MGS/L)	LINITY AS CACO3 (MGS/L)	SOLVED SULFATE (MGS/L)	SOLVED CHLO- RIDE (CL) (MGS/L)	SOLVED FLUO- RIDE (F) (MGS/L)	NITRIE PLUS NITRATE (N) (MGS/L)	NITRO- GEN (N) (MGS/L)
01...	1200	351000	149	0	122	60	14	1.2	.63	--
02...	1200	415000	148	0	119	54	43	.3	.54	--
03...	1200	615000	115	0	95	48	20	.2	.84	--
04...	1200	425000	101	--	83	43	20	.2	1.0	--
05...	1100	1140000	97	--	80	41	14	.2	1.1	--
06...	1300	1140000	95	--	70	33	13	.2	.97	--
07...	1300	1540000	85	0	71	32	12	.0	1.0	--
08...	1400	1250000	110	0	90	43	13	.4	1.5	--
09...	1300	767000	117	0	95	41	25	.2	1.3	--
10...	1300	525000	144	0	114	45	15	.2	2.0	--
11...	1900	402000	152	0	125	--	--	--	1.4	.01
12...	1200	390000	149	0	122	51	17	.5	.96	--
13...	1400	345000	145	0	119	64	18	.3	.57	--

DATE	TOTAL SOLIDS (G/L)	TOTAL SOLIDS (G/L)	TOTAL SOLIDS (G/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOLVED SOLIDS (RESI- DUE AT 130 °C) (MG/L)	DIS- SOLVED SOLIDS (SUM OF CONSTITU- ENTS) (MG/L)	DIS- SOLVED SOLIDS (TONS PER AC-FT)	DIS- SOLVED SOLIDS (TONS PER DAY)	HARD- NESS (CA+MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)
001...	.55	1.2	8.4	.15	--	251	235	.34	238000	160	35
002...	.54	1.3	8.7	.35	--	274	274	.47	310000	160	40
003...	.64	1.5	8.6	.20	--	248	149	.34	412000	130	38
004...	.75	1.8	7.7	.25	--	170	184	.23	425000	130	45
005...	.62	1.7	7.6	.21	--	173	174	.24	533000	130	45
006...	.43	1.8	8.0	.30	--	141	142	.19	449000	100	30
007...	.24	1.3	6.7	.14	--	141	132	.22	730000	110	34
008...	.62	2.1	8.4	.17	--	214	177	.24	614000	130	41
009...	.44	2.2	8.0	.23	--	213	200	.28	420000	140	39
010...	.85	2.4	13	.25	--	244	213	.33	346000	160	41
011...	.95	2.4	10	.20	.04	--	--	--	--	--	--
012...	.64	1.5	7.1	.14	--	242	225	.32	244000	150	39
013...	.54	1.2	8.4	.17	--	254	244	.35	277000	170	48

APPLIED POLYMER SYMPOSIA • WATER-EXTRACTABLE OCTADIENE 1974 TO 1975

[illegible]

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

[illegible]

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

[illegible]

07289000 - MISSISSIPPI RIVER AT VICKSBURG, MISS.--CONTINUED
 BIOLOGICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

PHYTOPLANKTON

DATE	TIME	ORGANISM	CELLS/ML	PERCENT	ORGANISM	CELLS/ML	PERCENT
OCT 08	1200	CHRYSOPHYTA			CHLOROPHYTA		
		RACILLARIOPHYCEAE			CHLOROPHYCEAE		
		CENTRALES			CHLOROCOCCALES		
		COSCINODISCACEAE			SCENEDESMACEAE		
		CYCLOTELLA	3920	28	SCENEDESMUS	840	6
		MELOSIRA	3360	24	OCCYSTACEAE		
					OCCYSTIS	280	2
		CYANOPHYTA			CYANOPHYTA		
		MYXOPHYCEAE			MYXOPHYCEAE		
		OSCILLATORIATALES			OSCILLATORIATALES		
NOV 08	1200	OSCILLATORIACEAE			NOSTOCACEAE		
		OSCILLATORIA	2940	21	ANABENA	140	1
		CHLOROPHYTA			CHRYSOPHYTA		
		CHLOROPHYCEAE			RACILLARIOPHYCEAE		
		CHLOROCOCCALES			PENNALES		
		SCENEDESMACEAE			NAVICULACEAE		
		ACTINASTRUM	1400	10	NAVICULA	140	1
		CYANOPHYTA			TOTAL	14000	
		MYXOPHYCEAE					
		CHROOCOCCALES					
DEC 03	1200	CHROOCOCCACEAE			CHLOROPHYTA		
		ANACYSTIS	940	7	CHLOROPHYCEAE		
					CHLOROCOCCALES		
		CYANOPHYTA			SCENEDESMACEAE		
		MYXOPHYCEAE			ACTINASTRUM	224	7
		OSCILLATORIATALES			SCENEDESMUS	128	4
		OSCILLATORIACEAE			CRUCIGENIA	128	4
		LYNGBYA	1088	34	VOLVOCALES		
		CHRYSOPHYTA			CHLAMYDOMONADACEAE		
		RACILLARIOPHYCEAE			CHLAMYDOMONAS	64	2
JAN 14	1200	CENTRALES			CHRYSOPHYTA		
		COSCINODISCACEAE			RACILLARIOPHYCEAE		
		CYCLOTELLA	864	27	PENNALES		
		MELOSIRA	672	21	FRAGILARIACEAE		
					SYNEDRA	32	1
		CHLOROPHYTA			TOTAL	3200	
		CHLOROPHYCEAE			CHLOROPHYTA		
		CHLOROCOCCALES			CHLOROPHYCEAE		
		SCENEDESMACEAE			CHLOROCOCCALES		
		ACTINASTRUM			OCCYSTACEAE		
DEC 03	1200	OSCILLATORIATALES			OCCYSTIS	96	4
		OSCILLATORIACEAE			CHRYSOPHYTA		
		LYNGBYA			RACILLARIOPHYCEAE		
		CHRYSOPHYTA			PENNALES		
		RACILLARIOPHYCEAE			NITZSCHACEAE		
		CENTRALES			NITZSCHIA	48	2
		COSCINODISCACEAE			GOMPHONEMACEAE		
		MELOSIRA	912	38	GOMPHONEMA	48	2
		CYCLOTELLA	432	18	NAVICULACEAE		
		ASTERIONELLA	264	11	GYROSIGMA	24	1
JAN 14	1200	CHLOROPHYTA			FRAGILARIACEAE		
		CHLOROPHYCEAE			SYNEDRA	24	1
		CHLOROCOCCALES			CHLOROPHYTA		
		SCENEDESMACEAE			CHLOROPHYCEAE		
		SCENEDESMUS	192	8	CHLOROCOCCALES		
		CRUCIGENIA	192	8	CHARACIACEAE		
		CYANOPHYTA			SCHROEDERIA	24	1
		MYXOPHYCEAE			TOTAL	2400	
		OSCILLATORIATALES					
		OSCILLATORIACEAE					
JAN 14	1200	OSCILLATORIA	144	6	CHRYSOPHYTA		
					RACILLARIOPHYCEAE		
		CHLOROPHYTA			CENTRALES		
		CHLOROPHYCEAE			COSCINODISCACEAE		
		CHLOROCOCCALES			CYCLOTELLA	1152	72
		SCENEDESMACEAE			MELOSIRA	336	21
		SCENEDESMUS	192	8	PENNALES		
		CRUCIGENIA	192	8	NITZSCHACEAE		
		CYANOPHYTA			NITZSCHIA	112	7
		MYXOPHYCEAE			TOTAL	1600	

07289000 - MISSISSIPPI RIVER AT VICKSBURG, MISS.-CONTINUED

BIOLOGICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

PHYTOPLANKTON

DATE	TIME	ORGANISM	CELLS/ML	PERCENT	ORGANISM	CELLS/ML	PERCENT
FEB 10	1100	CHLOROPHYTA			EUGLENOPHYTA		
		ACILLARIOPHYCEAE			EUGLENOPHYCEAE		
		CENTRALES			FUGLENALES		
		CONSIDINOSCAEAE	960	48	FUGLENALES	40	2
		CYCLOTELLA	540	27	TRACHELOMONAS		
		WELSTIA					
		ASTERIONELLA	280	14			
		CHLOROPHYTA			PRYONOPHYTA		
		CHLOROPHYCEAE			PHYCOPHYCEAE		
		GYMNODINIALES			GYMNODINIALES		
		VOLVOCALES			GYMNODINIACEAE	40	2
		CHLAMYDOMONADACEAE	100	5	TOTAL	2000	
		CHLAMYDOMONAS					
		CHLOROPHYTA					
		ACILLARIOPHYCEAE					
		CENTRALES					
		CONSIDINOSCAEAE	307	53			
		CYCLOTELLA					
		CHLOROPHYTA					
		CHLOROPHYCEAE					
		DIATOMACEAE					
		CHLOROCOCALLES					
		OCCYSTACEAE					
		ANKISTRODESUS	122	21			
		CHLOROPHYTA					
		ACILLARIOPHYCEAE					
		CENTRALES					
		CONSIDINOSCAEAE					
		CYCLOTELLA					
		CHLOROPHYTA					
		CHLOROPHYCEAE					
		DIATOMACEAE					
		CHLOROCOCALLES					
		OCCYSTACEAE					
		ANKISTRODESUS					
		WELSTIA					
		CONSIDINOSCAEAE					
		CENTRALES					
		CONSIDINOSCAEAE					
		WELSTIA					
		TOTAL	580				
MAY 14	1400	CHLOROPHYTA			CHLOROPHYTA		
		ACILLARIOPHYCEAE			CHLOROPHYCEAE		
		CENTRALES					
		CONSIDINOSCAEAE					
		CYCLOTELLA					
		WELSTIA					
		PENNALES					
		NITZSCHIA					
		NITZSCHIA					
		CHLOROPHYTA					
		CHLOROPHYCEAE					
		CHLOROCOCALLES					
		OCCYSTACEAE					
		ANKISTRODESUS					
		TOTAL	1500				
		CHLOROPHYTA					
		ACILLARIOPHYCEAE					
		CENTRALES					
		CONSIDINOSCAEAE					
		CYCLOTELLA					
		WELSTIA					
		PENNALES					
		NITZSCHIA					
		NITZSCHIA					
		CHLOROPHYTA					
		CHLOROPHYCEAE					
		CHLOROCOCALLES					
		OCCYSTACEAE					
		ANKISTRODESUS					
		TOTAL	1500				
		CHLOROPHYTA					
		ACILLARIOPHYCEAE					
		CENTRALES					
		CONSIDINOSCAEAE					
		CYCLOTELLA					
		WELSTIA					
		PENNALES					
		NITZSCHIA					
		NITZSCHIA					
		CHLOROPHYTA					
		CHLOROPHYCEAE					
		CHLOROCOCALLES					
		OCCYSTACEAE					
		ANKISTRODESUS					
		TOTAL	1500				
		CHLOROPHYTA					
		ACILLARIOPHYCEAE					
		CENTRALES					
		CONSIDINOSCAEAE					
		CYCLOTELLA					
		WELSTIA					
		PENNALES					
		NITZSCHIA					
		NITZSCHIA					
		CHLOROPHYTA					
		CHLOROPHYCEAE					
		CHLOROCOCALLES					
		OCCYSTACEAE					
		ANKISTRODESUS					
		TOTAL	1500				
		CHLOROPHYTA					
		ACILLARIOPHYCEAE					
		CENTRALES					
		CONSIDINOSCAEAE					
		CYCLOTELLA					
		WELSTIA					
		PENNALES					
		NITZSCHIA					
		NITZSCHIA					
		CHLOROPHYTA					
		CHLOROPHYCEAE					
		CHLOROCOCALLES					
		OCCYSTACEAE					
		ANKISTRODESUS					
		TOTAL	1500				
		CHLOROPHYTA					
		ACILLARIOPHYCEAE					
		CENTRALES					
		CONSIDINOSCAEAE					
		CYCLOTELLA					
		WELSTIA					
		PENNALES					
		NITZSCHIA					
		NITZSCHIA					
		CHLOROPHYTA					
		CHLOROPHYCEAE					
		CHLOROCOCALLES					
		OCCYSTACEAE					
		ANKISTRODESUS					
		TOTAL	1500				
		CHLOROPHYTA					
		ACILLARIOPHYCEAE					
		CENTRALES					
		CONSIDINOSCAEAE					
		CYCLOTELLA					
		WELSTIA					
		PENNALES					
		NITZSCHIA					
		NITZSCHIA					
		CHLOROPHYTA					
		CHLOROPHYCEAE					
		CHLOROCOCALLES					
		OCCYSTACEAE					
		ANKISTRODESUS					
		TOTAL	1500				
		CHLOROPHYTA					
		ACILLARIOPHYCEAE					
		CENTRALES					
		CONSIDINOSCAEAE					
		CYCLOTELLA					
		WELSTIA					
		PENNALES					
		NITZSCHIA					
		NITZSCHIA					
		CHLOROPHYTA					
		CHLOROPHYCEAE					
		CHLOROCOCALLES					
		OCCYSTACEAE					
		ANKISTRODESUS					
		TOTAL	1500				
		CHLOROPHYTA					
		ACILLARIOPHYCEAE					
		CENTRALES					
		CONSIDINOSCAEAE					
		CYCLOTELLA					
		WELSTIA					
		PENNALES					
		NITZSCHIA					
		NITZSCHIA					
		CHLOROPHYTA					
		CHLOROPHYCEAE					
		CHLOROCOCALLES					
		OCCYSTACEAE					
		ANKISTRODESUS					
		TOTAL	1500				
		CHLOROPHYTA					
		ACILLARIOPHYCEAE					
		CENTRALES					
		CONSIDINOSCAEAE					
		CYCLOTELLA					
		WELSTIA					
		PENNALES					
		NITZSCHIA					
		NITZSCHIA					
		CHLOROPHYTA					
		CHLOROPHYCEAE					
		CHLOROCOCALLES					
		OCCYSTACEAE					
		ANKISTRODESUS					
		TOTAL	1500				
		CHLOROPHYTA					
		ACILLARIOPHYCEAE					
		CENTRALES					
		CONSIDINOSCAEAE					
		CYCLOTELLA					
		WELSTIA					
		PENNALES					
		NITZSCHIA					
		NITZSCHIA					
		CHLOROPHYTA					
		CHLOROPHYCEAE					
		CHLOROCOCALLES					
		OCCYSTACEAE					
		ANKISTRODESUS					
		TOTAL	1500				
		CHLOROPHYTA					
		ACILLARIOPHYCEAE					
		CENTRALES					
		CONSIDINOSCAEAE					
		CYCLOTELLA					
		WELSTIA					
		PENNALES					
		NITZSCHIA					
		NITZSCHIA					
		CHLOROPHYTA					
		CHLOROPHYCEAE					
		CHLOROCOCALLES					
		OCCYSTACEAE					
		ANKISTRODESUS					
		TOTAL	1500				
		CHLOROPHYTA					
		ACILLARIOPHYCEAE					
		CENTRALES					
		CONSIDINOSCAEAE					
		CYCLOTELLA					
		WELSTIA					
		PENNALES					
		NITZSCHIA					
		NITZSCHIA					
		CHLOROPHYTA					
		CHLOROPHYCEAE					
		CHLOROCOCALLES					
		OCCYSTACEAE					
		ANKISTRODESUS					
		TOTAL	1500				
		CHLOROPHYTA					
		ACILLARIOPHYCEAE					
		CENTRALES					
		CONSIDINOSCAEAE					
		CYCLOTELLA					
		WELSTIA					
		PENNALES					
		NITZSCHIA					
		NITZSCHIA					
		CHLOROPHYTA					
		CHLOROPHYCEAE					
		CHLOROCOCALLES					
		OCCYSTACEAE					
		ANKISTRODESUS					
		TOTAL	1500				
		CHLOROPHYTA					
		ACILLARIOPHYCEAE					
		CENTRALES					
		CONSIDINOSCAEAE					
		CYCLOTELLA					
		WELSTIA					
		PENNALES					
		NITZSCHIA					
		NITZSCHIA					
		CHLOROPHYTA					
		CHLOROPHYCEAE					
		CHLOROCOCALLES					
		OCCYSTACEAE					
		ANKISTRODESUS					
		TOTAL	1500				
		CHLOROPHYTA					
		ACILLARIOPHYCEAE					
		CENTRALES					
		CON					

07289000 - MISSISSIPPI RIVER AT VICKSBURG, MISS.--CONTINUED

BIOLOGICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

PHYTOPLANKTON

DATE	TIME	ORGANISM	CELLS/ML	PERCENT	ORGANISM	CELLS/ML	PERCENT
AUG 05	1200	CHLOROPHYTA			CYANOPHYTA		
		CHLOROPHYCEAE			MYXOPHYCEAE		
		CHLOROCOCCALES			CHROOCOCCALES		
		OCCYSTACEAE			CHROOCOCCACEAE		
		OCCYSTIS			ANACYSTIS	380	11
		SCENEDESMACEAE			OSCILLATORIALES		
		ACTINASTRUM			OSCILLATORIA	440	12
		CRUCIGENIA	220	6			
		SCENEDESMUS	110	3			
		CHRYSOPHYTA			EUGLENOPHYTA		
		RACILLARIOPHYCEAE			EUGLENOPHYCEAE		
		CENTRALES			EUGLENALES		
		COSCINODISCAEAE			EUGLENAEAE		
		CYCLOTELLA	720	20	TRACHELOMONAS	55	2
		MFLOSIJA	1600	45			
		PENNALES			TOTAL	3600	
		NAVICULACEAE					
		NAVICULA					
		NITZSCHACEAE					
		NITZSCHIA	55	2			
SEP 09	1400	CHLOROPHYTA			CYANOPHYTA		
		CHLOROPHYCEAE			MYXOPHYCEAE		
		CHLOROCOCCALES			CHROOCOCCALES		
		HYDRODICTYACEAE			CHROOCOCCACEAE		
		PEDTASTRUM			ANACYSTIS	760	8
		OCCYSTACEAE			OSCILLATORIALES		
		ANKISTRODESMUS	190	2	OSCILLATORIAEAE		
		SCENEDESMACEAE			OSCILLATORIA	1500	16
		SCENEDESMUS	760	8			
					TOTAL	9700	
		CHRYSOPHYTA					
		RACILLARIOPHYCEAE					
		CENTRALES					
		COSCINODISCAEAE					
		CYCLOTELLA	1500	16			
		MFLOSIJA	4100	43			
		PENNALES					
		NITZSCHACEAE					
		NITZSCHIA	760	8			

BIG BLACK RIVER BASIN

07290000 BIG BLACK RIVER NEAR BOVINA, MISS.
(National stream-quality accounting network)

LOCATION.--Lat 32°20'51", long 90°41'48", in NW¼SE¼ sec.22, T.16 N., R.5 E., Washington meridian, Hinds County, on left bank at downstream side of bridge on U.S. Highway 80 (old), 300 ft (90 m) upstream from Clear Creek, 0.4 mile (0.6 km) upstream from Illinois Central Railroad bridge, 2 miles (3 km) east of Bovina, 12 miles (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).

PERIOD OF RECORD.--Chemical analyses: October 1974 to September 1975.

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTANTANEOUS CHLORIDE (CFE)	INSTANTANEOUS BICARBONATE (MG/L)	INSTANTANEOUS CARBONATE (MG/L)	ALKALINITY AS CALCUM (MG/L)	DISSOLVED SULFATE (MG/L)	DISSOLVED CHLORIDE (MG/L)	DISSOLVED FLUORIDE (MG/L)	TOTAL NITRATE PLUS NITRITE (N) (MG/L)	TOTAL KJEL- DAHL- NITRO- GEN (N) (MG/L)
OCT.										
10...	1130	255	45	0	37	7.4	33	.3	.35	.66
NOV.										
05...	1335	390	55	0	45	8.2	44	.2	.21	.56
DEC.										
02...	1430	700	42	0	34	11	24	.9	.14	.58
JAN.										
07...	1030	10200	13	--	11	8.4	9.5	.2	.02	.81
FEB.										
06...	0440	6260	43	--	35	9.3	12	.5	.20	1.1
MAR.										
02...	1440	10200	21	--	17	7.7	8.5	.2	.06	.61
31...	1430	5860	30	0	25	8.8	8.1	.0	.07	.69
MAY										
12...	1430	15300	27	0	22	8.4	7.4	.7	.33	1.3
JUNE										
05...	1130	3200	56	0	45	7.7	13	.3	.53	1.3
JULY										
02...	1400	640	45	0	70	12	16	.1	.31	.82
AUG.										
04...	1440	7750	26	0	21	5.4	6.4	.5	.23	1.4
SEP.										
10...	1100	460	53	0	52	11	14	.2	.16	.65

DATE	TOTAL ALUMINUM (MG/L)	TOTAL ALUMINUM (MG/L)	TOTAL PHOS- PHORUS (MG/L)	DISSOLVED SOLIDS (RESID- UUM AT 140 C) (MG/L)	DISSOLVED SOLIDS (SOLUBLE TENS) (MG/L)	DISSOLVED SOLIDS (TENS) (MG/L)	DISSOLVED SOLIDS (TENS) (MG/L)	HARD- NESS (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)
OCT.									
10...	1.0	4.5	.23	152	114	.21	105	44	7
NOV.									
05...	.77	3.4	.27	170	143	.23	174	55	10
DEC.									
02...	.72	3.2	.19	156	102	.21	245	41	7
JAN.									
07...	.83	3.7	.16	34	44	.05	1050	16	5
FEB.									
06...	1.3	5.8	.40	94	77	.13	1590	38	3
MAR.									
03...	.67	3.0	.14	50	53	.07	1360	31	14
31...	.75	3.4	.17	55	51	.04	1340	28	3
MAY									
13...	1.5	7.2	.22	76	53	.08	2310	26	4
JUNE									
05...	1.4	6.1	.63	59	44	.12	754	44	3
JULY									
03...	1.1	4.0	.21	144	127	.20	254	79	9
AUG.									
04...	1.5	7.2	.45	42	47	.06	433	20	0
SEP.									
10...	.81	3.5	.17	109	104	.15	253	57	5

RIG BLACK RIVER BASIN

07290000 - BIG BLACK RIVER NEAR BOVINA, MISS.--CONTINUED

SPECTROGRAPHIC ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

	ITS- SOLVED STIMULI (STG/L)	TOTAL IRRM (FF)	ITS- SOLVED IRRM (FF)	TOTAL VANS- GANESE (MG/L)	SUS- PENDED VANS- GANESE (MG/L)	ITS- SOLVED VANS- GANESE (MG/L)	ITS- SOLVED CAL- CIUM (CG/L)	ITS- SOLVED MAG- NESE (MG/L)	ITS- SOLVED STIMULI (NA)	ITS- SOLVED P0- TAS- SIUM (K)
ACT.										
10...	11	630	220	400	100	300	11	4.0	21	3.2
ADU.										
15...	14	--	--	--	--	--	13	5.4	28	2.6
DEF.										
12...	12	--	--	--	--	--	4.4	4.3	16	3.6
JAN.										
17...	7.8	4300	350	150	53	97	3.8	1.5	7.3	2.3
FEA.										
15...	4.2	--	--	--	--	--	8.6	4.0	10	2.6
MAR.										
13...	4.0	--	--	--	--	--	4.1	2.1	6.3	1.2
21...	6.3	5200	50	240	150	90	6.5	2.8	5.2	1.8
MAY										
12...	7.2	--	--	--	--	--	6.9	2.2	5.9	2.7
JULY										
02...	6.9	--	--	--	--	--	11	5.1	11	2.6
03...	14	400	40	510	210	300	14	7.6	13	2.6
AUG.										
04...	4.7	--	--	--	--	--	5.7	1.5	6.6	2.8
SEP.										
10...	12	--	--	--	--	--	14	5.3	13	3.5

[illegible][illegible]

07290000 - BIG BLACK RIVER NEAR BOVINA, MISS.--CONTINUED

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C) - WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
AM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1										---	130	140
2										---	80	130
3										---	66	120
4										---	66	140
5										---	72	150
6										---	65	155
7										---	62	155
8										---	65	150
9										---	70	160
10										---	68	160
11										---	72	145
12										---	80	150
13										---	100	110
14										---	120	110
15										---	120	110
16										---	128	125
17										---	170	155
18										145	130	170
19										150	130	170
20										160	140	165
21										160	150	165
22										165	135	165
23										170	95	170
24										170	100	175
25										165	105	170
26										120	130	130
27										140	170	135
28										140	150	135
29										100	140	135
30										130	150	150
31										160	170	---
MONTH										---	111	147
YEAR	MAX	175	MIN	62	MEAN	132						

TEMPERATURE (DEG. C) OF WATER - WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
AM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1										---	27.5	29.0
2										---	26.0	29.5
3										---	26.0	29.5
4										---	26.0	30.0
5										---	26.0	30.0
6										---	26.0	29.0
7										---	26.0	28.0
8										---	26.0	28.0
9										---	26.0	28.5
10										---	26.0	28.0
11										---	26.0	28.0
12										---	26.0	28.5
13										---	26.0	27.0
14										---	27.0	26.0
15										---	27.0	25.0
16										---	27.0	25.5
17										---	27.0	25.0
18										29.5	27.5	25.0
19										29.0	27.0	25.0
20										29.5	28.0	25.0
21										30.0	28.0	25.0
22										29.0	28.5	24.5
23										31.0	28.0	22.5
24										31.0	28.0	22.0
25										31.0	28.0	21.0
26										28.0	28.0	21.0
27										28.5	28.0	21.5
28										29.0	29.0	21.5
29										27.5	29.0	21.5
30										29.0	29.5	21.5
31										29.0	29.0	---
MONTH										---	27.0	25.5
YEAR	MAX	31.0	MIN	21.0	MEAN	27.0						

07290000 - BIG BLACK RIVER NEAR ROVINA, MISS.--CONTINUED

BIOLOGICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

PHYTOPLANKTON

07290000	DATE	TIME	ORGANISM	CELLS/ML	PERCENT	ORGANISM	CELLS/ML	PERCENT
	OCT 10	1030	CYANOPHYTA			CHRYSOPHYTA		
			MYXOPHYCEAE			RACILLARIOPHYCEAE		
			CHROOCOCCALES			PENNALES		
			CHROOCOCCACEAE			NAVICULACEAE		
			ANACYSTIS	252	32	NAVICULA	40	5
			CHRYSOPHYTA			EUGLENOPHYTA		
			RACILLARIOPHYCEAE			EUGLENOPHYCEAE		
			PENNALES			EUGLENALES		
			NITZSCHACEAE			EUGLENAEAE		
			NITZSCHIA	173	22	TRACHELOMONAS	40	5
			CENTRALES			CHRYSOPHYTA		
			COSCINODISCACEAE			RACILLARIOPHYCEAE		
			MYLOSTIDA	79	10	PENNALES		
			CYCLOTELLA	79	10	FRAGILLARIACEAE		
			CHLOROPHYTA			FRAGILLARIA	24	3
			CHLOROPHYCEAE			CHLOROPHYTA		
			CHLOROCOCCALES			CHLOROPHYCEAE		
			SCENEDODESMACEAE			CHLOROCOCCALES		
			SCENERESMUS	79	10	OCYSTACEAE		
						ANKISTRODESUS	24	3
						TOTAL	790	

NOV 05	1355	CHRYSOPHYTA				CHLOROPHYTA		
		RACILLARIOPHYCEAE				CHLOROPHYCEAE		
		CENTRALES				CHLOROCOCCALES		
		COSCINODISCACEAE				OCYSTACEAE		
		CYCLOTELLA	506	23		ANKISTRODESUS	176	8
		CHLOROPHYTA				MICRACTINACEAE		
		CHLOROPHYCEAE				MICRACTINIUM	110	5
		CHLOROCOCCALES				SCENEDODESMACEAE		
		OCYSTACEAE				CRUCIGENTA	110	5
		NITZSCHACEAE				OCYSTACEAE		
		NITZSCHIA	330	15		OCYSTIS	110	5
		SCENEDODESMACEAE				CHRYSOPHYTA		
		SCENERESMUS	264	12		RACILLARIOPHYCEAE		
		CHRYSOPHYTA				CENTRALES		
		RACILLARIOPHYCEAE				COSCINODISCACEAE		
		PENNALES				MYLOSTIDA	44	2
		NITZSCHACEAE				CHLOROPHYTA		
		NITZSCHIA	242	11		CHLOROPHYCEAE		
		CYANOPHYTA				VOLVOCALES		
		MYXOPHYCEAE				CHLAMYDOMONADACEAE		
		CHROOCOCCALES				CHLAMYDOMONAS	44	2
		CHROOCOCCACEAE				CHRYSOPHYTA		
		BOHNERIUM	220	10		RACILLARIOPHYCEAE		
						PENNALES		
						NAVICULACEAE		
						NAVICULA	22	1
						GYROSIRA	22	1
						TOTAL	2200	

DEC 02	1430	CHRYSOPHYTA				CHRYSOPHYTA		
		RACILLARIOPHYCEAE				RACILLARIOPHYCEAE		
		CENTRALES				PENNALES		
		COSCINODISCACEAE				NITZSCHACEAE		
		MYLOSTIDA	74	15		NITZSCHIA	42	9
		CHLOROPHYTA				CHLOROPHYTA		
		CHLOROPHYCEAE				CHLOROPHYCEAE		
		CHLOROCOCCALES				CHLOROCOCCALES		
		SCENEDODESMACEAE				OCYSTACEAE		
		SCENERESMUS	74	15		ANKISTRODESUS	42	9
		CHRYSOPHYTA				ANKISTRODESUS	24	5
		RACILLARIOPHYCEAE				CHRYSOPHYTA		
		PENNALES				RACILLARIOPHYCEAE		
		NAVICULACEAE				PENNALES		
		NAVICULA	44	14		NAVICULACEAE		
		COSCINODISCACEAE				GYROSIRA	14	4
		CYCLOTELLA	47	10		ACMAANTHACEAE		
		CHLOROPHYTA				OCYSTIS	14	3
		CHLOROPHYCEAE				MYLOSTIDA		
		CHLOROCOCCALES				CYCLOTELLA	14	3
		SCENEDODESMACEAE				OCYSTACEAE		
		SCENERESMUS				OCYSTIS	8	1
		CHRYSOPHYTA				OCYSTIS	8	1
		MYXOPHYCEAE				CHLOROPHYTA		
		CHROOCOCCALES				CHLOROPHYCEAE		
		CHROOCOCCACEAE				CHLOROCOCCALES		
		BOHNERIUM	44	9		OCYSTACEAE		
						OCYSTIS	8	1
						TOTAL	470	

07220000 - BIG BLACK RIVER NEAR HOVINA, MISS.--CONTINUED

BIOLOGICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

PHYTOPLANKTON

DATE	TIME	ORGANISM	CELLS/ML	PERCENT	ORGANISM	CELLS/ML	PERCENT
JUN 09	1130	CHRYSOPHYTA			CHLOROPHYTA		
		RACILLARIOPHYCEAE			CHLOROPHYCEAE		
		CENTRALES			CHLOROCOCCALES		
		COSCINODISCEACEAE			SCENEDESMACEAE		
		CYCLOTELLA	316	32	SCENEDESMUS	99	10
		CYANOPHYTA			CHRYSOPHYTA		
		MYXOPHYCEAE			RACILLARIOPHYCEAE		
		CHROOCOCCALES			PENNALES		
		CHROOCOCCACEAE			CYMBELLACEAE	50	5
		ANACYSTIS	188	19	CYMBELLA		
		CHRYSOPHYTA			GOMPHONEMACEAE	50	5
		RACILLARIOPHYCEAE			GOMPHONEVA		
		PENNALES			TOTAL	990	
		NITZSCHACEAE					
		NITZSCHIA	188	19			
		NAVICULACEAE					
		NAVICULA	99	10			
JUL 03	1400	CYANOPHYTA			CHLOROPHYTA		
		MYXOPHYCEAE			CHLOROPHYCEAE		
		OSCILLATORIACEAE			CHLOROCOCCALES		
		OSCILLATORIA	6000	50	OSCYSTACEAE		
		CHLOROPHYTA			DICTYOSPHAERIUM	360	3
		CHLOROPHYCEAE			CHRYSOPHYTA		
		CHLOROCOCCALES			RACILLARIOPHYCEAE		
		SCENEDESMACEAE			PENNALES		
		ACTINASTRUM	1560	13	ACHNANTHACEAE	120	1
		SCENEDESMUS	1200	10	ACHNANTHES		
		FRUCIGENTIA	1200	10	EUGLENOPHYTA		
		OSCYSTACEAE			EUGLENOPHYCEAE		
		ANKISTRODESMUS	480	4	EUGLENALES		
		CHRYSOPHYTA			EUGLENAEAE	120	1
		RACILLARIOPHYCEAE			TRACHELOWINAS		
		PENNALES			CHLOROPHYTA		
		NITZSCHACEAE			CHLOROPHYCEAE		
		NITZSCHIA	360	3	CHLOROCOCCALES		
		CENTRALES			OSCYSTACEAE		
		COSCINODISCEACEAE			CHONATFLLA	120	1
		CYCLOTELLA	360	3	TETRAEDRON	120	1
AUG 04	1400	CHLOROPHYTA			TOTAL	12000	
		CHLOROPHYCEAE			CHRYSOPHYTA		
		CHLOROCOCCALES			RACILLARIOPHYCEAE		
		SCENEDESMACEAE			PENNALES		
		SCENEDESMUS			NAVICULACEAE	170	29
		CYANOPHYTA			NAVICULA		
		MYXOPHYCEAE			DIANHUAQTA		
		OSCILLATORIACEAE			NITZSCHACEAE	140	24
		OSCILLATORIA			NITZSCHIA		
		OSCILLATORIA	280	47	SUPRCELLACEAE		
SEP 10	1100	CHLOROPHYTA			SUPRCELLA		
		CHLOROPHYCEAE			TOTAL	600	
		CHLOROCOCCALES			CHRYSOPHYTA		
		CHLOROCOCCACEAE			RACILLARIOPHYCEAE		
		SCHROEDERIA			CENTRALES		
		COELASTRUM			COSCINODISCEACEAE		
		COELASTRUM			CYCLOTELLA	210	2
		HYDRODICTYACEAE			MELOSIRA		
		DEFINASTRUM			PENNALES		
		MYCROACTINIUM	290	2	NAVICULACEAE		
		OSCYSTACEAE			NAVICULA		
		ANKISTRODESMUS	72	1	NAVICULA		
		DICTYOSPHAERIUM	290	2	NITZSCHACEAE	430	3
		TRACHELOWINAS	72	1	NITZSCHIA		
		SCENEDESMACEAE			SUPRCELLACEAE		
		ACTINASTRUM	640	4	SUPRCELLA		
		SCENEDESMUS	1300	10	CYANOPHYTA		
		TRACHELOWINAS			MYXOPHYCEAE		
		ZYGEMATALES			CHROOCOCCALES		
		DEFINASTRUM	72	1	CHROOCOCCACEAE		
		STAIRASTRUM			ARMENIUM	1100	9
					ANACYSTIS	1600	13
					OSCILLATORIACEAE		
					OSCILLATORIA	6700	52
					EUGLENOPHYTA		
					EUGLENOPHYCEAE		
					EUGLENALES		
					EUGLENAEAE		
					EUGLENA		
					TRACHELOWINAS		
					TOTAL	12000	

07292500 Homochitto River at Rosetta, Miss.
(National stream-quality accounting network)

LOCATION.--Lat 31°19'20", long 91°06'20", in sec.12, T.4 N., R.1 E., Washington meridian, Wilkinson County, on downstream side of bridge on State Highway 33 at Rosetta, 800 ft (240 m) downstream from Illinois Central Railroad bridge, 1 mile (1.6 km) downstream from Foster Creek, and 5 miles (8 km) upstream from Dry Creek.

DRAINAGE AREA.--750 mi² (1,940 km²), approximately.

PERIOD OF RECORD.--Chemical analyses: October 1974 to September 1975.

WATER QUALITY DATA: WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTAN- TANEOUS DIS- CHARGE (CFS)	WICAR- BICARBONATE (HCO ₃) (MG/L)	CAR- BONATE (CO ₃) (MG/L)	ALKA- LILITY AS CaCO ₃ (MG/L)	DIS- SOLVED SULFATE (SO ₄) (MG/L)	DIS- SOLVED CHLOR- IDE (CL) (MG/L)	DIS- SOLVED FLUO- RIDE (F) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL KJEL- DAHL- GEN (N) (MG/L)
OCT.										
10...	1510	440	15	0	12	2.5	14	.2	.01	.11
NOV.										
05...	1100	520	17	0	14	2.4	13	.1	.03	--
DEC.										
15...	1200	650	14	0	11	3.5	14	.2	.06	.19
JAN.										
10...	1100	2900	7	--	6	4.5	7.5	.1	.06	.97
FEB.										
04...	1130	1630	13	--	11	4.7	20	.3	.05	.23
MAR.										
03...	1100	1530	15	--	12	3.5	12	.1	.03	.12
APR.										
12...	1210	1470	13	0	11	9.5	13	.0	.06	.08
MAY										
13...	1000	2200	13	0	11	3.4	8.0	.1	.10	.20
JUNE										
06...	1210	600	27	0	22	2.4	20	.0	.02	.39
JULY										
14...	1230	450	17	0	14	2.1	14	.1	.03	.14
AUG.										
07...	1200	2070	13	0	11	3.1	5.8	.4	.05	.51
SEP.										
11...	1200	150	20	0	16	2.7	9.2	.2	.05	.45

DATE	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOLVED SOLIDS (RESI- DUE AT 150 C) (MG/L)	DIS- SOLVED SOLIDS (SUM OF CONSTIT- UENTS) (MG/L)	DIS- SOLVED SOLIDS (TONS PER AC-FT)	DIS- SOLVED SOLIDS (TONS PER DAY)	HARD- NESS (CA+MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)
OCT.									
10...	.12	.53	.02	55	55	.08	55.5	15	2
NOV.									
05...	--	--	.03	12	54	.02	16.8	20	6
DEC.									
05...	.25	1.1	.03	76	42	.10	142	14	2
JAN.									
10...	1.0	4.5	.12	38	33	.05	294	4	2
FEB.									
04...	.25	1.2	.02	72	57	.10	317	22	12
MAR.									
03...	.15	.65	.02	50	51	.07	207	13	1
APR.									
12...	.14	.62	.04	80	59	.11	410	12	1
MAY									
13...	.39	1.3	.05	50	43	.07	297	12	1
JUNE									
06...	.41	1.9	.02	77	72	.10	125	23	1
JULY									
18...	.17	.75	.01	55	54	.08	53.0	15	1
AUG.									
07...	.56	2.5	.11	47	37	.05	254	11	0
SEP.									
11...	.50	2.2	.15	44	50	.06	17.2	20	3

SPECTROGRAPHIC ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	OTS- SOLVED STICA (STOZ) (MG/L)	TOTAL IRON (FE) (UG/L)	OTS- SOLVED TRON (FE) (UG/L)	TOTAL MAN- GANESE (MN) (UG/L)	SUS- PENDED MAN- GANESE (MN) (UG/L)	OTS- SOLVED CAL- GANESE (CA) (UG/L)	OTS- SOLVED CAL- CITIO- (CA) (UG/L)	OTS- SOLVED SIL- CITIO- (CA) (UG/L)	OTS- SOLVED SIL- CITIO- (CA) (UG/L)	OTS- SOLVED SIL- CITIO- (CA) (UG/L)
OCT.										
10...	14	1200	180	230	30	200	4.1	1.1	9.5	1.3
NOV.										
06...	14	--	--	--	--	--	4.7	2.0	3.5	1.0
DEC.										
05...	13	--	--	--	--	--	3.9	1.0	3.2	1.3
JAN.										
09...	4.4	4500	150	240	150	95	2.2	.5	5.0	1.3
FEB.										
06...	14	--	--	--	--	--	5.4	1.5	12	1.2
MAR.										
03...	14	--	--	--	--	--	3.2	1.3	3.4	1.1
APR.										
02...	14	1300	40	150	30	120	2.7	1.2	10	1.1
MAY										
13...	13	--	--	--	--	--	3.0	1.1	5.3	1.0
JUNE										
06...	14	--	--	--	--	--	5.2	1.4	13	1.4
JULY										
18...	14	1400	60	150	10	140	3.0	1.4	8.8	1.4
AUG.										
07...	11	--	--	--	--	--	2.3	1.0	4.3	1.3
SEP.										
11...	12	--	--	--	--	--	5.0	.7	5.4	1.2

[illegible][illegible]

SPECIFIC CONDUCTANCE (MICROHOS/CM AT 25 DEG. C) • WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
AM VALUES

MONTH		TEMPERATURE (DEG. C) OF WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975										MONTH	
MAX	MIN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	
25	10	25	10	18	25	10	18	25	10	18	25	10	
26	11	26	11	19	26	11	19	26	11	19	26	11	
27	12	27	12	20	27	12	20	27	12	20	27	12	
28	13	28	13	21	28	13	21	28	13	21	28	13	
29	14	29	14	22	29	14	22	29	14	22	29	14	
30	15	30	15	23	30	15	23	30	15	23	30	15	
31	16	31	16	24	31	16	24	31	16	24	31	16	
32	17	32	17	25	32	17	25	32	17	25	32	17	
33	18	33	18	26	33	18	26	33	18	26	33	18	
34	19	34	19	27	34	19	27	34	19	27	34	19	
35	20	35	20	28	35	20	28	35	20	28	35	20	
36	21	36	21	29	36	21	29	36	21	29	36	21	
37	22	37	22	30	37	22	30	37	22	30	37	22	
38	23	38	23	31	38	23	31	38	23	31	38	23	
39	24	39	24	32	39	24	32	39	24	32	39	24	
40	25	40	25	33	40	25	33	40	25	33	40	25	
41	26	41	26	34	41	26	34	41	26	34	41	26	
42	27	42	27	35	42	27	35	42	27	35	42	27	
43	28	43	28	36	43	28	36	43	28	36	43	28	
44	29	44	29	37	44	29	37	44	29	37	44	29	
45	30	45	30	38	45	30	38	45	30	38	45	30	
46	31	46	31	39	46	31	39	46	31	39	46	31	
47	32	47	32	40	47	32	40	47	32	40	47	32	
48	33	48	33	41	48	33	41	48	33	41	48	33	
49	34	49	34	42	49	34	42	49	34	42	49	34	
50	35	50	35	43	50	35	43	50	35	43	50	35	
51	36	51	36	44	51	36	44	51	36	44	51	36	
52	37	52	37	45	52	37	45	52	37	45	52	37	
53	38	53	38	46	53	38	46	53	38	46	53	38	
54	39	54	39	47	54	39	47	54	39	47	54	39	
55	40	55	40	48	55	40	48	55	40	48	55	40	
56	41	56	41	49	56	41	49	56	41	49	56	41	
57	42	57	42	50	57	42	50	57	42	50	57	42	
58	43	58	43	51	58	43	51	58	43	51	58	43	
59	44	59	44	52	59	44	52	59	44	52	59	44	
60	45	60	45	53	60	45	53	60	45	53	60	45	
61	46	61	46	54	61	46	54	61	46	54	61	46	
62	47	62	47	55	62	47	55	62	47	55	62	47	
63	48	63	48	56	63	48	56	63	48	56	63	48	
64	49	64	49	57	64	49	57	64	49	57	64	49	
65	50	65	50	58	65	50	58	65	50	58	65	50	
66	51	66	51	59	66	51	59	66	51	59	66	51	
67	52	67	52	60	67	52	60	67	52	60	67	52	
68	53	68	53	61	68	53	61	68	53	61	68	53	
69	54	69	54	62	69	54	62	69	54	62	69	54	
70	55												

9722500 - HOMOCITTO RIVER AT ROSETTA, MISS.--CONTINUED

HYDROLOGICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

PHYTOPLANKTON

DATE	TIME	ORGANISM	CELLS/ML	PERCENT	ORGANISM	CELLS/ML	PERCENT		
OCT 10	1500	CHODYSOPHYTA			CHODYSOPHYTA				
		RACILLARIOPHYCEAE			CHLOROPHYCEAE				
		PENNALES			ZYGEMATALES				
		NITZSCHACEAE			DICENTRIDACEAE				
		NITZSCHIA	270	53	COSMARIDIUM	26	5		
		NAVICULACEAE			CHLOROCOCCALES				
		NAVICULA	110	22	SCENEDERMACEAE				
		CYMBELLA	26	5	SCENEDERMUS	26	5		
		FRAGILARIACEAE			OCCYSTACEAE				
		CYNODON	26	5	ANKISTRODERMUS	26	5		
TOTAL						510			
NOV 05	1100	CYANOPHYTA			CHODYSOPHYTA				
		MYXOPHYCEAE			RACILLARIOPHYCEAE				
		OSCILLATORIALES			PENNALES				
		OSCILLATORIA	416	43	NAVICULACEAE	10	1		
		CHLOROCOCCALES			STENULARIA				
		CHLOROCOCCACEAE			ACHANANTHACEAE				
		ANKYSTIS	136	14	OCCYSTIS	10	1		
		CHODYSOPHYTA			CENTRALES				
		RACILLARIOPHYCEAE			COSCINOTISCAEAE				
		PENNALES			CYCLOTELLA	10	1		
		NITZSCHACEAE			FIUGLENOPHYTA				
		NITZSCHIA	136	14	FIUGLENOPHYCEAE				
		NAVICULACEAE			FIUGLENALS				
		NAVICULA	68	7	FIUGLENACEAE	10	1		
		FRAGILARIACEAE			PHACUS				
		CYNODON	48	5	CHLOROPHYTA				
		GOMPHONEMACEAE			CHLOROPHYCEAE				
		GOMPHONEMA	26	3	CHLOROCOCCALES				
		NAVICULACEAE			OCCYSTACEAE				
		AFIDIA	29	3	TETRAEDRON	10	1		
		ACHANANTHACEAE			TOTAL	970			
		ACHANANTHES	24	3					
		CHLOROPHYTA							
		CHLOROPHYCEAE							
		CHLOROCOCCALES							
		SCENEDERMACEAE							
		SCENEDERMUS	26	3					
		DEC 05	1200	CYANOPHYTA			CHODYSOPHYTA		
				MYXOPHYCEAE			RACILLARIOPHYCEAE		
				OSCILLATORIALES			PENNALES		
OSCILLATORIA	448			70	NITZSCHACEAE				
CHLOROCOCCALES					NITZSCHIA	103	16		
CHLOROCOCCACEAE					NAVICULACEAE				
ANKYSTIS					NAVICULA	38	6		
CHODYSOPHYTA					CENTRALES				
RACILLARIOPHYCEAE					COSCINOTISCAEAE				
PENNALES					CYCLOTELLA	38	6		
JAN 09	1100	CYANOPHYTA			PENNALES				
		MYXOPHYCEAE			GOMPHONEMACEAE				
		OSCILLATORIALES			GOMPHONEMA	13	2		
		OSCILLATORIA	1440	90	TOTAL	640			
		CHLOROCOCCALES							
		CHLOROCOCCACEAE							
		ANKYSTIS							
		CHODYSOPHYTA							
		RACILLARIOPHYCEAE							
		PENNALES							
FEB 05	1100	CYANOPHYTA			CHODYSOPHYTA				
		MYXOPHYCEAE			CHLOROPHYCEAE				
		OSCILLATORIALES			CHLOROCOCCALES				
		OSCILLATORIA	1440	90	OCCYSTACEAE				
		CHLOROCOCCALES			ANKISTRODERMUS	9	11		
		CHLOROCOCCACEAE			TOTAL	86			
		ANKYSTIS							
		CHODYSOPHYTA							
		RACILLARIOPHYCEAE							
		PENNALES							
CYMBELLA	21	23							
NAVICULACEAE									
NAVICULA	19	22							
FRAGILARIACEAE									
CYNODON	19	22							
NITZSCHACEAE									
NITZSCHIA	9	11							
GOMPHONEMACEAE									
GOMPHONEMA	9	11							

07292500 - HOMACHITTO RIVER AT ROSETTA, MISS.--CONTINUED
 HISTOLOGICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

PHYTOPLANKTON

DATE	TIME	ORGANISM	CELLS/ML	PERCENT	ORGANISM	CELLS/ML	PERCENT
APR 03	1100	CHRYSOPHYTA RACILLARIOPHYCEAE PENNIALES CYMBELLACEAE CYMBELLA GOMPHONEMACEAE GOMPHONEMA FRAGILARIACEAE SYNEDRA NITZSCHACEAE NITZSCHIA NAVICULACEAE NAVICULA	13	21	CHLOROPHYTA CHLOROPHYCEAE CHLOROCOCCALES SCENEDESMACEAE SCENEDESMUS EUGLENOPHYTA EUGLENOPHYCEAE EUGENALES EUGLENACEAE EUGLENA	18	30
						4	7
			4	7	TOTAL	59	
APR 02	1200	CHRYSOPHYTA RACILLARIOPHYCEAE PENNIALES NITZSCHACEAE NITZSCHIA CYMBELLACEAE CYMBELLA NAVICULACEAE NAVICULA FRAGILARIACEAE SYNEDRA GOMPHONEMACEAE GOMPHONEMA FUNOITACEAE FUNOITIA	22	25	CHLOROPHYTA CHLOROPHYCEAE ZYGNEMATALES DPSMIDIACEAE CLOSTERIUM	7	8
			14	17	TOTAL	83	
			14	17			
			14	17			
			7	8			
			7	8			
MAY 13	1000	CHLOROPHYTA CHLOROPHYCEAE CHLOROCOCCALES SCENEDESMACEAE SCENEDESMUS OCCYSTACEAE DICTYOSOMATRIUM	56	44	CHRYSOPHYTA RACILLARIOPHYCEAE PENNIALES NAVICULACEAE NAVICULA	18	12
			56	44	TOTAL	150	
JUN 06	1200	CHLOROPHYTA CHLOROPHYCEAE CHLOROCOCCALES SCENEDESMACEAE SCENEDESMUS OCCYSTACEAE ANKISTRODESMS	490	35	CHRYSOPHYTA RACILLARIOPHYCEAE PENNIALES NITZSCHACEAE NITZSCHIA NAVICULACEAE NAVICULA PINNULARTA GOMPHONEMACEAE GOMPHONEMA FRAGILARIACEAE SYNEDRA	210	15
			336	24		182	13
						98	7
						56	4
						28	2
					TOTAL	1400	
JUL 18	1230	CHLOROPHYTA CHLOROPHYCEAE CHLOROCOCCALES OCCYSTACEAE ANKISTRODESMS ELENASTIUM SCENEDESMACEAE CRUCIGENIA SCENEDESMUS ZYGNEMATALES DPSMIDIACEAE CLOSTERIUM	19	2	CHRYSOPHYTA RACILLARIOPHYCEAE PENNIALES CYMBELLACEAE CYMBELLA GOMPHONEMACEAE GOMPHONEMA NAVICULACEAE NAVICULA PINNULARTA	19	2
			19	2		59	7
			150	19		99	12
			470	56	TOTAL	850	
AUG 07	1475	CHRYSOPHYTA RACILLARIOPHYCEAE PENNIALES CYMBELLACEAE CYMBELLA FUNOITACEAE FUNOITIA NAVICULACEAE CALONEIS NAVICULA NITZSCHACEAE NITZSCHIA	25	11			
			25	11			
			77	33			
			100	44			
		TOTAL	230				
SEP 11	1200	CHRYSOPHYTA RACILLARIOPHYCEAE PENNIALES FUNOITACEAE FUNOITIA NAVICULACEAE NAVICULA PINNULARTA NITZSCHACEAE NITZSCHIA	35	3	CYANOPHYTA MYCOPHYCEAE OSCILLATORIALES OSCILLATORIACEAE OSCILLATORIA	560	53
			170	17	TOTAL	1000	
			35	3			
			240	23			

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

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MOBILE RIVER BASIN

02425465 - RURGESS CREEK - R PADEN, MS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTAN- TANEOUS DTS- CHARGE (CFS)	BICARB- ONATE (HCO ₃) (MG/L)	CARB- ONATE (CO ₃) (MG/L)	ALKA- LINITY AS CaCO ₃ (MG/L)	DIS- SOLVED SULFATE (SO ₄) (MG/L)	DIS- SOLVED CHL- RIDE (CL) (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (MG/L)	AMMONIA NITRO- GEN (N) (MG/L)
SEP. 08...	1040	.55	16	0	13	7.3	2.2	.02	.01	.03	.03

DATE	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL K.F.L- NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOLVED SOLIDS (RESI- DUE AT 140 C) (MG/L)	DIS- SOLVED SOLIDS (TONS PER AC-F) (MG/L)	DIS- SOLVED SOLIDS (TONS PER DAY) (MG/L)	HARD- NESS (CA+MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)
SEP. 08...	.53	.55	.59	2.6	.03	.09	45	.05	.07	20	7

DATE	SPE- CTRIC CON- DUCT- ANCE (MICRO- MHO-CM)	PH (UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	DIS- SOLVED OXYGEN (MG/L)	CHEM- ICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L)	CARBON DIOXIDE (CO ₂) (MG/L)	TOTAL MERCURY (MG) (MG/L)	DIS- SOLVED MERCURY (MG) (MG/L)	SUS- PENDED SOLI- D MEN- TAL CHARGE (T/DAY)
SEP. 08...	49	5.6	20.0	42	7	8.2	13	54	.5	.2	15

SPECTROGRAPHIC ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TOTAL IRON (FE) (UG/L)	DIS- SOLVED IRON (FE) (UG/L)	DIS- SOLVED MANG- ANESE (MANG) (UG/L)	TOTAL CAL- CIUM (CA) (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	TOTAL MAG- NESI- UM (MG) (MG/L)	DIS- SOLVED MAG- NESI- UM (MG) (MG/L)	TOTAL SODIUM (NA) (MG/L)	DIS- SOLVED SODI- UM (NA) (MG/L)	TOTAL LEAD (Pb) (UG/L)	DIS- SOLVED LEAD (Pb) (UG/L)
SEP. 08...	1900	210	50	3.4	5.0	1.4	1.2	3.4	1.4	14	0

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

P2425375 - BLACK BRANCH AT DAVEN, MS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTAN- TANOUS DIS- CHARGE (CFS)	NITRAT- E (MG/L)	CAR- BONATE (MG/L)	PHOS- PHATE (MG/L)	ALKAL- LITY (MG/L)	DIS- SOLVED SULFATE (MG/L)	DIS- SOLVED CHLOR- IDE (MG/L)	TOTAL NITRATE (MG/L)	TOTAL NITRATE (MG/L)	TOTAL NITRATE (MG/L)	AMMONIA NITRO- GEN (MG/L)
SFD. 09...	0940	1.2	17	0	0	14	3.7	1.0	.05	.01	.06	.01

DATE	TOTAL ORGANIC NITRO- GEN (MG/L)	TOTAL KJFL- NITRO- GEN (MG/L)	TOTAL NITRO- GEN (MG/L)	TOTAL NITRO- GEN (MG/L)	TOTAL PHOS- PHATE (MG/L)	TOTAL PHOS- PHATE (MG/L)	DIS- SOLVED (RESI- DUE AT 1:0 C) (MG/L)	DIS- SOLVED (RESI- DUE AT AC-FT) (MG/L)	DIS- SOLVED (RESI- DUE AT PER DAY) (MG/L)	HARD- NESS (CA+MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)
SFD. 09...	.22	.22	.24	1.3	.02	.06	32	.04	.11	13	0

DATE	SFD- CLFIC CON- DUCT- ANCE (MICRO- MHOS)	PH- TOSITS (UNIT)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- CORALIT UNIT)	TUR- BID- ITY (JT)	DIS- SOLVED OXYGEN (MG/L)	CHEM- ICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L)	CARBON DIOXIDE (MG/L)	TOTAL MERCURY (MG)	DIS- SOLVED MERCURY (MG)	SUS- PENDED SOLID- MENT (MG/L)	SUS- PENDED SOLID- MENT CHARGE (T/DAY)
SFD. 09...	22	5.6	20.0	50	6	8.6	11	34	.2	.0	4	.03

SPECTROGRAPHIC ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TOTAL IRON (PPM)	DIS- SOLVED IRON (PPM)	DIS- SOLVED MANG- NESE (PPM)	TOTAL CAL- CIUM (PPM)	DIS- SOLVED CAL- CIUM (PPM)	TOTAL MAG- NESI- UM (PPM)	DIS- SOLVED MAG- NESI- UM (PPM)	TOTAL SODIUM (PPM)	DIS- SOLVED SODI- UM (PPM)	TOTAL LEAD (PPM)	DIS- SOLVED LEAD (PPM)
SFD. 09...	1600	230	170	3.2	4.0	1.1	.7	2.3	1.2	6	0

02431000 - TOMMIGEE RIVER NEAR FULTON, MISS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTA- TANOUS PHOS- PHATE (PPM)	HICHO- MONATE (PPM)	CAH- MONATE (PPM)	ALKAL- LINITY AS CAHCO3 (MG/L)	DIS- SOLVED SULFATE (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)
OCT. 23...	1700	175	23	0	14	4.6	5.7	--	--	.02	.03	.21
NOV. 20...	1400	1220	--	--	--	--	--	--	--	.18	.08	.73
DEC. 10...	1400	1700	--	--	--	--	--	--	--	.07	.03	.33
JAN. 21...	1430	5100	24	--	23	6.5	3.1	--	--	.10	.04	.49
FEB. 16...	1200	1100	24	0	24	6.9	2.6	--	--	.04	.00	.35
MAY 14...	1200	3700	--	--	--	--	--	--	--	.40	.07	.91
JUNE 13...	1300	2100	--	--	--	--	--	--	--	.17	.07	.69
JULY 04...	1000	454	27	0	22	5.3	2.5	.26	.16	.42	.17	1.8

DATE	TOTAL FILT- RABLE NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOL- VED PHOS- PHORUS (P) (MG/L)	DIS- SOLVED SOLIDS (RESI- DUE AT 100 C) (MG/L)	TOTAL FILT- RABLE RESIDUE (MG/L)	DIS- SOLVED SOLIDS (TONS PER AC-FT)	DIS- SOLVED SOLIDS (TONS PER DAY)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	HARD- NESS (CA, MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)
OCT. 23...	.24	.26	1.2	.06	--	42	42	.06	19.9	24	25	6
NOV. 20...	.21	.99	4.4	.33	--	90	--	.12	296	--	--	--
DEC. 10...	.36	.43	1.9	.08	--	60	--	.08	275	--	--	--
JAN. 21...	.53	.63	2.2	.14	--	40	--	.05	659	--	28	5
FEB. 16...	.25	.29	1.7	.06	--	48	--	.07	143	--	32	8
MAY 14...	.99	1.4	6.1	.20	--	85	--	.12	449	--	--	--
JUNE 13...	.76	.43	4.1	.13	--	64	--	.09	377	--	--	--
JULY 04...	2.0	2.4	11	.60	.01	52	--	.07	65.1	--	21	0

DATE	SPE- CFIC CON- DUCT- ANCE (MICRO- MOS)	PH	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COHAULT 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)	CARBON DIOXIDE (CO2) (MG/L)
OCT. 23...	54	6.3	14.5	40	10	9.3	12	--	5.8
NOV. 20...	135	5.9	14.5	--	110	7.7	24	--	--
DEC. 10...	75	7.0	5.0	--	40	12.5	19	--	--
JAN. 21...	45	6.3	5.0	100	70	11.5	22	2.4	22
FEB. 16...	60	5.0	15.0	70	25	9.0	8	5.3	.5
MAY 14...	130	7.6	21.0	--	110	7.2	18	--	--
JUNE 13...	60	6.9	23.5	--	110	7.3	10	--	--
JULY 04...	53	6.3	26.0	220	340	5.7	10	1.3	22

1241000 - TYPICAL WATER QUALITY DATA - CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TOXIC- DATE COLT- FORM (COL. PER	FECAL COLT- FORM (COL. PER	STREP- TOCOCCT (COL- ONES PER	UNCOB- RECTED PERIT- PHYTON CHLORO- PHYLL A MG/SQ M	UNCOB- RECTED PERIT- PHYTON CHLORO- PHYLL B MG/SQ M	PERIT- PHYTON BIOMASS ASH WEIGHT G/SQ M	PERIT- PHYTON BIOMASS DYE WEIGHT G/SQ M	TOTAL ORGANIC CARBON (C) (MG/L)	PHENOLS (UG/L)
OCT. 23...	--	--	--	--	--	--	--	16	0
NOV. 20...	--	--	--	--	--	.20	--	10	--
DEC. 10...	--	--	--	--	--	--	--	13	--
JAN. 21...	--	670	450	--	--	--	--	5.7	3
APR. 16...	--	305	876	--	--	--	--	3.4	0
MAY 16...	--	2700	24000	3.2	1.8	2.4	4.5	9.4	--
JUNE 13...	--	--	--	--	--	--	--	9.0	--
JULY 08...	113400	4200	--	--	--	--	--	5.5	3

DATE	OIL AND GREASE (MG/L)	TOTAL ARSENIC (AS) (UG/L)	TOTAL ARSENIC IN BOTTOM MATERIAL (UG/G)	TOTAL MERCURY (HG) (UG/L)	TOTAL MERCURY IN BOTTOM MATERIAL (UG/G)	TOTAL SILICA (SE) (UG/L)	TOTAL SILICA IN BOTTOM MATERIAL (UG/G)	SUS- PENDED MATERIAL (MG/L)	SUS- PENDED MATERIAL (MG/L)	SUS- PENDED MATERIAL (MG/L)
OCT. 23...	1	2	2	.0	.0	0	0	34	14	
NOV. 20...	--	--	--	--	--	--	--	514	1710	
DEC. 10...	--	--	--	--	--	--	--	343	1570	
JAN. 21...	0	1	--	.3	--	0	--	170	2400	
APR. 16...	1	0	--	.1	--	0	--	--	--	--
MAY 16...	--	--	--	--	--	--	--	414	4140	
JUNE 13...	--	--	--	--	--	--	--	142	436	
JULY 08...	--	10	--	.3	--	0	--	--	--	--

SPECTROGRAPHIC ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	DIS- SOLVED SILICA (SiO2) (MG/L)	TOTAL IRON (FE) (UG/L)	TOTAL IRON IN BOTTOM MATERIAL (UG/G)	TOTAL MANGANESE (MANG) (UG/L)	TOTAL MANGANESE IN BOTTOM MATERIAL (UG/G)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	TOTAL CAL- CIUM (CA) (MG/L)	SUS- PENDED MATERIAL (MG/L)	DIS- SOLVED MATERIAL (MG/L)	TOTAL MATERIAL (MG/L)	TOTAL Cadmium IN BOTTOM MATERIAL (UG/G)
OCT. 23...	11	1900	1400	140	40	7.7	1.5	.2	1.3	0	<10
JAN. 21...	6.3	4700	--	67	--	10	--	--	.7	0	--
APR. 16...	6.5	2600	--	80	--	11	--	--	1.0	0	--
JULY 08...	--	22000	--	1100	--	6.8	4.7	--	1.0	1	--
DATE	TOTAL CHLORINE (CL) (UG/L)	TOTAL CHLORINE IN BOTTOM MATERIAL (UG/G)	HEAVY METAL CHLORINE (CL) (UG/L)	TOTAL COBALT (CO) (UG/L)	TOTAL COBALT IN BOTTOM MATERIAL (UG/G)	TOTAL COPPER (CU) (UG/L)	TOTAL COPPER IN BOTTOM MATERIAL (UG/G)	TOTAL LEAD (Pb) (UG/L)	TOTAL LEAD IN BOTTOM MATERIAL (UG/G)	TOTAL ZINC (ZN) (UG/L)	TOTAL ZINC IN BOTTOM MATERIAL (UG/G)
OCT. 23...	<10	<10	--	3	<10	6	<10	4	10	4	<10
JAN. 21...	<10	--	--	0	--	10	--	6	--	20	--
APR. 16...	<10	--	--	6	--	2	--	2	--	20	--
JULY 08...	<10	--	0	--	--	10	--	23	--	70	--

32431000 - TROUT CREEK RIVER NEAR ELLICOTT, MISS.--(CONTINUE)

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	ALDRIN		CHLOR-DANE		DDO		DDE		DDT	
	TOTAL ALDRIN (UG/L)	IN BOTTOM MA-TERIAL (UG/KG)	TOTAL CHLOR-DANE (UG/L)	IN BOTTOM MA-TERIAL (UG/KG)	TOTAL DDO (UG/L)	IN BOTTOM MA-TERIAL (UG/KG)	TOTAL DDE (UG/L)	IN BOTTOM MA-TERIAL (UG/KG)	TOTAL DDT (UG/L)	IN BOTTOM MA-TERIAL (UG/KG)
OCT. 23...	.00	.0	.0	0	.00	.3	.00	.2	.00	.0
JAN. 21...	.00	--	.0	--	.00	--	.00	--	.01	--
APR. 16...	.00	--	.0	--	.00	--	.00	--	.00	--

DATE	DIT-AZINON		DIT-FLORIN		ENDRIN		ETHION		HEPTA-CHLOR	
	TOTAL DIT-AZINON (UG/KG)	IN BOTTOM MA-TERIAL (UG/L)	TOTAL DIT-FLORIN (UG/KG)	IN BOTTOM MA-TERIAL (UG/L)	TOTAL ENDRIN (UG/KG)	IN BOTTOM MA-TERIAL (UG/KG)	TOTAL ETHION (UG/L)	IN BOTTOM MA-TERIAL (UG/KG)	TOTAL HEPTA-CHLOR (UG/L)	IN BOTTOM MA-TERIAL (UG/KG)
OCT. 23...	.0	.00	.0	<.01	.0	.00	.0	.00	.0	.00
JAN. 21...	--	.00	--	.02	--	.00	--	.00	--	.00
APR. 16...	--	.00	--	.00	--	.00	--	.00	--	.00

DATE	LINDANE		VALA-THION		METHYL PARA-THION		METHYL TRI-THION		PARA-THION	
	TOTAL LINDANE (UG/L)	IN BOTTOM MA-TERIAL (UG/KG)	TOTAL VALA-THION (UG/L)	IN BOTTOM MA-TERIAL (UG/KG)	TOTAL METHYL PARA-THION (UG/L)	IN BOTTOM MA-TERIAL (UG/KG)	TOTAL METHYL TRI-THION (UG/L)	IN BOTTOM MA-TERIAL (UG/KG)	TOTAL PARA-THION (UG/L)	IN BOTTOM MA-TERIAL (UG/KG)
OCT. 23...	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0
JAN. 21...	.00	--	.00	--	.00	--	.00	--	.00	--
APR. 16...	.00	--	.00	--	.00	--	.00	--	.00	--

DATE	DCE		TOX-APR-FNE		TRI-THION		2,4-D		2,4,5-T	
	TOTAL DCE (UG/KG)	IN BOTTOM MA-TERIAL (UG/L)	TOTAL TOX-APR-FNE (UG/L)	IN BOTTOM MA-TERIAL (UG/KG)	TOTAL TRI-THION (UG/KG)	IN BOTTOM MA-TERIAL (UG/L)	TOTAL 2,4-D (UG/L)	IN BOTTOM MA-TERIAL (UG/KG)	TOTAL 2,4,5-T (UG/L)	IN BOTTOM MA-TERIAL (UG/KG)
OCT. 23...	0	0	0	.00	.0	.00	0	.00	0	.00
JAN. 21...	--	0	--	.00	--	.00	--	.00	--	.00
APR. 16...	--	0	--	.00	--	.00	--	.00	--	.00

PANTOCHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	DCE		TOX-APR-FNE		TRI-THION		2,4-D		2,4,5-T	
	TOTAL DCE (UG/L)	IN BOTTOM MA-TERIAL (UG/KG)	TOTAL TOX-APR-FNE (UG/L)	IN BOTTOM MA-TERIAL (UG/KG)	TOTAL TRI-THION (UG/KG)	IN BOTTOM MA-TERIAL (UG/L)	TOTAL 2,4-D (UG/L)	IN BOTTOM MA-TERIAL (UG/KG)	TOTAL 2,4,5-T (UG/L)	IN BOTTOM MA-TERIAL (UG/KG)
OCT. 23...	.4	.4	3.6	<1.0	2.9	<.4				

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

02435020 - TOWN CREEK AT FASON BOULEVARD AT TUPELO, MISS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTANTANEOUS DIS- CHARGE (CFS)	RICAR- BONATE (HC03) (MG/L)	CAR- BONATE (C03) (MG/L)	ALKA- LINITY AS CAC03 (MG/L)	DIS- SOLVED SULFATE (S04) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)
OCT. 23...	1400	24	119	0	98	16	34	.14	1.4	.50	1.9
NOV. 21...	0830	212	--	--	--	--	--	.25	.25	.70	.95
DEC. 10...	1600	260	--	--	--	--	--	.24	.20	.63	.83
JAN. 21...	1600	587	69	--	57	13	4.4	.15	.09	.60	.69
APR. 16...	1000	233	79	0	65	15	6.5	.15	.06	.45	.51
MAY 16...	1100	1510	--	--	--	--	--	.56	.11	1.2	1.3
JUNE 13...	1130	204	--	--	--	--	--	.39	.27	.70	.97

DATE	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L)	TOTAL FILT- RABLE RESIDUE (MG/L)	DIS- SOLVED SOLIDS (TONS AC-FT) PER DAY)	DIS- SOLVED SOLIDS (TONS PER DAY)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	HARD- NESS (CA+MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)
OCT. 23...	2.0	9.0	.54	221	200	.30	14.3	12	110	15
NOV. 21...	1.2	5.4	.30	126	--	.17	72.1	--	--	--
DEC. 10...	1.1	4.7	.15	121	--	.16	84.9	--	--	--
JAN. 21...	.84	3.7	.26	80	--	.11	127	--	68	11
APR. 16...	.66	2.9	.11	96	--	.13	60.3	--	79	15
MAY 16...	1.9	8.2	.25	92	--	.13	375	--	--	--
JUNE 13...	1.4	6.0	.23	170	--	.23	93.6	--	--	--

DATE	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	DISSOLVED OXYGEN (MG/L)	CHEMICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L)	CARBON DIOXIDE (CO2) (MG/L)
OCT. 23...	350	7.4	19.5	10	5	10.1	24	7.6
NOV. 21...	200	7.5	10.3	--	60	10.1	35	--
DEC. 10...	190	7.4	5.5	--	60	10.6	19	--
JAN. 21...	165	6.8	6.0	100	70	11.8	14	17
APR. 16...	140	5.8	14.0	40	35	10.4	6	200
MAY 16...	145	8.1	20.2	--	150	8.3	22	--
JUNE 13...	220	7.4	24.0	--	45	8.5	16	--

DATE	FFCAL COLI- FORM (COL. PER 100 ML)	STWEP- TOCOCCI (COL- CNTES PER 100 ML)	UNCOR- RECTED PERI- PHYTON CHLORO- PHYLL A MG/SQ M	UNCOR- RECTED PERI- PHYTON CHLORO- PHYLL B MG/SQ M	PERI- PHYTON BIOMASS ASH WEIGHT G/SQ M	PERI- PHYTON BIOMASS TOTAL DRY WEIGHT G/SQ M	TOTAL ORGANIC CARBON (C) (MG/L)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)
OCT. 23...	--	--	--	--	--	--	10	0	0
NOV. 21...	--	--	--	--	--	--	6.8	--	--
DEC. 10...	--	--	--	--	--	--	12	--	--
JAN. 21...	R710	R110	--	--	--	--	6.5	2	0
APR. 16...	13A	493	--	--	--	--	5.4	0	0
MAY 16...	49400	R10500	.0	.0	.60	.70	15	--	--
JUNE 13...	--	--	--	--	--	--	12	--	--

02435020 - TOWN CREEK AT EASON BOULEVARD AT TUPELO, MISS.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TOTAL ARSENIC (AS) (UG/L)	TOTAL ARSENIC IN BOTTOM MA-TERIAL (UG/G)	TOTAL MERCURY (MG)	TOTAL MERCURY IN BOTTOM MA-TERIAL (UG/G)	TOTAL SELE-NIUM (SE) (UG/L)	TOTAL SELE-NIUM IN BOTTOM MA-TERIAL (UG/G)	SUS-PENDED SEDIMENT (MG/L)	SUS-PENDED SEDIMENT CHARGE (T/DAY)
OCT. 23...	2	2	.0	.1	0	0	26	1.7
NOV. 21...	--	--	--	--	--	--	184	105
DEC. 10...	--	--	--	--	--	--	190	133
JAN. 21...	1	--	.1	--	0	--	396	628
APR. 16...	1	--	.1	--	0	--	--	--
MAY 16...	--	--	--	--	--	--	783	3190
JUNE 13...	--	--	--	--	--	--	--	--

SPECTROGRAPHIC ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

	DIS- SOLVED SILICA (SiO2) (MG/L)	TOTAL IRON (FE) (UG/L)	TOTAL IRON IN BOTTOM MA- TERIAL (UG/G)	TOTAL MANGA- NESE IN BOTTOM MA- TERIAL (UG/G)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	TOTAL MAG- NE- SIUM (MG) (MG/L)	SUS- PENDE D MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	TOTAL CAD- MIUM (CD) (UG/L)	TOTAL CADMIUM IN BOTTOM MA- TERIAL (UG/G)	
OCT. 23...	7.1	620	1700	190	80	40	3.4	.4	3.0	1	<10
JAN. 21...	6.6	6300	--	110	--	25	--	--	1.3	0	--
APR. 16...	6.9	2500	--	70	--	29	--	--	1.7	0	--

DATE	TOTAL CHROMIUM (CR) (UG/L)	TOTAL CHROMIUM 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 LEAD (PB) (UG/L)	TOTAL LEAD IN BOTTOM MA-TERIAL (UG/G)	TOTAL ZINC (ZN) (UG/L)	TOTAL ZINC IN BOTTOM MA-TERIAL (UG/G)
OCT. 23...	<10	<10	3	<10	6	<10	6	<10	9	<10
JAN. 21...	20	--	0	--	4	--	15	--	20	--
APR. 16...	<10	--	2	--	2	--	3	--	90	--

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	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 DIAZINON (UG/L)
OCT. 23...	.00	.0	.0	0	<.01	1.3	.00	2.0	.00	1.9	.03
JAN. 21...	.00	--	.0	--	.00	--	.00	--	.00	--	.00
APR. 16...	.00	--	.0	--	.00	--	.00	--	.00	--	.00

DATE	DI-AZINON IN BOTTOM MA-TERIAL (UG/KG)	TOTAL DI-AZINON (UG/L)	DI-FLORIN IN BOTTOM MA-TERIAL (UG/KG)	TOTAL DI-FLORIN (UG/L)	ENDRIN IN BOTTOM MA-TERIAL (UG/KG)	TOTAL ENDRIN (UG/L)	ETHION IN BOTTOM MA-TERIAL (UG/KG)	TOTAL ETHION (UG/L)	HEPTA-CHLOR IN BOTTOM MA-TERIAL (UG/KG)	TOTAL HEPTA-CHLOR EPOXIDE (UG/L)	HEPTA-CHLOR EPOXIDE IN BOTTOM MA-TERIAL (UG/KG)
OCT. 23...	.0	<.01	.1	.03	.2	.00	.0	.00	.0	.00	.0
JAN. 21...	--	.00	--	.00	--	.00	--	.00	--	.00	--
APR. 16...	--	.00	--	.00	--	.00	--	.00	--	.00	--

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

02435020 - TOWN CREEK AT EASON BOULEVARD AT TUPELO, MISS.--CONTINUED

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

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 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)
OCT. 23...	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0	.0
JAN. 21...	.00	--	.00	--	.00	--	.00	--	.00	--	.0
APR. 16...	.00	--	.00	--	.00	--	.00	--	.00	--	.0

DATE	PCR 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)
OCT. 23...	0	0	0	.00	.0	.00	0	.00	0	.00	0
JAN. 21...	--	0	--	.00	--	.19	--	.00	--	.00	--
APR. 16...	--	0	--	.00	--	.00	--	.00	--	.00	--

RADIOCHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

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)
OCT. 23...	<2.0	.4	6.6	1.0	5.2	.9

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

281

02436500 - TOWN CREEK NEAR NETTLETON, MISS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTANTANEOUS DIS- CHARGE (CFS)	BICARBONATE (HCO ₃) (MG/L)	CARBONATE (CO ₃) (MG/L)	ALKALINITY AS CaCO ₃ (MG/L)	DIS- SOLVED SULFATE (SO ₄) (MG/L)	DIS- SOLVED CHLORIDE (CL) (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)
OCT. 23...	1100	90	153	0	126	17	30	--	--	.35	.28	.92
NOV. 21...	1000	507	--	--	--	--	--	--	--	.24	.13	.87
DEC. 11...	0830	595	--	--	--	--	--	--	--	.23	.21	.24
JAN. 22...	0830	1180	83	--	68	16	5.7	--	--	.19	.11	.64
APR. 16...	1400	669	93	0	76	16	7.6	--	--	.17	.05	.61
MAY 19...	0830	945	--	--	--	--	--	--	--	.21	.05	.77
JUNE 13...	1400	1030	--	--	--	--	--	--	--	.31	.08	.69
JULY 02...	1400	262	95	0	78	12	8.6	.87	.13	1.0	.09	2.2

DATE	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)	DIS- SOLVED SOLIDS (RESI- DUCE AT 180 C) (MG/L)	TOTAL FILT- RABLE RESIDUE (MG/L)	DIS- SOLVED SOLIDS (TONS PER AC-FT)	DIS- SOLVED SOLIDS (TONS PER DAY)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	HARD- NESS (CA, MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)
OCT. 23...	1.2	1.6	6.9	.59	--	224	210	.30	54.4	13	130	8
NOV. 21...	1.0	1.2	5.5	.38	--	153	--	.21	251	--	--	--
DEC. 11...	.45	.69	3.0	.17	--	136	--	.19	215	--	--	--
JAN. 22...	.75	.94	4.2	.23	--	86	--	.12	274	--	84	16
APR. 16...	.66	.83	3.7	.19	--	119	--	.16	215	--	92	16
MAY 19...	.82	1.0	4.6	.26	--	124	--	.17	316	--	--	--
JUNE 13...	.77	1.1	4.8	.27	--	141	--	.19	392	--	--	--
JULY 02...	2.3	3.3	15	.45	.08	143	--	.19	101	--	89	11

DATE	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)	CHEM- ICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	CARBON DIOXIDE (CO ₂) (MG/L)
OCT. 23...	375	8.3	17.5	10	10	14.5	16	--	1.2
NOV. 21...	240	7.6	11.5	--	50	9.8	24	--	--
DEC. 11...	260	7.9	5.5	--	40	11.8	14	--	--
JAN. 22...	175	7.5	5.0	100	60	12.1	12	2.9	4.2
APR. 16...	170	6.0	17.5	55	30	10.4	11	2.5	149
MAY 19...	185	7.2	22.0	--	60	8.4	8	--	--
JUNE 13...	200	7.6	26.0	--	100	8.5	32	--	--
JULY 02...	208	7.6	28.0	110	350	6.6	14	2.0	3.8

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

02436500 - TOWN CREEK NEAR NETTLETON, MISS.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME- DATE COLI- FORM (COL. PER 100 ML)	FECAL COLI- FORM (COL. PER 100 ML)	STREP- TOCUCCI (COL- ONIES PER 100 ML)	UNCOR- RECTED PERI- PHYTON CHLORO- PHYLL A MG/SQ M	UNCOR- RECTED PERI- PHYTON CHLORO- PHYLL B MG/SQ M	PERI- PHYTON BIOMASS ASH WEIGHT G/SQ M	PERI- PHYTON BIOMASS TOTAL DRY WEIGHT G/SQ M	TOTAL ORGANIC CARBON (C) (MG/L)	PHENOLS (UG/L)
OCT. 23...	--	--	--	--	--	--	--	6.4	0
NOV. 21...	--	--	--	--	--	15	--	12	--
DEC. 11...	--	--	--	--	--	--	--	4.1	--
JAN. 22...	--	3300	320	--	--	--	--	6.7	3
APR. 16...	--	180	158	--	--	--	--	4.4	0
MAY 19...	--	720	1000	.1	.0	1.5	2.0	8.0	--
JUNE 13...	--	--	--	--	--	--	--	7.3	--
JULY 08...	815400	>30000	--	--	--	--	--	6.0	0

DATE	OIL AND GREASE (MG/L)	TOTAL ARSENIC (AS) (UG/L)	TOTAL ARSENIC 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)	SUS- PENDE SEDI- MENT (MG/L)	SUS- PENDE SEDI- MENT DIS- CHARGE (T/DAY)
OCT. 23...	0	3	4	.0	.1	0	0	20	4.9
NOV. 21...	--	--	--	--	--	--	--	218	357
DEC. 11...	--	--	--	--	--	--	--	181	286
JAN. 22...	0	1	--	.0	--	0	--	221	704
APR. 16...	0	1	--	.1	--	2	--	--	--
MAY 19...	--	--	--	--	--	--	--	320	816
JUNE 13...	--	--	--	--	--	--	--	320	890
JULY 08...	--	8	--	.3	--	0	--	--	--

SPECTROGRAPHIC ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	DIS- SOLVED SILICA (SIO2) (MG/L)	TOTAL IRON (FE) (UG/L)	TOTAL IRON IN BOTTOM MA- TERIAL (UG/G)	TOTAL MANGA- NESE IN BOTTOM MA- TERIAL (UG/G)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	TOTAL MAG- NE- SIUM (MG) (MG/L)	SUS- PENDE MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	TOTAL CAD- MIUM (CD) (UG/L)	TOTAL CADMIUM IN BOTTOM MA- TERIAL (UG/G)
OCT. 23...	6.4	740	1200	160	150	48	3.5	.3	3.2	0
JAN. 22...	7.0	4800	--	110	--	31	--	--	1.5	0
APR. 16...	6.7	2600	--	70	--	34	--	--	1.7	0
JULY 08...	--	20000	--	450	--	33	6.1	--	1.5	0

DATE	TOTAL CHRO- MIUM (CR) (UG/L)	TOTAL CHRO- MIUM IN BOTTOM MA- TERIAL (UG/G)	HEXA- VALENT CHRO- MIUM (CP6) (UG/L)	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 LEAD (PB) (UG/L)	TOTAL LEAD IN BOTTOM MA- TERIAL (UG/G)	TOTAL ZINC (ZN) (UG/L)	TOTAL ZINC IN BOTTOM MA- TERIAL (UG/G)
OCT. 23...	<10	<10	--	5	<10	6	<10	7	<10	9	<10
JAN. 22...	20	--	--	0	--	9	--	15	--	20	--
APR. 16...	<10	--	--	5	--	2	--	1	--	20	--
JULY 08...	50	--	0	--	--	13	--	42	--	100	--

02436500 - TOWN CREEK NEAR NETTLETON, MISS.--CONTINUED

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

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 DT- AZINON (UG/L)
OCT. 23...	.00	.0	.0	0	.00	1.6	.00	2.1	.00	1.3	.09
JAN. 22...	.00	--	.0	--	.00	--	.00	--	.00	--	.00
APR. 16...	.00	--	.0	--	.00	--	.00	--	.00	--	.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)
OCT. 23...	.0	.01	.0	.01	.0	.00	.0	.00	.0	.00	.0
JAN. 22...	--	.00	--	.00	--	.00	--	.00	--	.00	--
APR. 16...	--	.00	--	.00	--	.00	--	.00	--	.00	--

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 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)
OCT. 23...	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0	.0
JAN. 22...	.00	--	.00	--	.00	--	.00	--	.00	--	.0
APR. 16...	.00	--	.00	--	.00	--	.00	--	.00	--	.0

DATE	PCR 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)
OCT. 23...	0	0	0	.00	.0	.00	0	.00	0	.00	0
JAN. 22...	--	0	--	.00	--	.00	--	.00	--	.01	--
APR. 16...	--	0	--	.00	--	.04	--	.01	--	.00	--

RADIOCHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	DT- 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 CS-137 (PC/L)	SUS- PENDED GROSS BETA AS CS-137 (PC/L)
OCT. 23...	<2.2	<.4	7.3	1.1	5.8	1.0

02437000 - TOMBIGEE RIVER NEAR AMORY, MISS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTANTANEOUS DISS- CHARGE (CFS)	BICARB- MONATE (HCO3) (MG/L)	CARB- MONATE (CO3) (MG/L)	ALKA- LINITY AS CaCO3 (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)
OCT. 23...	0900	375	42	0	34	5.7	6.8	--	--	.04	.02	.46
NOV. 21...	1100	5420	--	--	--	--	--	--	--	.19	.07	.84
DEC. 11...	1000	4200	--	--	--	--	--	--	--	.15	.08	.42
JAN. 22...	1000	7340	61	--	50	10	4.0	--	--	.15	.03	.59
APR. 17...	0830	3560	44	0	36	7.7	3.9	--	--	.09	.00	.36
MAY 19...	0945	10100	--	--	--	--	--	--	--	.21	.07	.81
JUN. 16...	0930	4240	--	--	--	--	--	--	--	.17	.04	.45
JULY 02...	1600	1320	71	0	58	8.6	5.3	.61	.05	.66	.05	1.1
DATE	TOTAL KJFL- DAHL- NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOL- VED PHOS- PHORUS (P) (MG/L)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L)	TOTAL FILT- RABLE RESIDUE (MG/L)	DIS- SOLVED SOLIDS (TONS PER AC-FT)	DIS- SOLVED SOLIDS (TONS PER DAY)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	HARD- NESS (CA, MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)
OCT. 23...	.48	.52	2.3	.11	--	64	69	.09	64.8	24	49	15
NOV. 21...	.91	1.1	4.9	.35	--	110	--	.15	1610	--	--	--
DEC. 11...	.50	.65	2.9	.12	--	67	--	.09	760	--	--	--
JAN. 22...	.62	.77	3.4	.16	--	64	--	.09	1270	--	60	10
APR. 17...	.36	.45	2.0	.09	--	72	--	.10	692	--	45	9
MAY 19...	.88	1.1	4.9	.25	--	80	--	.11	2180	--	--	--
JUN. 16...	.49	.66	2.9	.12	--	65	--	.09	744	--	--	--
JULY 02...	1.1	1.8	7.8	.18	.05	110	--	.15	392	--	63	5
DATE	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT 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)	CARBON DIOXIDE (CO2) (MG/L)	IMME- DIATE COLI- FORM (COL. PER 100 ML)	FECAL COLI- FORM (COL. PER 100 ML)	STREP- TOCOCCI (COL- ONIES PER 100 ML)
OCT. 23...	110	7.3	14.0	50	20	9.7	19	--	3.4	--	--	--
NOV. 21...	138	7.3	13.0	--	100	8.4	22	--	--	--	--	--
DEC. 11...	200	7.3	5.5	--	50	11.8	14	--	--	--	--	--
JAN. 22...	120	7.2	6.0	100	60	12.4	10	2.5	6.2	--	240	81010
APR. 17...	75	6.6	15.0	42	30	10.6	9	1.5	18	--	833	81
MAY 19...	93	7.4	21.0	--	120	7.6	10	--	--	--	650	4100
JUN. 16...	85	7.3	23.0	--	50	8.1	10	--	--	--	--	--
JULY 02...	160	7.6	27.0	65	80	6.3	8	2.1	2.9	6400	2133	--

02437000 - TOMMIGREE RIVER NEAR AMORY, MISS.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TOTAL ORGANIC CARBON (C) (MG/L)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	TOTAL ARSENIC (AS) (UG/L)	TOTAL ARSENIC 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)	SUS- PEN- DED SEDI- MENT (MG/L)	SUS- PEN- DED SEDI- MENT DIS- CHARGE (T/DAY)
OCT. 23...	5.0	11	2	2	3	.3	.0	0	0	26	26
NOV. 21...	9.7	--	--	--	--	--	--	--	--	310	4540
DEC. 11...	7.1	--	--	--	--	--	--	--	--	144	1630
JAN. 22...	5.5	3	0	0	--	.1	--	0	--	200	3960
APR. 17...	5.0	0	0	1	--	.1	--	0	--	--	--
MAY 19...	10	--	--	--	--	--	--	--	--	294	8020
JUNE 16...	6.5	--	--	--	--	--	--	--	--	150	1720
JULY 08...	5.6	0	--	3	--	.5	--	0	--	--	--

SPECTROGRAPHIC ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	DIS- SOLVED SILICA (SiO2) (MG/L)	TOTAL IRON (FE) (UG/L)	TOTAL IRON IN BOTTOM MA- TERIAL (UG/G)	TOTAL MAN- GANESE (MN) (UG/L)	TOTAL MANGA- NESE IN BOTTOM MA- TERIAL (UG/G)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	TOTAL MAG- NE- SIUM (MG) (UG/L)	SUS- PEN- DED MAG- NE- SIUM (MG) (UG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (UG/L)	TOTAL CAD- MIUM (CD) (UG/L)	TOTAL CADMIUM IN BOTTOM MA- TERIAL (UG/G)
OCT. 23...	9.7	1700	3000	220	170	17	1.4	.0	1.5	0	<10
JAN. 22...	6.5	6300	--	110	--	22	--	--	1.3	0	--
APR. 17...	6.7	3100	--	130	--	16	--	--	1.3	1	--
JULY 08...	--	5100	--	180	--	23	2.1	--	1.3	1	--

DATE	TOTAL CHRO- MIUM (CR) (UG/L)	TOTAL CHRO- MIUM IN BOTTOM MA- TERIAL (UG/G)	HEXA- VALENT CHRO- MIUM (CR6) (UG/L)	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 LEAD (PB) (UG/L)	TOTAL LEAD IN BOTTOM MA- TERIAL (UG/G)	TOTAL ZINC (ZN) (UG/L)	TOTAL ZINC IN BOTTOM MA- TERIAL (UG/G)
OCT. 23...	0	<10	--	3	<10	6	<10	8	<10	8	<10
JAN. 22...	10	--	--	2	--	16	--	8	--	20	--
APR. 17...	<10	--	--	0	--	3	--	1	--	0	--
JULY 08...	<10	--	0	--	--	6	--	8	--	20	--

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

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 DDT (UG/L)	DDT 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 DT- AZINON (UG/L)
OCT. 23...	.00	.0	.0	0	.00	2.7	.00	4.1	.00	1.9	<.01
JAN. 22...	.00	--	.0	--	.00	--	.00	--	.00	--	.00
APR. 17...	.00	--	.0	--	.00	--	.00	--	.00	--	.00

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

02437000 - TOMBIGREE RIVER NEAR AMORY, MISS.--CONTINUED

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

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)
OCT. 23...	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0
JAN. 22...	--	.00	--	.00	--	.00	--	.00	--	.00	--
APR. 17...	--	.00	--	.00	--	.00	--	.00	--	.00	--

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 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)
OCT. 23...	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0	.0
JAN. 22...	.00	--	.00	--	.00	--	.00	--	.00	--	.0
APR. 17...	.00	--	.00	--	.00	--	.00	--	.00	--	.0

DATE	PCR 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)
OCT. 23...	0	0	0	.00	.0	.00	0	.00	0	.00	0
JAN. 22...	--	0	--	.00	--	.00	--	.00	--	.00	--
APR. 17...	--	0	--	.00	--	.02	--	.00	--	.00	--

RADIOCHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

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)
OCT. 23...	<.7	.9	2.7	<1.1	3.4	<1.0

02437500 - TOMBIGREE RIVER AT ABERDEEN, MISS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTANTANEOUS DIS- CHARGE (CFS)	BICARB- ONATE (HCO ₃) (MG/L)	CARB- ONATE (CO ₃) (MG/L)	ALKA- LINITY AS CaCO ₃ (MG/L)	DIS- SOLVED SULFATE (SO ₄) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)
OCT.												
24...	1000	640	44	0	36	6.1	7.2	--	--	.05	.02	.34
NOV.												
21...	1200	7120	--	--	--	--	--	--	--	.14	.04	.30
DEC.												
11...	1130	3810	--	--	--	--	--	--	--	.17	.07	.57
JAN.												
22...	1200	8400	42	--	34	8.0	3.4	--	--	.14	.02	.56
APR.												
17...	0930	4060	40	0	33	7.0	3.2	--	--	.10	.01	.41
MAY												
19...	1100	6690	--	--	--	--	--	--	--	.22	.07	.58
JUNE												
16...	1030	4790	--	--	--	--	--	--	--	.25	.05	.44
JULY												
09...	1000	1480	62	0	51	7.8	5.3	.65	.05	.70	.04	.46

DATE	TOTAL KJFL- 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)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L)	TOTAL FILT- RAHLE RESIDUE (MG/L)	DIS- SOLVED SOLIDS (TONS PER AC-FT)	DIS- SOLVED SOLIDS (TONS PER DAY)	TOTAL NON- FILT- RAHLE RESIDUE (MG/L)	HARD- NESS (CA, MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)
OCT.												
24...	.36	.41	1.8	.09	--	74	68	.10	128	26	39	3
NOV.												
21...	.34	.48	2.1	.24	--	61	--	.08	1170	--	--	--
DEC.												
11...	.64	.91	3.6	.13	--	77	--	.10	792	--	--	--
JAN.												
22...	.58	.72	3.2	.15	--	50	--	.07	1130	--	42	8
APR.												
17...	.42	.52	2.3	.09	--	64	--	.09	702	--	40	7
MAY												
19...	.65	.87	3.9	.19	--	65	--	.09	1170	--	--	--
JUNE												
16...	.49	.74	3.3	.14	--	69	--	.09	892	--	--	--
JULY												
09...	.50	1.2	5.3	.14	.15	112	--	.15	448	--	54	4

DATE	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)	CHEM- ICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	CARBON DIOXIDE (CO ₂) (MG/L)	IMME- DIATE COLI- FORM (COL. PER 100 ML)	FECAL COLI- FORM (COL. PER 100 ML)	STREP- TOCOCO (COL- ONIES PER 100 ML)
OCT.												
24...	110	6.7	13.8	30	10	9.8	12	--	14	--	--	--
NOV.												
21...	96	6.9	14.0	--	60	7.7	24	--	--	--	--	--
DEC.												
11...	110	7.0	6.0	--	60	11.5	18	--	--	--	--	--
JAN.												
22...	105	7.0	6.5	100	70	11.9	12	2.2	6.7	--	8890	310
APR.												
17...	75	6.6	15.0	48	40	10.6	14	2.9	16	--	877	827
MAY												
19...	100	6.9	21.5	--	75	7.5	12	--	--	--	670	880
JUNE												
16...	90	7.1	23.0	--	65	7.6	14	--	--	--	--	--
JULY												
09...	140	7.0	25.0	65	50	6.2	12	1.8	9.9	2533	1200	--

02437500 - TOMBIGREE RIVER AT ABERDEEN,--MISS.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TOTAL ORGANIC CARBON (C) (MG/L)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	TOTAL ARSENIC (AS) (UG/L)	TOTAL ARSENIC IN BOTTOM MA- TERIAL (UG/G)	TOTAL MERCURY (HG) (UG/L)	TOTAL MERCURY IN BOTTOM MA- TERIAL (UG/G)	TOTAL SELE- NIUM (SF) (UG/L)	TOTAL SELE- NIUM IN BOTTOM MA- TERIAL (UG/G)	SUS- PENDE SEDI- MENT (MG/L)	SUS- PENDE SEDI- MENT DIS- CHARGE (T/DAY)
OCT. 24...	5.2	0	3	2	6	.0	.1	0	0	16	28
NOV. 21...	9.9	--	--	--	--	--	--	--	--	142	2730
DEC. 11...	5.1	--	--	--	--	--	--	--	--	158	1630
JAN. 22...	7.6	0	0	0	--	.1	--	0	--	130	2950
APR. 17...	5.2	0	0	2	--	.0	--	1	--	--	--
MAY 19...	9.0	--	--	--	--	--	--	--	--	202	3650
JUNE 16...	8.1	--	--	--	--	--	--	--	--	176	2280
JULY 09...	4.4	0	--	1	--	.3	--	0	--	--	--

SPECTROGRAPHIC ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	DIS- SOLVED SILICA (SiO2) (MG/L)	TOTAL IRON (FE) (UG/L)	TOTAL IRON IN BOTTOM MA- TERIAL (UG/G)	TOTAL MAN- GANESE (MN) (UG/L)	TOTAL MANGA- NESE IN BOTTOM MA- TERIAL (UG/G)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	TOTAL MAG- NE- SIUM (MG) (MG/L)	SUS- PENDE MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	TOTAL CAD- MIUM (CD) (UG/L)	TOTAL CADMIUM IN BOTTOM MA- TERIAL (UG/G)
OCT. 24...	9.6	1600	4600	85	500	13	1.7	.2	1.5	1	<10
JAN. 22...	6.5	4700	--	110	--	15	--	--	1.1	0	--
APR. 17...	6.9	2800	--	80	--	14	--	--	1.1	0	--
JULY 09...	--	3300	--	130	--	20	1.8	--	1.1	0	--

DATE	TOTAL CHRO- MIUM (CR) (UG/L)	TOTAL CHRO- MIUM IN BOTTOM MA- TERIAL (UG/G)	HEXA- VALENT CHRO- MIUM (CR6) (UG/L)	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 LEAD (PB) (UG/L)	TOTAL LEAD IN BOTTOM MA- TERIAL (UG/G)	TOTAL ZINC (ZN) (UG/L)	TOTAL ZINC IN BOTTOM MA- TERIAL (UG/G)
OCT. 24...	<10	<10	--	0	<10	5	<10	13	<10	5	20
JAN. 22...	10	--	--	1	--	5	--	8	--	10	--
APR. 17...	<10	--	--	0	--	3	--	0	--	0	--
JULY 09...	70	--	0	--	--	6	--	6	--	360	--

02437500 - TOWRIGREE RIVER AT ABERDEEN,--MISS.--CONTINUED

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

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)
OCT. 24...	.00	.0	.0	.8	.00	.27	.00	.24	.00	.82	.01
JAN. 22...	.00	--	.0	--	.00	--	.00	--	.00	--	.00
APR. 17...	.00	--	.0	--	.00	--	.00	--	.00	--	.00

DATE	DI- AZINON IN BOTTOM MA- TERIAL (UG/KG)	TOTAL FLORIN (UG/L)	DI- FLORIN 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 IN BOTTOM MA- TERIAL (UG/L)	HEPTA- CHLOR IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR EPOXIDE IN BOT- TOM MA- TERIAL (UG/L)	HEPTA- CHLOR EPOXIDE IN BOT- TOM MA- TERIAL (UG/KG)
OCT. 24...	.0	.00	.0	.00	.3	.00	.0	.00	.0	.00	.0
JAN. 22...	--	.00	--	.00	--	.00	--	.00	--	.00	--
APR. 17...	--	.00	--	.00	--	.00	--	.00	--	.00	--

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 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)
OCT. 24...	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0	.0
JAN. 22...	.00	--	.00	--	.00	--	.00	--	.00	--	.0
APR. 17...	.00	--	.00	--	.00	--	.00	--	.00	--	.0

DATE	PCR 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)
OCT. 24...	.0	.0	.0	.00	.0	.00	.0	.00	.0	.00	.0
JAN. 22...	--	.0	--	.00	--	.03	--	.00	--	.00	--
APR. 17...	--	.0	--	.00	--	.00	--	.00	--	.00	--

RADIOCHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	DIS- SOLVED GROSS ALPHA AS U-NAT. (UG/L)	SUS- PENDEO GROSS ALPHA AS U-NAT. (UG/L)	DIS- SOLVED GROSS BETA AS CS-137 (PC/L)	SUS- PENDEO GROSS BETA AS CS-137 (PC/L)	DIS- SOLVED GROSS BETA AS 45 SR90 /Y90 (PC/L)	SUS- PENDEO GROSS BETA AS 45 SR90 /Y90 (PC/L)
OCT. 24...	1.2	1.8	3.7	1.1	3.0	1.0

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

02439400 - RUTAHATCHEE RIVER NEAR ABERDEEN, MISS.

WATER QUALITY DATA

DATE	TIME	INSTANTANEOUS DIS- CHARGE (CFS)	BICAR- BONATE (HCO ₃) (MG/L)	CHL- BONATE (CO ₃) (MG/L)	ALKA- LITY AS CACO ₃ (MG/L)	DIS- SOLVED SULFATE (SO ₄) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	TOTAL NITRATE PLUS NITRATE (N) (MG/L)	AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)
SEP., 1974											
26...	1130	550	--	--	--	--	--	.19	.02	.22	.24
OCT.											
24...	1200	338	11	0	9	2.9	5.3	.06	.01	.18	.19
NOV.											
25...	1230	900	--	--	--	--	--	.13	.01	.17	.18
DEC.											
11...	1300	1270	--	--	--	--	--	.16	.01	.27	.28
JAN., 1975											
22...	1330	3140	4	--	3	3.7	2.4	.17	.01	.23	.24
APR.											
17...	1100	3110	7	0	6	2.8	1.6	.08	.00	.14	.14
MAY											
19...	1230	2140	--	--	--	--	--	.16	.05	.26	.31
JUNE											
16...	1130	1690	--	--	--	--	--	.26	.04	.41	.45

DATE	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO ₃) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOLVED SOLIDS (RESI- DUCE AT 180 C) (MG/L)	TOTAL FILT- RALE RESIDUE (MG/L)	DIS- SOLVED SOLIDS (TONS PER AC-FT)	DIS- SOLVED SOLIDS (TONS PER DAY)	TOTAL NON- FILT- RALE RESIDUE (MG/L)	HARD- NESS (CA+MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)
SEP., 1974										
26...	.43	1.9	.03	31	--	.04	46.0	--	--	--
OCT.										
24...	.25	1.1	.02	32	25	.04	29.2	10	12	3
NOV.										
25...	.31	1.4	.02	27	--	.04	65.6	--	--	--
DEC.										
11...	.44	1.9	.02	14	--	.02	48.0	--	--	--
JAN., 1975										
22...	.41	1.8	.02	15	--	.02	127	--	10	7
APR.										
17...	.22	.97	.02	23	--	.03	193	--	7	1
MAY										
19...	.47	2.1	.06	34	--	.05	196	--	--	--
JUNE										
16...	.71	3.1	.10	32	--	.04	146	--	--	--

DATE	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)	CHEM- ICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L)	CARRON DIOXIDE (CO ₂) (MG/L)	FECAL COLI- FORM (COL. PER 100 ML)	STREP- TOCOCCI (COL- ONIES PER 100 ML)	TOTAL ORGANIC CARBON (C) (MG/L)
SEP., 1974											
26...	34	6.4	18.0	--	10	8.2	16	--	--	--	6.2
OCT.											
24...	34	6.4	13.5	30	5	9.8	8	7.0	--	--	3.8
NOV.											
25...	32	6.3	11.0	--	10	10.1	8	--	--	--	2.4
DEC.											
11...	40	8.5	6.0	--	20	11.9	8	--	200	230	1.6
JAN., 1975											
22...	26	6.1	6.5	70	20	12.0	4	5.1	870	200	2.4
APR.											
17...	25	7.2	15.0	33	15	9.5	5	.7	820	820	6.0
MAY											
19...	35	8.2	21.0	--	35	8.1	8	--	350	455	8.5
JUNE											
16...	35	7.6	22.5	--	80	8.2	8	--	--	--	6.4

02439400 - BUTTAHATCHEE RIVER NEAR ABERDEEN, MISS.--CONTINUED

WATER QUALITY DATA

DATE	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	TOTAL ARSENIC (AS) (UG/L)	TOTAL ARSENIC 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)	SUS- PENDE SEDIM- ENT (MG/L)	SUS- PENDE SEDIM- ENT (MG/L)	SUS- PENDE SEDIM- ENT DIS- CHARGE (T/DAY)
SEP., 1974											
26...	--	--	--	--	--	--	--	--	31	46	
OCT.											
24...	0	2	1	4	.1	.1	0	0	4	3.7	
NOV.											
25...	--	--	--	--	--	--	--	--	39	95	
DEC.											
11...	--	--	--	--	--	--	--	--	36	123	
JAN., 1975											
22...	0	1	0	--	.0	--	0	--	26	220	
APR.											
17...	0	0	0	--	.0	--	1	--	--	--	
MAY											
19...	--	--	--	--	--	--	--	--	86	497	
JUNE											
16...	--	--	--	--	--	--	--	--	159	726	

SPECTROGRAPHIC ANALYSES

DATE	DIS- SOLVED SILICA (SI02) (MG/L)	TOTAL IRON (FE) (UG/L)	TOTAL IRON IN BOTTOM MA- TERIAL (UG/G)	TOTAL MAN- GANESE (MN) (UG/L)	TOTAL MANGA- NESE IN BOTTOM MA- TERIAL (UG/G)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	TOTAL MAG- NE- SIUM (MG) (MG/L)	SUS- PENDE MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	TOTAL CAD- MIUM (CD) (UG/L)	TOTAL CADMIUM IN BOTTOM MA- TERIAL (UG/G)
OCT., 1974											
24...	7.6	1100	3300	120	770	3.1	.8	.0	1.0	0	<10
JAN., 1975											
22...	6.4	970	--	77	--	3.2	--	--	.5	0	--
APR.											
17...	5.9	1000	--	40	--	1.7	--	--	.7	0	--

DATE	TOTAL CHRO- MIUM (CR) (UG/L)	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 LEAD (PB) (UG/L)	TOTAL LEAD IN BOTTOM MA- TERIAL (UG/G)	TOTAL ZINC (ZN) (UG/L)	TOTAL ZINC IN BOTTOM MA- TERIAL (UG/G)
OCT., 1974										
24...	<10	<10	10	<10	6	<10	8	10	5	20
JAN., 1975										
22...	<10	--	0	--	6	--	4	--	0	--
APR.										
17...	<10	--	0	--	1	--	0	--	0	--

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

02439400 - BUTTAHATCHEE RIVER NEAR ABERDEEN, MISS.--CONTINUED

PESTICIDE ANALYSES

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)
OCT.. 1974											
24...	.00	.0	.0	0	.00	12	.00	5.6	.00	17	.02
JAN.. 1975											
22...	.00	--	.0	--	.00	--	.00	--	.00	--	.00
APR.											
17...	.00	--	.0	--	.00	--	.00	--	.00	--	.00

DATE	TOTAL DI- AZINON IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DI- FLORIN IN BOTTOM MA- TERIAL (UG/L)	TOTAL DI- FLORIN 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 IN BOT- TOM MA- TERIAL (UG/KG)
OCT.. 1974										
24...	.0	.00	.0	.00	1.7	.00	.0	.00	.0	.00
JAN.. 1975										
22...	--	.00	--	.00	--	.00	--	.00	--	.00
APR.										
17...	--	.00	--	.00	--	.00	--	.00	--	.00

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 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)
OCT.. 1974											
24...	.00	.3	.00	.0	.00	.0	.00	.0	.00	.0	.0
JAN.. 1975											
22...	.00	--	.00	--	.00	--	.00	--	.00	--	.0
APR.											
17...	.00	--	.02	--	.00	--	.00	--	.00	--	.0

DATE	TOTAL PCR IN BOTTOM MA- TERIAL (UG/KG)	TOTAL TOX- APFKE (UG/L)	TOX- APFKE 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)
OCT.. 1974											
24...	0	0	0	.00	.0	.00	0	.00	0	.00	0
JAN.. 1975											
22...	--	0	--	.00	--	.00	--	.00	--	.00	--
APR.											
17...	--	0	--	.00	--	.00	--	.00	--	.00	--

RADIOCHEMICAL ANALYSES

DATE	DIS- SOLVED GROSS ALPHA AS U-NAT. (UG/L)	SUS- PENDEI GROSS ALPHA AS U-NAT. (UG/L)	DIS- SOLVED GROSS BETA AS CS-137 (PC/L)	SUS- PENDEI GROSS BETA AS CS-137 (PC/L)	DIS- SOLVED GROSS BETA AS Y90 (PC/L)	SUS- PENDEI GROSS BETA AS Y90 (PC/L)
OCT.. 1974						
24...	<.4	.0	2.3	1.0	1.9	.9

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

293

02441000 - TIBBEE CREEK NEAR TIBBEE, MISS.

WATER QUALITY DATA

DATE	TIME	INSTANTANEOUS DTS- CHARGE (CFS)	ATCAB- MONATE (MCO3) (MG/L)	CAR- MONATE (CO3) (MG/L)	ALKA- LINITY AS CACO3 (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)
SEP., 1974											
26...	1600	44	--	--	--	--	--	.04	.02	.38	.40
OCT.											
26...	1200	52	90	0	74	11	7.8	.01	.00	.39	.39
NOV.											
26...	1100	521	--	--	--	--	--	.14	.02	.43	.45
DEC.											
12...	1100	2610	--	--	--	--	--	.07	.02	.57	.59
JAN., 1975											
23...	1030	3310	58	--	48	13	4.5	.01	.01	.56	.57
APR.											
18...	1030	2800	63	0	52	11	3.7	.06	.05	.47	.52
MAY											
20...	1000	2450	--	--	--	--	--	.07	.04	.49	.53
JUNE											
17...	1200	603	--	--	--	--	--	.15	.02	.55	.57

DATE	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L)	TOTAL FILT- RABLE RESIDUE (MG/L)	DIS- SOLVED SOLIDS (TONS PER AC-FT)	DIS- SOLVED SOLIDS (TONS PER DAY)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	HARD- NESS (CA+MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)
------	---	---	---	--	--	--	--	--	------------------------------------	---

SEP., 1974										
26...	.44	1.9	.08	136	--	.19	16.2	--	--	--
OCT.										
26...	.40	1.9	.12	113	110	.15	16.0	16	91	17
NOV.										
26...	.59	2.6	.21	157	--	.21	263	--	--	--
DEC.										
12...	.66	2.9	.21	111	--	.15	782	--	--	--
JAN., 1975										
23...	.59	2.6	.13	109	--	.15	974	--	66	18
APR.										
18...	.59	2.6	.11	93	--	.13	703	--	64	13
MAY										
20...	.60	2.7	.14	105	--	.14	695	--	--	--
JUNE										
17...	.72	3.2	.17	120	--	.16	195	--	--	--

DATE	SPF- CIFIC CON- DUCT- ANCE (MICRO- MOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COALTY UNITS)	TUR- BID- ITY (JTU)	DIS- SOLVED OXYGEN (MG/L)	CHEM- ICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	FECAL COLI- FORM (COL. PER 100 ML)	STREP- TOCOCCI (COL- ONIES PER 100 ML)	TOTAL ORGANIC CARBON (C) (MG/L)
SEP., 1974											
26...	200	7.2	18.5	--	20	7.6	18	--	--	--	9.9
OCT.											
26...	200	7.5	14.0	7	10	9.1	16	4.6	--	--	4.4
NOV.											
26...	250	7.5	10.0	--	40	9.9	22	--	--	--	9.2
DEC.											
12...	145	7.2	6.5	--	40	10.7	25	--	250	625	6.3
JAN., 1975											
23...	150	7.2	6.0	100	50	12.5	20	5.9	870	350	6.3
APR.											
18...	120	6.3	17.5	65	40	8.0	40	51	100	987	15
MAY											
20...	154	7.3	23.0	--	40	7.0	10	--	8150	595	10
JUNE											
17...	160	6.6	25.0	--	55	7.4	16	--	357	370	8.2

02441000 - THREE CREEK NEAR THREE, MISS.--CONTINUED

WATER QUALITY DATA

DATE	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	TOTAL ARSENIC (AS) (UG/L)	TOTAL ARSENIC IN BOTTOM MA- TERIAL (UG/G)	TOTAL MERCURY (MG) (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)	SUS- PENDE SEDIMENT CHARGE (MG/L)	SUS- PENDE SEDIMENT DIS- CHARGE (T/DAY)
SEP.. 1974										
25...	--	--	--	--	--	--	--	--	60	7.1
OCT..										
25...	0	2	2	10	.0	.1	0	0	31	4.4
NOV..										
26...	--	--	--	--	--	--	--	--	104	174
DEC..										
12...	--	--	--	--	--	--	--	--	70	493
JAN.. 1975										
23...	2	2	2	--	.1	--	0	--	46	411
APR..										
18...	0	0	1	--	.0	--	1	--	--	--
MAY..										
20...	--	--	--	--	--	--	--	--	78	516
JUNE..										
17...	--	--	--	--	--	--	--	--	--	--

SPECTROGRAPHIC ANALYSES

DATE	DIS- SOLVED SILICA (SI02) (MG/L)	TOTAL IRON (FE) (UG/L)	TOTAL IRON IN BOTTOM MA- TERIAL (UG/G)	TOTAL MANGA- NESE IN BOTTOM MA- TERIAL (MG/L)	TOTAL MANGA- NESE IN BOTTOM MA- TERIAL (UG/G)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	TOTAL MAG- NE- SIUM (MG) (MG/L)	SUS- PENDE MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	TOTAL CAD- MIUM (CD) (UG/L)	TOTAL CADMIUM IN BOTTOM MA- TERIAL (UG/G)
OCT.. 1974											
25...	5.0	870	4100	120	330	32	2.7	.1	2.6	0	<10
JAN.. 1975											
23...	6.5	1900	--	41	--	24	--	--	1.4	0	--
APR..											
18...	5.4	2300	--	60	--	23	--	--	1.7	2	--

DATE	TOTAL CHRO- MIUM (CR) (UG/L)	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 LEAD (PB) (UG/L)	TOTAL LEAD IN BOTTOM MA- TERIAL (UG/G)	TOTAL ZINC (ZN) (UG/L)	TOTAL ZINC IN BOTTOM MA- TERIAL (UG/G)
OCT.. 1974										
25...	<10	<10	5	<10	6	<10	9	<10	20	20
JAN.. 1975										
23...	20	--	0	--	71	--	7	--	30	--
APR..										
18...	10	--	0	--	0	--	8	--	10	--

PESTICIDE ANALYSES

DATE	TOTAL ALDRIN (UG/L)	TOTAL ALDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL CHLOR- DANE (UG/L)	TOTAL CHLOR- DANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDO (UG/L)	TOTAL DDO IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDE (UG/L)	TOTAL DDE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDT (UG/L)	TOTAL DDT IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DI- AZINON (UG/L)
OCT.. 1974											
25...	.00	.0	.0	0	.00	2.4	.00	2.8	.00	1.7	.00
JAN.. 1975											
23...	.00	--	.0	--	.00	--	.00	--	.00	--	.00
APR..											
18...	.00	--	.0	--	.00	--	.00	--	.00	--	.00

02441000 - THREE CREEK NEAR THREE, MISS.--CONTINUED

PESTICIDE ANALYSES

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)
OCT., 1974											
25...	.0	.00	.0	.00	.6	.00	.0	.00	.0	.00	.0
JAN., 1975											
23...	--	.00	--	.00	--	.00	--	.00	--	.00	--
APR.											
18...	--	.00	--	.00	--	.00	--	.00	--	.00	--

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 METHYL THION (UG/L)	METHYL 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)
OCT., 1974											
25...	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0	.0
JAN., 1975											
23...	.00	--	.00	--	.00	--	.00	--	.00	--	.0
APR.											
18...	.00	--	.00	--	.00	--	.00	--	.00	--	.0

DATE	PCB 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)
OCT., 1974											
25...	0	0	0	.00	.0	.00	0	.00	0	.00	0
JAN., 1975											
23...	--	0	--	.00	--	.00	--	.00	--	.00	--
APR.											
18...	--	0	--	.00	--	.02	--	.00	--	.00	--

RADIOCHEMICAL ANALYSES

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 SR90 /Y90 (PC/L)	SUS- PENDED GROSS BETA AS SR90 /Y90 (PC/L)
OCT., 1974						
25...	1.8	.8	4.0	.4	3.2	.7

02441400 - TOMRIGREE RIVER NEAR COLUMBUS, MISS.

WATER QUALITY DATA

DATE	TIME	INSTANTANEOUS NITRO- CHARGE (CF5)	HICAR- 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)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)
SEP., 1974												
26...	1400	1150	--	--	--	--	--	--	--	.24	.09	.32
OCT.												
24...	1800	727	36	0	30	7.9	12	--	--	.17	.05	.29
NOV.												
25...	1530	3600	--	--	--	--	--	--	--	.17	.08	.13
DEC.												
11...	1600	9800	--	--	--	--	--	--	--	.16	.11	.63
JAN., 1975												
22...	1630	15300	41	--	34	8.8	3.9	--	--	.15	.06	.51
APR.												
17...	1300	16700	37	0	30	7.6	4.1	--	--	.12	.05	.48
MAY												
20...	0800	13800	--	--	--	--	--	--	--	.20	.05	.70
JUNE												
16...	1230	10500	--	--	--	--	--	--	--	.30	.07	.42
JULY												
09...	1130	3730	50	0	41	9.1	9.2	.21	.02	.23	.11	.69

DATE	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)	DIS- SOL- VED- PHOS- PHORUS (P) (MG/L)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L)	TOTAL FILT- RAHLE RESIDUE (MG/L)	DIS- SOLVED SOLIDS (TONS PER AC-FT)	DIS- SOLVED SOLIDS (TONS PER DAY)	TOTAL NON- FILT- RAHLE RESIDUE (MG/L)	HARD- NESS (CA+MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)
SEP., 1974												
26...	.41	.65	2.9	.12	--	78	--	.11	242	--	--	--
OCT.												
24...	.34	.51	2.3	.13	--	35	71	.05	68.7	14	38	8
NOV.												
25...	.21	.38	1.7	.17	--	66	--	.09	642	--	--	--
DEC.												
11...	.74	.90	4.0	.19	--	54	--	.07	1430	--	--	--
JAN., 1975												
22...	.57	.72	3.2	.16	--	54	--	.07	2230	--	44	11
APR.												
17...	.53	.65	2.9	.12	--	68	--	.09	3070	--	38	7
MAY												
20...	.75	.95	4.2	.17	--	73	--	.10	2720	--	--	--
JUNE												
16...	.49	.79	3.5	.15	--	66	--	.09	1870	--	--	--
JULY												
09...	.90	1.0	4.6	.13	.05	98	--	.13	987	--	46	5

DATE	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 5 DAY (MG/L)	CARBON DIOXIDE (CO2) (MG/L)
SEP., 1974									
26...	100	6.5	19.5	--	10	8.4	12	--	--
OCT.									
24...	34	6.9	15.4	20	10	9.6	8	--	7.3
NOV.									
25...	115	7.1	12.0	--	30	9.6	12	--	--
DEC.									
11...	115	7.2	6.5	--	70	11.6	16	--	--
JAN., 1975									
22...	115	7.0	7.0	100	70	11.5	12	2.4	6.6
APR.									
17...	85	7.6	16.0	55	45	10.8	14	3.4	1.5
MAY									
20...	98	7.5	21.5	--	45	7.6	12	--	--
JUNE									
16...	110	7.3	25.0	--	55	7.4	10	--	--
JULY									
09...	130	7.1	27.5	42	30	5.2	8	2.0	6.4

02441400 - TOMBIGREE RIVER NEAR COLUMBUS, MISS.--CONTINUED

WATER QUALITY DATA

DATE	INVE- DATE COLI- FORM (COL. PER 100 ML)	FECAL COLI- FORM (COL. PER 100 ML)	STREP- TOCOCCI (COL- ONIES PER 100 ML)	UNCOR- RECTED PERI- PHYTON CHLORO- PHYLL A MG/SQ M	UNCOR- RECTED PERI- PHYTON CHLORO- PHYLL B MG/SQ M	PERI- PHYTON ASH G/SQ M	PERI- PHYTON BIOMASS DRY WEIGHT G/SQ M	TOTAL ORGANIC CARBON (C) (MG/L)	PHENOLS (UG/L)
SEP.. 1974									
26...	--	--	--	--	--	--	--	7.9	--
OCT..									
24...	--	--	--	--	--	--	--	6.3	0
NOV..									
25...	--	--	--	--	--	--	--	5.6	--
DEC..									
11...	--	480	530	--	--	--	--	5.9	--
JAN.. 1975									
22...	--	880	440	--	--	--	--	4.8	5
APR..									
17...	--	140	867	--	--	--	--	6.7	0
MAY..									
20...	--	420	550	.0	.0	.20	.30	7.7	--
JUNE..									
16...	--	--	--	--	--	--	--	8.4	--
JULY..									
09...	2166	400	--	--	--	--	--	3.8	0

DATE	OIL AND GREASE (MG/L)	TOTAL ARSENIC (AS) (UG/L)	TOTAL ARSENIC 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)	SUS- PENDEO SEDI- MENT DIS- CHARGE (T/DAY)	SUS- PENDEO SEDI- MENT DIS- CHARGE (T/DAY)
SEP.. 1974									
26...	--	--	--	--	--	--	--	35	104
OCT..									
24...	0	1	2	.0	.1	0	0	20	39
NOV..									
25...	--	--	--	--	--	--	--	64	622
DEC..									
11...	--	--	--	--	--	--	--	103	2730
JAN.. 1975									
22...	0	2	--	.0	--	0	--	110	4540
APR..									
17...	0	1	--	.1	--	0	--	--	--
MAY..									
20...	--	--	--	--	--	--	--	201	7490
JUNE..									
16...	--	--	--	--	--	--	--	128	3630
JULY..									
09...	--	1	--	.2	--	0	--	--	--

SPECTROGRAPHIC ANALYSES

DATE	DIS- SOLVED SILICA (SI02) (MG/L)	TOTAL IRON (FF) (UG/L)	TOTAL IRON IN BOTTOM MA- TERIAL (UG/G)	TOTAL MANGA- NESE IN BOTTOM MA- TERIAL (UG/G)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	TOTAL MAG- NE- SIUM (MG) (UG/L)	SUS- PENDEO MAG- NE- SIUM (MG) (UG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (UG/L)	TOTAL CADMI- MIUM (CD) (UG/L)	TOTAL CADMIUM IN BOTTOM MA- TERIAL (UG/G)
OCT.. 1974										
24...	8.4	1100	1100	240	13	1.5	.2	1.3	0	<10
JAN.. 1975										
22...	6.4	3600	--	110	--	16	--	1.1	0	--
APR..										
17...	5.6	2900	--	100	--	13	--	1.3	0	--
JULY..										
09...	--	1900	--	150	--	16	1.6	1.4	0	--
DATE	TOTAL CHRO- MIUM (CR) (UG/L)	TOTAL CHRO- MIUM IN BOTTOM MA- TERIAL (UG/G)	HEXA- VALENT CHRO- MIUM (CR6) (UG/L)	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 LEAD (PB) (UG/L)	TOTAL LEAD IN BOTTOM MA- TERIAL (UG/G)	TOTAL ZINC (ZN) (UG/L)
OCT.. 1974										
24...	<10	<10	--	5	<10	5	<10	11	<10	9
JAN.. 1975										
22...	20	--	--	0	--	2	--	10	--	7
APR..										
17...	<10	--	--	0	--	4	--	0	--	0
JULY..										
09...	<10	--	0	--	--	5	--	4	--	30

02441400 - TOMBIGREE RIVER NEAR COLUMBUS, MISS.--CONTINUED

PESTICIDE ANALYSES

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)
OCT.. 1974											
24...	.00	.0	.0	0	.00	.0	.00	.2	.00	.0	.01
JAN.. 1975											
22...	.00	--	.0	--	.00	--	<.01	--	.01	--	.00
APR.											
17...	.00	--	.0	--	.00	--	.00	--	.00	--	.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 IN BOTTOM MA- TERIAL (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)
OCT.. 1974											
24...	.0	<.01	.0	.01	.0	.00	.0	.00	.0	.00	.0
JAN.. 1975											
22...	--	.00	--	.00	--	.00	--	.00	--	.00	--
APR.											
17...	--	.00	--	.00	--	.00	--	.00	--	.00	--

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 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)
OCT.. 1974											
24...	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0	.0
JAN.. 1975											
22...	.00	--	.00	--	.00	--	.00	--	.00	--	.0
APR.											
17...	.00	--	.00	--	.00	--	.00	--	.00	--	.0

DATE	PCB 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)
OCT.. 1974											
24...	0	0	0	.00	.0	.00	0	.00	0	.00	0
JAN.. 1975											
22...	--	0	--	.00	--	.00	--	.00	--	.00	--
APR.											
17...	--	0	--	.00	--	.01	--	.00	--	.00	--

RADIOCHEMICAL ANALYSES

DATE	DIC- SOLVED GROSS ALPHA AS U-NAT. (UG/L)	SUS- PENED GROSS ALPHA AS U-NAT. (UG/L)	DIC- SOLVED GROSS BETA AS CS-137 (PC/L)	SUS- PENED GROSS BETA AS CS-137 (PC/L)	DIC- SOLVED GROSS BETA AS SR90 /Y90 (PC/L)	SUS- PENED GROSS BETA AS SR90 /Y90 (PC/L)
OCT.. 1974						
24...	<.7	.7	3.5	1.1	2.8	1.0

02443000 - LUXAPALLILA CREEK AT STEENS, MISS.

WATER QUALITY DATA

DATE	TIME	INSTANTANEOUS DIS- CHARGE (CFS)	BICARB- ONATE (MG/L)	CARB- ONATE (MG/L)	ALKA- LINIT- AS (MG/L)	DIS- SOLVED SULFATE (MG/L)	DIS- SOLVED CHLO- RIDE (MG/L)	TOTAL NITRITE PLUS NITRATE (MG/L)	AMMONIA NITRO- GEN (MG/L)	TOTAL ORGANIC NITRO- GEN (MG/L)	TOTAL KJEL- DAHL- GEN (MG/L)
SEP., 1974											
26...	1300	154	--	--	--	--	--	.09	.02	.10	.12
OCT. 24...	1500	129	9	0	7	3.2	7.1	.02	.00	.14	.14
NOV. 25...	1400	239	--	--	--	--	--	.06	.00	.00	.00
DEC. 11...	1400	384	--	--	--	--	--	.11	.01	.16	.17
JAN., 1975											
22...	1430	694	4	--	3	4.0	2.9	.13	.00	.27	.27
APR. 17...	1200	785	9	0	7	3.0	2.0	.06	.00	.21	.21
MAY 19...	1330	769	--	--	--	--	--	.14	.06	.49	.55
JUNE 16...	1230	404	--	--	--	--	--	.22	.02	.23	.25

DATE	TOTAL NITRO- GEN (MG/L)	TOTAL NITRO- GEN (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOLVED SOLIDS (RESI- DUCE AT 180 C) (MG/L)	TOTAL FILT- RABLE RESIDUE (MG/L)	DIS- SOLVED SOLIDS (TONS PER AC-FT)	DIS- SOLVED SOLIDS (TONS PER DAY)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	HARD- NESS (CA+MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)
SEP., 1974										
26...	.21	.93	.03	35	--	.05	14.6	--	--	--
OCT. 24...	.16	.71	.01	54	26	.07	18.8	9	12	5
NOV. 25...	.06	.27	.02	20	--	.03	12.9	--	--	--
DEC. 11...	.28	1.2	.02	21	--	.03	21.8	--	--	--
JAN., 1975										
22...	.40	1.8	.02	15	--	.02	28.1	--	18	15
APR. 17...	.27	1.2	.02	27	--	.04	57.2	--	13	6
MAY 19...	.69	3.1	.06	43	--	.06	89.3	--	--	--
JUNE 16...	.47	2.1	.04	29	--	.04	31.6	--	--	--

DATE	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COMALT UNITS)	TUR- BID- ITY (JTU)	DIS- SOLVED OXYGEN (MG/L)	CHEM- ICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L)	CARBON DIOXIDE (CO2) (MG/L)
SEP., 1974								
26...	34	6.1	17.5	--	10	7.6	18	--
OCT. 24...	34	6.3	13.5	50	8	9.6	8	7.2
NOV. 25...	33	6.4	11.7	--	9	9.7	14	--
DEC. 11...	37	6.7	6.0	--	10	12.0	12	--
JAN., 1975								
22...	32	6.2	8.0	70	20	12.0	8	4.0
APR. 17...	25	7.7	17.0	48	15	9.5	11	.3
MAY 19...	34	7.5	22.0	--	--	8.1	8	--
JUNE 16...	40	7.5	23.0	--	25	7.7	8	--

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

02443000 - LIXAPALLILA CREEK AT STEENS, MISS.--CONTINUED

WATER QUALITY DATA

DATE	FECAL COLIFORM (COL. PER 100 ML)	STREPTOCOCCI (COL. PER 100 ML)	UNCORRECTED PERI-PHYTON CHLOROPHYLL A (MG/SQ M)	UNCORRECTED PERI-PHYTON CHLOROPHYLL B (MG/SQ M)	PERI-PHYTON BIOMASS ASH WEIGHT (G/SQ M)	PERI-PHYTON BIOMASS DRY WEIGHT (G/SQ M)	TOTAL ORGANIC CARBON (C) (MG/L)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)
SEP.. 1974									
26...	--	--	--	--	--	--	5.1	--	--
OCT..									
24...	--	--	--	--	--	--	1.8	0	2
NOV..									
25...	--	--	--	--	--	--	3.4	--	--
DEC..									
11...	860	220	--	--	--	--	6.7	--	--
JAN.. 1975									
22...	850	870	--	--	--	--	5.0	1	0
APR..									
17...	81	87	--	--	--	--	7.2	0	0
MAY									
19...	860	8150	7.2	1.7	7.5	9.7	13	--	--
JUNE									
16...	--	--	--	--	--	--	7.0	--	--

DATE	TOTAL ARSENIC (AS) (UG/L)	TOTAL ARSENIC IN BOTTOM MATERIAL (UG/G)	TOTAL MERCURY (HG) (UG/L)	TOTAL MERCURY IN BOTTOM MATERIAL (UG/G)	TOTAL SELENIUM (SE) (UG/L)	TOTAL SELENIUM IN BOTTOM MATERIAL (UG/G)	SUSPENDED SEDIMENT (MG/L)	SUSPENDED SEDIMENT DISCHARGE (T/DAY)
SEP.. 1974								
26...	--	--	--	--	--	--	21	8.7
OCT..								
24...	2	2	.0	.1	0	0	6	2.1
NOV..								
25...	--	--	--	--	--	--	15	9.6
DEC..								
11...	--	--	--	--	--	--	25	26
JAN.. 1975								
22...	0	--	.0	--	0	--	14	26
APR..								
17...	0	--	.1	--	0	--	--	--
MAY								
19...	--	--	--	--	--	--	64	133
JUNE								
16...	--	--	--	--	--	--	45	49

SPECTROGRAPHIC ANALYSES

DATE	DIS-SOLVED SILICA (SI02) (MG/L)	TOTAL IRON (FE) (UG/L)	TOTAL IRON IN BOTTOM MATERIAL (UG/G)	TOTAL MANGANESE (MN) (UG/L)	TOTAL MANGANESE IN BOTTOM MATERIAL (UG/G)	DIS-SOLVED CALCIUM (CA) (MG/L)	TOTAL MAGNESIUM (MG) (MG/L)	SUSPENDED MAGNESIUM (MG) (MG/L)	DIS-SOLVED MAGNESIUM (MG) (MG/L)	TOTAL CADMIUM IN BOTTOM MATERIAL (UG/G)
OCT.. 1974										
24...	8.3	1200	980	130	120	3.4	1.0	.1	.9	3 <10
JAN.. 1975										
22...	7.1	930	--	50	--	5.9	--	--	.9	0 --
NOV..										
17...	6.4	1300	--	130	--	3.9	--	--	.9	0 --

DATE	TOTAL CHROMIUM (CR) (UG/L)	TOTAL CHROMIUM IN BOTTOM MATERIAL (UG/G)	TOTAL COBALT (CO) (UG/L)	TOTAL COBALT IN BOTTOM MATERIAL (UG/G)	TOTAL COPPER (CU) (UG/L)	TOTAL COPPER IN BOTTOM MATERIAL (UG/G)	TOTAL LEAD (PB) (UG/L)	TOTAL LEAD IN BOTTOM MATERIAL (UG/G)	TOTAL ZINC (ZN) (UG/L)	TOTAL ZINC IN BOTTOM MATERIAL (UG/G)
OCT.. 1974										
24...	<10	<10	5	<10	14	<10	16	<10	50	<10
JAN.. 1975										
22...	<10	--	0	--	3	--	4	--	0	--
NOV..										
17...	<10	--	0	--	1	--	0	--	0	--

02443000 - LUXAPALLILA CREEK AT STEENS, MISS.--CONTINUED

PESTICIDE ANALYSES

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)
OCT., 1974											
24...	.00	.0	.0	0	.00	.6	.00	.0	.00	.7	.01
JAN., 1975											
22...	.00	--	.0	--	.00	--	.00	--	.00	--	.00
APR.											
17...	.00	--	.0	--	.00	--	.00	--	<.01	--	.00

PESTICIDE ANALYSES

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)
OCT., 1974											
24...	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0
JAN., 1975											
22...	--	.00	--	.00	--	.00	--	.00	--	.00	--
APR.											
17...	--	.00	--	.00	--	.00	--	.00	--	.00	--

PESTICIDE ANALYSES

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 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)
OCT., 1974											
24...	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0	.0
JAN., 1975											
22...	.00	--	.00	--	.00	--	.00	--	.00	--	.0
APR.											
17...	.00	--	.00	--	.00	--	.00	--	.00	--	.0

PESTICIDE ANALYSES

DATE	PCR 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)
OCT., 1974											
24...	0	0	0	.00	.0	.00	0	.00	0	.00	0
JAN., 1975											
22...	--	0	--	.00	--	.00	--	.00	--	.00	--
APR.											
17...	--	0	--	.00	--	.00	--	.00	--	.00	--

RADIOCHEMICAL ANALYSES

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)
OCT., 1974						
24...	<.4	.6	2.5	<.5	2.1	<.5

02443610 - TOMBIGEE RIVER AT COLUMBUS, MISS--CONTINUED

SPECTROGRAPHIC ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

	DIS- SOLVED SILICA (STO2) (MG/L)	TOTAL IRON (FE) (US/L)	TOTAL IRON IN BOTTOM MA- TERIAL (UG/G)	TOTAL MANGANESE (MN) (UG/L)	TOTAL MANGANESE IN BOTTOM MA- TERIAL (UG/G)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	TOTAL MAG- NE- SIUM (MG) (MG/L)	SUS- PENDED MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	TOTAL CAD- MIUM (CD) (UG/L)	TOTAL CADMIUM IN BOTTOM MA- TERIAL (UG/G)
DATE											
OCT. 25...	8.0	1200	1300	200	210	12	1.4	.1	1.3	0	<10
JAN. 23...	6.5	3700	--	100	--	15	--	--	1.0	0	--
APR. 18...	5.8	3000	--	110	--	12	--	--	1.2	3	--

DATE	TOTAL CHRO- MIUM (PPM)	TOTAL CHRO- MIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL COBALT (PPM)	TOTAL COBALT IN BOTTOM MA- TERIAL (UG/G)	TOTAL COPPER (PPM)	TOTAL COPPER IN BOTTOM MA- TERIAL (UG/G)	TOTAL LEAD (PPM)	TOTAL LEAD IN BOTTOM MA- TERIAL (UG/G)	TOTAL ZINC (PPM)	TOTAL ZINC IN BOTTOM MA- TERIAL (UG/G)
OCT. 25...	<10	<10	5	<10	8	<10	9	<10	9	<10
JAN. 23...	20	--	0	--	3	--	6	--	7	--
APR. 18...	<10	--	3	--	0	--	29	--	20	--

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

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)
OCT. 25...	.00	.0	.0	0	.00	1.3	.00	1.5	.00	.9	.01
JAN. 23...	.00	--	.0	--	.00	--	.00	--	.00	--	.00
APR. 18...	.00	--	.0	--	.00	--	.00	--	.00	--	.00

DATE	DI- AZINON IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DI- FLORIN (UG/L)	DI- FLORIN 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)
OCT. 25...	.0	.01	.0	.01	.2	.00	.0	.00	.0	.00	.0
JAN. 23...	--	.00	--	.00	--	.00	--	.00	--	.00	--
APR. 18...	--	.00	--	.00	--	.00	--	.00	--	.00	--

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 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)
OCT. 25...	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0	.0
JAN. 23...	.00	--	.00	--	.00	--	.00	--	.00	--	.0
APR. 18...	.00	--	.00	--	.00	--	.00	--	.00	--	.0

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

02443610 - TOMMIGREE RIVER BL COLUMBUS, MISS--CONTINUED

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	PCR 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)
OCT. 25...	0	0	0	.00	.0	.00	0	.00	0	.00	0
JAN. 23...	--	0	--	.00	--	.00	--	.00	--	.00	--
APR. 18...	--	0	--	.00	--	.02	--	.00	--	.00	--

RADIOCHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

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)
OCT. 25...	<.8	1.0	3.3	1.0	2.6	.9

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

305

02448000 - NOXURIE RIVER AT MACON, MISS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTANTANEOUS DIS- CHARGE (CFS)	PICAR- BONATE (HC03) (MG/L)	CAR- BONATE (C03) (MG/L)	ALKA- LINITY AS CAC03 (MG/L)	DIS- SOLVED SULFATE (S04) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)
OCT. 30...	1200	81	21	0	17	3.3	5.6	.10	.02	.21	.23
NOV. 25...	1400	193	--	--	--	--	--	.15	.10	.69	.79
DEC. 10...	1230	955	--	--	--	--	--	.18	.06	.84	.90
JAN. 15...	1300	5820	18	--	15	10	3.5	.02	.04	.52	.56
APR. 15...	1330	3570	20	0	16	8.2	2.9	.06	.02	.67	.69
MAY 02...	1200	910	--	--	--	--	--	.18	.01	.52	.53
JUNE 12...	--	1800	--	--	--	--	--	1.2	.07	1.0	1.1

DATE	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N03) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L)	TOTAL FILT- RAHLE RESIDUE (MG/L)	DIS- SOLVED SOLIDS (T0NS PER AC-FT)	DIS- SOLVED SOLIDS (T0NS PER DAY)	TOTAL NON- FILT- RAHLE RESIDUE (MG/L)	HARD- NESS (CA, MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)
OCT. 30...	.33	1.5	.07	40	37	.05	8.76	27	22	4
NOV. 25...	.94	4.2	.10	107	--	.15	55.8	--	--	--
DEC. 10...	1.1	4.8	.22	84	--	.11	217	--	--	--
JAN. 15...	.58	2.6	.08	36	--	.05	566	--	25	10
APR. 15...	.75	3.3	.11	63	--	.09	607	--	25	9
MAY 02...	.71	3.1	.11	75	--	.10	184	--	--	--
JUNE 12...	2.3	10	.19	94	--	.13	457	--	--	--

DATE	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)	CHEM- ICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L)	CARBON DIOXIDE (C02) (MG/L)
OCT. 30...	52	6.4	18.0	30	20	7.8	8	13
NOV. 25...	108	6.9	12.0	--	30	9.4	22	--
DEC. 10...	91	6.4	7.0	--	50	10.6	18	--
JAN. 15...	75	6.7	6.0	100	40	10.5	32	5.7
APR. 15...	48	5.9	13.0	120	55	14.2	21	40
MAY 02...	92	6.0	21.0	--	4	7.8	16	--
JUNE 12...	102	6.7	24.0	--	170	7.1	20	--

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

02448000 - NOXURFF RIVER AT MACON, MISS.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	FECAL COLI-FORM (COL. PER 100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)	UNCORRECTED PERI-PHYTON CHLOROPHYLL A (MG/SQ M)	UNCORRECTED PERI-PHYTON CHLOROPHYLL B (MG/SQ M)	PERI-PHYTON BIOMASS ASH WEIGHT (G/SQ M)	PERI-PHYTON BIOMASS DRY WEIGHT (G/SQ M)	TOTAL ORGANIC CARBON (C) (MG/L)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)
OCT. 30...	848	832	--	--	--	--	3.2	0	3
NOV. 25...	--	--	.2	.1	1.5	3.1	7.1	--	--
DEC. 10...	--	--	--	--	--	--	7.0	--	--
JAN. 15...	270	180	--	--	--	--	8.0	0	0
APR. 15...	1200	3600	--	--	--	--	11	2	0
MAY 08...	600	420	.0	.0	.80	1.2	9.4	--	--
JUNE 12...	2200	5400	--	--	--	--	12	--	--

DATE	TOTAL ARSENIC (AS) (UG/L)	TOTAL ARSENIC IN BOTTOM MA-TERIAL (UG/G)	TOTAL MERCURY (MG) (UG/L)	TOTAL MERCURY IN BOTTOM MA-TERIAL (UG/G)	TOTAL SELENIUM (SE) (UG/L)	TOTAL SELENIUM IN BOTTOM MA-TERIAL (UG/G)	SUSPENDED SEDIMENT CHARGE (T/DAY)
OCT. 30...	1	2	.0	.0	0	0	4.4
NOV. 25...	--	--	--	--	--	--	17
DEC. 10...	--	--	--	--	--	--	155
JAN. 15...	1	--	.0	--	0	--	629
APR. 15...	1	--	.0	--	1	--	--
MAY 08...	--	--	--	--	--	--	233
JUNE 12...	--	--	--	--	--	--	1290

SPECTROGRAPHIC ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	DIS-SOLVED SILICA (SiO2) (MG/L)	TOTAL IRON (FE) (UG/L)	TOTAL IRON IN BOTTOM MA-TERIAL (UG/G)	TOTAL MANGANESE (MN) (UG/L)	TOTAL MANGANESE IN BOTTOM MA-TERIAL (UG/G)	DIS-SOLVED CALCIUM (CA) (MG/L)	TOTAL MAGNESIUM (MG) (UG/L)	SUSPENDED MAGNESIUM (MG) (UG/L)	DIS-SOLVED MAGNESIUM (MG) (UG/L)	TOTAL CADMIUM (CD) (UG/L)	TOTAL CADMIUM IN BOTTOM MA-TERIAL (UG/G)
OCT. 30...	9.8	1300	5900	120	310	7.5	1.1	.4	.7	0	<10
JAN. 15...	7.8	1900	--	60	--	7.6	--	--	1.4	0	--
APR. 15...	5.9	3200	--	110	--	7.7	--	--	1.4	0	--

DATE	TOTAL CHROMIUM (CR) (UG/L)	TOTAL CHROMIUM 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 LEAD (PB) (UG/L)	TOTAL LEAD IN BOTTOM MA-TERIAL (UG/G)	TOTAL ZINC (ZN) (UG/L)	TOTAL ZINC IN BOTTOM MA-TERIAL (UG/G)
OCT. 30...	<10	<10	0	<10	4	<10	1	<10	5	20
JAN. 15...	<10	--	0	--	9	--	13	--	0	--
APR. 15...	<10	--	0	--	4	--	9	--	9	--

02449000 - NOXURFF RIVER AT MACON, MISS.--CONTINUED

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

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)
OCT. 30...	.00	.0	.0	0	.00	2.5	.00	2.0	.00	1.2	.00
JAN. 15...	.00	--	.0	--	.00	--	.00	--	.00	--	.00
APR. 15...	.00	--	.0	--	.00	--	.00	--	.00	--	.00
DATE	TOTAL DI-AZINON IN BOTTOM MA-- TERIAL (UG/KG)	TOTAL DI-ELORIN (UG/L)	DI-ELORIN 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)
OCT. 30...	.0	.00	.3	.00	.0	.00	.0	.00	.0	.00	.0
JAN. 15...	--	.00	--	.00	--	.00	--	.00	--	.00	--
APR. 15...	--	.00	--	.00	--	.00	--	.00	--	.00	--

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 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 BOT-TOM MA-- TERIAL (UG/KG)	TOTAL PCB (UG/L)
OCT. 30...	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0	.0
JAN. 15...	.00	--	.00	--	.00	--	.00	--	.00	--	.0
APR. 15...	.00	--	.00	--	.00	--	.00	--	.00	--	.0
DATE	TOTAL DCP 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 BOT-TOM MA-- TERIAL (UG/KG)
OCT. 30...	0	0	0	.00	.0	.03	0	.00	0	.00	0
JAN. 15...	--	0	--	.00	--	.00	--	.00	--	.00	--
APR. 15...	--	0	--	.00	--	.40	--	.01	--	.00	--

RADIOCHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

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 SR90 /Y90 (PC/L)	SUS-PENDED GROSS BETA AS SR90 /Y90 (PC/L)
OCT. 30...	<.6	1.8	1.8	<1.0	1.5	<.9

02448500 - NOXUBEE RIVER NEAR GEIGER, ALA.

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTANTANEOUS DIS- CHARGE (CFS)	BICARBONATE (MG/L)	CARBONATE (MG/L)	ALKALINITY AS CACO3 (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLORIDE (CL) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL- NITRO- GEN (N) (MG/L)
OCT.											
22...		139									
30...	1400	130	65	0	53	4.9	7.5	.04	.01	.19	.20
NOV.											
25...	1530	294		0				.10	.13	.72	.85
DEC.											
05...		519									
10...	1400	1750		0				.37	.03	1.1	1.1
JAN.											
15...	1500	10900	34	0	28	6.9	3.3	.04	.06	.56	.62
FEB.											
13...		1200									
MAR.											
20...		14400									
APR.											
15...	1500	4550	34	0	28	7.3	3.2	.18	.04	.72	.76
MAY											
08...	1330	1520		0				.22	.01	.64	.65
JUNE											
03...		542									
12...	1430	3200		0				1.1	.09	1.7	1.8
JULY											
16...		341									
AUG.											
06...		2720									

DATE	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOLVED SOLIDS (RESI- DUCE AT 180 C) (MG/L)	TOTAL FILT- RABLE RESIDUE (MG/L)	DIS- SOLVED SOLIDS (TONS PER AC-FT)	DIS- SOLVED SOLIDS (TONS PER DAY)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	HARD- NESS (CA+MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)
OCT.										
22...										
30...	.24	1.2	.07	95	83	.13	33.4	14	60	7
NOV.										
25...	.95	4.2	.07	91		.13	77.0			
DEC.										
05...										
10...	1.5	6.5	.29	120		.16	567			
JAN.										
15...	.46	2.9	.10	42		.06	1240		40	12
FEB.										
13...										
MAR.										
20...										
APR.										
15...	.94	4.2	.17	72		.10	885		35	7
MAY										
08...	.87	3.9	.17	84		.12	365			
JUNE										
03...										
12...	2.9	13	.31	120		.16	1040			
JULY										
16...										
AUG.										
06...										

DATE	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	DIS- SOLVED OXYGEN (MG/L)	CHEM- ICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L)	CARRON DIAXIDE (CU2) (MG/L)
OCT.								
22...	112		15.5					
30...	130	7.2	19.0	30	10	6.7	14	6.6
NOV.								
25...	135	7.3	12.0		20	4.3	18	
DEC.								
05...	145		6.0					
10...	137	7.1	8.5		90	4.8	26	
JAN.								
15...	90	7.0	8.0	200	60	4.8	41	5.4
FEB.								
13...	145		9.5					
MAR.								
20...	60							
APR.								
15...	62	5.7	13.0	110	75	14.3	21	98
MAY								
08...	120	6.3	20.0		50	4.0	20	
JUNE								
03...	154		25.5					
12...	150	7.5	24.5		250	6.5	18	
JULY								
16...			25.5					
AUG.								
06...			25.0					

02448500 - MOXORE RIVER NEAR GEIGER, ALA.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	CHLORO- PHYLL A (UG/L)	CHLORO- PHYLL B (UG/L)	FECAL COLI- FORM (CUL. PER 100 ML)	STREP- TOCOC- CI (COL- ONIES PER 100 ML)	UNCOR- RECTED PERI- PHYTON CHLORO- PHYLL A MG/SQ M	UNCOR- RECTED PERI- PHYTON CHLORO- PHYLL B MG/SQ M	TOTAL ORGANIC CARBON (C) (MG/L)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)
OCT.									
22...	--	--	--	--	--	--	--	--	--
30...	--	--	816	868	--	--	7.2	0	2
NOV.									
25...	--	--	--	--	--	--	4.1	--	--
DEC.									
05...	--	--	--	--	--	--	--	--	--
10...	--	--	--	--	--	--	18	--	--
JAN.									
15...	.0	.0	270	860	.0	.0	11	1	0
FEB.									
13...	--	--	--	--	--	--	--	--	--
MAR.									
20...	--	--	--	--	--	--	--	--	--
APR.									
15...	--	--	1300	3900	--	--	16	0	0
MAY									
08...	--	--	389	228	--	--	7.5	--	--
JUNE									
03...	--	--	--	--	--	--	--	--	--
12...	--	--	3600	2000	--	--	19	--	--
JULY									
16...	--	--	--	--	--	--	--	--	--
AUG.									
06...	--	--	--	--	--	--	--	--	--

DATE	TOTAL ARSENIC (AS) (UG/L)	TOTAL ARSENIC IN BOTTOM MA- TERIAL (UG/G)	TOTAL MERCURY (MG) (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)	SUS- PENDE- D SEDI- MENT (MG/L)	SUS- PENDE- D SEDI- MENT CHARGE (T/DAY)
OCT.								
22...	--	--	--	--	--	--	--	--
30...	1	4	.0	.1	0	0	32	11
NOV.								
25...	--	--	--	--	--	--	21	17
DEC.								
05...	--	--	--	--	--	--	--	--
10...	--	--	--	--	--	--	181	855
JAN.								
15...	1	--	.6	--	0	--	54	1590
FEB.								
13...	--	--	--	--	--	--	--	--
MAR.								
20...	--	--	--	--	--	--	--	--
APR.								
15...	3	--	.0	--	1	--	--	--
MAY								
08...	--	--	--	--	--	--	120	492
JUNE								
03...	--	--	--	--	--	--	--	--
12...	--	--	--	--	--	--	150	1300
JULY								
16...	--	--	--	--	--	--	--	--
AUG.								
06...	--	--	--	--	--	--	--	--

SPECTROGRAPHIC ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	DIS- SOLVED SILICA (SiO2) (MG/L)	TOTAL IRON (FE) (UG/L)	TOTAL IRON IN BOTTOM MA- TERIAL (UG/G)	TOTAL MANGA- NESE IN BOTTOM MA- TERIAL (UG/G)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	TOTAL MAG- NE- SIUM (MG) (MG/L)	SUS- PENDE- D MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	TOTAL CAD- MIUM (CD) (UG/L)	TOTAL CADMIUM IN BOTTOM MA- TERIAL (UG/G)
OCT.										
30...	2.6	990	4000	76	340	22	1.4	.2	1.2	0
JAN.										
15...	6.5	2300	--	69	--	14	--	--	1.3	0
APR.										
15...	4.5	4100	--	120	--	12	--	--	1.1	0

02448500 - MOXOREE RIVER NEAR GEFIGER, ALA.--CONTINUED

SPECTROGRAPHIC ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TOTAL CHROMIUM (CP) (UG/L)	TOTAL CHROMIUM 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 LEAD (PB) (UG/L)	TOTAL LEAD IN BOTTOM MA-TERIAL (UG/G)	TOTAL ZINC (ZN) (UG/L)	TOTAL ZINC IN BOTTOM MA-TERIAL (UG/G)
OCT. 30...	<10	<10	0	<10	4	<10	4	<10	20	30
JAN. 15...	<10	--	1	--	4	--	4	--	7	--
APR. 15...	<10	--	0	--	4	--	4	--	10	--

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	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 DIAZINON (UG/L)
OCT. 30...	.00	.0	.0	0	.00	2.9	.00	2.8	.00	.0	.00
JAN. 15...	--	--	--	--	--	--	--	--	--	--	--
APR. 15...	.00	--	.0	--	.00	--	.00	--	.00	--	.00

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)	HEPTA-CHLOR EPOXIDE IN BOTTOM MA-TERIAL (UG/L)	HEPTA-CHLOR EPOXIDE IN BOTTOM MA-TERIAL (UG/KG)
OCT. 30...	.0	.00	.2	.00	.0	.00	.0	.00	.0	.00	.0
JAN. 15...	--	--	--	--	--	--	--	--	--	--	--
APR. 15...	--	.00	--	.00	--	.00	--	.00	--	.00	--

DATE	TOTAL LINDANE (UG/L)	LINDANE IN BOTTOM MA-TERIAL (UG/KG)	TOTAL MALATHION (UG/L)	MALATHION IN BOTTOM MA-TERIAL (UG/KG)	TOTAL METHYL PARA-THION (UG/L)	METHYL PARA-THION IN BOTTOM MA-TERIAL (UG/KG)	TOTAL METHYL TRI-THION (UG/L)	METHYL TRI-THION IN BOTTOM MA-TERIAL (UG/KG)	TOTAL PARA-THION (UG/L)	PARA-THION IN BOTTOM MA-TERIAL (UG/KG)	TOTAL PCB (UG/L)
OCT. 30...	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0	.0
JAN. 15...	--	--	--	--	--	--	--	--	--	--	--
APR. 15...	.00	--	.00	--	.00	--	.00	--	.00	--	.0

DATE	PCR 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)
OCT. 30...	0	0	0	.00	.0	.02	0	.00	0	.00	0
JAN. 15...	--	--	--	--	--	.03	--	.04	--	.01	--
APR. 15...	--	0	--	.00	--	.03	--	.01	--	.00	--

RADIOCHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

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 SR90 /Y90 (PC/L)	SUS-PENDED GROSS BETA AS SR90 /Y90 (PC/L)
OCT. 30...	<1.1	.4	3.2	.5	2.5	.5

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

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PASCAGOULA RIVER BASIN

02472000 - LEAF RIVER NEAR COLLINS, MISS

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTAN- TANEOUS DIS- CHARGE (CFS)	BICAR- BONATE (HCO ₃) (MG/L)	CAR- BONATE (CO ₃) (MG/L)	ALKA- LINITY AS CACO ₃ (MG/L)	DIS- SOLVED SULFATE (SO ₄) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL- NITRO- GEN (N) (MG/L)
OCT. 23...	1400	283	15	0	12	3.0	25	.23	.04	.13	.17
JAN. 20...	1500	1640	16	0	13	5.0	7.9	.16	.05	.43	.48
APR. 01...	0800	2080	22	0	18	4.8	4.4	.13	.05	.53	.58

DATE	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO ₃) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L)	TOTAL FILT- RABLE RESIDUE (MG/L)	DIS- SOLVED SOLIDS (TONS PER AC-FT)	DIS- SOLVED SOLIDS (TONS PER DAY)	TOTAL FIT T- WABLE RESIDUE (MG/L)	HARD- NESS (CA+MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)
OCT. 23...	.40	1.8	.04	55	75	.13	72.6	51	30	17
JAN. 20...	.64	2.8	.06	35	--	.05	155	--	24	19
APR. 01...	.71	3.1	.07	56	--	.08	314	--	22	4

DATE	SPE- CIFIC CON- DUCT- ANCE (MICRO- MH/CM)	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)	CARBON DIOXIDE (CO ₂) (MG/L)	FECAL COLI- FORM (COL. PER 100 ML)	STREP- TOCOCCI (COL- ONIES PER 100 ML)	TOTAL ORGANIC CARBON (C) (MG/L)
OCT. 23...	110	6.0	15.5	40	20	9.1	8	24	--	--	9.8
JAN. 20...	67	7.0	11.5	60	30	10.2	8	2.6	8170	870	5.7
APR. 01...	40	6.4	12.0	110	55	9.9	18	14	81500	640	13

DATE	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	TOTAL ARSENIC (AS) (UG/L)	TOTAL ARSENIC IN BOTTOM MA- TERIAL (UG/G)	TOTAL MERCURY (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)	SUS- PENDED SEDIM- ENT (MG/L)	SUS- PENDED SEDIM- ENT CHARGE (T/DAY)
OCT. 23...	0	2	2	2	.0	.0	0	0	--	--
JAN. 20...	1	0	0	--	.0	--	0	--	36	159
APR. 01...	4	0	2	--	.1	--	0	--	140	786

SPECTROGRAPHIC ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	DIS- SOLVED SILICA (SiO ₂) (MG/L)	TOTAL IRON (FE) (UG/L)	TOTAL IRON IN BOTTOM MA- TERIAL (UG/G)	TOTAL MANG- NESE (MANG- NESE IN BOTTOM MA- TERIAL (UG/G)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	TOTAL MAG- NE- SIUM (MG)	SUS- PENDED MAG- NE- SIUM (MG)	DIS- SOLVED MAG- NE- SIUM (MG)	TOTAL CAD- MIUM (CD) (UG/L)	TOTAL CADMIUM IN BOTTOM MA- TERIAL (UG/G)
OCT. 23...	10	2000	1800	260	110	10	1.3	.2	1.1	0
JAN. 20...	10	1300	--	110	--	7.6	--	--	1.1	0
APR. 01...	7.4	2700	--	150	--	7.0	--	--	1.0	0

DATE	TOTAL CHRO- MIUM (CR) (UG/L)	TOTAL MILUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL COHALT (CO) (UG/L)	TOTAL COHALT IN BOTTOM MA- TERIAL (UG/G)	TOTAL COPPER (CU) (UG/L)	TOTAL COPPER IN BOTTOM MA- TERIAL (UG/G)	TOTAL LEAD (Pb) (UG/L)	TOTAL LEAD IN BOTTOM MA- TERIAL (UG/G)	TOTAL ZINC (ZN) (UG/L)	TOTAL ZINC IN BOTTOM MA- TERIAL (UG/G)
OCT. 23...	0	<10	5	<10	13	<10	8	<10	30	10
JAN. 20...	20	--	0	--	50	--	6	--	60	--
APR. 01...	<10	--	5	--	2	--	6	--	5	--

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

02472000 - LEAF RIVER NEAR COLLINS, MISS--CONTINUED

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

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)
OCT. 23...	.00	.0	.0	0	.00	3.8	.00	3.3	.00	3.9	.01
JAN. 20...	.00	--	.0	--	.00	--	.00	--	.00	--	.00
APR. 01...	.00	--	.0	--	.00	--	.00	--	.00	--	.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)
OCT. 23...	.0	.00	.5	.00	.0	.00	.0	.00	.0	.00	.0
JAN. 20...	--	.00	--	.00	--	.00	--	.00	--	.00	--
APR. 01...	--	.00	--	.00	--	.00	--	.00	--	.00	--

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 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)
OCT. 23...	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0	.0
JAN. 20...	.00	--	.00	--	.00	--	.00	--	.00	--	.0
APR. 01...	.00	--	.00	--	.00	--	.00	--	.00	--	.0

DATE	PCB 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)
OCT. 23...	0	0	0	.00	.0	.00	0	.00	0	.00	0
JAN. 20...	--	0	--	.00	--	.00	--	.00	--	.00	--
APR. 01...	--	0	--	.00	--	.00	--	.00	--	.00	--

RADIOCHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

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)
OCT. 23...	<1.0	2.6	2.6	1.2	2.1	1.1

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

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02472170 - LEAF RIVER NEAR ELLISVILLE, MISS.

WATER QUALITY DATA WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTAN- TANEOUS DTS- CHARGE (CFS)	PICAD- RONATE (HCO ₃) (MG/L)	CAR- RONATE (CO ₃) (MG/L)	ALKA- LINITY AS CA CO ₃ (MG/L)	DIS- SOLVED SULFATE (SO ₄) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	TOTAL NITRATE PLUS NITRATE (N) (MG/L)	AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)
OCT. 23...	1300	290	13	0	11	2.3	18	.24	.01	.22	.23
JAN. 29...	1600	--	14	0	11	4.7	4.1	.22	.04	.33	.37
APR. 01...	1000	--	18	0	15	5.0	5.6	.13	.05	.64	.69

DATE	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOLVED SOLIDS (RESI- DUE AT 100 C) (MG/L)	TOTAL FILT- RABLE RESIDUE (MG/L)	DIS- SOLVED SOLIDS (TONS PER AC-FT)	DIS- SOLVED SOLIDS (TONS PER DAY)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	HARD- NESS (CA+MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)
OCT. 23...	.47	2.1	.02	54	61	.07	40.8	8	22	12
JAN. 29...	.59	2.6	.03	34	--	.05	--	--	19	8
APR. 01...	.92	3.6	.08	57	--	.08	--	--	26	11

DATE	SOL- CLIFIC COA- NITRO- GEN (MG/L)	PH	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)	CARBON DIOXIDE (CO ₂) (MG/L)	FECAL COLI- FORM (CUL. PER 100 ML)	STREP- TOCOCCI (COL- ONIES PER 100 ML)
OCT. 23...	80	6.4	16.0	30	7	11.4	12	8.3	--	--
JAN. 29...	63	6.9	11.5	60	20	10.2	10	2.8	8110	850
APR. 01...	40	6.4	13.0	120	55	10.0	18	11	1800	560

DATE	TOTAL ORGANIC CARBON (C) (MG/L)	PHENOLS (MG/L)	OIL AND GREASE (MG/L)	TOTAL ARSENIC (AS) (UG/L)	TOTAL ARSENIC 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 (SE) (UG/L)	TOTAL SELE- NIUM IN BOTTOM MA- TERIAL (UG/G)	SUS- PENDED SEDI- MENT (MG/L)
OCT. 23...	4.9	2	1	1	0	.0	.0	0	0	--
JAN. 29...	4.5	2	0	0	--	.0	--	0	--	35
APR. 01...	12	6	0	3	--	.1	--	0	--	234

SPECTROGRAPHIC ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	DIS- SOLVED SILICA (SiO ₂) (MG/L)	TOTAL IRON (FE) (UG/L)	TOTAL IRON IN BOTTOM MA- TERIAL (UG/G)	TOTAL MANGA- NESE IN BOTTOM MA- TERIAL (UG/G)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	TOTAL MANGA- NESE (MG)	SUS- PENDED MAG- NESE (MG)	DIS- SOLVED MAG- NESE (MG)	TOTAL CADMIUM IN BOTTOM MA- TERIAL (UG/G)
OCT. 23...	11	940	430	140	6.9	1.2	.0	1.2	0
JAN. 29...	10	1200	--	110	--	6.9	--	1.1	0
APR. 01...	7.8	2000	--	180	--	8.6	--	1.0	0

DATE	TOTAL COPPER IN BOTTOM MA- TERIAL (UG/G)	TOTAL COPPER IN BOTTOM MA- TERIAL (UG/G)	TOTAL COPPER IN BOTTOM MA- TERIAL (UG/G)	TOTAL COPPER IN BOTTOM MA- TERIAL (UG/G)	TOTAL COPPER IN BOTTOM MA- TERIAL (UG/G)	TOTAL COPPER IN BOTTOM MA- TERIAL (UG/G)	TOTAL COPPER IN BOTTOM MA- TERIAL (UG/G)	TOTAL COPPER IN BOTTOM MA- TERIAL (UG/G)	TOTAL COPPER IN BOTTOM MA- TERIAL (UG/G)
OCT. 23...	0	<10	0	<10	11	<10	7	<10	20
JAN. 29...	10	--	0	--	32	--	4	--	7
APR. 01...	20	--	6	--	2	--	4	--	20

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

02472170 - LEAF RIVER NEAR ELLISVILLE, MISS.--CONTINUED

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	ALDRIN IN BOTTOM MA- TERIAL		CHLOR- DANE IN BOTTOM MA- TERIAL		DDD IN BOTTOM MA- TERIAL		DDE IN BOTTOM MA- TERIAL		DDT IN BOTTOM MA- TERIAL		TOTAL DI- AZINON (UG/L)
	TOTAL ALDRIN (UG/L)	(UG/KG)	TOTAL CHLOR- DANE (UG/L)	(UG/KG)	TOTAL DDD (UG/L)	(UG/KG)	TOTAL DDE (UG/L)	(UG/KG)	TOTAL DDT (UG/L)	(UG/KG)	
OCT. 23...	.00	.0	.0	0	.00	1.4	.00	1.3	.00	1.3	.00
JAN. 20...	.00	--	.0	--	.00	--	.00	--	.00	--	.00
APR. 01...	.00	--	.0	--	.00	--	.00	--	.00	--	.00

DATE	DI- AZINON IN BOTTOM MA- TERIAL		DI- FLORIN IN BOTTOM MA- TERIAL		ENDRIN IN BOTTOM MA- TERIAL		ETHION IN BOTTOM MA- TERIAL		HEPTA- CHLOR IN BOTTOM MA- TERIAL		HEPTA- CHLOR EPOXIDE IN BOT- TOM MA- TERIAL (UG/KG)
	TOTAL DI- AZINON (UG/KG)	(UG/L)	TOTAL DI- FLORIN (UG/KG)	(UG/L)	TOTAL ENDRIN (UG/KG)	(UG/L)	TOTAL ETHION (UG/KG)	(UG/L)	TOTAL HEPTA- CHLOR (UG/KG)	(UG/L)	
OCT. 23...	.0	.00	.1	.00	.0	.00	.0	.00	.0	.00	.0
JAN. 20...	--	.00	--	.00	--	.00	--	.00	--	.00	--
APR. 01...	--	.00	--	.00	--	.00	--	.00	--	.00	--

DATE	LINDANE IN BOTTOM MA- TERIAL		MALA- THION IN BOTTOM MA- TERIAL		METHYL PARA- THION IN BOT- TOM MA- TERIAL		METHYL TRI- THION IN BOT- TOM MA- TERIAL		PARA- THION IN BOTTOM MA- TERIAL		TOTAL PCB (UG/L)
	TOTAL LINDANE (UG/L)	(UG/KG)	TOTAL MALA- THION (UG/L)	(UG/KG)	TOTAL METHYL PARA- THION (UG/L)	(UG/KG)	TOTAL METHYL TRI- THION (UG/L)	(UG/KG)	TOTAL PARA- THION (UG/L)	(UG/KG)	
OCT. 23...	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0	.0
JAN. 20...	.00	--	.00	--	.00	--	.00	--	.00	--	.0
APR. 01...	.00	--	.00	--	.00	--	.00	--	.00	--	.0

DATE	PCB IN BOTTOM MA- TERIAL		TOX- APHENE IN BOTTOM MA- TERIAL		TRI- THION IN BOTTOM MA- TERIAL		2,4-D IN BOTTOM MA- TERIAL		2,4,5-T IN BOTTOM MA- TERIAL		SILVEX IN BOTTOM MA- TERIAL (UG/KG)
	TOTAL PCB (UG/KG)	(UG/L)	TOTAL TOX- APHENE (UG/KG)	(UG/L)	TOTAL TRI- THION (UG/KG)	(UG/L)	TOTAL 2,4-D (UG/KG)	(UG/L)	TOTAL 2,4,5-T (UG/KG)	(UG/L)	
OCT. 23...	0	0	0	.00	.0	.00	0	.00	0	.00	0
JAN. 20...	--	0	--	.00	--	.00	--	.00	--	.00	--
APR. 01...	--	0	--	.00	--	.00	--	.00	--	.00	--

RADIOCHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

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 SR90 /Y90 (PC/L)	SUS- PENDED GROSS BETA AS SR90 /Y90 (PC/L)
OCT. 23...	<.8	.6	2.6	1.0	2.0	.9

02472373 - LEAF RIVER AT ESTABUTCHIE, MISS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTANTANEOUS DTS- CHARGE (CFS)	BICARBONATE (MCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CACO3 (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLORIDE (CL) (MG/L)	TOTAL NITRATE PLUS NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJEL- DAHL- NITROGEN (N) (MG/L)
OCT. 23...	1100	1500	12	0	10	2.2	13	.23	.01	.22	.23
JAN. 20...	1700	2390	12	--	10	4.0	6.3	.21	.04	.35	.39
APR. 01...	1700	2250	14	0	11	4.4	5.6	.19	.06	.55	.61

DATE	TOTAL NITROGEN (N) (MG/L)	TOTAL NITROGEN (NO3) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L)	TOTAL FILT- RABLE RESIDUE (MG/L)	DIS- SOLVED SOLIDS (TONS PER AC-FT)	DIS- SOLVED SOLIDS (TONS PER DAY)	TOTAL FILT- RABLE RESIDUE (MG/L)	HARD- NESS (CA+MG) (MG/L)	NON- CARBONATE HARD- NESS (MG/L)
OCT. 23...	.46	2.0	.02	73	54	.10	246	7	18	8
JAN. 20...	.60	2.7	.04	27	--	.04	174	--	16	6
APR. 01...	.80	3.6	.07	54	--	.07	328	--	17	5

DATE	SPF- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	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)	CARBON DIOXIDE (CO2) (MG/L)	FECAL COLI- FORM (COL. PER 100 ML)	STREP- TOCOCCI (COL- ONIES PER 100 ML)	TOTAL ORGANIC CARBON (C) (MG/L)
OCT. 23...	75	6.2	16.0	30	6	10.3	15	12	--	--	4.3
JAN. 20...	52	6.0	11.5	50	40	10.2	22	19	820	190	11
APR. 01...	50	6.5	17.0	50	30	9.7	19	7.1	11800	420	8.8

DATE	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	TOTAL ARSENIC (AS) (UG/L)	TOTAL ARSENIC IN BOTTOM MA- TERIAL (UG/G)	TOTAL MERCURY (MG)	TOTAL MERCURY (UG/G)	TOTAL MERCURY IN BOTTOM MA- TERIAL (UG/G)	TOTAL SELE- NIUM (SE) (UG/L)	TOTAL SELE- NIUM IN BOTTOM MA- TERIAL (UG/G)	SUS- PENDED SEDI- MENT (MG/L)	SUS- PENDED SEDI- MENT CHARGE (T/DAY)
OCT. 23...	4	1	1	3	.0	.1	0	0	--	--	--
JAN. 20...	5	0	1	--	.3	--	0	--	36	231	--
APR. 01...	8	0	1	--	.0	--	0	--	150	911	--

SPECTROGRAPHIC ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	DIS- SOLVED SILICA (SiO2) (MG/L)	TOTAL IRON (FE) (UG/L)	TOTAL IRON IN BOTTOM MA- TERIAL (UG/G)	TOTAL MANGANESE (MN) (UG/L)	TOTAL MANGANESE IN BOTTOM MA- TERIAL (UG/G)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	TOTAL MAG- NE- SIUM (MG)	SUS- PENDED MAG- NE- SIUM (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG)	TOTAL CAD- MIUM (CD) (UG/L)	TOTAL CADMIUM IN BOTTOM MA- TERIAL (UG/G)
OCT. 23...	10	910	3600	76	420	5.3	1.1	.0	1.1	0	<10
JAN. 20...	9.9	2000	--	120	--	4.7	--	--	1.1	0	--
APR. 01...	9.2	2700	--	50	--	5.4	--	--	.8	0	--

DATE	TOTAL CHRO- MIUM (CR) (UG/L)	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 LEAD (PB) (UG/L)	TOTAL LEAD IN BOTTOM MA- TERIAL (UG/G)	TOTAL ZINC (ZN) (UG/L)	TOTAL ZINC IN BOTTOM MA- TERIAL (UG/G)
OCT. 23...	0	<10	3	<10	28	<10	7	<10	20	20
JAN. 20...	<10	--	1	--	42	--	4	--	20	--
APR. 01...	<10	--	0	--	1	--	3	--	4	--

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

02472373 - LEAF RIVER AT ESTABUTCHIE, MISS.--CONTINUED

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	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 DI-AZINON (UG/L)
OCT. 23...	.00	.0	.0	0	.00	2.2	.00	2.3	.00	2.4	.00
JAN. 20...	.00	--	.0	--	.00	--	.00	--	.00	--	.00
APR. 01...	.00	--	.0	--	.00	--	.00	--	.00	--	.00

DATE	TOTAL DI-AZINON (UG/L)	DI-AZINON 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 BOTTOM MA-TERIAL (UG/KG)
OCT. 23...	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
JAN. 20...	--	.00	--	.00	--	.00	--	.00	--	.00
APR. 01...	--	.00	--	.00	--	.00	--	.00	--	.00

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 METHYL PARA-THION (UG/L)	METHYL PARA-THION IN BOTTOM MA-TERIAL (UG/KG)	TOTAL METHYL TRI-THION (UG/L)	METHYL TRI-THION IN BOTTOM MA-TERIAL (UG/KG)	TOTAL PARA-THION (UG/L)	PARA-THION IN BOTTOM MA-TERIAL (UG/KG)	TOTAL PCB (UG/L)
OCT. 23...	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0	.0
JAN. 20...	.00	--	.00	--	.00	--	.00	--	.00	--	.0
APR. 01...	.00	--	.00	--	.00	--	.00	--	.00	--	.0

DATE	TOTAL PCP (UG/L)	PCP 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)
OCT. 23...	0	0	0	.00	.0	.00	0	.00	0	.00	0	0
JAN. 20...	--	0	--	.00	--	.00	--	.00	--	.90	--	--
APR. 01...	--	0	--	.00	--	.00	--	.00	--	.00	--	--

RADIOCHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

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 SR90 /Y90 (PC/L)	SUS-PENDED GROSS BETA AS SR90 /Y90 (PC/L)
OCT. 23...	.5	<.4	2.4	<.5	1.9	<.5

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

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02472500 - ROWIE CREEK NEAR HATTIESBURG, MISS

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTANTANEOUS DIS- CHARGE (CFS)	BICARBONATE (HCO ₃) (MG/L)	CARBONATE (CO ₃) (MG/L)	ALKALINITY AS CaCO ₃ (MG/L)	DIS- SOLVED SULFATE (SO ₄) (MG/L)	DIS- SOLVED CHLORIDE (CL) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)
OCT.											
23...	0800	216	9	0	7	.2	2.7	.12	.00	.22	.22
NOV.											
25...	1215	314	--	--	--	--	--	.10	.00	.05	.05
DEC.											
17...	1215	494	--	--	--	--	--	.10	.02	.42	.44
JAN.											
20...	1300	816	7	--	6	1.9	3.5	.17	.05	.30	.35
FEB.											
12...	1520	359	--	--	--	--	--	.18	.00	.16	.16
APR.											
03...	0730	503	8	0	7	1.8	3.2	.16	.03	.34	.37
MAY											
08...	1345	7240	--	--	--	--	--	.20	.36	1.0	1.4
JUNE											
04...	0900	277	--	--	--	--	--	.20	.20	.01	.21

DATE	TOTAL NITROGEN (N) (MG/L)	TOTAL NITROGEN (NO ₃) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L)	TOTAL FILT- RABLE RESIDUE (MG/L)	DIS- SOLVED SOLIDS (TONS PER AC-FT)	DIS- SOLVED SOLIDS (TONS PER DAY)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	HARD- NESS (CA+MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)
OCT.										
23...	.34	1.5	.02	24	28	.03	14.0	43	7	0
NOV.										
25...	.15	.65	.02	27	--	.04	22.9	--	--	--
DEC.										
17...	.54	2.4	.04	34	--	.05	45.4	--	--	--
JAN.										
20...	.52	2.3	.03	15	--	.02	33.0	--	11	6
FEB.										
12...	.34	1.5	.01	23	--	.03	22.3	--	--	--
APR.										
03...	.53	2.3	.03	37	--	.05	50.2	--	7	1
MAY										
08...	1.6	7.1	.04	22	--	.03	430	--	--	--
JUNE										
04...	.41	1.4	.02	38	--	.05	28.4	--	--	--

DATE	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)	CARBON DIOXIDE (CO ₂) (MG/L)	FECAL COLI- FORM (COL. PER 100 ML)	STREP- TOCOCCI (COL- ONIES PER 100 ML)	TOTAL ORGANIC CARBON (C) (MG/L)
OCT.											
23...	26	7.0	15.0	20	6	15.3	8	1.4	875	403	4.0
NOV.											
25...	34	5.5	13.5	--	9	9.2	12	--	--	--	4.9
DEC.											
17...	30	5.5	9.5	--	10	10.6	4	--	240	420	6.5
JAN.											
20...	29	5.4	12.0	50	20	10.5	28	14	370	480	6.8
FEB.											
12...	22	6.4	13.5	--	6	9.6	6	--	832	815	10
APR.											
03...	20	6.6	12.0	50	12	9.9	8	3.2	500	366	6.0
MAY											
08...	22	6.9	23.0	--	35	7.4	38	--	840	3300	15
JUNE											
04...	20	6.4	22.0	--	7	8.3	8	--	813	1400	4.8

02472500 - HOWIE CREEK NEAR HATTIESBURG, MISS--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	TOTAL ARSENIC (AS) (UG/L)	TOTAL ARSENIC IN BOTTOM MA- TERIAL (UG/G)	TOTAL MERCURY (MG) (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)	SUS- PENDE SELE- NIUM MENT (MG/L)	SUS- PENDE SEDIM ENT DIS- CHARGE (T/DAY)
OCT. 23...	4	2	0	0	.0	.0	0	0	8	4.7
NOV. 25...	--	--	--	--	--	--	--	--	64	54
DEC. 17...	--	--	--	--	--	--	--	--	15	20
JAN. 20...	1	0	0	--	.1	--	0	--	29	64
FEB. 12...	--	--	--	--	--	--	--	--	82	79
APR. 03...	2	0	0	--	.0	--	0	--	29	39
MAY 02...	--	--	--	--	--	--	--	--	--	--
JUNE 04...	--	--	--	--	--	--	--	--	14	10

SPECTROGRAPHIC ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	DIS- SOLVED SILICA (STO2) (MG/L)	TOTAL IRON (FE) (UG/L)	TOTAL IRON IN BOTTOM MA- TERIAL (UG/G)	TOTAL MANG- NESE IN BOTTOM MA- TERIAL (UG/G)	TOTAL MANG- NESE IN BOTTOM MA- TERIAL (UG/G)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	TOTAL MAG- NE- SIUM (MG) (MG/L)	SUS- PENDE MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	TOTAL CAD- MIUM (CD) (UG/L)	TOTAL CADMIUM IN BOTTOM MA- TERIAL (UG/G)
OCT. 23...	3.3	600	540	10	130	1.9	.5	.0	.5	0	<10
JAN. 20...	10	990	--	80	--	2.4	--	--	1.3	0	--
APR. 03...	9.9	1100	--	70	--	1.9	--	--	.6	0	--

DATE	TOTAL CHRO- MIUM (CR) (UG/L)	TOTAL CHRO- MIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL COBAL- T (CO) (UG/L)	TOTAL COBAL- T IN BOTTOM MA- TERIAL (UG/G)	TOTAL COPPER (CU) (UG/L)	TOTAL COPPER IN BOTTOM MA- TERIAL (UG/G)	TOTAL LEAD (PB) (UG/L)	TOTAL LEAD IN BOTTOM MA- TERIAL (UG/G)	TOTAL ZINC (ZN) (UG/L)	TOTAL ZINC IN BOTTOM MA- TERIAL (UG/G)
OCT. 23...	0	<10	0	<10	16	<10	6	<10	4	<10
JAN. 20...	<10	--	0	--	33	--	4	--	10	--
APR. 03...	<10	--	0	--	1	--	1	--	0	--

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TOTAL ALDRIN (UG/L)	TOTAL ALDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL CHLOR- DANE (UG/L)	TOTAL CHLOR- DANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDO (UG/L)	TOTAL DDO IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDE (UG/L)	TOTAL DDE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDT (UG/L)	TOTAL DDT IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DI- AZINON (UG/L)
OCT. 23...	.00	.0	.0	0	.00	.4	.00	.4	.00	.3	.01
JAN. 20...	.00	--	.0	--	.00	--	.00	--	.00	--	.02
APR. 03...	.00	--	.0	--	.00	--	.00	--	.00	--	.00

DATE	DI- AZINON IN BOTTOM MA- TERIAL (UG/KG)	DI- FLORIN IN BOTTOM MA- TERIAL (UG/L)	DI- FLORIN 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)	HEPTA- CHLOR EPOXIDE IN BOTTOM MA- TERIAL (UG/L)	HEPTA- CHLOR EPOXIDE IN BOTTOM MA- TERIAL (UG/KG)
OCT. 23...	1.0	.00	<.1	.00	.0	.00	.0	.00	.0	.00	.0
JAN. 20...	--	.00	--	.00	--	.00	--	.00	--	.00	--
APR. 03...	--	.00	--	.00	--	.00	--	.00	--	.00	--

02472500 - HOWIE CREEK NEAR HATTIESBURG, MISS--CONTINUED

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

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 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)
OCT. 23...	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0	.0
JAN. 20...	.00	--	.00	--	.00	--	.00	--	.00	--	.0
APR. 03...	.00	--	.00	--	.00	--	.00	--	.00	--	.0
DATE	PCR 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)
OCT. 23...	0	0	0	.00	.0	.00	0	.00	0	.00	0
JAN. 20...	--	0	--	.00	--	.00	--	.00	--	.07	--
APR. 03...	--	0	--	.00	--	.00	--	.00	--	.00	--

RADIOCHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

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)
OCT. 23...	<.4	2.3	1.8	1.2	1.5	1.0

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

02472450 - OKATOMA C. AT SANFORD, MISS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTANTANEOUS NITROGEN CHARGE (CFS)	NITROGEN CHARGE (MG/L)	CAR- BONATE (C03) (MG/L)	ALKALINITY AS CAC03 (MG/L)	DIS- SOLVED SULFATE (S04) (MG/L)	DIS- SOLVED CHLORIDE (CL) (MG/L)	TOTAL NITRATE PLUS NITRATE (N) (MG/L)	AMMONIA GEN (N) (MG/L)	TOTAL ORGANIC GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)
OCT. 23...	0930	150	10	0	9	.8	4.6	.35	.02	.25	.27
JAN. 20...	1400	730	8	--	7	2.9	4.2	.22	.11	.64	.75
MAY. 31...	1200	780	9	0	7	2.2	3.8	.23	.07	.38	.45

DATE	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N03) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOLVED SOLIDS (RESI- DUE AT 100 C) (MG/L)	TOTAL FILT- RABLE RESIDUE (MG/L)	DIS- SOLVED SOLIDS (TONS PER AC-FT)	DIS- SOLVED SOLIDS (TONS PER DAY)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	HARD- NESS (CA+MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)
OCT. 23...	.62	2.7	.06	38	32	.05	19.5	10	9	1
JAN. 20...	.47	4.3	.06	15	--	.02	31.5	--	11	5
MAY. 31...	.69	3.0	.07	32	--	.04	67.4	--	10	2

DATE	COB- CIFTG CON- DUCT- ANCE (MICRO- MOS)	PH	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COHULT UNITS)	TUR- BID- ITY (JTU)	DIS- SOLVED OXYGEN (MG/L)	CHEM- ICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L)	CARBON DIOXIDE (C02) (MG/L)	FECAL COLI- FORM (COL. PER 100 ML)	STREP- TOCOCCI (COL- ONIES PER 100 ML)	TOTAL ORGANIC CARBON (C) (MG/L)
OCT. 23...	38	5.2	14.0	30	6	10.6	8	101	--	--	2.6
JAN. 20...	40	5.7	11.0	70	20	10.1	32	26	B1600	670	9.7
MAY. 31...	25	6.0	13.0	65	15	9.9	18	14	B1050	466	8.2

DATE	PHENOLS (UG/L)	OTL AND GREASE (MG/L)	TOTAL ARSENIC (AS) (UG/L)	TOTAL ARSENIC 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)	SUS- PENDED SEDIM- ENT (MG/L)	SUS- PENDED SEDIM- ENT DIS- CHARGE (T/DAY)
OCT. 23...	3	1	1	1	.0	.0	0	0	--	--
JAN. 20...	1	0	0	--	.2	--	0	--	26	51
MAY. 31...	2	0	1	--	.0	--	0	--	36	76

SPECTROGRAPHIC ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	DIS- SOLVED SILICA (SIO2) (MG/L)	TOTAL IRON (FE) (UG/L)	TOTAL IRON IN BOTTOM MA- TERIAL (UG/G)	TOTAL MANGA- NESE IN BOTTOM MA- TERIAL (UG/G)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	TOTAL MAG- NE- SIUM (MG) (MG/L)	SUS- PENDED MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	TOTAL CAD- MIUM (CD) (UG/L)	TOTAL CADMIUM IN BOTTOM MA- TERIAL (UG/G)
OCT. 23...	10	69	270	22	2.2	.8	.0	.8	0	<10
JAN. 20...	8.8	1200	--	86	--	2.4	--	1.3	0	--
MAY. 31...	0.4	1400	--	100	--	2.2	--	1.0	1	--

DATE	TOTAL COPPER IN BOTTOM MA- TERIAL (UG/L)	TOTAL COPPER IN BOTTOM MA- TERIAL (UG/G)	TOTAL COPPER IN BOTTOM MA- TERIAL (UG/G)	TOTAL LEAD (PB) (UG/L)	TOTAL LEAD IN BOTTOM MA- TERIAL (UG/G)	TOTAL ZINC (ZN) (UG/L)	TOTAL ZINC IN BOTTOM MA- TERIAL (UG/G)
OCT. 23...	0	<10	3	<10	10	<10	4
JAN. 20...	<10	--	0	--	31	--	20
MAY. 31...	20	--	8	--	2	--	20

02472850 - OKATOMA C. AT SANFORD, MISS.--CONTINUED

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TOTAL ALDRIN IN BOTTOM MA-TERIAL (UG/L)	TOTAL ALDRIN IN BOTTOM MA-TERIAL (UG/KG)	TOTAL CHLOR-DANE IN BOTTOM MA-TERIAL (UG/L)	TOTAL CHLOR-DANE IN BOTTOM MA-TERIAL (UG/KG)	TOTAL DDD IN BOTTOM MA-TERIAL (UG/L)	TOTAL DDD IN BOTTOM MA-TERIAL (UG/KG)	TOTAL DDE IN BOTTOM MA-TERIAL (UG/L)	TOTAL DDE IN BOTTOM MA-TERIAL (UG/KG)	TOTAL DDT IN BOTTOM MA-TERIAL (UG/L)	TOTAL DDT IN BOTTOM MA-TERIAL (UG/KG)	TOTAL DIB- AZINON (UG/L)
OCT. 23...	.00	.0	.0	0	.00	.0	.00	.0	.00	.0	.00
JAN. 20...	.00	--	.0	--	.00	--	.00	--	.00	--	.01
MAR. 31...	.00	--	.0	--	.00	--	.00	--	.00	--	.00

DATE	TOTAL DIB- AZINON IN BOTTOM MA-TERIAL (UG/KG)	TOTAL DIB- AZINON IN BOTTOM MA-TERIAL (UG/L)	TOTAL DIB- FLORIN IN BOTTOM MA-TERIAL (UG/KG)	TOTAL DIB- FLORIN IN BOTTOM MA-TERIAL (UG/L)	TOTAL ENDRIN IN BOTTOM MA-TERIAL (UG/KG)	TOTAL ENDRIN IN BOTTOM MA-TERIAL (UG/L)	TOTAL ETHION IN BOTTOM MA-TERIAL (UG/KG)	TOTAL ETHION IN BOTTOM MA-TERIAL (UG/L)	TOTAL HEPTA- CHLOR IN BOTTOM MA-TERIAL (UG/KG)	TOTAL HEPTA- CHLOR IN BOTTOM MA-TERIAL (UG/L)	TOTAL HEPTA- CHLOR EPOXIDE IN BOTTOM MA-TERIAL (UG/KG)
OCT. 23...	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0
JAN. 20...	--	.00	--	.00	--	.00	--	.00	--	.00	--
MAR. 31...	--	.00	--	.00	--	.00	--	.00	--	.00	--

DATE	TOTAL LINDANE IN BOTTOM MA-TERIAL (UG/L)	TOTAL LINDANE IN BOTTOM MA-TERIAL (UG/KG)	TOTAL MALA- THION IN BOTTOM MA-TERIAL (UG/L)	TOTAL MALA- THION 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 (UG/L)
OCT. 23...	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0	.0
JAN. 20...	.00	--	.00	--	.00	--	.00	--	.00	--	.0
MAR. 31...	.00	--	.00	--	.00	--	.00	--	.00	--	.0

DATE	TOTAL PCB IN BOTTOM MA-TERIAL (UG/KG)	TOTAL PCB IN BOTTOM MA-TERIAL (UG/L)	TOTAL TOX- APHENE IN BOTTOM MA-TERIAL (UG/KG)	TOTAL TOX- APHENE IN BOTTOM MA-TERIAL (UG/L)	TOTAL TRI- THION IN BOTTOM MA-TERIAL (UG/KG)	TOTAL TRI- THION IN BOTTOM MA-TERIAL (UG/L)	TOTAL 2,4-D IN BOTTOM MA-TERIAL (UG/KG)	TOTAL 2,4-D IN BOTTOM MA-TERIAL (UG/L)	TOTAL 2,4,5-T IN BOTTOM MA-TERIAL (UG/KG)	TOTAL 2,4,5-T IN BOTTOM MA-TERIAL (UG/L)	TOTAL SILVEX IN BOTTOM MA-TERIAL (UG/KG)
OCT. 23...	0	0	0	.00	.0	.00	0	.02	0	.00	0
JAN. 20...	--	0	--	.00	--	.00	--	.00	--	.00	--
MAR. 31...	--	0	--	.00	--	.00	--	.00	--	.00	--

RADIOCHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	DIB- SOLVED GROSS ALPHA AS U-NAT. (UG/L)	SUS- PENDED GROSS ALPHA AS U-NAT. (UG/L)	DIB- SOLVED GROSS BETA AS CS-137 (PC/L)	SUS- PENDED GROSS BETA AS CS-137 (PC/L)	DIB- SOLVED GROSS BETA AS Y-90 (PC/L)	SUS- PENDED GROSS BETA AS Y-90 (PC/L)
OCT. 23...	<.4	.6	1.8	<.5	1.5	<.5

02473490 - TALLAHALA CREEK NR SANDERSVILLE, MS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTANTANEOUS DIS- CHARGE (CFS)	BICARB- ONATE (MG/L)	CAR- BONATE (MG/L)	ALKA- LINIT- AS (MG/L)	DIS- SOLVED SULFATE (MG/L)	DIS- SOLVED CHLO- RIDE (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)
OCT.											
23...	1530	10	22	0	18	3.5	77	.04	.00	.15	.15
NOV.											
25...	1645	116	--	--	--	--	--	.05	.02	.33	.40
DEC.											
11...	1100	1400	--	--	--	--	--	.01	.03	.61	.64
JAN.											
21...	1030	560	15	--	12	6.1	23	.09	.08	.26	.34
FEB.											
20...	1500	1850	--	--	--	--	--	.01	.04	.45	.49
MAR.											
11...	1200	180	--	--	--	--	--	.08	.02	.37	.39
APR.											
02...	1400	600	20	0	16	4.7	21	.05	.04	.66	.70
MAY											
09...	0800	1100	--	--	--	--	--	.08	.11	.46	.57
JUNE											
03...	1730	100	--	--	--	--	--	.15	.02	.32	.34
17...	0605	142	--	--	--	--	--	--	--	--	--
17...	0905	148	--	--	--	--	--	--	--	--	--
17...	1200	143	--	--	--	--	--	--	--	--	--
17...	1500	141	--	--	--	--	--	--	--	--	--
17...	1800	139	--	--	--	--	--	.16	.13	.24	.37
17...	2100	136	--	--	--	--	--	--	--	--	--
17...	2345	134	--	--	--	--	--	--	--	--	--
18...	0240	132	--	--	--	--	--	--	--	--	--
18	0520	129	--	--	--	--	--	.15	.08	.69	.77

DATE	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N03) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL ORTHOC- PHOS- PHORUS (P) (MG/L)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L)	TOTAL FILT- RABLE RESIDUE (MG/L)	DIS- SOLVED SOLIDS (TONS PER AC-FT)	DIS- SOLVED SOLIDS (TONS PER DAY)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	HARD- NESS (CA, MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)
OCT.											
23...	.19	.84	.04	--	211	140	.29	5.70	47	45	27
NOV.											
25...	.45	2.0	.04	--	103	--	.14	32.3	--	--	--
DEC.											
11...	.65	2.9	.07	--	67	--	.09	253	--	--	--
JAN.											
21...	.43	1.9	.05	--	61	--	.08	92.2	--	30	18
FEB.											
20...	.50	2.2	.04	--	53	--	.07	265	--	--	--
MAR.											
11...	.47	2.1	.02	--	133	--	.18	64.6	--	--	--
APR.											
02...	.75	3.3	.04	--	82	--	.11	133	--	27	11
MAY											
09...	.65	2.9	.04	--	60	--	.08	178	--	--	--
JUNE											
03...	.49	2.2	.03	--	130	--	.18	35.1	--	--	--
17...	--	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--	--
17...	.53	2.3	.05	.01	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--	--
18...	.92	4.1	.04	.01	--	--	--	--	--	--	--

DATE	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	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)	CARBON DIOXIDE (CO2) (MG/L)	FECAL- COLI- FORM (COL. PER 100 ML)	STREP- TOCOCCI ICOL. ONIES PER 100 ML)
OCT.											
21...	250	6.4	15.5	30	10	10.8	12	--	14	--	--
NOV.											
25...	150	6.1	12.0	--	20	8.9	24	--	--	--	--
DEC.											
11...	63	5.4	7.5	--	30	10.0	32	--	--	--	--
JAN.											
21...	125	6.2	9.5	70	40	10.2	20	--	15	8930	290
FEB.											
20...	50	5.8	13.0	--	40	10.1	31	--	--	290	215
MAR.											
11...	220	6.7	14.0	--	20	8.3	16	--	--	4160	853
APR.											
02...	50	5.9	15.0	110	11	8.9	23	--	40	440	254
MAY											
09...	60	6.3	21.0	--	20	7.4	24	--	--	362	480
JUNE											
03...	165	6.4	23.0	--	20	7.5	25	--	--	420	290
17...	160	6.4	23.0	--	--	7.1	--	--	--	--	--
17...	150	6.3	24.0	--	--	6.2	--	--	--	--	--
17...	160	6.4	24.0	--	--	6.4	--	--	--	--	--
17...	150	6.4	24.0	--	--	6.7	--	--	--	--	--
17...	160	6.5	24.5	60	--	6.7	--	1.5	--	420	560
17...	130	6.2	24.5	--	--	6.5	--	--	--	--	--
17...	130	6.3	24.5	--	--	6.5	--	--	--	--	--
17...	140	6.4	24.2	--	--	6.5	--	--	--	--	--
18...	150	6.6	24.0	65	--	6.1	--	5.5	--	--	--

02473490 - TALLAHALA CREEK NE SANDERSVILLE, MS.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TOTAL ORGANIC CARBON (C) (MG/L)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	TOTAL ARSENIC (AS) (UG/L)	TOTAL ARSENIC 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)	SUS- PENDE SEDIM- ENT (MG/L)	SUS- PENDE SEDIM- ENT DIS- CHARGE (T/DAY)
OCT. 23...	6.7	4	0	1	3	.1	.1	0	0	5	.13
NOV. 25...	19	--	--	--	--	--	--	--	--	51	16
DEC. 11...	13	--	--	--	--	--	--	--	--	56	212
JAN. 21...	11	2	0	1	--	.3	--	0	--	48	73
FEB. 20...	11	--	--	--	--	--	--	--	--	108	539
MAR. 11...	3.2	--	--	--	--	--	--	--	--	39	19
APR. 02...	11	10	0	1	--	.0	--	0	--	120	194
MAY 09...	12	--	--	--	--	--	--	--	--	--	--
JUNE 03...	11	--	--	--	--	--	--	--	--	39	11
17...	--	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--
19...	--	--	--	--	--	--	--	--	--	--	--

SPECTROGRAPHIC ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	DIS- SOLVED SILICA (SiO2) (MG/L)	TOTAL IRON (FE) (UG/L)	TOTAL IRON IN BOTTOM MA- TERIAL (UG/G)	TOTAL MANG- NESE (MN) (UG/L)	TOTAL MANGA- NESE IN BOTTOM MA- TERIAL (UG/G)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	TOTAL MAG- NE- SIUM (MG) (UG/L)	SUS- PENDE MAG- NE- SIUM (MG) (UG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (UG/L)	TOTAL CAD- MIUM (CD) (UG/L)	TOTAL CADMIUM IN BOTTOM MA- TERIAL (UG/G)
OCT. 23...	9.3	890	5900	57	220	14	2.4	.0	2.5	0	<10
JAN. 21...	9.2	1800	--	120	--	9.5	--	--	1.6	0	--
APR. 02...	7.2	1900	--	140	--	9.1	--	--	1.1	0	--

DATE	TOTAL CHRO- MIUM (CP) (UG/L)	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 LEAD (PB) (UG/L)	TOTAL LEAD IN BOTTOM MA- TERIAL (UG/G)	TOTAL ZINC (ZN) (UG/L)	TOTAL ZINC IN BOTTOM MA- TERIAL (UG/G)
OCT. 23...	0	<10	5	<10	15	<10	8	<10	4	<10
JAN. 21...	<10	--	0	--	52	--	5	--	30	--
APR. 02...	<10	--	1	--	1	--	2	--	8	--

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

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)
OCT. 23...	.00	.0	.0	0	.00	.0	.00	.0	.00	.0	<.01
JAN. 21...	.00	--	.0	--	.00	--	.00	--	.00	--	.00
APR. 02...	.00	--	.0	--	.00	--	.00	--	.00	--	.00

02473490 - TALLAHALA CREEK NR SANDERSVILLE, MS.--CONTINUED

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	DI- AZINON IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DI- FLOPIN (UG/L)	DI- FLOPIN 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)
OCT. 23...	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0
JAN. 21...	--	.00	--	.00	--	.00	--	.00	--	.00	--
APR. 02...	--	.00	--	.00	--	.00	--	.00	--	.00	--

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 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)
OCT. 23...	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0	.0
JAN. 21...	.00	--	.00	--	.00	--	.00	--	.00	--	.0
APR. 02...	.00	--	.00	--	.00	--	.00	--	.00	--	.0

DATE	PCR 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)
OCT. 23...	0	0	0	.00	.0	.00	0	.00	0	.00	0
JAN. 21...	--	0	--	.00	--	.00	--	.00	--	.00	--
APR. 02...	--	0	--	.00	--	.00	--	.00	--	.00	--

RADIOCHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

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)
OCT. 23...	<1.9	2.0	4.0	1.0	3.2	1.2

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

325

02474500 - TALLAHALA CREEK NR RUNNELSTOWN, MS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTANTANEOUS DIS- CHARGE (CFS)	BICARBONATE (HCO ₃) (MG/L)	CARBONATE (CO ₃) (MG/L)	ALKALINITY AS CaCO ₃ (MG/L)	DIS- SOLVED SULFATE (SO ₄) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	TOTAL NITRITIC PLUS NITRATE (N) (MG/L)	AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)
OCT.											
22...	1600	164	32	0	26	7.2	21	.43	.02	.53	.55
NOV.											
25...	1515	720	--	--	--	--	--	.17	.12	.52	.64
DEC.											
17...	0930	1250	--	--	--	--	--	.16	.11	.63	.74
JAN.											
23...	1630	1410	18	--	15	6.0	16	.12	.06	.50	.56
FEB.											
20...	1100	2760	--	--	--	--	--	.01	.08	.65	.73
APR.											
01...	1230	1540	19	0	16	5.2	12	.14	.07	.53	.60
MAY											
08...	1500	3630	--	--	--	--	--	.17	.26	.74	1.0
JUNE											
03...	0900	714	--	--	--	--	--	.27	.11	.69	.80
17...	0745	766	--	--	--	--	--	--	--	--	--
17...	1040	734	--	--	--	--	--	--	--	--	--
17...	1615	694	--	--	--	--	--	--	--	--	--
17...	2100	635	--	--	--	--	--	.31	.12	1.2	1.3
18...	0225	621	--	--	--	--	--	--	--	--	--
18...	0730	585	--	--	--	--	--	.35	.07	.62	.69

DATE	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO ₃) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL ORTHOC- PHOS- PHORUS (P) (MG/L)	DIS- SOLVED SOLIDS (RESI- DUE AT 140 C) (MG/L)	TOTAL FILT- RABLE RESIDUE (MG/L)	DIS- SOLVED SOLIDS (TONS PER AC-FT)	DIS- SOLVED SOLIDS (TONS PER DAY)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	HARD- NESS (CA+MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)
OCT.											
22...	.98	4.3	.26	--	99	95	.13	43.8	8	37	10
NOV.											
25...	.81	3.6	.14	--	71	--	.10	138	--	--	--
DEC.											
17...	.90	4.0	.14	--	65	--	.09	219	--	--	--
JAN.											
23...	.68	3.0	.07	--	44	--	.06	169	--	27	12
FEB.											
20...	.74	3.3	.08	--	32	--	.04	238	--	--	--
APR.											
01...	.74	3.3	.09	--	74	--	.10	308	--	22	6
MAY											
08...	1.2	5.2	.07	--	42	--	.06	412	--	--	--
JUNE											
03...	1.1	4.7	.09	--	89	--	.12	172	--	--	--
17...	--	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--	--
17...	1.6	7.1	.15	.05	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--
18...	1.0	4.6	.16	.11	--	--	--	--	--	--	--

DATE	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	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)	CARBON DIOXIDE (CO ₂) (MG/L)	FECAL COLI- FORM (COL. PER 100 ML)	STREP- TOCOCCI (COL- ONIES PER 100 ML)
OCT.											
22...	13	6.5	17.0	100	7	8.5	31	--	16	812	843
NOV.											
25...	98	5.8	13.0	--	20	9.3	22	--	--	--	--
DEC.											
17...	77	5.7	9.0	--	20	10.0	16	--	--	1620	915
JAN.											
23...	92	6.2	10.0	50	20	9.8	22	--	18	235	825
FEB.											
20...	30	5.8	15.0	--	40	9.6	33	--	--	4420	815800
APR.											
01...	63	6.5	15.0	100	30	8.7	22	--	9.6	730	290
MAY											
08...	30	6.6	20.0	--	40	7.9	24	--	--	230	3800
JUNE											
03...	95	6.2	23.0	--	15	6.9	19	--	--	887	1500
17...	81	5.9	24.0	--	--	6.6	--	--	--	--	--
17...	84	6.2	24.7	--	--	6.5	--	--	--	--	--
17...	86	5.4	25.9	--	--	6.8	--	--	--	--	--
17...	96	6.1	26.0	120	--	6.7	--	3.9	--	4120	960
18...	90	5.9	22.4	--	--	6.2	--	--	--	--	--
18...	91	5.9	25.0	110	--	6.0	--	1.7	--	--	--

02474500 - TALLAHALA CREEK NR RUMELSTOWN, MS.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TOTAL ORGANIC CARBON (C) (MG/L)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	TOTAL ARSENIC (AS) (UG/L)	TOTAL ARSENIC 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)	SUS- PENDE SEDI- MENT (MG/L)	SUS- PENDE SEDI- MENT DIS- CHARGE (T/DAY)
OCT. 22...	12	0	14	1	0	.0	.1	0	0	24	11
NOV. 25...	11	--	--	--	--	--	--	--	--	30	58
DEC. 17...	9.8	--	--	--	--	--	--	--	--	49	165
JAN. 23...	8.4	2	0	1	--	.0	--	0	--	57	217
FEB. 20...	14	--	--	--	--	--	--	--	--	93	693
APR. 01...	14	4	3	2	--	.0	--	0	--	104	432
MAY 08...	16	--	--	--	--	--	--	--	--	--	--
JUNE 03...	9.8	--	--	--	--	--	--	--	--	36	69
17...	--	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--

SPECTROGRAPHIC ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

	DIS- SOLVED SILICA (SiO2)	TOTAL IRON (FE)	TOTAL IRON IN BOTTOM MA- TERIAL	TOTAL MANGA- NESE IN BOTTOM MA- TERIAL	DIS- SOLVED CAL- CIUM (CA)	TOTAL MAG- NE- SIUM (MG)	SUS- PENDE MAG- NE- SIUM (MG)	DIS- SOLVED MAG- NE- SIUM (MG)	TOTAL CAD- MIUM (CD)	TOTAL CADMIUM IN BOTTOM MA- TERIAL	
DATE	(MG/L)	(UG/L)	(UG/G)	(UG/L)	(UG/G)	(MG/L)	(MG/L)	(MG/L)	(UG/L)	(UG/G)	
OCT. 22...	11	970	160	35	<10	12	1.4	.0	1.6	0	<10
JAN. 23...	9.6	1500	--	90	--	8.6	--	--	1.3	0	--
APR. 01...	7.7	2000	--	120	--	6.6	--	--	1.3	0	--

DATE	TOTAL CHRO- MIUM (CR) (UG/L)	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 LEAD (PB) (UG/L)	TOTAL LEAD IN BOTTOM MA- TERIAL (UG/G)	TOTAL ZINC (ZN) (UG/L)	TOTAL ZINC IN BOTTOM MA- TERIAL (UG/G)
OCT. 22...	0	<10	2	<10	11	<10	0	<10	70	10
JAN. 23...	10	--	0	--	12	--	10	--	0	--
APR. 01...	<10	--	5	--	2	--	4	--	30	--

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

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 DT- AZINON (UG/L)
OCT. 22...	.00	.0	.0	0	.00	.0	.00	.0	.00	.0	.01
JAN. 23...	.00	--	.0	--	.00	--	.00	--	.00	--	.00
APR. 01...	.00	--	.0	--	.00	--	.00	--	.00	--	.00

02474500 - TALLAHALA CREEK NE RUMMELSTOWN, MS.--CONTINUED

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

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)
OCT. 22...	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0
JAN. 23...	--	.00	--	.00	--	.00	--	.00	--	.00	--
APR. 01...	--	.00	--	.00	--	.00	--	.00	--	.00	--

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 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)
OCT. 22...	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0	.0
JAN. 23...	.00	--	.00	--	.00	--	.00	--	.00	--	.0
APR. 01...	.00	--	.00	--	.00	--	.00	--	.00	--	.0

DATE	PCR 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)
OCT. 22...	0	0	0	.00	.0	.00	0	.00	0	.00	0
JAN. 23...	--	0	--	.00	--	.00	--	.00	--	.00	--
APR. 01...	--	0	--	.00	--	.00	--	.44	--	.00	--

RADIOCHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

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)
OCT. 22...	<1.2	<.4	5.1	<.6	4.0	<.5

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

02475000 - LEAF RIVER NEAR MCLAIN, MISS

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTANTANEOUS DIS- CHARGE (CFS)	BICARBONATE (HCO ₃) (MG/L)	CARBONATE (CO ₃) (MG/L)	ALKALINITY AS CaCO ₃ (MG/L)	DIS- SOLVED SULFATE (SO ₄) (MG/L)	DIS- SOLVED CHLORIDE (CL) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJEL- DAHL NITROGEN (N) (MG/L)
OCT. 22...	1300	1730	12	0	10	6.6	13	.26	.03	.40	.43
NOV. 26...	1245	4300	--	--	--	--	--	.15	.14	.54	.69
DEC. 16...	1445	6800	--	--	--	--	--	.12	.07	.41	.48
JAN. 21...	1545	9430	10	--	8	4.9	8.5	.17	.12	.60	.72
FEB. 19...	1330	22400	--	--	--	--	--	.08	.08	.67	.75
MAR. 12...	1230	5760	--	--	--	--	--	.19	.07	.48	.55
APR. 03...	1230	6940	16	0	13	4.7	8.2	.17	.07	.50	.57
MAY 09...	1240	33200	--	--	--	--	--	.16	.17	.70	.87
JUNE 03...	1030	4390	--	--	--	--	--	.25	.01	.58	.59

DATE	TOTAL NITROGEN (N) (MG/L)	TOTAL NITROGEN (NO ₃) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	DIS- SOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	TOTAL FILT- RAHLE RESIDUE (MG/L)	DIS- SOLVED SOLIDS (TONS PER AC-FT)	DIS- SOLVED SOLIDS (TONS PER DAY)	TOTAL NON- FILT- RAHLE RESIDUE (MG/L)	HARD- NESS (CA+MG) (MG/L)	NON- CARBONATE HARD- NESS (MG/L)
OCT. 22...	.69	3.1	.12	72	63	.10	336	14	15	5
NOV. 26...	.83	3.7	.10	68	--	.09	789	--	--	--
DEC. 16...	.60	2.7	.07	72	--	.10	1320	--	--	--
JAN. 21...	.89	3.9	.07	31	--	.04	789	--	21	13
FEB. 19...	.83	3.7	.10	30	--	.04	1810	--	--	--
MAR. 12...	.74	3.3	.09	50	--	.07	778	--	--	--
APR. 03...	.74	3.3	.08	52	--	.07	974	--	12	0
MAY 09...	1.0	4.6	.04	36	--	.05	3230	--	--	--
JUNE 03...	.84	3.7	.08	63	--	.09	747	--	--	--

DATE	SPECIFIC CONDUCTANCE (MICRO-MHOS)	PH (UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COAL UNIT)	TURBIDITY (JTU)	DIS- SOLVED OXYGEN (MG/L)	CHEMICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L)	CARBON DIOXIDE (CO ₂) (MG/L)	FFCAL COLIFORM (COL. PER 100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)	UNCORRECTED PERI- PHYTON CHLOROPHYLL A MG/SQ M	UNCORRECTED PERI- PHYTON CHLOROPHYLL B MG/SQ M
OCT. 22...	84	6.0	17.0	50	20	8.5	19	14	815	79	--	--
NOV. 26...	72	6.0	13.0	--	30	8.5	26	--	--	--	--	--
DEC. 16...	63	5.4	10.5	--	20	9.8	14	--	1780	8130	--	--
JAN. 21...	62	5.9	10.2	60	20	9.1	24	20	190	890	--	--
FEB. 19...	25	5.6	17.5	--	60	9.4	33	--	2260	665	--	--
MAR. 12...	65	6.0	18.0	--	20	8.0	14	--	810000	440	--	--
APR. 03...	40	6.1	15.5	90	15	9.3	21	20	354	880	.1	.1
MAY 09...	35	5.5	22.0	--	35	7.4	24	--	81	261	--	--
JUNE 03...	55	5.7	25.0	--	15	7.7	16	--	834	380	--	--

02475000 - JEFF RIVER NEAR MCCLAIN, MISS--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TOTAL ORGANIC CARBON (C) (MG/L)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	TOTAL ARSENIC (AS) (UG/L)	TOTAL ARSENIC 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)	SUS- PENDE SEDI- MENT (MG/L)	SUS- PENDE SEDI- MENT DIS- CHARGE (T/DAY)
OCT. 22...	11	5	2	1	2	.0	.0	0	0	16	75
NOV. 26...	11	--	--	--	--	--	--	--	--	12	139
DEC. 14...	10	--	--	--	--	--	--	--	--	58	1070
JAN. 21...	9.3	2	0	1	--	.1	--	0	--	60	1530
FEB. 19...	11	--	--	--	--	--	--	--	--	173	10500
MAR. 12...	6.0	--	--	--	--	--	--	--	--	222	3450
APR. 03...	11	3	0	1	--	.1	--	0	--	--	--
MAY 09...	14	--	--	--	--	--	--	--	--	--	--
JUNE 03...	7.7	--	--	--	--	--	--	--	--	44	522

SPECTROGRAPHIC ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	DIS- SOLVED SILICA (SI02) (MG/L)	TOTAL IRON (FE) (UG/L)	TOTAL IRON IN BOTTOM MA- TERIAL (UG/G)	TOTAL MANG- NESE (MN) (UG/L)	TOTAL MANGA- NESE IN BOTTOM MA- TERIAL (UG/G)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	TOTAL MAG- NE- SIUM (MG) (MG/L)	SUS- PENDE MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	TOTAL CAD- MIUM (CD) (UG/L)	TOTAL CADMIUM IN BOTTOM MA- TERIAL (UG/G)
OCT. 22...	11	1100	1600	110	170	4.4	.9	.0	1.0	0	<10
JAN. 21...	10	1200	--	77	--	6.8	--	--	1.0	0	--
APR. 03...	8.4	1900	--	110	--	3.7	--	--	.7	0	--

DATE	TOTAL CHRO- MIUM (CR) (UG/L)	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 LEAD (PB) (UG/L)	TOTAL LEAD IN BOTTOM MA- TERIAL (UG/G)	TOTAL ZINC (ZN) (UG/L)	TOTAL ZINC IN BOTTOM MA- TERIAL (UG/G)
OCT. 22...	0	<10	2	<10	3	<10	0	<10	80	<10
JAN. 21...	30	--	0	--	47	--	9	--	4	--
APR. 03...	<10	--	2	--	2	--	1	--	20	--

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

02475000 - LEAF RIVER NEAR MCCLAIN, MISS--CONTINUED

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

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 DIT- AZINON (UG/L)
OCT. 22...	.00	.0	.0	1	.00	1.4	.00	.9	.00	.0	.00
JAN. 21...	.00	--	.0	--	.00	--	.00	--	.00	--	.00
APR. 03...	.00	--	.0	--	.00	--	.00	--	.00	--	.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)
OCT. 22...	.0	.00	.2	.00	.0	.00	.0	.00	.0	.00	.0
JAN. 21...	--	.00	--	.00	--	.00	--	.00	--	.00	--
APR. 03...	--	.00	--	.00	--	.00	--	.00	--	.00	--

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 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)
OCT. 22...	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0	.0
JAN. 21...	.00	--	.00	--	.00	--	.00	--	.00	--	.0
APR. 03...	.00	--	.00	--	.00	--	.00	--	.00	--	.0

DATE	PCR 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)
OCT. 22...	3	0	0	.00	.0	.00	0	.00	0	.00	0
JAN. 21...	--	0	--	.00	--	.00	--	.00	--	.00	--
APR. 03...	--	0	--	.00	--	.02	--	.08	--	.00	--

RADIOCHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

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)
OCT. 22...	<.8	.6	3.7	.9	2.7	.8

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

[illegible]

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

02476000 - OKATIBREE CREEK NEAR MERIDIAN, MISS--CONTINUED

SPECTROGRAPHIC ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	DIS- SOLVED SILICA (SiO ₂) (MG/L)	TOTAL IRON (FF) (UG/L)	TOTAL IRON IN BOTTOM MA- TERIAL (UG/G)	TOTAL MANGANESE (MN) (UG/L)	TOTAL MANGANESE IN BOTTOM MA- TERIAL (UG/G)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	TOTAL MAG- NE- SIUM (MG) (MG/L)	SUS- PENDED MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	TOTAL CAD- MIUM (CD) (UG/L)	TOTAL CADMIUM IN BOTTOM MA- TERIAL (UG/G)
OCT. 31...	7.7	410	7000	140	4	3.5	1.2	.0	1.4	1	<10
JAN. 16...	7.4	1500	--	170	--	3.5	--	--	.8	0	--
APR. 16...	9.8	2200	--	200	--	2.8	--	--	1.4	0	--

DATE	TOTAL CHROMIUM (CR) (UG/L)	TOTAL CHROMIUM 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 LEAD (PB) (UG/L)	TOTAL LEAD IN BOTTOM MA- TERIAL (UG/G)	TOTAL ZINC (ZN) (UG/L)	TOTAL ZINC IN BOTTOM MA- TERIAL (UG/G)
OCT. 31...	<10	<10	0	<10	1	<10	4	<10	10	20
JAN. 16...	<10	--	1	--	8	--	8	--	0	--
APR. 16...	<10	--	0	--	2	--	0	--	0	--

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TOTAL ALDRIN (UG/L)	TOTAL ALDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL CHLOR- DANE (UG/L)	TOTAL CHLOR- DANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDD (UG/L)	TOTAL DDD IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDE (UG/L)	TOTAL DDE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDT (UG/L)	TOTAL DDT IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DI- AZINON (UG/L)
OCT. 31...	.00	.0	.0	0	.00	.0	.00	.0	.00	.0	.00
JAN. 16...	.00	--	.0	--	.00	--	.00	--	.00	--	<.01
APR. 16...	.00	--	<.0	--	.00	--	.00	--	.00	--	.00

DATE	TOTAL DI- AZINON IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DIELDRIN (UG/L)	TOTAL DIELDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ENDRIN (UG/L)	TOTAL ENDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ETHION (UG/L)	TOTAL ETHION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR (UG/L)	TOTAL HEPTA- CHLOR IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR EPOXIDE IN BOT- TOM MA- TERIAL (UG/KG)
OCT. 31...	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
JAN. 16...	--	.00	--	.00	--	.00	--	.00	--	.00
APR. 16...	--	.00	--	.00	--	.00	--	.00	--	.00

DATE	TOTAL LINDANE (UG/L)	TOTAL LINDANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL MALA- THION (UG/L)	TOTAL MALA- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL METHYL PARA- THION (UG/L)	TOTAL METHYL PARA- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL METHYL TRI- THION (UG/L)	TOTAL METHYL TRI- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL PARA- THION (UG/L)	TOTAL PARA- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL PCB (UG/L)
OCT. 31...	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0	.0
JAN. 16...	.00	--	.00	--	.00	--	.00	--	.00	--	.0
APR. 16...	.00	--	.00	--	.00	--	.00	--	.00	--	.0

02476000 - OKATIBREE CREEK NEAR MERIDIAN, MISS--CONTINUED

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	PCR IN BOTTOM MA- TERIAL	TOTAL TOX- APHENE	TOX- APHENE IN BOTTOM MA- TERIAL	TOTAL TRI- THION	TRI- THION IN BOTTOM MA- TERIAL	TOTAL 2,4-D	2,4-D IN BOTTOM MA- TERIAL	TOTAL 2,4,5-T	2,4,5-T IN BOTTOM MA- TERIAL	TOTAL SILVEX	SILVEX IN BOTTOM MA- TERIAL
	(UG/KG)	(UG/L)	(UG/KG)	(UG/L)	(UG/KG)	(UG/L)	(UG/KG)	(UG/L)	(UG/KG)	(UG/L)	(UG/KG)
OCT. 31...	0	0	0	.00	.0	.00	0	.00	0	.00	0
JAN. 14...	--	0	--	.00	--	.02	--	.00	--	.00	--
APR. 15...	--	0	--	.00	--	.00	--	.00	--	.00	--

RADIOCHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	DIS- SOLVED GROSS ALPHA AS U-NAT.	SUS- PENDED GROSS ALPHA AS U-NAT.	DIS- SOLVED GROSS BETA AS CS-137	SUS- PENDED GROSS BETA AS CS-137	DIS- SOLVED GROSS BETA AS AS SR90 /Y90	SUS- PENDED GROSS BETA AS AS SR90 /Y90
	(UG/L)	(UG/L)	(PC/L)	(PC/L)	(PC/L)	(PC/L)
OCT. 31...	<.5	<.4	3.7	<.5	3.1	<.5

ANALYSIS OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

02476500 - SOWASHEE CR AT MERIDIAN, MISS

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTANTANEOUS DIS- CHARGE (CFS)	BICARBONATE (HCO ₃) (MG/L)	CARBONATE (CO ₃) (MG/L)	ALKALINITY AS CaCO ₃ (MG/L)	DIS- SOLVED SULFATE (SO ₄) (MG/L)	DIS- SOLVED CHLORIDE (CL) (MG/L)	TOTAL NITRATE PLUS NITRATE (N) (MG/L)	AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)
OCT. 30...	1700	3.3	24	0	20	10	17	.34	.09	.41	.50
NOV. 26...	1100	24	--	--	--	--	--	.16	.09	.39	.48
DEC. 10...	1615	54	--	--	--	--	--	.16	.12	.38	.50
JAN. 15...	1700	123	10	--	8	7.9	4.5	.12	.08	.29	.37
FEB. 12...	1115	190	--	--	--	--	--	.12	.08	.67	.75
MAR. 13...	1000	63	--	--	--	--	--	.13	.04	.38	.42
APR. 16...	1230	157	10	0	8	6.8	3.5	.08	.02	.36	.38
MAY 12...	1145	74	--	--	--	--	--	.17	.06	.37	.43
JUNE 13...	1210	113	--	--	--	--	--	.12	.01	.30	.31

DATE	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO ₃) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L)	TOTAL FILT- RABLE RESIDUE (MG/L)	DIS- SOLVED SOLIDS (TONS PER AC-FT)	DIS- SOLVED SOLIDS (TONS PER DAY)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	HARD- NESS (CA+MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)
OCT. 30...	.84	3.7	.20	70	77	.10	.62	5	27	7
NOV. 26...	.64	2.8	.10	52	--	.07	3.37	--	--	--
DEC. 10...	.66	2.9	.09	50	--	.07	7.34	--	--	--
JAN. 15...	.49	2.2	.05	30	--	.04	9.96	--	21	13
FEB. 12...	.87	3.9	.11	31	--	.04	15.9	--	--	--
MAR. 13...	.55	2.4	.07	41	--	.06	6.97	--	--	--
APR. 16...	.46	2.0	.06	45	--	.06	19.1	--	13	5
MAY 12...	.60	2.7	.07	50	--	.07	9.99	--	--	--
JUNE 13...	.43	1.9	.15	54	--	.07	16.5	--	--	--

DATE	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)	CARRON DIOXIDE (CO ₂) (MG/L)
OCT. 30...	124	6.4	19.5	20	6	5.5	20	15
NOV. 26...	83	6.8	8.0	--	20	11.2	12	--
DEC. 10...	66	5.7	6.0	--	20	10.6	14	--
JAN. 15...	65	6.3	8.0	50	30	11.4	20	8.0
FEB. 12...	60	5.9	12.0	--	70	9.7	14	--
MAR. 13...	68	6.2	18.5	--	30	8.6	12	--
APR. 16...	39	7.7	14.8	65	40	9.8	14	.3
MAY 12...	54	6.3	21.0	--	20	8.3	14	--
JUNE 13...	50	6.0	22.7	--	25	7.6	6	--

02476500 - SOWASHEE CR AT MERIDIAN, MISS--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	FECAL COLI- FORM (COL. PER 100 ML)	STREPT- TOCOCCEI (COL- ONIES PER 100 ML)	UNCOR- RECTED PERI- PHYTON CHLORO- PHYLL A MG/SQ M	UNCOR- RECTED PERI- PHYTON CHLORO- PHYLL B MG/SQ M	PERI- PHYTON BIOMASS ASH G/SQ M	PERI- PHYTON BIOMASS TOTAL DRY WEIGHT G/SQ M	TOTAL ORGANIC CARBON (C) (MG/L)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)
OCT. 30...	B32	R28	--	--	--	--	7.6	0	13
NOV. 26...	--	--	.4	.6	1.5	3.1	5.4	--	--
DEC. 10...	--	--	--	--	--	--	5.4	--	--
JAN. 15...	250	R110	--	--	--	--	3.2	1	0
FEB. 12...	30000	31500	--	--	--	--	17	--	--
MAR. 13...	1000	R66	--	--	--	--	3.8	--	--
APR. 16...	B93	R133	--	--	--	--	4.2	0	0
MAY 12...	--	--	--	--	--	--	4.3	--	--
JUNE 13...	R412	460	--	--	--	--	4.6	--	--

DATE	TOTAL ARSENIC (AS) (UG/L)	TOTAL ARSENIC 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)	SUS- PENDE- D SEDI- MENT (MG/L)	SUS- PENDE- D SEDI- MENT CHARGE (T/DAY)
OCT. 30...	1	4	.1	.1	0	0	5	.04
NOV. 26...	--	--	--	--	--	--	30	1.9
DEC. 10...	--	--	--	--	--	--	37	5.4
JAN. 15...	0	--	.0	--	0	--	56	19
FEB. 12...	--	--	--	--	--	--	275	141
MAR. 13...	--	--	--	--	--	--	73	12
APR. 16...	1	--	.2	--	0	--	--	--
MAY 12...	--	--	--	--	--	--	36	7.2
JUNE 13...	--	--	--	--	--	--	83	25

SPECTROGRAPHIC ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	DIS- SOLVED SILICA (SI02) (MG/L)	TOTAL IRON (FE) (UG/L)	TOTAL IRON IN BOTTOM MA- TERIAL (UG/G)	TOTAL MANG- NESE IN BOTTOM MA- TERIAL (UG/G)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	TOTAL MANG- NE- SIUM (MG) (MG/L)	SUS- PENDE- D MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	TOTAL CAD- MIUM (CD) (UG/L)	TOTAL CADMIUM IN BOTTOM MA- TERIAL (UG/G)
OCT. 30...	13	840	25000	76	4	6.2	2.6	.0	2.8	1
JAN. 15...	12	1900	--	160	--	5.9	--	--	1.6	0
APR. 16...	11	2800	--	100	--	2.9	--	--	1.4	0

DATE	TOTAL CHRO- MIUM (CR) (UG/L)	TOTAL CHRO- MIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL COBAL- T (CO) (UG/L)	TOTAL COBAL- T (CO) (UG/G)	TOTAL COPPER (CU) (UG/L)	TOTAL COPPER IN BOTTOM MA- TERIAL (UG/G)	TOTAL LEAD (PB) (UG/L)	TOTAL LEAD IN BOTTOM MA- TERIAL (UG/G)	TOTAL ZINC (ZN) (UG/L)	TOTAL ZINC IN BOTTOM MA- TERIAL (UG/G)
OCT. 30...	<10	<10	1	<10	1	<10	5	40	20	30
JAN. 15...	20	--	1	--	170	--	4	--	3	--
APR. 16...	<10	--	0	--	3	--	12	--	0	--

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

02476500 - SQUASHEE CR AT MERIDIAN, MISS--CONTINUED

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

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)	DDU 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)
OCT. 30...	.00	.0	.0	24	.00	1.4	.00	.0	.00	1.3	<.01
JAN. 15...	.00	--	.0	--	.00	--	.00	--	.00	--	<.01
APR. 16...	.00	--	.0	--	.00	--	.00	--	.00	--	.00

DATE	TOTAL DIT-AZINON (UG/KG)	DT-AZINON IN BOTTOM MA-TERIAL (UG/KG)	TOTAL DIT-FLORIN (UG/L)	DT-FLORIN IN BOTTOM MA-TERIAL (UG/KG)	TOTAL ENDURIN (UG/L)	ENDURIN 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 BOTTOM MA-TERIAL (UG/KG)
OCT. 30...	.0	.00	1.4	.00	.0	.00	.0	.00	.0	.00	.0	.0
JAN. 15...	--	.00	--	.00	--	.00	--	.00	--	.00	--	--
APR. 16...	--	.00	--	.00	--	.00	--	.00	--	.00	--	--

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 METHYL PARA-THION (UG/L)	METHYL PARA-THION IN BOTTOM MA-TERIAL (UG/KG)	TOTAL METHYL TRI-THION (UG/L)	METHYL TRI-THION IN BOTTOM MA-TERIAL (UG/KG)	TOTAL PARA-THION (UG/L)	PARA-THION IN BOTTOM MA-TERIAL (UG/KG)	TOTAL PCB (UG/L)
OCT. 30...	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0	.0
JAN. 15...	.00	--	.00	--	.00	--	.00	--	.00	--	.0
APR. 16...	.00	--	.00	--	.00	--	.00	--	.00	--	.0

DATE	TOTAL PCB IN BOTTOM MA-TERIAL (UG/KG)	TOTAL TOX-APHENE IN BOTTOM MA-TERIAL (UG/L)	TOX-APHENE IN BOTTOM MA-TERIAL (UG/KG)	TOTAL TRI-THION IN BOTTOM MA-TERIAL (UG/L)	TRI-THION IN BOTTOM MA-TERIAL (UG/KG)	TOTAL 2,4-D IN BOTTOM MA-TERIAL (UG/L)	2,4-D IN BOTTOM MA-TERIAL (UG/KG)	TOTAL 2,4,5-T IN BOTTOM MA-TERIAL (UG/L)	2,4,5-T IN BOTTOM MA-TERIAL (UG/KG)	TOTAL SILVEX IN BOTTOM MA-TERIAL (UG/L)	SILVEX IN BOTTOM MA-TERIAL (UG/KG)
OCT. 30...	26	0	0	.00	.0	.00	0	.00	0	.00	0
JAN. 15...	--	0	--	.00	--	.00	--	.00	--	.00	--
APR. 16...	--	0	--	.00	--	.00	--	.00	--	.00	--

RADIOCHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

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 SR90 /Y90 (PC/L)	SUS-PENDED GROSS BETA AS SR90 /Y90 (PC/L)
OCT. 30...	<1.2	<.4	4.6	.6	3.6	.6

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

[illegible]

02476600 - OKATIPPE CREEK AT ARUNDEL, MISS.--CONTINUED

* SPECTROGRAPHIC ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	DIS- SOLVED SILICA (SI02) (MG/L)	TOTAL IRON (FE) (UG/L)	TOTAL IRON IN BOTTOM MA- TERIAL (UG/G)	TOTAL MAN- GANESE (MN) (UG/L)	TOTAL MANGA- NESE IN BOTTOM MA- TERIAL (UG/G)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	TOTAL MAG- NE- SIUM (MG) (MG/L)	SUS- PENDED MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	TOTAL CAD- MIUM (CD) (UG/L)	TOTAL CADMIUM IN BOTTOM MA- TERIAL (UG/G)
OCT. 31...	9.5	880	4300	180	0	3.8	1.7	.0	1.7	0	<10
JAN. 16...	8.5	1500	--	170	--	5.9	--	--	.9	0	--
APR. 16...	11	3200	--	140	--	3.6	--	--	1.6	0	--

DATE	TOTAL CHRO- MIUM (CR) (UG/L)	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 LEAD (PB) (UG/L)	TOTAL LEAD IN BOTTOM MA- TERIAL (UG/G)	TOTAL ZINC (ZN) (UG/L)	TOTAL ZINC IN BOTTOM MA- TERIAL (UG/G)
OCT. 31...	10	<10	1	<10	1	<10	6	<10	10	<10
JAN. 16...	<10	--	1	--	18	--	4	--	0	--
APR. 16...	<10	--	1	--	7	--	14	--	0	--

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

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)
OCT. 31...	.00	.0	.0	3	.00	.1	.00	.0	.00	.0	.06
JAN. 16...	.00	--	.0	--	.00	--	.00	--	.00	--	.01
APR. 16...	.00	--	.0	--	.00	--	.00	--	.00	--	.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)
OCT. 31...	.0	.00	2.1	.00	.0	.00	.0	.00	.0	.00	.0
JAN. 16...	--	.00	--	.00	--	.00	--	.00	--	.00	--
APR. 16...	--	.00	--	.00	--	.00	--	.00	--	.00	--

02476500 - NATIRREE CREEK AT ARUNDEL, MISS.--CONTINUED

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TOTAL LINDANE (UG/L)	INDANE 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)
OCT. 31...	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0	.0
JAN. 15...	.00	--	.00	--	.00	--	.00	--	.00	--	.0
APR. 15...	.00	--	.00	--	.00	--	.00	--	.00	--	.0

DATE	PCB IN BOTTOM MA- TERIAL (UG/KG)	TOTAL TOX- APHENF (UG/L)	TOX- APHENF 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)
OCT. 31...	13	0	0	.00	.0	.00	0	.00	0	.00	0
JAN. 15...	--	0	--	.00	--	.00	--	.00	--	.00	--
APR. 15...	--	0	--	.00	--	.00	--	.00	--	.00	--

RADIOCHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

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 SW90 /Y90 (PC/L)	SUS- PENDED GROSS BETA AS AS SW90 /Y90 (PC/L)
OCT. 31...	<.7	.7	5.0	1.2	3.9	1.1

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

02477000 - CHICKASAWHAY RIVER AT ENTERPRISE, MISS.

WATER QUALITY DATA

DATE	TIME	INSTANTANEOUS DIS- CHARGE (CFS)	BICARB- ONATE (HCO ₃) (MG/L)	CARB- ONATE (CO ₃) (MG/L)	ALKAL- INITY AS CaCO ₃ (MG/L)	DIS- SOLVED AS SULFATE (SO ₄) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	TOTAL NITRIF- PLUS NITRATE (N) (MG/L)	AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)
SEP.. 1974											
11...	1600	1040	--	--	--	--	--	.22	.10	.60	.70
OCT.											
31...	1200	246	27	0	22	15	6.5	.26	.25	.46	.72
NOV.											
26...	1400	1040	--	--	--	--	--	.14	.10	.13	.23
DEC.											
11...	0945	1350	--	--	--	--	--	.09	.14	.45	.59
JAN.. 1975											
16...	1200	4160	10	--	8	6.6	3.4	.09	.05	.37	.43
FEB.											
12...	1300	3000	--	--	--	--	--	.10	.05	.46	.51
MAR.											
13...	1200	1240	--	--	--	--	--	.14	.11	.32	.43
APR.											
16...	1500	14100	10	0	8	6.2	3.3	.05	.02	.48	.50
MAY											
12...	--	307	--	--	--	--	--	.17	.03	.43	.51
JUNE											
13...	1445	2980	--	--	--	--	--	.23	.02	.58	.60

DATE	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO ₃) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L)	TOTAL FILT- RABLE RESIDUE (MG/L)	DIS- SOLVED SOLIDS (TONS PER AC-FT)	DIS- SOLVED SOLIDS (TONS PER DAY)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	HAZAR- DOUS NESS (CH+MG) (MG/L)	NON- CAR- BONATE HAZAR- DOUS NESS (MG/L)
SEP.. 1974										
11...	.92	4.1	.12	74	--	.10	204	--	--	--
OCT.										
31...	.98	4.3	.22	81	71	.11	53.4	6	22	0
NOV.										
26...	.37	1.6	.08	40	--	.05	112	--	--	--
DEC.										
11...	.68	3.0	.10	60	--	.08	219	--	--	--
JAN.. 1975										
16...	.52	2.3	.06	32	--	.04	359	--	35	27
FEB.										
12...	.61	2.7	.08	35	--	.05	244	--	--	--
MAR.										
13...	.57	2.5	.07	46	--	.06	154	--	--	--
APR.										
16...	.56	2.5	.05	49	--	.07	2530	--	18	10
MAY										
12...	.68	3.0	.05	51	--	.07	42.3	--	--	--
JUNE										
13...	.83	3.7	.11	54	--	.08	467	--	--	--

DATE	SPF- CITIC CON- DUCT- ANCE (MICRO- MOS)	PH	TEMPER- ATURE (DEG C)	COLCH (PLAT- INUM- COALT UNITS)	TUR- BID- ITY (JTU)	DIS- SOLVED OXYGEN (MG/L)	CHEM- ICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L)	CARBON DIOXIDE (CO ₂) (MG/L)	FECAL COLI- FORM (COL. PER 100 ML)	STREPT- TOCOCOI (COL- UNITES PER 100 ML)	TOTAL ORGANIC CARBON (C) (MG/L)
SEP.. 1974											
11...	60	6.2	24.4	--	30	1.2	28	--	370	4120	9.1
OCT.											
31...	105	6.5	20.0	30	7	6.6	16	14	824	412	6.2
NOV.											
26...	72	7.0	10.2	--	20	10.9	16	--	--	--	8.0
DEC.											
11...	54	5.7	7.3	--	20	11.3	16	--	--	--	7.2
JAN.. 1975											
16...	54	6.2	4.0	60	40	10.8	20	10	230	470	5.3
FEB.											
12...	53	6.3	11.0	--	40	10.2	46	--	74000	30000	8.9
MAR.											
13...	65	6.3	14.0	--	20	9.1	12	--	1000	4100	5.6
APR.											
16...	39	6.0	15.0	110	40	9.3	14	16	400	410	10
MAY											
12...	55	6.5	21.0	--	25	8.2	14	--	--	--	9.5
JUNE											
13...	50	6.3	24.2	--	35	1.4	16	--	>10000	420	10

02477000 - CHICKASAWHAY RIVER AT ENTERPRISE, MISS.--CONTINUED

WATER QUALITY DATA

DATE	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	TOTAL ARSENIC (UG/L)	TOTAL BOTTOM MA- TERIAL (UG/G)	TOTAL MERCURY (UG/L)	TOTAL BOTTOM MA- TERIAL (UG/G)	TOTAL SELE- NIUM (UG/L)	TOTAL SILICA IN BOTTOM MA- TERIAL (UG/G)	SUS- PENDED SILI- CA MA- TERIAL (MG/L)	SUS- PENDED SILI- CA DIS- CHARGE (T/DAY)
SEP.. 1974										
11...	--	--	--	--	--	--	--	--	58	163
OCT.										
31...	0	1	1	2	.1	.1	0	0	8	5.3
NOV.										
26...	--	--	--	--	--	--	--	--	72	202
DEC.										
11...	--	--	--	--	--	--	--	--	68	248
JAN.. 1975										
14...	1	0	1	--	.0	--	0	--	58	651
FEB.										
12...	--	--	--	--	--	--	--	--	262	2120
MAR.										
13...	--	--	--	--	--	--	--	--	70	234
APR.										
14...	0	0	1	--	.3	--	1	--	84	4330
MAY										
12...	--	--	--	--	--	--	--	--	93	77
JUNE										
17...	--	--	--	--	--	--	--	--	--	--

SPECTROGRAPHIC ANALYSES

DATE	DIS- SOLVED SILICA (MG/L)	TOTAL IRON (UG/L)	TOTAL BOTTOM MA- TERIAL (UG/G)	TOTAL MANGA- NESE IN BOTTOM MA- TERIAL (UG/G)	DIS- SOLVED CAL- CIUM (MG/L)	TOTAL MAG- NE- SIUM (MG/L)	SUS- PENDED MAG- NE- SIUM (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG/L)	TOTAL CADMIUM IN BOTTOM MA- TERIAL (UG/G)
OCT.. 1974									
31...	12	970	23000	45	2	5.8	.5	.0	0
JAN.. 1975									
14...	12	1500	--	120	--	12	--	1.3	0
APR.									
14...	11	2900	--	80	--	5.0	--	1.3	0

DATE	TOTAL CHRO- MUM (UG/L)	TOTAL CHRO- MUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL COBALT (UG/L)	TOTAL COBALT IN BOTTOM MA- TERIAL (UG/G)	TOTAL COPPER (UG/L)	TOTAL COPPER IN BOTTOM MA- TERIAL (UG/G)	TOTAL LEAD (UG/L)	TOTAL LEAD IN BOTTOM MA- TERIAL (UG/G)	TOTAL ZINC (UG/L)	TOTAL ZINC IN BOTTOM MA- TERIAL (UG/G)
OCT.. 1974										
31...	30	<10	1	<10	0	<10	5	10	30	20
JAN.. 1975										
14...	<10	--	0	--	6	--	8	--	3	--
APR.										
14...	<10	--	0	--	4	--	13	--	0	--

PESTICIDE ANALYSES

DATE	TOTAL ALDRIN (UG/L)	TOTAL CHLOR- DANE (UG/L)	TOTAL DDT (UG/L)	TOTAL DDE (UG/L)	TOTAL DDT (UG/L)	TOTAL DI- AZINON (UG/L)	TOTAL DI- FLORIN (UG/L)	TOTAL ENDRIN (UG/L)
OCT.. 1974								
31...	.00	.0	.00	.00	.00	.05	.00	.00
JAN.. 1975								
14...	.00	.0	.00	.00	.00	.02	.00	.00
APR.								
14...	.00	.0	.00	.00	.00	.00	.00	.00

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

02477000 - CHICKASAWHAY RIVER AT ENTERPRISE, MISS.--CONTINUED

PESTICIDE ANALYSES

DATE	TOTAL ETHION (UG/L)	TOTAL HEPTA- CHLOR (UG/L)	TOTAL HEPTA- CHLOR EPOXIDE (UG/L)	TOTAL LINDANE (UG/L)	TOTAL MALA- THION (UG/L)	TOTAL METHYL PARA- THION (UG/L)	TOTAL METHYL TOI- THION (UG/L)	TOTAL PARA- THION (UG/L)	TOTAL PCB (UG/L)
OCT.. 1974									
31...	.00	.00	.00	.00	.00	.00	.00	.00	.0
JAN.. 1975									
16...	.00	.00	.00	.00	.00	.00	.00	.00	.0
APR.									
16...	.00	.00	.00	.00	.00	.00	.00	.00	.0

DATE	TOTAL TOX- APRENE (UG/L)	TOTAL TRI- THION (UG/L)	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)
OCT.. 1974								
31...	0	.00	.05	0	.00	0	.00	0
JAN.. 1975								
16...	0	.00	.00	--	.00	--	.02	--
APR.								
16...	0	.00	.00	--	.00	--	.00	--

RADIOCHEMICAL ANALYSES

DATE	CIS- SOLVED GROSS ALPHA AS U-NAT. (UG/L)	SUS- PENDING GROSS ALPHA AS U-NAT. (UG/L)	CIS- SOLVED GROSS BETA AS CS-137 (PC/L)	SUS- PENDING GROSS BETA AS CS-137 (PC/L)	CIS- SOLVED GROSS BETA AS SR90 /Y90 (PC/L)	SUS- PENDING GROSS BETA AS SR90 /Y90 (PC/L)
OCT.. 1974						
31...	<.7	<.4	4.5	<.5	3.0	<.5

02477500 - CHICKASAWHAY RIVER NEAR WAYNESBORO, MISS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTAN- TANEOUS DIS- CHARGE (CFS)	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)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)
OCT.											
23...	1700	448	36	0	30	6.8	39	.21	.01	.30	.31
NOV.											
26...	0945	5500	--	--	--	--	--	.12	.04	.65	.69
DEC.											
16...	1130	2400	--	--	--	--	--	.10	.07	.43	.50
JAN.											
22...	1145	4450	21	--	17	6.9	15	.13	.07	.74	.81
FEB.											
20...	1330	11600	--	--	--	--	--	.02	.05	.50	.55
MAR.											
11...	1430	1800	--	--	--	--	--	.16	.04	.32	.36
APR.											
02...	1115	4480	18	0	15	6.0	8.7	.11	.04	.47	.51
MAY											
09...	1000	6230	--	--	--	--	--	.14	.14	.62	.76
JUNE											
03...	1400	4410	--	--	--	--	--	.23	.01	.97	.98

DATE	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L)	TOTAL FILT- RABLE RESIDUE (MG/L)	DIS- SOLVED SOLIDS (TONS PER AC-FT)	DIS- SOLVED SOLIDS (TONS PER DAY)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	HARD- NESS (CA+MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)
OCT.										
23...	.52	2.3	.07	122	120	.17	148	8	43	13
NOV.										
26...	.81	3.6	.08	110	--	.15	1630	--	--	--
DEC.										
16...	.60	2.7	.07	90	--	.12	583	--	--	--
JAN.										
22...	.94	4.2	.06	45	--	.06	541	--	30	13
FEB.										
20...	.57	2.5	.08	58	--	.08	1820	--	--	--
MAR.										
11...	.52	2.3	.05	89	--	.12	433	--	--	--
APR.										
02...	.62	2.7	.08	68	--	.09	823	--	26	11
MAY										
09...	.90	4.0	.04	64	--	.09	1080	--	--	--
JUNE										
03...	1.2	5.4	.06	99	--	.13	1180	--	--	--

DATE	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH	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)	CARBON DIOXIDE (CO2) (MG/L)	FECAL COLI- FORM (COL. PER 100 ML)	STREP- TOCOCCI (COL- ONIES PER 100 ML)	TOTAL ORGANIC CARBON (C) (MG/L)
OCT.											
23...	165	6.6	17.0	20	5	10.6	8	14	105	128	6.1
NOV.											
26...	145	6.5	11.0	--	20	9.4	26	--	--	--	10
DEC.											
16...	130	6.6	9.0	--	20	10.6	10	--	595	560	11
JAN.											
22...	95	6.4	10.0	80	40	9.9	22	13	770	440	8.8
FEB.											
20...	35	5.8	15.0	--	50	9.2	31	--	335	210	12
MAR.											
11...	150	6.9	15.0	--	20	8.8	14	--	920	8240	4.9
APR.											
02...	50	6.1	15.0	95	27	9.7	17	23	8158	187	8.0
MAY											
09...	70	6.1	21.0	--	35	8.2	20	--	460	2000	14
JUNE											
03...	110	6.9	25.0	--	25	7.6	23	--	887	490	10

02477500 - CHICKASAW RIVER NEAR WAYNESBORO, MISS.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	TOTAL ARSENIC (AS) (UG/L)	TOTAL ARSENIC IN BOTTOM MA- TERIAL (UG/G)	TOTAL MERCURY (MG) (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)	SUS- PEN- DED SEDI- MENT (MG/L)	SUS- PEN- DED SEDI- MENT DIS- CHARGE (T/DAY)
OCT. 23...	5	2	1	5	.0	.1	0	0	18	22
NOV. 26...	--	--	--	--	--	--	--	--	56	832
DEC. 14...	--	--	--	--	--	--	--	--	54	350
JAN. 22...	3	0	1	--	.1	--	0	--	98	1180
FEB. 20...	--	--	--	--	--	--	--	--	116	3630
MAR. 11...	--	--	--	--	--	--	--	--	153	744
APR. 02...	7	0	2	--	.1	--	0	--	119	1440
MAY 09...	--	--	--	--	--	--	--	--	--	--
JUNE 03...	--	--	--	--	--	--	--	--	66	786

SPECTROGRAPHIC ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	DIS- SOLVED SILICA (SiO2) (MG/L)	TOTAL IRON (FF) (UG/L)	TOTAL IRON IN BOTTOM MA- TERIAL (UG/G)	TOTAL MANGA- NESE IN BOTTOM MA- TERIAL (MN) (UG/L)	TOTAL MANGA- NESE IN BOTTOM MA- TERIAL (UG/G)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	TOTAL MAG- NE- SIUM (MG) (MG/L)	SUS- PEN- DED MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	TOTAL CAD- MIUM (CD) (UG/L)	TOTAL CADMIUM IN BOTTOM MA- TERIAL (UG/G)
OCT. 23...	11	940	5400	61	180	14	2.1	.2	1.9	0	<10
JAN. 22...	11	2500	--	130	--	9.5	--	--	1.5	0	--
APR. 02...	10	3300	--	130	--	8.3	--	--	1.3	1	--

DATE	TOTAL CHRO- MIUM (CR) (UG/L)	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 LEAD (PB) (UG/L)	TOTAL LEAD IN BOTTOM MA- TERIAL (UG/G)	TOTAL ZINC (ZN) (UG/L)	TOTAL ZINC IN BOTTOM MA- TERIAL (UG/G)
OCT. 23...	<10	<10	1	<10	13	<10	1	<10	5	30
JAN. 22...	<10	--	1	--	45	--	6	--	30	--
APR. 02...	<10	--	1	--	5	--	4	--	8	--

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TOTAL ALDRIN (UG/L)	TOTAL ALDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL CHLOR- DANE (UG/L)	TOTAL CHLOR- DANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDO (UG/L)	TOTAL DDO IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDE (UG/L)	TOTAL DDE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DNT (UG/L)	TOTAL DNT IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DI- AZINON (UG/L)
OCT. 23...	.00	.0	.0	3	.00	.6	.00	.0	.00	.0	.02
JAN. 22...	.00	--	.0	--	.00	--	.00	--	.00	--	<.01
APR. 02...	.00	--	.0	--	.00	--	.00	--	.00	--	.00

02477500 - CHICKASAWHAY RIVER NEAR WAYNESBORO, MISS.--CONTINUED

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	DI- AZINON IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DI- FLORIN (UG/L)	DI- FLORIN 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- CHLOR EPOXIDE IN BOTTOM MA- TERIAL (UG/KG)
OCT. 23...	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0
JAN. 22...	--	.00	--	.00	--	.00	--	.00	--	.00	--
APR. 02...	--	.00	--	.00	--	.00	--	.00	--	.00	--

DATE	LINDANE IN BOTTOM MA- TERIAL (UG/L)	TOTAL LINDANE (UG/KG)	MALA- THION IN BOTTOM MA- TERIAL (UG/L)	TOTAL MALA- THION (UG/KG)	METHYL PARA- THION IN BOTTOM MA- TERIAL (UG/L)	TOTAL METHYL PARA- THION (UG/KG)	METHYL TRI- THION IN BOTTOM MA- TERIAL (UG/L)	TOTAL METHYL TRI- THION (UG/KG)	PARA- THION IN BOTTOM MA- TERIAL (UG/L)	TOTAL PARA- THION (UG/KG)	TOTAL PCB (UG/L)
OCT. 23...	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0	.0
JAN. 22...	.00	--	.00	--	.00	--	.00	--	.00	--	.0
APR. 02...	.00	--	.00	--	.00	--	.00	--	.00	--	.0

DATE	PCB 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)
OCT. 23...	.4	0	0	.00	.0	.00	0	.00	0	.00	0
JAN. 22...	--	0	--	.00	--	.00	--	.00	--	.00	--
APR. 02...	--	0	--	.00	--	.04	--	.00	--	.00	--

RADIOCHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

	DIC- SOLVED GROSS ALPHA AS U-NAT. (UG/L)	SUS- PENDED GROSS ALPHA AS U-NAT. (UG/L)	DIC- SOLVED GROSS BETA AS CS-137 (PC/L)	SUS- PENDED GROSS BETA AS CS-137 (PC/L)	DIC- SOLVED GROSS BETA AS /Y90 (PC/L)	SUS- PENDED GROSS BETA AS /Y90 (PC/L)
DATE						
OCT. 23...		1.3	.4	3.7	.7	3.0

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

02477990 - BUCKATUNNA CREEK NEAR DENHAM, MISS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTANTANEOUS DTS- CHARGE (CFS)	BICARBONATE (HCO ₃) (MG/L)	CARBONATE (CO ₃) (MG/L)	ALKALINITY AS CaCO ₃ (MG/L)	DIS- SOLVED SULFATE (SO ₄) (MG/L)	DIS- SOLVED CHLORIDE (CL) (MG/L)	TOTAL NITRATE PLUS NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJEL- DAHL NITROGEN (N) (MG/L)
OCT. 23...	1800	139	27	0	22	4.6	75	.06	.01	.22	.23
JAN. 21...	1230	1780	17	--	14	4.6	15	.07	.02	.61	.63
APR. 02...	1000	1300	16	0	13	3.9	8.6	.07	.02	.45	.47

DATE	TOTAL NITROGEN (N) (MG/L)	TOTAL NITROGEN (NO ₃) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	DIS- SOLVED SOLIDS (RESIDUE DUE AT 180 C) (MG/L)	TOTAL FILT- RAHLE RESIDUE (MG/L)	DIS- SOLVED SOLIDS (TONS PER AC-FT)	DIS- SOLVED SOLIDS (TONS PER DAY)	TOTAL NON- FILT- RAHLE RESIDUE (MG/L)	AMMONIA NITROGEN (N) (MG/L)	NON- CARBONATE HARDNESS (MG/L)
OCT. 23...	.29	1.3	.01	167	180	.23	62.7	6	.46	24
JAN. 21...	.70	3.1	.04	47	--	.06	226	--	.22	9
APR. 02...	.54	2.4	.03	61	--	.09	214	--	.18	5

DATE	SPD- CTIFIC CON- DUCT- ANCE (MICRO- MOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	DIS- SOLVED OXYGEN (MG/L)	CHEM- ICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L)	CARBON DIOXIDE (CO ₂) (MG/L)	FECAL COLI- FORM (COL. PER 100 ML)	STEP- TOCUCCI (COL- ONIES PER 100 ML)	UNCOR- RECTED PERI- PHYTON CHLORO- PHYLL A MG/SQ M	UNCOR- RECTED PERI- PHYTON CHLORO- PHYLL B MG/SQ M
OCT. 23...	220	6.7	15.0	50	5	10.2	4	8.6	864	78	--	--
JAN. 21...	87	6.4	10.0	100	30	10.0	14	11	81540	81300	--	--
APR. 02...	80	6.4	15.0	95	15	9.7	19	10	287	493	.0	.1

DATE	TOTAL ORGANIC CARBON (C) (MG/L)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	TOTAL ARSENIC (AS) (UG/L)	TOTAL ARSENIC IN BOTTOM MATERIAL (UG/G)	TOTAL MERCURY (MG)	TOTAL MERCURY IN BOTTOM MATERIAL (UG/G)	TOTAL SELF- NITUM (SF) (UG/L)	TOTAL SELE- NIUM IN BOTTOM MATERIAL (UG/G)	SUS- PENDED SEDIM- ENT (MG/L)	SUS- PENDED SEDIM- ENT CHARGE (T/DAY)
OCT. 23...	6.3	0	2	1	1	.0	.0	0	0	30	11
JAN. 21...	7.7	3	0	0	--	.1	--	0	--	60	248
APR. 02...	12	7	0	1	--	.0	--	0	--	45	193

SPECTROGRAPHIC ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	DIS- SOLVED SILICA (SiO ₂) (MG/L)	TOTAL IRON (FE) (UG/L)	TOTAL IRON IN BOTTOM MATERIAL (UG/G)	TOTAL MANGANESE (MANGANESE) (UG/L)	TOTAL MANGANESE IN BOTTOM MATERIAL (UG/G)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	TOTAL MAG- NE- SIUM (MG)	SUS- PENDED MAG- NE- SIUM (MG)	DIS- SOLVED MAG- NE- SIUM (MG)	TOTAL CADMIUM (CD) (UG/L)	TOTAL CADMIUM IN BOTTOM MATERIAL (UG/G)
OCT. 23...	13	1300	380	61	10	15	2.1	.0	2.1	0	<10
JAN. 21...	10	1800	--	85	--	6.8	--	--	1.2	0	--
APR. 02...	11	2300	--	100	--	5.9	--	--	.8	0	--

DATE	TOTAL CHROMIUM (CR) (UG/L)	TOTAL CHROMIUM IN BOTTOM MATERIAL (UG/G)	TOTAL COBALT (CO) (UG/L)	TOTAL COBALT IN BOTTOM MATERIAL (UG/G)	TOTAL COPPER (CU) (UG/L)	TOTAL COPPER IN BOTTOM MATERIAL (UG/G)	TOTAL LEAD (PB) (UG/L)	TOTAL LEAD IN BOTTOM MATERIAL (UG/G)	TOTAL ZINC (ZN) (UG/L)	TOTAL ZINC IN BOTTOM MATERIAL (UG/G)
OCT. 23...	<10	<10	0	<10	16	<10	1	<10	9	<10
JAN. 21...	<10	--	1	--	44	--	6	--	30	--
APR. 02...	20	--	0	--	5	--	1	--	4	--

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

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02477990 - BUCKATUNNA CREEK NEAR DENHAM, MISS.--CONTINUED

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

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 DII- AZINON (UG/L)
OCT. 23...	.00	.0	.0	0	.00	.0	.00	.0	.00	.0	.00
JAN. 21...	.00	--	.0	--	.00	--	.00	--	.00	--	.00
APR. 02...	.00	--	.0	--	.00	--	.00	--	.00	--	.00

DATE	TOTAL DI- AZINON IN BOTTOM MA- TERIAL (UG/KG)	DI- AZINON IN BOTTOM MA- TERIAL (UG/L)	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)
OCT. 23...	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0
JAN. 21...	--	.00	--	.00	--	.00	--	.00	--	.00	--
APR. 02...	--	.00	--	.00	--	.00	--	.00	--	.00	--

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 METHYL PARA- THION (UG/L)	METHYL PARA- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL METHYL TRI- THION (UG/L)	METHYL TRI- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL PARA- THION (UG/L)	PARA- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL PCB (UG/L)
OCT. 23...	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0	.0
JAN. 21...	.00	--	.00	--	.00	--	.00	--	.00	--	.0
APR. 02...	.00	--	.00	--	.00	--	.00	--	.00	--	.0

DATE	PCR 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)
OCT. 23...	0	0	0	.00	.0	.00	0	.00	0	.00	0
JAN. 21...	--	0	--	.00	--	.00	--	.00	--	.00	--
APR. 02...	--	0	--	.00	--	.00	--	.00	--	.00	--

RADIOCHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

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 CS-137 (PC/L)	SUS- PENDED GROSS BETA AS CS-137 (PC/L)
OCT. 23...	<1.5	<.4	3.6	.5	2.9	.5

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

02478500 - CHICKASAWHAY RIVER AT LEAKESVILLE, MISS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTANTANEOUS DTS- CHARGE (CFS)	BICARB- ONATE (HCO ₃) (MG/L)	CARB- ONATE (CO ₃) (MG/L)	ALKAL- INITY AS CaCO ₃ (MG/L)	DIS- SOLVED SULFATE (SO ₄) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)
OCT. 22...	1000	910	25	0	21	8.6	46	.15	.03	.28	.31
NOV. 26...	1130	3340	--	--	--	--	--	.08	.02	3.2	3.2
DEC. 16...	1330	4130	--	--	--	--	--	.09	.03	.31	.34
JAN. 21...	1430	18400	15	--	12	5.6	9.5	.08	.01	.32	.33
FEB. 19...	1130	16400	--	--	--	--	--	.03	.04	.46	.50
MAR. 12...	1400	4140	--	--	--	--	--	.14	.02	.34	.36
APR. 03...	1400	7720	16	0	13	5.7	7.8	.12	.04	.41	.45
MAY 09...	1135	14600	--	--	--	--	--	.13	.09	.45	.54
JUNE 03...	1135	4410	--	--	--	--	--	.16	.00	.32	.32

DATE	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO ₃) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L)	TOTAL FILT- RABLE RESIDUE (MG/L)	DIS- SOLVED SOLIDS (TONS PER DAY)	DIS- SOLVED SOLIDS (TONS PER DAY)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	HARD- NESS (Ca+Mg) (MG/L)	NON- CARB- ONATE HARD- NESS (MG/L)
OCT. 22...	.46	2.0	.04	156	120	.21	383	6	33	12
NOV. 26...	3.3	15	.07	59	--	.05	532	--	--	--
DEC. 16...	.43	1.9	.05	72	--	.11	803	--	--	--
JAN. 21...	.41	1.4	.07	33	--	.04	1640	--	19	6
FEB. 19...	.53	2.3	.07	48	--	.07	2130	--	--	--
MAR. 12...	.50	2.2	.05	61	--	.04	749	--	--	--
APR. 03...	.57	2.5	.08	66	--	.07	1340	--	16	2
MAY 09...	.57	3.0	.04	48	--	.07	2150	--	--	--
JUNE 03...	.51	2.3	.06	76	--	.10	905	--	--	--

DATE	SPH- CIFIC CON- DUCT- ANCE (MICRO- MOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- CARALT UNITS)	TUR- BID- ITY (JTU)	DIS- SOLVED OXYGEN (MG/L)	CHEM- ICAL OXYGEN DEMAND (HIGH- LEVEL) (MG/L)	CARBON DIOXIDE (CO ₂) (MG/L)	FECAL COLI- FORM (COL. PER 100 ML)	SIREP- TOLUCCI (COL- ONIES PER 100 ML)	UNCOR- RECTED PERI- PHYTON CHLORO- PHYLL A MG/SQ M	UNCOR- RECTED PERI- PHYTON CHLORO- PHYLL B MG/SQ M
OCT. 22...	250	6.5	17.0	30	6	8.9	12	13	520	810	--	--
NOV. 26...	75	6.1	12.0	--	30	9.8	26	--	--	--	--	--
DEC. 16...	22	6.2	5.5	--	20	10.8	10	--	120	240	--	--
JAN. 21...	64	5.9	7.5	100	40	9.0	16	30	220	370	--	--
FEB. 19...	40	5.5	15.0	--	60	9.5	33	--	345	593	--	--
MAR. 12...	120	6.2	16.5	--	20	8.3	12	--	700	3200	--	--
APR. 03...	50	6.2	15.0	45	30	9.5	17	15	450	457	.0	.0
MAY 09...	45	6.2	21.0	--	35	8.0	24	--	41	450	--	--
JUNE 03...	20	6.5	25.0	--	30	7.5	19	--	134	1400	--	--

02478500 - CHICKASAWHAY RIVER AT LEAKESVILLE, MISS.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TOTAL ORGANIC CARBON (C) (MG/L)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	TOTAL ARSENIC (4S) (UG/L)	TOTAL ARSENIC 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)	SUS- PENDE SEDIM- ENT CHARGE (T/DAY)
OCT. 22...	15	3	1	1	1	.0	.0	0	0	54 133
NOV. 26...	9.6	--	--	--	--	--	--	--	--	80 721
DEC. 16...	4.2	--	--	--	--	--	--	--	--	68 758
JAN. 21...	15	2	0	0	--	.3	--	0	--	129 6410
FEB. 19...	9.6	--	--	--	--	--	--	--	--	314 13900
MAR. 12...	4.4	--	--	--	--	--	--	--	--	80 894
APR. 03...	8.6	4	0	2	--	.0	--	0	--	154 3210
MAY 09...	14	--	--	--	--	--	--	--	--	--
JUNE 03...	8.0	--	--	--	--	--	--	--	--	100 1190

SPECTROGRAPHIC ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	DIS- SOLVED SILICA (SI02) (MG/L)	TOTAL IRON (FE) (UG/L)	TOTAL IRON IN BOTTOM MA- TERIAL (UG/G)	TOTAL MANGA- NESE IN BOTTOM MA- TERIAL (UG/G)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	TOTAL MAG- NE- SIUM (MG) (MG/L)	SUS- PENDE MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	TOTAL CAD- MIUM (CD) (UG/L)	TOTAL CADMIUM IN BOTTOM MA- TERIAL (UG/G)
OCT. 22...	11	1400	920	120	40	10	1.6	.0	1.9	0 <10
JAN. 21...	9.4	2200	--	90	--	5.5	--	--	1.2	0 --
APR. 03...	9.8	3500	--	140	--	4.9	--	--	.8	0 --

DATE	TOTAL CHRO- MIUM (CR) (UG/L)	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 LEAD (PB) (UG/L)	TOTAL LEAD IN BOTTOM MA- TERIAL (UG/G)	TOTAL ZINC (ZN) (UG/L)	TOTAL ZINC IN BOTTOM MA- TERIAL (UG/G)
OCT. 22...	0	<10	0	<10	8	<10	0	<10	100	<10
JAN. 21...	30	--	2	--	66	--	4	--	30	--
APR. 03...	<10	--	1	--	2	--	4	--	20	--

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

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 DIT (UG/L)	DIT IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DI- AZINON (UG/L)
OCT. 22...	.00	.0	.0	0	.00	.0	.00	.0	.00	.0	.00
JAN. 21...	.00	--	.0	--	.00	--	.00	--	.00	--	.00
APR. 03...	.00	--	.0	--	.00	--	.00	--	.00	--	.00

02474500 - CHICKASAW RIVER AT LEAKESVILLE, MISS.--CONTINUED

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

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)
OCT. 22...	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0
JAN. 21...	--	.00	--	.00	--	.00	--	.00	--	.00	--
APR. 03...	--	.00	--	.00	--	.00	--	.00	--	.00	--

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 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 PCH (UG/L)
OCT. 22...	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0	.0
JAN. 21...	.00	--	.00	--	.00	--	.00	--	.00	--	.0
APR. 03...	.00	--	.00	--	.00	--	.00	--	.00	--	.0

DATE	PCR 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)
OCT. 22...	0	0	0	.00	.0	.00	0	.00	0	.00	0
JAN. 21...	--	0	--	.00	--	.00	--	.00	--	.00	--
APR. 03...	--	0	--	.00	--	.00	--	.00	--	.00	--

RADIOCHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

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)
OCT. 22...	1.6	.4	3.1	<.4	2.6	<.4

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

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02479010 - WHISKEY CREEK NEAR MERRILL, MISS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTAN- TANEOUS DIS- CHARGE (CFS)	BICAR- BONATE (HCO ₃) (MG/L)	CAR- BONATE (CO ₃) (MG/L)	ALKA- LILITY AS CaCO ₃ (MG/L)	DIS- SOLVED SULFATE (SO ₄) (CL) (MG/L)	DIS- SOLVED CHLO- RINE (CL) (MG/L)
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MAY 27...	1500	24	5	0	4	1.3	2.4
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DATE	TIME	DIS- SOLVED FLUID- RIDE (F) (MG/L)	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)	NON- CAR- BONATE HARD- NESS (CA+MG) (MG/L)
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MAY 27...	.0	34	20	.05	2.88	3	0
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DATE	TIME	SPE- CTRIC CON- DUCT- ANCE (MICRO- MOS)	PH	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	DIS- SOLVED OXYGEN (MG/L)	CARBON DIOXIDE (CO ₂) (MG/L)
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MAY 27...	18	5.6	22.0	44	8.3	20
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SPECTROGRAPHIC ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	DIS- SOLVED SILICA (SiO ₂) (MG/L)	DIS- SOLVED IRON (FE) (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED SODIUM (NA) (MG/L)	DIS- SOLVED TAS- SIUM (K) (MG/L)	SODIUM AD- SUMP- TION PERCENT SODIUM RATIO
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MAY 27...	9.8	100	.5	.4	2.1	.4	57	.5
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02479050 - BIG C. HW. CROSSROADS, MISS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTAN- TANEOUS DIS- CHARGE (CFS)	BICAR- BONATE (HCO ₃) (MG/L)	CAR- BONATE (CO ₃) (MG/L)	ALKA- LILITY AS CaCO ₃ (MG/L)	DIS- SOLVED SULFATE (SO ₄) (CL) (MG/L)	DIS- SOLVED CHLO- RINE (CL) (MG/L)
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MAY 27...	1720	50	10	0	8	1.9	4.6
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DATE	TIME	DIS- SOLVED FLUID- RIDE (F) (MG/L)	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)	NON- CAR- BONATE HARD- NESS (CA+MG) (MG/L)
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MAY 27...	.1	45	24	.06	6.04	17	5
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DATE	TIME	SPE- CTRIC CON- DUCT- ANCE (MICRO- MOS)	PH	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	DIS- SOLVED OXYGEN (MG/L)	CARBON DIOXIDE (CO ₂) (MG/L)
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MAY 27...	50	5.4	23.0	47	4.2	25
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SPECTROGRAPHIC ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	DIS- SOLVED SILICA (SiO ₂) (MG/L)	DIS- SOLVED IRON (FE) (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED SODIUM (NA) (MG/L)	DIS- SOLVED TAS- SIUM (K) (MG/L)	SODIUM AD- SUMP- TION PERCENT SODIUM RATIO
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MAY 27...	4.1	210	2.4	.8	2.4	.5	31	.3
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ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

02479065 - WHITE CREEK NEAR CROSSROADS, MS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTAN- TANEOUS DIS- CHARGE (CFS)	BICAR- BONATE (HCO ₃) (MG/L)	CAR- BONATE (CO ₃) (MG/L)	ALKA- LITY AS CACO ₃ (MG/L)	DIS- SOLVED SULFATE (SO ₄) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)
MAY 28...	1230	27	10	0	8	1.1	3.7

DATE	DIS- SOLVED FLUO- RIDE (F) (MG/L)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L)	DIS- SOLVED SOLIDS (SUM OF CONSTITU- ENTS) (MG/L)	DIS- SOLVED SOLIDS (TONS PER AC-FT)	DIS- SOLVED SOLIDS (TONS PER DAY)	HARD- NESS (CA+MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)
MAY 28...	.0	46	23	.06	3.38	5	0

DATE	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	DIS- SOLVED OXYGEN (MG/L)	CARBON DIOXIDE (CO ₂) (MG/L)
MAY 28...	24	5.8	21.0	42	9.0	25

SPECTROGRAPHIC ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	DIS- SOLVED SILICA (SiO ₂) (MG/L)	DIS- SOLVED IRON (FE) (UG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG)	DIS- SOLVED SODIUM (NA) (MG/L)	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO
MAY 28...	8.3	80	.8	.7	2.8	.6	52	.6

02479130 - BLACK CREEK NEAR BROOKLYN, MISS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTAN- TANEOUS DIS- CHARGE (CFS)	BICAB- RONATE (HCO3) (MG/L)	CAR- RONATE (CO3) (MG/L)	ALKA- LITY AS CACO3 (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)
OCT. 25...	1100	186	7	0	6	4.2	7.6	.16	.46	.19	.65
NOV. 27...	1630	600	--	--	--	--	--	.04	.15	1.9	2.0
DEC. 16...	1645	690	--	--	--	--	--	.05	.27	.44	.71
JAN. 23...	1330	660	4	--	3	2.5	4.7	.08	.15	.27	.42
FEB. 13...	0830	559	--	--	--	--	--	.09	.02	.60	.62
MAR. 12...	1000	813	--	--	--	--	--	.08	.11	.43	.54
APR. 03...	1030	594	8	0	7	2.9	4.2	.09	.17	.21	.38
MAY 05...	1700	1950	--	--	--	--	--	.08	.04	.50	.54
JUNE 04...	1230	242	--	--	--	--	--	.19	.28	.32	.60

DATE	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOLVED SOLIDS (RESI- DUCE AT 180 C) (MG/L)	TOTAL FILT- RABLE RESIDUE (MG/L)	DIS- SOLVED SOLIDS (TONS PER AC-FT)	DIS- SOLVED SOLIDS (TONS PER DAY)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	HARD- NESS (CA+MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)
OCT. 25...	.41	3.6	.00	33	40	.04	16.6	59	20	14
NOV. 27...	2.0	9.0	.01	43	--	.06	69.7	--	--	--
DEC. 16...	.76	3.4	.01	32	--	.04	59.6	--	--	--
JAN. 23...	.50	2.2	.04	10	--	.01	17.8	--	11	8
FEB. 13...	.71	3.1	.02	21	--	.03	31.7	--	--	--
MAR. 12...	.62	2.7	.04	35	--	.05	79.0	--	--	--
APR. 03...	.47	2.1	.03	34	--	.05	60.9	--	5	0
MAY 05...	.62	2.7	.04	34	--	.05	179	--	--	--
JUNE 04...	.79	3.5	.02	42	--	.06	27.4	--	--	--

DATE	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- CORALI UNITS)	TUR- BID- ITY (JTU)	DIS- SOLVED OXYGEN (MG/L)	CHEM- ICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	FECAL COLI- FORM (COL. PER 100 ML)	STREP- TOCOCCI (CUL- ONIES PER 100 ML)	UNCOR- RECTED PERI- PHYTON CHLORO- PHYLL A MG/SQ M	UNCOR- RECTED PERI- PHYTON CHLORO- PHYLL B MG/SQ M
OCT. 25...	42	6.1	--	30	5	9.8	12	8.9	842	60	--	--
NOV. 27...	34	5.0	11.0	--	7	10.3	18	--	--	--	--	--
DEC. 16...	34	5.4	10.2	--	10	10.6	16	--	380	470	--	--
JAN. 23...	23	5.5	10.0	40	2	10.6	12	20	830	850	--	--
FEB. 13...	19	5.6	12.5	--	5	10.0	18	--	828	81	--	--
MAR. 12...	30	5.2	17.0	--	10	8.4	23	--	810000	1866	--	--
APR. 03...	20	6.2	14.5	65	7	9.6	15	8.1	833	493	.2	.1
MAY 05...	20	5.3	21.0	--	30	8.1	24	--	1000	82300	--	--
JUNE 04...	32	6.4	25.0	--	4	7.9	16	--	74	94	--	--

02479130 - BLACK CREEK NEAR BROOKLYN, MISS.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TOTAL ORGANIC CARBON (C) (MG/L)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	TOTAL ARSENIC (AS) (UG/L)	TOTAL ARSENIC 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)	SUS- PENDED SEDI- MENT (MG/L)	SUS- PENDED SEDI- MENT DIS- CHARGE (T/DAY)
OCT. 25...	12	0	1	1	1	.0	.1	0	0	52	26
NOV. 27...	6.1	--	--	--	--	--	--	--	--	60	97
DEC. 16...	7.4	--	--	--	--	--	--	--	--	24	45
JAN. 23...	9.1	6	0	0	--	.0	--	0	--	9	16
FEB. 13...	6.7	--	--	--	--	--	--	--	--	66	100
MAR. 12...	11	--	--	--	--	--	--	--	--	97	213
APR. 03...	7.7	9	0	1	--	.0	--	0	--	34	55
MAY 05...	10	--	--	--	--	--	--	--	--	--	--
JUNE 04...	6.7	--	--	--	--	--	--	--	--	15	9.8

SPECTROGRAPHIC ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	DIS- SOLVED SILICA (SIO2) (MG/L)	TOTAL IRON (FE) (UG/L)	TOTAL IRON IN BOTTOM MA- TERIAL (UG/G)	TOTAL MANGA- NESE IN CAL- MAN- GANESE (MN) (UG/L)	TOTAL MANGA- NESE IN BOTTOM MA- TERIAL (UG/G)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	TOTAL MAG- NE- SIUM (MG) (MG/L)	SUS- PENDED MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	TOTAL CAD- MIUM (CD) (UG/L)	TOTAL CADMIUM IN BOTTOM MA- TERIAL (UG/G)
OCT. 25...	11	690	980	44	110	6.9	.6	.0	.6	0	<10
JAN. 23...	8.8	650	--	37	--	3.6	--	--	.6	0	--
APR. 03...	8.3	770	--	40	--	1.6	--	--	.3	0	--

DATE	TOTAL CHRO- MIUM (CR) (UG/L)	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 LEAD (PB) (UG/L)	TOTAL LEAD IN BOTTOM MA- TERIAL (UG/G)	TOTAL ZINC (ZN) (UG/L)	TOTAL ZINC IN BOTTOM MA- TERIAL (UG/G)
OCT. 25...	<10	<10	0	<10	22	<10	4	20	10	<10
JAN. 23...	10	--	0	--	80	--	14	--	7	--
APR. 03...	<10	--	1	--	0	--	0	--	8	--

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

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)
OCT. 25...	.00	.0	.0	0	.00	.1	.00	.2	.00	.0	.00
JAN. 23...	.00	--	.0	--	.00	--	.00	--	.00	--	.00
APR. 03...	.00	--	.0	--	.00	--	.00	--	.00	--	.00

02479130 - BLACK CREEK NEAR BROOKLYN, MISS.--CONTINUED

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	DI- AZINON IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DI- FLORIN (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 ROT- TOM MA- TERIAL (UG/KG)
OCT. 25...	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0
JAN. 23...	--	.00	--	.00	--	.00	--	.00	--	.00	--
APR. 03...	--	.00	--	.00	--	.00	--	.00	--	.00	--

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 METHYL PARA- THION (UG/L)	METHYL PARA- THION IN ROT- TOM MA- TERIAL (UG/KG)	TOTAL METHYL TRI- THION (UG/L)	METHYL TRI- THION IN ROT- TOM MA- TERIAL (UG/KG)	TOTAL PARA- THION (UG/L)	PARA- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL PCH (UG/L)
OCT. 25...	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0	.0
JAN. 23...	.00	--	.00	--	.00	--	.00	--	.00	--	.0
APR. 03...	.00	--	.00	--	.00	--	.00	--	.00	--	.0

DATE	PCB 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)
OCT. 25...	0	0	0	.00	.0	.01	0	.00	0	.00	0
JAN. 23...	--	0	--	.00	--	.00	--	.00	--	.00	--
APR. 03...	--	0	--	.00	--	.00	--	.00	--	.00	--

RADIOCHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

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 HEFA AS SR90 (PC/L)	SUS- PENDED GROSS HEFA AS SR90 (PC/L)
OCT. 25...	<.4	1.9	2.3	2.3	1.9	2.0

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

02479191 - RED C. AT PERKINGSTON, MISS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTANTANEOUS DIS-CHARGE (CFS)	BICARBONATE (HCO ₃) (MG/L)	CARBONATE (CO ₃) (MG/L)	ALKALINITY AS CACO ₃ (MG/L)	DIS-SOLVED SULFATE (SO ₄) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)
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MAY							
29...	0815	172	10	0	8	1.5	11

DATE	DIS-SOLVED SOLIDS FLUORIDE (F) (MG/L)	DIS-SOLVED SOLIDS (RESIDUE 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)	HARDNESS (CA+MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)
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MAY							
29...	.2	66	39	.09	30.7	8	0

DATE	SPECIFIC CONDUCTANCE (MICRO-MHOS)	PH (UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	DIS-SOLVED OXYGEN (MG/L)	CARBON DIOXIDE (CO ₂) (MG/L)
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MAY						
29...	48	5.7	22.5	41	7.9	32

SPECTROGRAPHIC ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	DIS-SOLVED SILICA (SiO ₂) (MG/L)	DIS-SOLVED IRON (FE) (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNESIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED POTASSIUM (K) (MG/L)	PERCENT SODIUM	SODIUM ADSORPTION RATIO
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MAY								
29...	12	340	2.0	.8	5.8	.8	58	.9

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

357

02479200 - FLINT CREEK NEAR WIGGINS, MISS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTAN- TANECUS DIS- CHARGE (CFS)	BICAR- BONATE (HCO3) (MG/L)	CAH- BONATE (CO3) (MG/L)	ALKA- LITY AS CACO3 (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)
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MAY 24...	1700	55	7	0	6	2.0	43
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DATE	TIME	DIS- SOLVED SOLIDS (RESI- DUE AT (F) 180 C) (MG/L)	DIS- SOLVED SOLIDS (SUM OF CONSTI- TUENTS) (MG/L)	DIS- SOLVED SOLIDS (TONS AC-FT) (MG/L)	DIS- SOLVED SOLIDS (TONS PER DAY) (MG/L)	NON- CAR- BONATE HARD- NESS (CA+MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)
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MAY 24...	1700	55	7	0	6	2.0	43
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DATE	TIME	SEF- CTIFIC CON- DUCT- ANCE (MICRO- MHO-CM)	PH (UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	DIS- SOLVED OXYGEN (MG/L)	CARBON DIOXIDE (CO2) (MG/L)
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MAY 24...	1700	55	7	0	6	2.0	43
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SPECTROGRAPHIC ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	DIS- SOLVED SILICA (SiO2) (MG/L)	DIS- SOLVED IRON (FE) (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED SODIUM (NA) (MG/L)	DIS- SOLVED TAS- SIUM (K) (MG/L)	SODIUM AD- SORP- TION PERCENT SODIUM RATIO
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MAY 24...	1700	55	7	0	6	2.0	43
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02479250 - HUFF CREEK NEAR WIGGINS, MS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTAN- TANECUS DIS- CHARGE (CFS)	BICAR- BONATE (HCO3) (MG/L)	CAH- BONATE (CO3) (MG/L)	ALKA- LITY AS CACO3 (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)
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MAY 24...	1445	23	2	0	2	1.8	2.8
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DATE	TIME	DIS- SOLVED SOLIDS (RESI- DUE AT (F) 180 C) (MG/L)	DIS- SOLVED SOLIDS (SUM OF CONSTI- TUENTS) (MG/L)	DIS- SOLVED SOLIDS (TONS AC-FT) (MG/L)	DIS- SOLVED SOLIDS (TONS PER DAY) (MG/L)	NON- CAR- BONATE HARD- NESS (CA+MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)
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MAY 24...	1445	23	2	0	2	1.8	2.8
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DATE	TIME	SEF- CTIFIC CON- DUCT- ANCE (MICRO- MHO-CM)	PH (UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	DIS- SOLVED OXYGEN (MG/L)	CARBON DIOXIDE (CO2) (MG/L)
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MAY 24...	1445	23	2	0	2	1.8	2.8
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SPECTROGRAPHIC ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	DIS- SOLVED SILICA (SiO2) (MG/L)	DIS- SOLVED IRON (FE) (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED SODIUM (NA) (MG/L)	DIS- SOLVED TAS- SIUM (K) (MG/L)	SODIUM AD- SORP- TION PERCENT SODIUM RATIO
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MAY 24...	1445	23	2	0	2	1.8	2.8
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ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

02479550 - ROCKY CREEK NEAR LUCEDALE, MS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTANTANEOUS DIS- CHARGE (CFS)	BICARBONATE (HCO ₃) (MG/L)	CARBONATE (CO ₃) (MG/L)	ALKALINITY AS CaCO ₃ (MG/L)	DIS- SOLVED SULFATE (SO ₄) (MG/L)	DIS- SOLVED CHLORIDE (CL) (MG/L)
MAY 28...	1000	18	2	0	2	1.8	5.7

DATE	DIS- SOLVED FLUORIDE (F) (MG/L)	DIS- SOLVED SOLIDS (RESIDUE 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)	HARD- NESS (CA, MG) (MG/L)	NON- CARBONATE HARD- NESS (MG/L)
MAY 28...	.1	29	22	.04	1.43	10	8

DATE	SPECIFIC CONDUCTANCE (MICRO-MHOS)	PH (UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	DIS- SOLVED OXYGEN (MG/L)	CARBON DIOXIDE (CO ₂) (MG/L)
MAY 28...	24	5.5	20.5	26	7.0	10

SPECTROGRAPHIC ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	DIS- SOLVED SILICA (SiO ₂) (MG/L)	DIS- SOLVED IRON (FE) (UG/L)	DIS- SOLVED CALCIUM (CA) (MG/L)	DIS- SOLVED MAGNESIUM (MG) (MG/L)	DIS- SOLVED SODIUM (NA) (MG/L)	DIS- SOLVED POTASSIUM (K) (MG/L)	PERCENT SODIUM	SODIUM AND SORPTION RATIO
MAY 28...	6.8	350	2.9	.7	2.5	.6	33	.3

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

359

02479560 - ESCATAWPA R. NW. AGRICOLA, MISS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTAN- TANEOUS DIS- CHARGE (CFS)	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)
OCT.							
22...	1040	131	4	0	3	2.2	6.0
NOV.							
20...	0945	760	2	0	2	3.8	6.8
DEC.							
19...	0915	1214	1	0	1	4.2	3.8
JAN.							
15...	1400	3930	5	0	4	4.0	3.0
FEB.							
20...	1400	5160	0	0	0	6.2	2.6
MAR.							
27...	1330	1250	2	0	2	2.2	4.2
MAY							
02...	0830	2120	1	0	1	2.2	4.6
JUNE							
13...	0830	3270	4	0	3	.8	3.2
JULY							
24...	0900	736	5	0	4	.6	4.8
AUG.							
28...	0900	623	4	0	3	.2	5.8

DATE	DIS- SOLVED FLUO- RIDE (F) (MG/L)	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)	HARD- NESS (CA+MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)
OCT.							
22...	.0	30	28	.04	10.6	10	7
NOV.							
20...	.0	30	26	.04	61.6	7	6
DEC.							
19...	.0	32	22	.04	105	6	5
JAN.							
15...	.0	26	18	.04	276	8	4
FEB.							
20...	.0	17	19	.02	237	7	7
MAR.							
27...	.0	--	20	.03	67.5	5	4
MAY							
02...	.0	--	18	.02	103	5	4
JUNE							
13...	.0	--	17	.02	150	4	1
JULY							
24...	.0	--	21	.03	41.7	5	1
AUG.							
28...	.0	--	23	.03	38.7	5	2

DATE	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	DIS- SOLVED MERCURY (HG) (UG/L)
OCT.							
22...	38	6.0	15.0	9.9	6.4	<1	<.2
NOV.							
20...	39	5.2	17.0	10.5	20	2	.2
DEC.							
19...	36	4.8	8.5	10.3	25	ND	<.2
JAN.							
15...	34	4.9	7.5	10.0	101	8	<.2
FEB.							
20...	23	4.5	16.5	5.9	.0	ND	2.6
MAR.							
27...	29	5.3	16.5	9.1	16	3	ND
MAY							
02...	29	4.6	21.0	7.8	40	1	<.2
JUNE							
13...	21	4.7	23.0	8.2	128	<1	.2
JULY							
24...	29	5.1	26.0	8.8	64	1	.3
AUG.							
28...	35	5.1	25.0	8.4	51	3	<.2

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

02479560 - ESCATAWPA R. NR. AGRICOLA, MISS.--CONTINUED

SPECTROGRAPHIC ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	DIS- SOLVED SILICA (SiO ₂) (MG/L)	DIS- SOLVED IRON (FE) (UG/L)	DIS- SOLVED MANGANESE (MN) (UG/L)	DIS- SOLVED CALCIUM (CA) (MG/L)	DIS- SOLVED MAGNESIUM (MG) (MG/L)	DIS- SOLVED SODIUM (NA) (MG/L)	DIS- SOLVED POTASSIUM (K) (MG/L)	PERCENT SODIUM
OCT. 22...	8.5	160	45	2.7	.8	3.5	.6	41
NOV. 20...	7.3	230	70	1.5	.9	3.9	.7	50
DEC. 19...	9.0	130	40	1.3	.7	2.4	.5	44
JAN. 15...	5.7	290	1	2.1	.6	.2	.5	5
FEB. 20...	4.9	310	55	1.8	.5	1.6	.6	32
MAR. 27...	6.7	320	48	1.3	.5	2.6	.6	48
MAY 02...	6.6	260	46	1.0	.5	2.6	.6	52
JUNE 13...	6.1	470	30	1.1	.4	2.4	.5	51
JULY 24...	8.7	270	50	1.0	.5	2.8	.4	55
AUG. 28...	8.9	700	100	1.1	.6	3.2	.6	54

DATE	SODIUM AD- SORP- TION RATIO	DIS- SOLVED CADMIUM (CD) (UG/L)	DIS- SOLVED CHROMIUM (CR) (UG/L)	DIS- SOLVED COBALT (CO) (UG/L)	DIS- SOLVED COPPER (CU) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)
OCT. 22...	.5	1	<1	2	1	<1	7
NOV. 20...	.6	2	<1	2	2	<1	14
DEC. 19...	.4	<1	<1	2	2	<1	8
JAN. 15...	.0	<1	<1	2	1	1	8
FEB. 20...	.3	<1	<1	1	3	1	8
MAR. 27...	.5	<1	<1	1	2	1	ND
MAY 02...	.5	<1	1	1	--	<1	18
JUNE 13...	.5	1	1	1	--	3	34
JULY 24...	.6	3	1	1	--	2	25
AUG. 28...	.6	1	1	1	--	3	30

02400207 - ESCATAWPA RIVER AT MOSS POINT, MISS.

WATER QUALITY DATA

DATE	TIME	DEPTH (FT)	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)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)
SEP.. 1974										
12...	1200	--	--	--	--	--	--	.01	.01	.50
OCT..										
21...	1500	--	47	0	39	550	3900	.13	.08	.37
NOV..										
27...	1415	--	--	--	--	--	--	.06	.01	3.5
DEC..										
12...	1400	--	--	--	--	--	--	.07	.03	.27
JAN.. 1975										
23...	1100	--	6	--	5	9.3	30	.07	.04	.39
FEB..										
12...	0500	--	--	--	--	--	--	.07	.05	.55
MAR..										
05...	1200	--	12	0	10	42	240	.09	.11	.29
APR..										
07...	1015	--	--	--	--	--	--	.06	.05	.33
08...	1300	1.0	--	--	--	--	--	--	--	--
09...	1301	5.0	--	--	--	--	--	--	--	--
10...	1302	10	--	--	--	--	--	--	--	--
11...	1303	15	--	--	--	--	--	--	--	--
12...	1304	20	--	--	--	--	--	--	--	--
13...	1305	25	--	--	--	--	--	--	--	--
14...	1306	1.0	--	--	--	--	--	--	--	--
15...	1306	5.0	--	--	--	--	--	--	--	--
16...	1307	10	--	--	--	--	--	--	--	--
17...	1308	15	--	--	--	--	--	--	--	--
18...	1309	20	--	--	--	--	--	--	--	--
19...	1310	25	--	--	--	--	--	--	--	--
MAY..										
05...	1300	--	--	--	--	--	--	.06	.12	.35

DATE	TOTAL KELF - NITROGEN GEN (N) (MG/L)	TOTAL NITROGEN GEN (N) (MG/L)	TOTAL NITROGEN GEN (N03) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	TOTAL FILTRABLE RESIDUE (MG/L)	DISSOLVED SOLIDS (TONS PER AC-FT)	TOTAL NON-FILTRABLE RESIDUE (MG/L)	HARDNESS (Ca+Mg) (MG/L)	NON-CARBONATE HARDNESS (MG/L)
SEP.. 1974										
12...	.51	.52	2.3	.04	41	--	.12	--	--	--
OCT..										
21...	.45	.53	2.5	.06	1320	7500	9.46	13	900	870
NOV..										
27...	3.5	3.5	16	.04	2920	--	3.47	--	--	--
DEC..										
12...	.30	.37	1.5	.04	363	--	.49	--	--	--
JAN.. 1975										
23...	.43	.50	2.2	.05	57	--	.08	--	23	18
FEB..										
12...	.60	.67	3.0	.03	950	--	1.29	--	--	--
MAR..										
05...	.40	.49	2.2	.04	566	--	.77	--	90	80
APR..										
07...	.38	.44	1.4	.04	56	--	.08	--	--	--
08...	--	--	--	--	--	--	--	--	--	--
09...	--	--	--	--	--	--	--	--	--	--
10...	--	--	--	--	--	--	--	--	--	--
11...	--	--	--	--	--	--	--	--	--	--
12...	--	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--	--
14...	--	--	--	--	--	--	--	--	--	--
15...	--	--	--	--	--	--	--	--	--	--
16...	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--
19...	--	--	--	--	--	--	--	--	--	--
MAY..										
05...	.47	.53	2.3	.05	694	--	.82	--	--	--

WATER QUALITY DATA

[illegible]

02480207 - ESCATAWPA RIVER AT MOSS POINT, MISS.--CONTINUED

SPECTROGRAPHIC ANALYSES

DATE	DIS- SOLVED SILICA (SiO ₂) (MG/L)	TOTAL IRON (FF) (UG/L)	TOTAL IRON IN BOTTOM MA- TERIAL (UG/G)	TOTAL MANG- NESE IN BOTTOM MA- TERIAL (UG/G)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	TOTAL MAG- NE- SIUM (MG)	SUS- PENDED MAG- NE- SIUM (MG)	DIS- SOLVED MAG- NE- SIUM (MG)	TOTAL CAD- MIUM (CD) (UG/L)	TOTAL CADMIUM IN BOTTOM MA- TERIAL (UG/G)
OCT.. 1974										
21...	5.9	360	660	110	<10	82	220	50	170	0
JAN.. 1975										
23...	5.8	510	--	50	--	5.9	--	--	2.0	0
APR..										
09...	6.5	690	--	60	--	9.5	--	--	16	0

DATE	TOTAL CHRO- MIUM (CR) (UG/L)	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 LEAD (PB) (UG/L)	TOTAL LEAD IN BOTTOM MA- TERIAL (UG/G)	TOTAL ZINC (ZN) (UG/L)	TOTAL ZINC IN BOTTOM MA- TERIAL (UG/G)
OCT.. 1974										
21...	0	<10	0	<10	4	<10	0	<10	80	10
JAN.. 1975										
23...	<10	--	0	--	53	--	10	--	4	--
APR..										
09...	<10	--	0	--	2	--	3	--	0	--

PESTICIDE ANALYSES

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 DDO (UG/L)	DDO 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)
OCT.. 1974											
21...	.00	.0	.0	0	.00	.0	.00	.0	.00	.0	.00
JAN.. 1975											
23...	.00	--	.0	--	.00	--	.00	--	.00	--	.00
APR..											
09...	.00	--	.0	--	.00	--	.00	--	.00	--	.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)
OCT.. 1974											
21...	.0	.00	.1	.00	.0	.00	.0	.00	.4	.00	.0
JAN.. 1975											
23...	--	.00	--	.00	--	.00	--	.00	--	.00	--
APR..											
09...	--	.00	--	.00	--	.00	--	.00	--	.00	--

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

02490207 - ESCATAWPA RIVER AT MOSS POINT, MISS.--CONTINUED

PESTICIDE ANALYSES

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 METHYL PARA- THION (UG/L)	METHYL PARA- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL METHYL TRI- THION (UG/L)	METHYL TRI- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL PARA- THION (UG/L)	PARA- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL PCH (UG/L)
OCT.. 1974											
21...	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0	.0
JAN.. 1975											
23...	.00	--	.00	--	.00	--	.00	--	.00	--	.0
APR..											
09...	.00	--	.00	--	.00	--	.00	--	.00	--	.0

DATE	PCR 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)
OCT.. 1974											
21...	0	0	0	.00	.0	.00	0	.00	0	.00	0
JAN.. 1975											
23...	--	0	--	.00	--	.00	--	.00	--	.00	--
APR..											
09...	--	0	--	.00	--	.00	--	.00	--	.00	--

RADIOCHEMICAL ANALYSES

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 (CS-137 (PC/L)	SUS- PENDED GROSS BETA AS (CS-137 (PC/L)
OCT.. 1974						
21...	<20	.8	100	<1.1	80	<1.0

WATER QUALITY DATA

DATE	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)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L)	TOTAL FILT- RABLE RESIDUE (MG/L)	DIS- SOLVED SOLIDS (TONS PER AC-FT)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	HARD- NESS (CA+MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)
SEP.. 1974										
12...	.44	.45	2.0	.06	443	--	.60	--	--	--
OCT.										
24...	.37	.48	2.1	.07	530	10000	.72	8	1800	1800
NOV.										
27...	.24	.29	1.3	.06	1950	--	10.8	--	--	--
DEC.										
18...	.58	.64	2.8	.05	2360	--	3.21	--	--	--
JAN.. 1975										
23...	.52	.58	2.6	.06	154	--	.21	--	35	24
FEB.										
14...	.68	.75	3.3	.04	2730	--	3.71	--	--	--
MAR.										
09...	.33	.44	1.9	.04	3970	--	5.40	--	700	680
MAY										
07...	.66	.78	3.5	.06	281	--	.38	--	--	--
08...	--	--	--	--	--	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--
JUNE										
05...	.58	.67	3.0	.04	4000	--	5.44	--	--	--

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

02480210 - PASCAGOULA RIVER AT HWY 90 AT PASCAGOULA, MISS.--CONTINUED

WATER QUALITY DATA

DATE	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)	CARBON DIOXIDE (CO2) (MG/L)	FECAL COLIFORM (COL. PER 100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)
SEP., 1974										
12...	800	5.8	26.0	--	10	4.7	36	--	893	8740
OCT.										
24...	>500	--	25.0	20	4	6.3	580	--	411	520
NOV.										
27...	5600	7.1	15.0	--	10	9.2	110	--	--	--
DEC.										
12...	3000	6.4	12.0	--	20	10.0	190	--	8000	230
JAN., 1975										
23...	250	6.3	10.0	100	30	10.5	24	10	230	890
FEB.										
14...	3600	5.6	14.0	--	4	10.2	170	--	--	--
MAR.										
09...	5500	6.6	17.0	50	15	8.3	200	12	120	180
MAY										
07...	340	5.7	23.0	--	15	7.3	36	--	460	81400
08...	300	7.0	23.0	--	--	7.0	--	--	--	--
08...	400	6.9	23.0	--	--	6.8	--	--	--	--
08...	500	6.8	23.0	--	--	7.0	--	--	--	--
08...	900	6.7	23.0	--	--	7.0	--	--	--	--
08...	2800	6.8	23.0	--	--	7.0	--	--	--	--
08...	500	7.2	23.0	--	--	7.0	--	--	--	--
08...	700	7.0	23.5	--	--	7.2	--	--	--	--
08...	780	6.9	23.0	--	--	7.2	--	--	--	--
08...	2300	6.8	24.0	--	--	7.2	--	--	--	--
08...	2200	6.8	24.0	--	--	7.2	--	--	--	--
08...	1800	6.8	24.0	--	--	7.2	--	--	--	--
JUNE										
05...	7000	6.3	28.0	--	6	7.2	230	--	430	74

[illegible]

024R0210 - PASCAGOULA RIVER AT HWY 90 AT PASCAGOULA, MISS.--CONTINUED

SPECTROGRAPHIC ANALYSES

DATE	DISE- SOLVED SILICA (MG/L)	TOTAL IRON (PP)	TOTAL IRON MA- TERIAL (UG/G)	TOTAL MANGANESE (MG/L)	TOTAL MANGANESE MA- TERIAL (UG/G)	DISE- SOLVED CAL- CIUM (CA)	TOTAL MANGANESE (MG/L)	SUS- PENDED MAG- NE- SIUM (MG)	DISE- SOLVED MAG- NE- SIUM (MG)	TOTAL CAD- MIUM (CD)	TOTAL CADMIUM MA- TERIAL (UG/G)
OCT.. 1974											
24...	5.3	340	1900	76	0	130	360	.0	370	1	<10
JAN.. 1975											
23...	7.1	1400	--	43	--	5.8	--	--	4.3	0	--
APR..											
09...	6.6	940	--	50	--	50	--	--	140	0	--

DATE	TOTAL CHRO- MIUM (CR)	TOTAL CHRO- MIUM MA- TERIAL (UG/G)	TOTAL COBALT (CO)	TOTAL COBALT MA- TERIAL (UG/G)	TOTAL COPPER (CU)	TOTAL COPPER MA- TERIAL (UG/G)	TOTAL LEAD (PB)	TOTAL LEAD MA- TERIAL (UG/G)	TOTAL ZINC (ZN)	TOTAL ZINC MA- TERIAL (UG/G)
OCT.. 1974										
24...	10	<10	0	<10	18	<10	2	30	10	20
JAN.. 1975										
23...	20	--	0	--	50	--	12	--	10	--
APR..										
09...	<10	--	0	--	0	--	1	--	0	--

PESTICIDE ANALYSES

DATE	TOTAL ALDRIN (UG/L)	TOTAL ALDRIN MA- TERIAL (UG/KG)	TOTAL CHLOR- DANE (UG/L)	TOTAL CHLOR- DANE MA- TERIAL (UG/KG)	TOTAL DDD (UG/L)	TOTAL DDD MA- TERIAL (UG/KG)	TOTAL DDE (UG/L)	TOTAL DDE MA- TERIAL (UG/KG)	TOTAL DDT (UG/L)	TOTAL DDT MA- TERIAL (UG/KG)	TOTAL DI- AZINON (UG/L)
OCT.. 1974											
24...	.00	.0	.0	0	.00	.0	.00	.0	.00	.0	<.01
JAN.. 1975											
23...	.00	--	.0	--	.00	--	.00	--	.00	--	.00
APR..											
09...	.00	--	.0	--	.00	--	.00	--	.00	--	.00

DATE	DI- AZINON IN BOTTOM MA- TERIAL (UG/KG)	DI- FLORIN IN BOTTOM MA- TERIAL (UG/L)	DI- FLORIN 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)	HEPTA- CHLOR EPOXIDE IN BOT- TOM MA- TERIAL (UG/KG)
OCT.. 1974										
24...	.0	.00	.0	.00	.0	.00	.0	.00	.0	.0
JAN.. 1975										
23...	--	.00	--	.00	--	.00	--	.00	--	.00
APR..										
09...	--	.00	--	.00	--	.00	--	.00	--	.00

DATE	TOTAL LINDANE (UG/L)	TOTAL LINDANE MA- TERIAL (UG/KG)	TOTAL MALA- THION (UG/L)	TOTAL MALA- THION MA- TERIAL (UG/KG)	TOTAL METHYL PARA- THION (UG/L)	TOTAL METHYL PARA- THION MA- TERIAL (UG/KG)	TOTAL METHYL PARA- THION (UG/L)	TOTAL METHYL PARA- THION MA- TERIAL (UG/KG)	TOTAL PARA- THION (UG/L)	TOTAL PARA- THION MA- TERIAL (UG/KG)	TOTAL PCB (UG/L)
OCT.. 1974											
24...	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0	.0
JAN.. 1975											
23...	.00	--	.00	--	.00	--	.00	--	.00	--	.0
APR..											
09...	.00	--	.00	--	.00	--	.00	--	.00	--	.0

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

02480210 - PASCAGOULA RIVER AT HWY 90 AT PASCAGOULA, MISS.--CONTINUED

PESTICIDE ANALYSES

DATE	DDP 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)
OCT.. 1974											
24...	0	0	0	.00	.0	.01	0	.00	0	.00	0
JAN.. 1975											
23...	--	0	--	.00	--	.00	--	.00	--	.00	--
APR..											
03...	--	0	--	.00	--	.00	--	.02	--	.00	--

RADIOCHEMICAL ANALYSES

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)
OCT.. 1974						
24...	<130	.4	170	.5	140	.5

024R02R5 - WEST PASCAGOULA RIVER AT HWY 90 AT GAUTIER, MISS.--CONTINUED

WATER QUALITY DATA

DATE	SPE- CTIFIC CON- DUCT- ANCE (MICRO- MHO/S)	PH (UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COALT UNITS)	TUR- BID- IDY (JTU)	DIS- SOLVED OXYGEN (MG/L)	CHEM- ICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	FECAL COLI- FORM (COL. PER 100 ML)	STREP- TOCOCCI (COL- ONIES PER 100 ML)
SEP.. 1974										
12...	300	5.7	25.0	--	20	6.1	47	--	8197	527
OCT.										
24...	3500	--	19.0	20	7	6.3	130	--	820	434
NOV.										
27...	950	6.4	13.5	--	10	7.9	40	--	--	--
DEC.										
18...	370	5.8	10.0	--	20	9.5	12	--	8140	880
JAN.. 1975										
23...	88	6.2	9.8	50	30	9.7	16	10	880	860
FEB.										
14...	3025	5.3	12.0	--	10	11.4	25	--	--	--
APR.										
09...	625	6.5	17.0	85	25	8.6	40	8.1	130	873
MAY										
07...	80	5.5	22.5	--	25	7.3	20	--	141	561
JUNE										
05...	750	6.3	28.0	--	10	7.4	44	--	820	720
SEP.										
27...	25000	--	29.0	--	--	3.2	--	--	--	--
27...	28000	--	28.5	--	--	2.7	--	--	--	--
27...	30000	--	28.5	--	--	2.3	--	--	--	--
27...	31000	--	28.0	--	--	2.0	--	--	--	--
27...	34000	--	28.0	--	--	1.4	--	--	--	--
27...	35000	--	28.0	--	--	1.9	--	--	--	--

DATE	TOTAL ORGANIC CARBON (C) (MG/L)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	TOTAL ARSENIC (AS) (UG/L)	TOTAL ARSENIC IN BOTTOM MA- TERIAL (UG/G)	TOTAL MERCURY (MG) (UG/L)	TOTAL MERCURY IN BOTTOM MA- TERIAL (UG/G)	TOTAL SIL- NIUM (SE) (UG/L)	TOTAL SIL- NIUM IN BOTTOM MA- TERIAL (UG/G)	SUS- PENDED SEDIM- ENT (MG/L)
SEP.. 1974										
12...	10	--	--	--	--	--	--	--	--	27
OCT.										
24...	22	0	4	0	0	.1	.1	0	0	484
NOV.										
27...	6.6	--	--	--	--	--	--	--	--	260
DEC.										
18...	8.4	--	--	--	--	--	--	--	--	52
JAN.. 1975										
23...	11	2	0	1	--	.3	--	0	--	43
FEB.										
14...	5.8	--	--	--	--	--	--	--	--	66
APR.										
09...	9.9	3	0	1	--	.0	--	0	--	64
MAY										
07...	8.2	--	--	--	--	--	--	--	--	--
JUNE										
05...	10	--	--	--	--	--	--	--	--	--
SEP.										
27...	--	--	--	--	--	--	--	--	--	--
27...	--	--	--	--	--	--	--	--	--	--
27...	--	--	--	--	--	--	--	--	--	--
27...	--	--	--	--	--	--	--	--	--	--
27...	--	--	--	--	--	--	--	--	--	--
27...	--	--	--	--	--	--	--	--	--	--

SPECTROGRAPHIC ANALYSES

DATE	DIS- SOLVED SILICA (SiO2) (MG/L)	TOTAL IRON (FE) (UG/L)	TOTAL IRON IN BOTTOM MA- TERIAL (UG/G)	TOTAL MANG- NESE IN CAL- GANESE (MN) (UG/L)	TOTAL MANGA- NESE IN CAL- VA- TERIAL (UG/G)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	TOTAL MAG- NE- SIUM (MG) (MG/L)	SUS- PENDED MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	TOTAL CAD- MIUM (CD) (UG/L)	TOTAL CADMIUM IN BOTTOM MA- TERIAL (UG/G)
OCT.. 1974											
24...	7.6	390	940	66	20	80	180	.0	220	0	<10
JAN.. 1975											
23...	7.4	1700	--	51	--	6.4	--	--	1.8	0	--
APR.											
09...	7.6	1600	--	70	--	10	--	--	16	0	--

02400295 - WEST PASCAGOULA RIVER AT HWY 90 AT GAUTIER, MISS.--CONTINUED

SPECTROGRAPHIC ANALYSES

DATE	TOTAL CHROMIUM (PPM) (UG/L)	TOTAL CHROMIUM 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 LEAD (PB) (UG/L)	TOTAL LEAD IN BOTTOM MA-TERIAL (UG/G)	TOTAL ZINC (ZN) (UG/L)	TOTAL ZINC IN BOTTOM MA-TERIAL (UG/G)
OCT.. 1974										
24...	<10	<10	0	<10	33	<10	2	<10	10	<10
JAN.. 1975										
23...	20	--	0	--	64	--	10	--	0	--
APR.										
09...	<10	--	1	--	4	--	1	--	5	--

PESTICIDE ANALYSES

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 DDT (UG/L)	TOTAL DDE (UG/L)	DDT IN BOTTOM MA-TERIAL (UG/KG)	TOTAL DDT (UG/L)	DDT IN BOTTOM MA-TERIAL (UG/KG)	TOTAL DDT (UG/L)	DDT IN BOTTOM MA-TERIAL (UG/KG)
OCT.. 1974											
24...	.00	.0	.0	0	.00	.00	.0	.00	.0	<.01	.0
JAN.. 1975											
23...	.00	--	.0	--	.00	.00	--	.00	--	.01	--
APR.											
09...	.00	--	.0	--	.00	.00	--	.00	--	.00	--

DATE	TOTAL DDT (UG/L)	DDT IN BOTTOM MA-TERIAL (UG/KG)	TOTAL DDT (UG/L)	DDT IN BOTTOM MA-TERIAL (UG/KG)	TOTAL DDT (UG/L)	DDT IN BOTTOM MA-TERIAL (UG/KG)	TOTAL DDT (UG/L)	DDT IN BOTTOM MA-TERIAL (UG/KG)	TOTAL DDT (UG/L)	DDT IN BOTTOM MA-TERIAL (UG/KG)
OCT.. 1974										
24...	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0
JAN.. 1975										
23...	.00	--	.00	--	.00	--	.00	--	.00	--
APR.										
09...	.00	--	.00	--	.00	--	.00	--	.00	--

DATE	TOTAL DDT (UG/L)	DDT IN BOTTOM MA-TERIAL (UG/KG)	TOTAL DDT (UG/L)	DDT IN BOTTOM MA-TERIAL (UG/KG)	TOTAL DDT (UG/L)	DDT IN BOTTOM MA-TERIAL (UG/KG)	TOTAL DDT (UG/L)	DDT IN BOTTOM MA-TERIAL (UG/KG)	TOTAL DDT (UG/L)	DDT IN BOTTOM MA-TERIAL (UG/KG)
OCT.. 1974										
24...	.00	.00	.0	.00	.0	.00	.0	.00	.0	0
JAN.. 1975										
23...	--	.00	--	.00	--	.00	--	.00	--	.0
APR.										
09...	--	.00	--	.00	--	.00	--	.00	--	.0

DATE	TOTAL DDT (UG/L)	DDT IN BOTTOM MA-TERIAL (UG/KG)	TOTAL DDT (UG/L)	DDT IN BOTTOM MA-TERIAL (UG/KG)	TOTAL DDT (UG/L)	DDT IN BOTTOM MA-TERIAL (UG/KG)	TOTAL DDT (UG/L)	DDT IN BOTTOM MA-TERIAL (UG/KG)	TOTAL DDT (UG/L)	DDT IN BOTTOM MA-TERIAL (UG/KG)
OCT.. 1974										
24...	0	0	.00	.0	.00	0	.00	0	.00	0
JAN.. 1975										
23...	0	--	.00	--	.00	--	.00	--	.00	--
APR.										
09...	0	--	.00	--	.00	--	.01	--	.00	--

RADIOCHEMICAL ANALYSES

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 CS-137 (PC/L)	SUS-PENDED GROSS BETA AS CS-137 (PC/L)	DIS-SOLVED GROSS BETA AS CS-137 (PC/L)	SUS-PENDED GROSS BETA AS CS-137 (PC/L)
OCT.. 1974								
24...	<.4	<.4	19	<.4	63	<.4		

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

BILOXI RIVER BASIN

02480400 - BILOXI RIVER NEAR MCHENRY, MS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTAN- TANEOUS DIS- CHARGE (CFS)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	ALKA- LINITAS CACO3 (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (Cl) (MG/L)
------	------	---	--------------------------------------	-----------------------------------	-------------------------------------	--	---

MAY 29...	1100	9.5	0	0	0	2.6	4.7
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DATE	DIS- SOLVED FLUO- RIDE (F) (MG/L)	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)	HARD- NESS (CA+MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)
------	--	--	---	--	--	------------------------------------	---

MAY 29...	.2	45	24	.06	1.16	6	6
--------------	----	----	----	-----	------	---	---

DATE	SPE- CFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	DIS- SOLVED OXYGEN (MG/L)	CARBON DIOXIDE (CO2) (MG/L)
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MAY 29...	22	5.5	22.5	80	6.7	.0
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SPECTROGRAPHIC ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	DIS- SOLVED SILICA (SiO2) (MG/L)	DIS- SOLVED IRON (FE) (UG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED SODIUM (NA) (MG/L)	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO
------	--	--	--	---	--	--	-------------------	---

MAY 29...	11	240	1.4	.7	2.6	.6	44	.4
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024H1270 - BACK BAY OF BILOXI NEAR BILOXI, MISS.

WATER QUALITY DATA

DATE	TIME	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)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJEL- DAHL- NITROGEN (N) (MG/L)
SEP., 1974										
11...	1900	--	--	--	--	--	.06	.22	.52	.74
OCT.										
24...	1630	61	--	50	800	5000	.00	.01	.31	.32
NOV.										
27...	1015	--	--	--	--	--	.02	.09	.52	.61
DEC.										
18...	1015	--	--	--	--	--	.04	.13	.42	.55
JAN., 1975										
22...	1030	16	--	13	100	630	.05	.10	.44	.54
FEB.										
12...	0930	--	--	--	--	--	.06	.06	.54	.60
APR.										
08...	1000	21	0	17	190	1300	.01	.05	.42	.47
MAY										
08...	1100	--	--	--	--	--	.09	.21	.69	.90
JUNE										
04...	1430	--	--	--	--	--	.00	.04	.43	.47

DATE	TOTAL NITROGEN (N) (MG/L)	TOTAL NITROGEN (NO ₃) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	TOTAL FILTRABLE RESIDUE (MG/L)	DISSOLVED SOLIDS (TONS PER AC-FT)	TOTAL NON-FILTRABLE RESIDUE (MG/L)	HARDNESS (Ca, MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)
SEP., 1974									
11...	.80	3.5	.10	274	--	.38	--	--	--
OCT.									
24...	.32	1.4	.07	9390	10000	12.8	10	1600	1500
NOV.									
27...	.63	2.8	.05	7140	--	9.71	--	--	--
DEC.									
18...	.59	2.6	.05	901	--	1.23	--	--	--
JAN., 1975									
22...	.59	2.6	.04	795	--	1.08	--	210	200
FEB.									
12...	.66	2.9	.06	1690	--	2.30	--	--	--
APR.									
08...	.48	2.1	.05	2480	--	3.37	--	420	410
MAY									
08...	.99	4.4	.10	106	--	.14	--	--	--
JUNE									
04...	.47	2.1	.05	527	--	.72	--	--	--

DATE	SPECIFIC CONDUCTANCE (MICRO-MHOS)	PH	TEMPERATURE (DEG C)	COLOR (PLATINUM- COBALT UNITS)	TURBIDITY (JTU)	DISSOLVED OXYGEN (MG/L)	CHEMICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L)	CARBON DIOXIDE (CO ₂) (MG/L)	FECAL COLIFORM (COL PER 100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)
SEP., 1974										
11...	425	5.9	27.0	--	20	5.3	32	--	8115	503
OCT.										
24...	>400	--	23.0	30	7	6.1	300	--	99	826
NOV.										
27...	4900	7.1	16.0	--	6	8.6	130	--	--	--
DEC.										
18...	1020	6.0	13.0	--	20	9.1	56	--	81040	600
JAN., 1975										
22...	1600	6.6	13.0	50	40	9.2	90	6.4	870	8100
FEB.										
12...	2100	6.7	17.0	--	20	8.9	140	--	854	100
APR.										
08...	7500	6.4	17.0	36	10	9.2	150	13	857	867
MAY										
08...	160	6.1	21.0	--	15	--	28	--	820	360
JUNE										
04...	950	6.7	29.5	--	10	7.7	24	--	640	900

024R1270 - BACK BAY OF BILOXI NEAR BILOXI, MISS.--CONTINUED

WATER QUALITY DATA

DATE	TOTAL ORGANIC CARBON (C) (UG/L)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	TOTAL ARSENIC (AS) (UG/L)	TOTAL ARSENIC IN BOTTOM MA-TERIAL (UG/G)	TOTAL MERCURY (HG) (UG/L)	TOTAL MERCURY IN BOTTOM MA-TERIAL (UG/G)	TOTAL SELENIUM (SE) (UG/L)	TOTAL SELENIUM IN BOTTOM MA-TERIAL (UG/G)	SUSPENDED SEDIMENT (MG/L)
SEP., 1974										
11...	13	--	--	--	--	--	--	--	--	40
OCT. 24...	9.4	0	3	2	1	.0	.1	0	0	814
NOV. 27...	4.9	--	--	--	--	--	--	--	--	615
DEC. 18...	12	--	--	--	--	--	--	--	--	44
JAN., 1975										
22...	11	1	0	0	--	.0	--	0	--	58
FEB. 12...	15	--	--	--	--	--	--	--	--	136
APR. 08...	14	5	0	1	--	.0	--	0	--	--
MAY 08...	8.8	--	--	--	--	--	--	--	--	--
JUNE 04...	11	--	--	--	--	--	--	--	--	25

SPECTROGRAPHIC ANALYSES

DATE	DIS-SOLVED SILICA (SI02) (MG/L)	TOTAL IRON (FE) (UG/L)	TOTAL IRON IN BOTTOM MA-TERIAL (UG/G)	TOTAL MANGANESE (MN) (UG/L)	TOTAL MANGANESE IN BOTTOM MA-TERIAL (UG/G)	DIS-SOLVED CALCIUM (CA) (MG/L)	TOTAL MAGNESIUM (MG) (UG/L)	SUSPENDED MAGNESIUM (MG) (MG/L)	DIS-SOLVED MAGNESIUM (MG) (MG/L)	TOTAL CADMIUM IN BOTTOM MA-TERIAL (UG/G)
OCT., 1974										
24...	2.7	360	460	80	60	110	200	.0	320	1
JAN., 1975										
22...	7.5	980	--	66	--	18	--	--	41	0
APR. 08...	5.2	510	--	40	--	29	--	--	85	8

DATE	TOTAL CHROMIUM (CR) (UG/L)	TOTAL CHROMIUM 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 LEAD (PB) (UG/L)	TOTAL LEAD IN BOTTOM MA-TERIAL (UG/G)	TOTAL ZINC (ZN) (UG/L)	TOTAL ZINC IN BOTTOM MA-TERIAL (UG/G)
OCT., 1974										
24...	<10	<10	0	<10	20	<10	4	10	20	10
JAN., 1975										
22...	20	--	3	--	49	--	4	--	30	--
APR. 08...	<10	--	0	--	13	--	12	--	530	--

PESTICIDE ANALYSES

DATE	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 DIAZINON (UG/L)
OCT., 1974											
24...	.00	.0	.0	6	.00	.7	.00	.0	.00	.0	.02
JAN., 1975											
22...	.00	--	.0	--	.00	--	.00	--	.00	--	.00
APR. 08...	.00	--	.0	--	.00	--	.00	--	.00	--	<.01

024R1270 - BACK HAY OF BILOXI NEAR BILOXI, MISS.--CONTINUED

PESTICIDE ANALYSES

DATE	DI- AZINON IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DI- ELORIN (UG/L)	DI- ELORIN 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)
OCT.. 1974											
24...	.0	.00	.3	.00	.0	.00	.0	.00	.0	.00	.0
JAN.. 1975											
22...	--	.00	--	.00	--	.00	--	.00	--	.00	--
APR..											
02...	--	.00	--	.00	--	.00	--	.00	--	.00	--

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 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)
OCT.. 1974											
24...	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0	.0
JAN.. 1975											
22...	.00	--	.00	--	.00	--	.00	--	.00	--	.0
APR..											
02...	.00	--	<.01	--	.00	--	.00	--	.00	--	.0

DATE	PCB 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)
OCT.. 1974											
24...	6	0	0	.00	.0	.00	0	.00	0	.00	0
JAN.. 1975											
22...	--	0	--	.00	--	.02	--	.01	--	.00	--
APR..											
02...	--	0	--	.00	--	.00	--	.00	--	.00	--

RADIOCHEMICAL ANALYSES

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 SR90 /Y90 (PC/L)	SUS- PENDED GROSS BETA AS SR90 /Y90 (PC/L)
OCT.. 1974						
24...	<110	.9	110	1.1	93	1.0

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

02491300 - HACK BAY OF BILOXI AT OCEAN SPRINGS, MISS.

WATER QUALITY DATA

DATE	TIME	HICAR- BONATE (MCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	ALKAL- LINITY AS CACO3 (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)
SEP., 1974										
11...	1700	--	--	--	--	--	.04	.08	.40	.48
OCT.										
24...	1330	89	--	73	1500	9400	.00	.03	.48	.51
NOV.										
27...	1140	--	--	--	--	--	.00	.03	.47	.50
DEC.										
18...	1100	--	--	--	--	--	.03	.09	.53	.62
JAN., 1975										
22...	1930	38	--	31	520	3800	.03	.08	.87	.95
FEB.										
11...	0945	--	--	--	--	--	.01	.01	.51	.52
APR.										
08...	1100	68	0	56	740	5200	.01	.11	.50	.61
MAY										
08...	1000	--	--	--	--	--	.07	.10	.70	.80
JUNE										
04...	1630	--	--	--	--	--	.00	.02	.55	.57

DATE	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L)	TOTAL FILT- RABLE RESIDUE (MG/L)	DIS- SOLVED SOLIDS (TONS PER AC-FT)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	HARD- NESS (CA*MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)
SEP., 1974									
11...	.52	2.3	.07	296	--	.40	--	--	--
OCT.									
24...	.51	2.3	.08	17900	19000	24.3	10	3000	3000
NOV.									
27...	.50	2.2	.07	15800	--	21.5	--	--	--
DEC.									
18...	.65	2.9	.07	8120	--	11.0	--	--	--
JAN., 1975									
22...	.48	4.3	.07	2280	--	3.10	--	1200	1200
FEB.									
11...	.53	2.3	.06	10900	--	14.8	--	--	--
APR.									
08...	.06	2.7	.07	13700	--	18.6	--	2200	2200
MAY									
08...	.87	3.9	.10	197	--	.27	--	--	--
JUNE									
04...	.57	2.5	.11	3290	--	4.47	--	--	--

DATE	SOF- CLFIC CON- DUCT- ANCE (MTCO- MERS) (MG/L)	PH (UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	DIS- SOLVED OXYGEN (MG/L)	CHEM- ICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	FECAL COLI- FORM (COL. PER 100 ML)	STREP- TOCOCCI (COL- ONIES PER 100 ML)
SEP., 1974										
11...	380	5.6	27.0	--	20	5.8	32	--	8143	885
OCT.										
24...	5000	--	21.0	20	5	6.3	670	--	8129	84
NOV.										
27...	--	7.9	14.0	--	6	10.0	350	--	--	--
DEC.										
18...	4500	6.8	12.0	--	5	8.2	120	--	380	450
JAN., 1975										
22...	5500	7.2	11.0	30	6	10.8	290	3.8	850	826
FEB.										
11...	10000	6.7	15.0	--	4	9.2	540	--	172	500
APR.										
08...	17000	6.1	17.0	15	5	9.0	660	86	867	81
MAY										
08...	280	6.1	24.0	--	25	--	32	--	880	813
JUNE										
04...	5000	7.5	27.0	--	6	6.5	180	--	813	350

02401300 - BACK BAY OF BILOXI AT OCEAN SPRINGS, MISS.--CONTINUED

WATER QUALITY DATA

DATE	TOTAL ORGANIC CARBON (C) (MG/L)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	TOTAL ARSENIC (AS) (UG/L)	TOTAL ARSENIC IN BOTTOM MA- TERIAL (UG/G)	TOTAL MERCURY (MG) (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)	SUS- PENDE SEDI- MENT (MG/L)
SEP.. 1974										
11...	14	--	--	--	--	--	--	--	--	39
OCT..										
24...	15	0	2	1	1	.1	.1	0	0	--
NOV..										
27...	20	--	--	--	--	--	--	--	--	1823
DEC..										
12...	11	--	--	--	--	--	--	--	--	388
JAN.. 1975										
22...	4.3	0	1	0	--	.1	--	0	--	12
FEB..										
11...	7.7	--	--	--	--	--	--	--	--	66
MAR..										
09...	5.2	1	0	1	--	.0	--	0	--	56
APR..										
02...	8.4	--	--	--	--	--	--	--	--	--
MAY..										
JUNE										
04...	10	--	--	--	--	--	--	--	--	38

SPECTROGRAPHIC ANALYSES

DATE	DIS- SOLVED SILICA (SiO2) (MG/L)	TOTAL IRON (FE) (UG/L)	TOTAL IRON IN BOTTOM MA- TERIAL (UG/G)	TOTAL MANGA- NESE IN BOTTOM MA- TERIAL (UG/G)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	TOTAL MAG- NE- SIUM (MG) (MG/L)	SUS- PENDE MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	TOTAL CAD- MIUM (CD) (UG/L)	TOTAL CADMIUM IN BOTTOM MA- TERIAL (UG/G)
OCT.. 1974										
24...	.7	440	380	50	50	180	570	.0	630	0
JAN.. 1975										
22...	5.2	230	--	60	--	79	--	--	250	0
APR..										
02...	3.4	250	--	120	--	140	--	--	460	0

DATE	TOTAL CHRO- MIUM (CR) (UG/L)	TOTAL CHRO- MIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL COBAL- T (CO) (UG/L)	TOTAL COBAL- T IN BOTTOM MA- TERIAL (UG/G)	TOTAL COPPER (CU) (UG/L)	TOTAL COPPER IN BOTTOM MA- TERIAL (UG/G)	TOTAL LEAD (PB) (UG/L)	TOTAL LEAD IN BOTTOM MA- TERIAL (UG/G)	TOTAL ZINC (ZN) (UG/L)	TOTAL ZINC IN BOTTOM MA- TERIAL (UG/G)
OCT.. 1974										
24...	<10	<10	0	<10	17	<10	4	10	30	10
JAN.. 1975										
22...	20	--	1	--	70	--	2	--	40	--
APR..										
04...	20	--	0	--	1	--	2	--	10	--

PESTICIDE ANALYSES

DATE	TOTAL ALDRIN (UG/L)	TOTAL ALDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL CHLOR- DANE (UG/L)	TOTAL CHLOR- DANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDO (UG/L)	TOTAL DDO IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDE (UG/L)	TOTAL DDE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDT (UG/L)	TOTAL DDT IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DI- AZINON (UG/L)
OCT.. 1974											
24...	.00	.0	.0	0	.00	.2	.00	.0	.00	.0	.00
JAN.. 1975											
22...	.00	--	.0	--	.00	--	.00	--	.00	--	.01
APR..											
02...	.00	--	.0	--	.00	--	.00	--	.00	--	.00

024R1300 - BACK BAY OF BILOXI AT OCEAN SPRINGS, MISS.--CONTINUED

PESTICIDE ANALYSES

DATE	DI- AZINON IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DI- ELDRIN (UG/L)	DI- FIDRIN 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)
OCT.. 1974											
24...	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0
JAN.. 1975											
22...	--	.00	--	.00	--	.00	--	.00	--	.00	--
APR.											
09...	--	.00	--	.00	--	.00	--	.00	--	.00	--

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 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 PCH (UG/L)
OCT.. 1974											
24...	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0	.0
JAN.. 1975											
22...	.00	--	.00	--	.00	--	.00	--	.00	--	.0
APR.											
09...	.00	--	.00	--	.00	--	.00	--	.00	--	.0

DATE	PCR 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)
OCT.. 1974											
24...	10	0	0	.00	.0	.00	0	.00	0	.00	0
JAN.. 1975											
22...	--	0	--	.00	--	.01	--	.01	--	.00	--
APR.											
09...	--	0	--	.00	--	.00	--	.00	--	.00	--

RADIOCHEMICAL ANALYSES

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)
OCT.. 1974						
24...	<150	.6	250	.7	200	.6

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

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WOLF RIVER BASIN

02401450 - MURDER CREEK NEAR POPLARVILLE, MISS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTAN- TANECUS DIS- CHARGE (CFS)	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)
MAY 29...	1750	12	10	0	8	1.5	8.6

DATE	DIS- SOLVED FLUO- RIDE (F) (MG/L)	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)	HARD- NESS (CA, MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)
MAY 29...	.5	46	35	.06	1.57	17	9

DATE	SPE- CFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	DIS- SOLVED OXYGEN (MG/L)	CARBON DIOXIDE (CO2) (MG/L)
MAY 29...	21	5.5	21.5	40	7.3	51

SPECTROGRAPHIC ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	DIS- SOLVED SILICA (SiO2) (MG/L)	DIS- SOLVED IRON (FE) (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED SODIUM (NA) (MG/L)	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO
MAY 29...	10	130	5.7	.7	2.1	.6	20	.2

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

ST. LOUIS BAY

02481675 - ST. LOUIS BAY AT HWY 90 AT HAY ST. LOUIS, MISS.

WATER QUALITY DATA

DATE	TIME	HIC49- BICATE (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)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)
SEP.. 1974										
12...	2000	--	--	--	--	--	.00	.01	.53	.54
OCT.										
24...	1200	99	--	73	1500	9000	.01	.03	.43	.46
NOV.										
27...	0230	--	--	--	--	--	.00	.06	.29	.35
DEC.										
12...	0900	--	--	--	--	--	.00	.00	.52	.52
JAN.. 1975										
22...	1130	27	--	22	190	1400	.01	.01	.58	.69
FEB.										
12...	1130	--	--	--	--	--	.00	.00	.43	.43
MAR.										
04...	0830	30	0	25	180	1300	.01	.02	.49	.51
MAY										
07...	1630	--	--	--	--	--	.01	.03	.65	.68
JUNE										
05...	0430	--	--	--	--	--	.00	.01	.41	.42

DATE	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOLVED SOLIDS (RESI- DUE AT 150 C) (MG/L)	TOTAL FILT- RAHLE RESIDUE (MG/L)	DIS- SOLVED SOLIDS (TONS PER AC-FT)	TOTAL NON- FILT- RAHLE RESIDUE (MG/L)	HARD- NESS (CA+MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)
SEP.. 1974									
12...	.94	2.4	.06	692	--	.94	--	--	--
OCT.									
24...	.47	2.1	.08	17200	18000	23.4	44	3000	2900
NOV.									
27...	.35	1.6	.04	11200	--	15.2	--	--	--
DEC.									
12...	.52	2.3	.04	14800	--	20.1	--	--	--
JAN.. 1975									
22...	.70	3.1	.04	1480	--	2.01	--	500	470
FEB.									
12...	.43	1.9	.04	5900	--	8.02	--	--	--
MAR.									
04...	.52	2.3	.04	2760	--	3.75	--	460	440
MAY									
07...	.69	3.1	.11	1250	--	1.70	--	--	--
JUNE									
05...	.42	1.9	.06	3090	--	4.20	--	--	--

DATE	SOL- CLFIC CON- DUCT- ANCE (MICRO- MOS)	PH	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	DIS- SOLVED OXYGEN (MG/L)	CHEM- ICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	FECAL COLI- FORM (COL. PER 100 ML)	STREP- TOCOCCI (COL- ONIES PER 100 ML)
SEP.. 1974										
12...	--	--	26.0	--	20	5.4	260	--	223	203
OCT.										
24...	5400	--	21.0	7	20	6.2	940	--	84	1650
NOV.										
27...	5000	7.5	12.0	--	3	10.2	240	--	--	--
DEC.										
12...	5000	7.4	10.0	--	4	11.4	590	--	840	8120
JAN.. 1975										
22...	3000	6.9	10.5	50	8	10.4	200	5.4	8100	820
FEB.										
12...	7200	7.4	17.0	--	10	10.2	260	--	88	820
MAR.										
04...	3750	6.3	17.0	25	10	8.5	190	24	320	880
MAY										
07...	2125	6.5	22.5	--	35	8.4	16	--	47	440
JUNE										
05...	5000	6.3	27.0	--	15	7.3	190	--	290	700

02481675 - ST. LOUIS BAY AT HWY 90 AT BAY ST. LOUIS, MISS.--CONTINUED

WATER QUALITY DATA

DATE	TOTAL ORGANIC CARBON (C) (UG/L)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	TOTAL ARSENIC (AG) (UG/L)	TOTAL ARSENIC IN BOTTOM MA- TERIAL (UG/G)	TOTAL MERCURY (MG) (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)	SUS- PENDE D SELE- NIUM (MG/L)
SEP.. 1974										
12...	5.8	--	--	--	--	--	--	--	--	76
OCT..										
24...	1.8	0	3	1	0	.2	.0	0	0	--
NOV..										
27...	15	--	--	--	--	--	--	--	--	--
DEC..										
18...	16	--	--	--	--	--	--	--	--	20
JAN.. 1975										
22...	5.5	3	0	0	--	.3	--	0	--	13
FEB..										
12...	2.9	--	--	--	--	--	--	--	--	69
APR..										
08...	1.8	2	0	0	--	.0	--	0	--	18
MAY..										
07...	4.1	--	--	--	--	--	--	--	--	--
JUNE..										
05...	11	--	--	--	--	--	--	--	--	--

SPECTROGRAPHIC ANALYSES

DATE	DIS- SOLVED SILICA (SI02) (MG/L)	TOTAL IRON (FE) (UG/L)	TOTAL IRON IN BOTTOM MA- TERIAL (UG/G)	TOTAL MANG- NESE IN BOTTOM MA- TERIAL (MG/L)	TOTAL MANGA- NESE IN BOTTOM MA- TERIAL (UG/G)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	TOTAL MAG- NE- SIUM (MG) (UG/L)	SUS- PENDE D MAG- NE- SIUM (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG/L)	TOTAL CAD- MIUM (CD) (UG/L)	TOTAL CADMIUM IN BOTTOM MA- TERIAL (UG/G)
OCT.. 1974											
24...	2.5	1500	86	260	<10	200	200	.0	600	1	<10
JAN.. 1975											
22...	5.5	340	--	35	--	35	--	--	99	0	--
APR..											
08...	5.5	490	--	70	--	34	--	--	92	0	--

DATE	TOTAL CHRO- MIUM (CR) (UG/L)	TOTAL MILUM 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 LEAD (PB) (UG/L)	TOTAL LEAD IN BOTTOM MA- TERIAL (UG/G)	TOTAL ZINC (ZN) (UG/L)	TOTAL ZINC IN BOTTOM MA- TERIAL (UG/G)
OCT.. 1974										
24...	10	<10	0	<10	28	<10	5	<10	30	<10
JAN.. 1975										
22...	10	--	0	--	42	--	2	--	20	--
APR..										
08...	<10	--	0	--	5	--	8	--	110	--

PESTICIDE ANALYSES

DATE	TOTAL ALDRIN (UG/L)	TOTAL CHLOR- DANE (UG/L)	TOTAL DDO (UG/L)	TOTAL DDE (UG/L)	TOTAL DDT (UG/L)	TOTAL DIT- AZINON (UG/L)	TOTAL DI- FLORIN (UG/L)	TOTAL ENDRIN (UG/L)
OCT.. 1974								
24...	--	--	--	--	--	--	--	--
JAN.. 1975								
22...	.00	.0	.00	.00	.00	.00	.00	.00
APR..								
08...	.00	.0	.00	.00	.00	.00	.00	.00

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

02481675 - ST. LOUIS RAY AT HWY 90 AT RAY ST. LOUIS, MISS.--CONTINUED

PESTICIDE ANALYSES

DATE	TOTAL ETHION (UG/L)	TOTAL HEPTA- CHLOR (UG/L)	TOTAL HEPTA- CHLOR EPCXIDE (UG/L)	TOTAL LINDANE (UG/L)	TOTAL MALA- THION (UG/L)	TOTAL METHYL PARA- THION (UG/L)	TOTAL METHYL TRI- THION (UG/L)	TOTAL PARA- THION (UG/L)	TOTAL PCB (UG/L)
OCT., 1974									
24...	--	--	--	--	--	--	--	--	--
JAN., 1975									
22...	.00	.00	.00	.00	.00	.00	.00	.00	.0
APR.									
08...	.00	.00	.00	.00	.00	.00	.00	.00	.0

DATE	TOTAL TOX- APHENE (UG/L)	TOTAL TRI- THION (UG/L)	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)
OCT., 1974								
24...	--	--	.00	0	.00	0	.00	0
JAN., 1975								
22...	0	.00	.00	--	.00	--	.00	--
APR.								
08...	0	.00	.03	--	.02	--	.00	--

RADIOCHEMICAL ANALYSES

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)
OCT., 1974						
24...	<150	3.2	200	2.0	160	1.7

PEARL RIVER BASIN

02482550 - PEARL RIVER NEAR CARTHAGE, MISS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTANTANEOUS DIS- CHARGE (CFS)	BICARBONATE (HCO ₃) (MG/L)	CARBONATE (CO ₃) (MG/L)	ALKALINITY AS CaCO ₃ (MG/L)	DIS- SOLVED SULFATE (SO ₄) (MG/L)	DIS- SOLVED CHLORIDE (CL) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)
OCT. 30...	0900	199	17	0	14	4.4	7.5	.10	.02	.36	.38
NOV. 25...	1000	742	--	--	--	--	--	.08	.09	.54	.63
DEC. 10...	0945	2460	--	--	--	--	--	.05	.01	.61	.62
JAN. 15...	0930	14100	5	--	4	4.4	3.6	.02	.03	.46	.49
APR. 15...	1030	5290	9	0	7	3.9	3.5	.06	.06	.50	.56
MAY 06...	1700	4370	--	--	--	--	--	.13	.15	.64	.79
JUNE 12...	1120	2420	--	--	--	--	--	.20	.11	.99	1.1

DATE	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO ₃) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L)	TOTAL FILT- RABLE RESIDUE (MG/L)	DIS- SOLVED SOLIDS (TONS PER AC-FT)	DIS- SOLVED SOLIDS (TONS PER DAY)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	HARD- NESS (CA+MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)
OCT. 30...	.48	2.1	.07	50	45	.07	26.9	25	16	2
NOV. 25...	.71	3.1	.08	51	--	.07	102	--	--	--
DEC. 10...	.67	3.0	.11	37	--	.05	246	--	--	--
JAN. 15...	.51	2.3	.06	20	--	.03	761	--	9	5
APR. 15...	.62	2.7	.10	44	--	.06	627	--	11	3
MAY 06...	.92	4.1	.09	53	--	.07	625	--	--	--
JUNE 12...	1.3	5.9	.31	57	--	.08	372	--	--	--

DATE	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)	CHEM- ICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L)	CARBON DIOXIDE (CO ₂) (MG/L)
OCT. 30...	56	6.0	18.0	60	20	7.2	12	27
NOV. 25...	53	6.8	13.0	--	30	9.8	10	--
DEC. 10...	48	5.4	7.0	--	40	10.1	24	--
JAN. 15...	40	6.1	7.5	100	40	9.4	28	6.4
APR. 15...	30	5.6	14.0	110	35	14.1	18	36
MAY 06...	63	5.5	20.0	--	55	8.9	24	--
JUNE 12...	40	6.4	23.0	--	70	6.5	200	--

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

02442550 - PEARL RIVER NEAR CARTHAGE, MISS.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	FFCAL COLT- FORM (COL. PFG 100 ML)	STWFO- TOCNOCCI (COL- ONES PFG 100 ML)	UNCOR- RECTED PERI- PHYTON CHLORO- PHYLL A MG/SQ M	UNCOR- RECTED PERI- PHYTON CHLORO- PHYLL B MG/SQ M	PERI- PHYTON BIOMASS ASH WEIGHT G/SQ M	PERI- PHYTON BIOMASS DRY WEIGHT G/SQ M	TOTAL ORGANIC CARBON (C) (MG/L)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)
OCT. 30...	844	844	--	--	--	--	7.7	0	3
NOV. 25...	--	--	.5	.7	6.2	9.2	16	--	--
DEC. 10...	--	--	--	--	--	--	6.6	--	--
JAN. 15...	250	4130	--	--	--	--	15	2	0
APR. 15...	440	784	--	--	--	--	9.2	0	0
MAY 06...	3300	5300	.1	.1	.60	.70	15	--	--
JUNE 12...	81600	760	--	--	--	--	8.8	--	--

DATE	TOTAL ARSENIC (AS) (UG/L)	TOTAL ARSENIC 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)	SUS- PENDE SEDI- MENT (MG/L)	SUS- PENDE SEDI- MENT CHARGE (T/DAY)
OCT. 30...	2	0	.0	.0	0	0	25	13
NOV. 25...	--	--	--	--	--	--	46	92
DEC. 10...	--	--	--	--	--	--	46	306
JAN. 15...	0	--	.0	--	0	--	33	1260
APR. 15...	2	--	.1	--	1	--	--	--
MAY 06...	--	--	--	--	--	--	--	--
JUNE 12...	--	--	--	--	--	--	123	804

SPECTROGRAPHIC ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

	DIS- SOLVED SILICA (SiO2)	TOTAL IRON (FF)	TOTAL IRON IN BOTTOM MA- TERIAL	TOTAL MANGA- NESE IN BOTTOM MA- TERIAL	DIS- SOLVED CAL- CIUM (CA)	TOTAL MAG- NESIUM (MG)	SUS- PENDE MAG- NE- SIUM (MG)	DIS- SOLVED MAG- NE- SIUM (MG)	TOTAL CAD- MIUM (CD)	TOTAL CADMIUM IN BOTTOM MA- TERIAL	
DATE	(MG/L)	(UG/L)	(UG/G)	(UG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(UG/L)	(UG/G)	
OCT. 30...	11	2000	210	270	10	4.7	1.2	.2	1.0	0	<10
JAN. 15...	6.0	1600	--	90	--	2.4	--	--	.8	0	--
APR. 15...	5.7	2800	--	110	--	2.5	--	--	1.1	0	--

DATE	TOTAL CHRO- MIUM (CR) (UG/L)	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 LEAD (PB) (UG/L)	TOTAL LEAD IN BOTTOM MA- TERIAL (UG/G)	TOTAL ZINC (ZN) (UG/L)	TOTAL ZINC IN BOTTOM MA- TERIAL (UG/G)
OCT. 30...	<10	<10	1	<10	2	<10	1	<10	5	<10
JAN. 15...	10	--	0	--	1	--	6	--	0	--
APR. 15...	<10	--	1	--	3	--	2	--	0	--

02482550 - PEARL RIVER NEAR CARTRIDGE, MISS.--CONTINUED

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

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)
OCT. 30...	.00	.0	.0	0	.00	.3	.00	.3	.00	.0	.00
JAN. 15...	.00	--	.0	--	.00	--	.00	--	.00	--	.00
APR. 15...	.00	--	.0	--	.00	--	.00	--	.00	--	.00

DATE	DI- AZINON IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DI- ELORIN (UG/L)	DI- ELORIN 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)
OCT. 30...	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0
JAN. 15...	--	.00	--	.00	--	.00	--	.00	--	.00	--
APR. 15...	--	.00	--	.00	--	.00	--	.00	--	.00	--

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 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)
OCT. 30...	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0	.0
JAN. 15...	.00	--	.00	--	.00	--	.00	--	.00	--	.0
APR. 15...	.00	--	.00	--	.00	--	.00	--	.00	--	.0

DATE	PCR 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)
OCT. 30...	0	0	0	.00	.0	.00	0	.00	0	.00	0
JAN. 15...	--	0	--	.00	--	.00	--	.00	--	.00	--
APR. 15...	--	0	--	.00	--	.04	--	.00	--	.00	--

RADIOCHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

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)
OCT. 30...	<.7	<.8	3.8	2.0	3.1	1.8

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

[illegible]

02485601 - PEARL RIVER AT BARNETT RE NEAR JACKSON, MISS.--CONTINUED

SPECTROGRAPHIC ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	DIS- SOLVED SILICA (SiO ₂) (MG/L)	TOTAL IRON (FE) (UG/L)	TOTAL IRON IN BOTTOM MA- TERIAL (UG/G)	TOTAL MAN- GANESE (MN) (UG/L)	TOTAL MANGA- NESE IN BOTTOM MA- TERIAL (UG/G)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	TOTAL MAG- NE- SIUM (MG) (MG/L)	SUS- PENDED MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	TOTAL CAD- MIUM (CD) (UG/L)	TOTAL CADMIUM IN BOTTOM MA- TERIAL (UG/G)
NOV. 01...	7.3	630	4400	120	0	5.4	1.1	.0	2.8	1	<10
JAN. 07...	6.9	1900	--	130	--	4.1	--	--	4.8	0	--

DATE	TOTAL CHRO- MIUM (CR) (UG/L)	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 LEAD (PB) (UG/L)	TOTAL LEAD IN BOTTOM MA- TERIAL (UG/G)	TOTAL ZINC (ZN) (UG/L)	TOTAL ZINC IN BOTTOM MA- TERIAL (UG/G)
NOV. 01...	10	<10	1	<10	1	<10	3	<10	10	<10
JAN. 07...	20	--	1	--	22	--	2	--	0	--

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

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)
NOV. 01...	.00	.0	.0	0	.00	.0	.00	.0	.00	.0	<.01
JAN. 07...	.00	--	.0	--	.00	--	.00	--	.00	--	.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)
NOV. 01...	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0
JAN. 07...	--	.00	--	.00	--	.00	--	.00	--	.00	--

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 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)
NOV. 01...	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0	.0
JAN. 07...	.00	--	.00	--	.00	--	.00	--	.00	--	.0

DATE	PCR 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. 01...	0	0	0	.00	.0	.03	0	.00	0	.00	0
JAN. 07...	--	0	--	.00	--	.00	--	.00	--	.00	--

RADIOCHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

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)
NOV. 01...	<.4	.9	3.8	.8	3.0	.7

02486500 - PEARL RIVER NR BYRAM, MISS

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTANTANEOUS DIS- CHARGE (CFS)	BICARBONATE (HCO ₃) (MG/L)	CARBONATE (CO ₃) (MG/L)	ALKALINITY AS CaCO ₃ (MG/L)	DIS- SOLVED SULFATE (SO ₄) (MG/L)	DIS- SOLVED CHLORIDE (CL) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)
OCT. 29...	1300	1010	25	0	21	7.3	7.5	.09	.54	.76	1.3
NOV. 27...	1030	4640	--	--	--	--	--	.04	.09	.48	.57
DEC. 09...	1200	9380	--	--	--	--	--	.15	.12	.65	.77
JAN. 17...	1000	21300	3	--	2	13	3.3	.07	.08	.45	.53
FEB. 05...	0945	9560	--	--	--	--	--	.11	.10	.60	.70
APR. 17...	1600	13000	6	0	5	13	3.8	.11	.07	.63	.70
MAY 05...	1600	13900	--	--	--	--	--	.10	.07	.60	.67
JUNE 10...	0945	3150	--	--	--	--	--	.25	.34	.86	1.2

DATE	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO ₃) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L)	TOTAL FILT- RABLE RESIDUE (MG/L)	DIS- SOLVED SOLIDS (TONS PER AC-FT)	DIS- SOLVED SOLIDS (TONS PER DAY)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	HARD- NESS (CA+MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)
OCT. 29...	1.4	6.2	.33	54	54	.07	147	35	22	1
NOV. 27...	.61	2.7	.14	48	--	.07	601	--	--	--
DEC. 09...	.92	4.1	.17	54	--	.07	1370	--	--	--
JAN. 17...	.60	2.7	.06	28	--	.04	1610	--	14	12
FEB. 05...	.81	3.6	.15	48	--	.07	1240	--	--	--
APR. 17...	.81	3.6	.11	59	--	.08	2070	--	14	9
MAY 05...	.77	3.4	.08	56	--	.08	2100	--	--	--
JUNE 10...	1.5	6.4	.29	83	--	.11	706	--	--	--

DATE	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)	CARBON DIOXIDE (CO ₂) (MG/L)	FECAL COLI- FORM (COL. PER 100 ML)	STREP- TOCOCCI (COL- UNIES PER 100 ML)	TOTAL ORGANIC CARBON (C) (MG/L)
OCT. 29...	78	6.2	19.5	10	20	4.2	20	25	86000	640	9.2
NOV. 27...	64	6.8	12.0	--	20	10.1	14	--	--	--	16
DEC. 09...	64	4.9	8.8	--	50	10.6	20	--	--	--	7.5
JAN. 17...	65	5.3	8.5	100	40	11.5	28	24	850	260	7.2
FEB. 05...	58	4.2	13.0	--	40	10.6	10	--	720	4700	13
APR. 17...	50	5.5	17.0	140	40	12.2	12	30	820	153	7.4
MAY 05...	61	6.1	22.0	--	40	8.5	22	--	8780	81100	10
JUNE 10...	85	6.7	24.5	--	60	6.0	22	--	10000	6000	13

02486500 - PEARL RIVER NR BYRAM, MISS--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	TOTAL ARSENIC (UG/L)	TOTAL ARSENIC IN BOTTOM MA- TERIAL (UG/G)	TOTAL MERCURY (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)	SUS- PENDE SEDI- MENT (MG/L)	SUS- PENDE SEDIMENT DIS- CHARGE (T/DAY)
OCT. 29...	2	4	2	1	.1	.0	0	0	48	131
NOV. 27...	--	--	--	--	--	--	--	--	80	1000
DEC. 09...	--	--	--	--	--	--	--	--	86	2180
JAN. 17...	2	0	0	--	.0	--	0	--	19	1090
FEB. 05...	--	--	--	--	--	--	--	--	76	1960
APR. 17...	0	0	1	--	.0	--	1	--	--	--
MAY 05...	--	--	--	--	--	--	--	--	92	3450
JUNE 10...	--	--	--	--	--	--	--	--	--	--

SPECTROGRAPHIC ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	DIS- SOLVED SILICA (SI02) (MG/L)	TOTAL IRON (FE) (UG/L)	TOTAL IRON IN BOTTOM MA- TERIAL (UG/G)	TOTAL MANGA- NESE IN BOTTOM MA- TERIAL (UG/G)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	TOTAL MAG- NE- SIUM (MG) (MG/L)	SUS- PENDE MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	TOTAL CAD- MIUM (CD) (UG/L)	TOTAL CADMIUM IN BOTTOM MA- TERIAL (UG/G)
OCT. 29...	7.8	950	900	150	40	7.5	1.1	.4	.7	1
JAN. 17...	7.1	1800	--	130	--	3.5	--	--	1.3	0
APR. 17...	5.4	2600	--	100	--	3.5	--	--	1.3	1

DATE	TOTAL CHRO- MIUM (CR) (UG/L)	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 LEAD (PB) (UG/L)	TOTAL LEAD IN BOTTOM MA- TERIAL (UG/G)	TOTAL ZINC (ZN) (UG/L)	TOTAL ZINC IN BOTTOM MA- TERIAL (UG/G)
OCT. 29...	<10	<10	1	<10	4	<10	3	10	20	20
JAN. 17...	10	--	1	--	2	--	10	--	0	--
APR. 17...	<10	--	0	--	0	--	4	--	20	--

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

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)
OCT. 29...	.00	.0	.0	14	.00	3.4	.00	2.8	.00	3.6	.00
JAN. 17...	.00	--	.0	--	.00	--	.00	--	.00	--	.00
APR. 17...	.00	--	.0	--	.00	--	.00	--	.00	--	.00

02496500 - PEARL RIVER NR BYRAM, MISS--CONTINUED

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	DT- AZINON IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DT- ELDRIN (UG/L)	DT- 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)
OCT. 29...	.0	<.01	4.6	.00	.0	.00	.0	.00	.0	.00	.5
JAN. 17...	--	.00	--	.00	--	.00	--	.00	--	.00	--
APR. 17...	--	.00	--	.00	--	.00	--	.00	--	.00	--

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 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)
OCT. 29...	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0	.0
JAN. 17...	.00	--	.00	--	.00	--	.00	--	.00	--	.0
APR. 17...	.00	--	.00	--	.00	--	.00	--	.00	--	.0

DATE	PCB 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)
OCT. 29...	56	0	0	.00	.0	.02	0	.00	0	.00	0
JAN. 17...	--	0	--	.00	--	.00	--	.00	--	.01	--
APR. 17...	--	0	--	.00	--	.01	--	.00	--	.00	--

RADIOCHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

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 SR90 /Y90 (PC/L)	SUS- PENDED GROSS BETA AS SR90 /Y90 (PC/L)
OCT. 29...	<.5	2.5	4.0	1.6	3.2	1.4

02487000 - PEARL RIVER NEAR GEORGETOWN, MISS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTANTANEOUS DIS- CHARGE (CFS)	BICARBONATE (HCO ₃) (MG/L)	CARBONATE (CO ₃) (MG/L)	ALKALINITY AS CaCO ₃ (MG/L)	DIS- SOLVED SULFATE (SO ₄) (MG/L)	DIS- SOLVED CHLORIDE (CL) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)
OCT. 29...	1000	1440	19	0	16	6.6	7.3	.36	.27	.53	.80
NOV. 27...	0900	5800	--	--	--	--	--	.13	.08	.50	.58
DEC. 09...	1030	19000	--	--	--	--	--	.11	.10	.61	.71
JAN. 09...	1400	16400	8	--	7	13	3.7	.09	.14	.75	.89
FEB. 05...	1230	9400	--	--	--	--	--	.13	.12	.79	.91
APR. 17...	1400	10000	10	0	8	13	3.5	.09	.06	.59	.65
MAY 05...	1430	19900	--	--	--	--	--	.12	.08	.68	.76
JUNE 10...	1100	5300	--	--	--	--	--	.36	.17	1.0	1.2

DATE	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO ₃) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L)	TOTAL FILT- RABLE RESIDUE (MG/L)	DIS- SOLVED SOLIDS (TONS PER AC-FT)	DIS- SOLVED SOLIDS (TONS PER DAY)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	HARD- NESS (CA+MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)
OCT. 29...	1.2	5.1	.20	60	49	.08	233	21	17	1
NOV. 27...	.71	3.1	.19	39	--	.05	611	--	--	--
DEC. 09...	.82	3.6	.19	54	--	.08	2980	--	--	--
JAN. 09...	.98	4.3	.14	55	--	.07	2440	--	20	14
FEB. 05...	1.0	4.6	.23	45	--	.06	1140	--	--	--
APR. 17...	.74	3.3	.11	52	--	.07	1400	--	17	9
MAY 05...	.88	3.9	.09	56	--	.08	3010	--	--	--
JUNE 10...	1.6	6.9	.21	66	--	.09	944	--	--	--

DATE	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- CORAL) UNITS)	TUR- BID- ITY (JTU)	DIS- SOLVED OXYGEN (MG/L)	CHEM- ICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L)	CARBON DIOXIDE (CO ₂) (MG/L)	FECAL COLI- FORM (COL. PER 100 ML)	STREP- TOCOCCI (COL- ONIES PER 100 ML)	UNCOR- RECTED PERI- PHYTON CHLORO- PHYLL A MG/SQ M	UNCOR- RECTED PERI- PHYTON CHLORO- PHYLL B MG/SQ M
OCT. 29...	70	6.1	18.5	20	10	5.9	22	24	196	108	--	--
NOV. 27...	72	6.8	12.0	--	40	9.4	20	--	--	--	--	--
DEC. 09...	68	4.8	9.2	--	60	10.0	16	--	--	--	--	--
JAN. 09...	65	5.7	12.5	200	40	9.5	36	26	700	2800	.1	.2
FEB. 05...	66	5.6	14.0	--	80	9.5	10	--	940	7900	--	--
APR. 17...	50	5.6	15.0	130	45	10.9	19	40	140	360	--	--
MAY 05...	60	5.8	21.0	--	55	7.9	24	--	81500	82400	--	--
JUNE 10...	75	7.1	24.0	--	150	6.2	20	--	1900	3000	--	--

02497000 - PEARL RIVER NEAR GEORGETOWN, MISS.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TOTAL ORGANIC CARBON (C) (MG/L)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	TOTAL ARSENIC (AS) (UG/L)	TOTAL ARSENIC IN BOTTOM MA- TERIAL (UG/G)	TOTAL MERCURY (HG) (UG/L)	TOTAL MERCURY IN BOTTOM MA- TERIAL (UG/G)	TOTAL SELE- NIUM (SF) (UG/L)	TOTAL SELE- NIUM IN BOTTOM MA- TERIAL (UG/G)	SUS- PENDE SEDI- MENT (MG/L)	SUS- PENNE SEDI- MENT DIS- CHARGE (T/DAY)
OCT. 29...	6.5	0	3	2	1	.0	.0	0	0	38	148
JAN. 27...	6.8	--	--	--	--	--	--	--	--	126	1970
JUN. 09...	4.7	--	--	--	--	--	--	--	--	116	5950
JUN. 09...	11	5	0	3	--	.0	--	0	--	78	3450
FEB. 08...	10	--	--	--	--	--	--	--	--	75	1900
APR. 17...	9.2	0	0	1	--	.0	--	1	--	--	--
JULY 05...	14	--	--	--	--	--	--	--	--	112	6020
JULY 10...	17	--	--	--	--	--	--	--	--	226	3230

SPECTROGRAPHIC ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

	DIS- SOLVED SILICA (SiO2) (MG/L)	TOTAL IRON (FE) (UG/L)	TOTAL IRON IN BOTTOM MA- TERIAL (UG/G)	TOTAL MANG- NESE IN BOTTOM MA- TERIAL (UG/G)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	TOTAL MAG- NE- SIUM (MG) (UG/L)	SUS- PENDE MAG- NE- SIUM (MG) (UG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (UG/L)	TOTAL CAD- MIUM (CD) (UG/L)	TOTAL CADMIUM IN BOTTOM MA- TERIAL (UG/G)	
OCT. 29...	8.0	720	540	140	30	5.6	1.1	.4	.7	0	<10
JAN. 27...	6.4	2900	--	230	--	5.7	--	--	1.5	1	--
APR. 17...	5.4	3000	--	130	--	4.6	--	--	1.3	0	--

DATE	TOTAL CHRO- MIUM (CR) (UG/L)	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 LEAD (PB) (UG/L)	TOTAL LEAD IN BOTTOM MA- TERIAL (UG/G)	TOTAL ZINC (ZN) (UG/L)	TOTAL ZINC IN BOTTOM MA- TERIAL (UG/G)
OCT. 29...	<10	<10	1	<10	4	<10	2	<10	10	<10
JAN. 27...	<10	--	3	--	4	--	9	--	10	--
APR. 17...	<10	--	0	--	0	--	8	--	20	--

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

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)
OCT. 29...	.00	.0	.0	0	.00	.4	.00	.2	.00	.0	.03
JAN. 27...	.00	--	.0	--	.00	--	.00	--	.00	--	.00
APR. 17...	.00	--	.0	--	.00	--	.00	--	.00	--	.00

DATE	DI- AZINON IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DI- AZINON (UG/L)	DI- FLUTHIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DI- FLUTHIN (UG/L)	ENDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ENDRIN (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)
OCT. 29...	.3	<.01	.1	.00	.0	.00	.0	.00	.0	.00	.0
JAN. 27...	--	.00	--	.00	--	.00	--	.00	--	.00	--
APR. 17...	--	.00	--	.00	--	.00	--	.00	--	.00	--

02487000 - PEARL RIVER NEAR GEORGETOWN, MISS.--CONTINUED

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

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 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)
OCT. 29...	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0	.0
JAN. 09...	.00	--	.00	--	.00	--	.00	--	.00	--	.0
APR. 17...	.00	--	.00	--	.00	--	.00	--	.00	--	.0

DATE	PCB 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)
OCT. 29...	0	0	0	.00	.0	.02	0	.00	0	.00	0
JAN. 09...	--	0	--	.00	--	.00	--	.00	--	.00	--
APR. 17...	--	0	--	.00	--	.02	--	.01	--	.00	--

RADIOCHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

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)
OCT. 29...	<.5	.4	3.9	2.3	3.1	2.1

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

02488500 - PEARL RIVER NEAR MONTICELLO, MISS.

WATER QUALITY DATA

DATE	TIME	INSTANTANEOUS DIS- CHARGE (CFS)	BICARBONATE (HCO ₃) (MG/L)	CARBONATE (CO ₃) (MG/L)	ALKALINITY AS CaCO ₃ (MG/L)	DIS- SOLVED SULFATE (SO ₄) (MG/L)	DIS- SOLVED CHLORIDE (CL) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJEL- DAHL NITROGEN (N) (MG/L)
SEP., 1974											
12...	1300	2600	--	--	--	--	--	.33	.13	1.2	1.3
OCT.											
25...	1630	1020	24	0	23	16	5.9	.35	.14	.24	.38
NOV.											
29...	0945	4230	--	--	--	--	--	.14	.15	.69	.85
DEC.											
16...	1230	3300	--	--	--	--	--	.15	.08	.61	.69
JAN., 1975											
13...	1600	29200	9	--	7	11	4.3	.08	.07	.75	.82
FEB.											
13...	1300	11000	--	--	--	--	--	.13	.12	.69	.81
APR.											
07...	1200	7810	14	0	11	10	4.3	.15	.08	.56	.64
MAY											
06...	1230	27300	--	--	--	--	--	.13	.09	.73	.82
JUNE											
06...	1200	3270	--	--	--	--	--	.26	.08	.51	.59

DATE	TOTAL NITROGEN (N) (MG/L)	TOTAL NITROGEN (NO ₃) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	DIS- SOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	TOTAL FILT- RABLE RESIDUE (MG/L)	DIS- SOLVED SOLIDS (TONS PER AC-FT)	DIS- SOLVED SOLIDS (TONS PER DAY)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	HARD- NESS (CA+MG) (MG/L)	NON- CARBONATE HARD- NESS (MG/L)
SEP., 1974										
12...	1.6	7.2	.51	77	--	.10	541	--	--	--
OCT.										
25...	.73	3.2	.13	86	74	.12	237	20	18	0
NOV.										
29...	.99	4.4	.14	64	--	.09	731	--	--	--
DEC.										
16...	.84	3.7	.12	50	--	.07	445	--	--	--
JAN., 1975										
13...	.90	4.0	.13	33	--	.04	2600	--	17	10
FEB.										
13...	.94	4.2	.13	57	--	.08	1690	--	--	--
APR.										
07...	.79	3.5	.02	52	--	.07	1100	--	14	2
MAY										
06...	.95	4.2	.12	24	--	.04	2060	--	--	--
JUNE										
06...	.85	3.8	.11	77	--	.10	680	--	--	--

DATE	SPECIFIC CONDUCTANCE (MICRO- MHOS)	PH (UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM- COBALT UNITS)	TURBIDITY (JTU)	DIS- SOLVED OXYGEN (MG/L)	CHEMICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L)	CARBON DIOXIDE (CO ₂) (MG/L)	FECAL COLIFORM (COL. PER 100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)	TOTAL ORGANIC CARBON (C) (MG/L)
SEP., 1974											
12...	80	6.0	25.3	--	200	5.5	16	--	5500	0	15
OCT.											
25...	90	6.5	17.0	80	10	7.5	12	14	822	812	8.2
NOV.											
29...	68	5.4	11.0	--	30	9.8	6	--	--	--	7.5
DEC.											
16...	70	6.3	10.0	--	40	11.2	15	--	780	1240	5.0
JAN., 1975											
13...	58	6.1	11.0	100	50	9.4	31	11	2100	2500	7.7
FEB.											
13...	42	5.8	12.0	--	20	9.2	21	--	--	--	12
APR.											
07...	40	5.8	15.0	110	45	9.4	23	36	81500	190	12
MAY											
06...	40	5.6	21.0	--	45	6.8	20	--	81	81200	9.1
JUNE											
06...	70	6.1	26.0	--	25	6.6	30	--	147	194	14

0248500 - PEARL RIVER NEAR MONTICELLO, MISS.

WATER QUALITY DATA

DATE	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	TOTAL ARSENIC (AS) (UG/L)	TOTAL ARSENIC IN BOTTOM MA- TERIAL (UG/G)	TOTAL MERCURY (HG) (UG/L)	TOTAL MERCURY IN BOTTOM MA- TERIAL (UG/G)	TOTAL SELE- NIUM (SF) (UG/L)	TOTAL SELE- NIUM IN BOTTOM MA- TERIAL (UG/G)	SUS- PENDE SEDI- MENT DIS- CHARGE (T/DAY)	SUS- PENDE SEDI- MENT DIS- CHARGE (T/DAY)
SEP.. 1974										
12...	--	--	--	--	--	--	--	--	44	309
OCT..										
25...	0	3	2	0	.1	.0	0	0	14	39
NOV..										
29...	--	--	--	--	--	--	--	--	84	959
DEC..										
16...	--	--	--	--	--	--	--	--	89	793
JAN.. 1975										
13...	1	0	2	--	.0	--	0	--	85	6700
FEB..										
13...	--	--	--	--	--	--	--	--	104	3090
MAR..										
07...	1	0	1	--	.0	--	0	--	117	2470
MAY..										
06...	--	--	--	--	--	--	--	--	--	--
JUNE										
06...	--	--	--	--	--	--	--	--	--	--

SPECTROGRAPHIC ANALYSES

DATE	DIS- SOLVED SILICA (STO2) (MG/L)	TOTAL IRON (FE) (UG/L)	TOTAL IRON IN BOTTOM MA- TERIAL (UG/G)	TOTAL MANGA- NESE IN BOTTOM MA- TERIAL (UG/G)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	TOTAL MAG- NE- SIUM (MG) (MG/L)	SUS- PENDE MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	TOTAL CAD- MIUM (CD) (UG/L)	TOTAL CADMIUM IN BOTTOM MA- TERIAL (UG/G)
OCT.. 1974										
25...	9.8	670	390	170	40	5.4	1.2	.0	1.2	0
JAN.. 1975										
13...	6.3	2600	--	160	--	4.5	--	--	1.4	0
MAR..										
07...	7.3	2600	--	130	--	3.6	--	--	1.1	0

DATE	TOTAL CHRO- MIUM (CR) (UG/L)	TOTAL CHRO- MIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL COBAL- T (CO) (UG/L)	TOTAL COBAL- T IN BOTTOM MA- TERIAL (UG/G)	TOTAL COPPER (CU) (UG/L)	TOTAL COPPER IN BOTTOM MA- TERIAL (UG/G)	TOTAL LEAD (PB) (UG/L)	TOTAL LEAD IN BOTTOM MA- TERIAL (UG/G)	TOTAL ZINC (ZN) (UG/L)	TOTAL ZINC IN BOTTOM MA- TERIAL (UG/G)
OCT.. 1974										
25...	<10	<10	0	<10	42	<10	4	<10	10	<10
JAN.. 1975										
13...	10	--	2	--	3	--	5	--	10	--
MAR..										
07...	<10	--	0	--	3	--	4	--	0	--

PESTICIDE ANALYSES

DATE	TOTAL ALDRIN (UG/L)	TOTAL ALDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL CHLOR- DANE (UG/L)	TOTAL CHLOR- DANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDD (UG/L)	TOTAL DDD IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDE (UG/L)	TOTAL DDE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDT (UG/L)	TOTAL DDT IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DI- AZINON (UG/L)
OCT.. 1974											
25...	.00	.0	.0	0	.00	.6	.00	.6	.00	.3	.02
JAN.. 1975											
13...	.00	--	.0	--	.00	--	.00	--	.00	--	.00
MAR..											
07...	.00	--	.0	--	.00	--	.00	--	.00	--	.00

02488500 - PEARL RIVER NEAR MONTICELLO, MISS.--CONTINUED

PESTICIDE ANALYSES

DATE	DI- AZINON IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DT- 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)
OCT.. 1974											
25...	.0	<.01	.1	.00	.0	.00	.0	.00	.0	.00	.0
JAN.. 1975											
13...	--	.00	--	.00	--	.00	--	.00	--	.00	--
APR.											
07...	--	.00	--	.00	--	.00	--	.00	--	.00	--

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 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 PCH (UG/L)
OCT.. 1974											
25...	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0	.0
JAN.. 1975											
13...	.00	--	.00	--	.00	--	.00	--	.00	--	.0
APR.											
07...	.00	--	.00	--	.00	--	.00	--	.00	--	.0

DATE	PCR 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)
OCT.. 1974											
25...	0	0	0	.00	.0	.04	0	.00	0	.00	0
JAN.. 1975											
13...	--	0	--	.00	--	.02	--	.00	--	.01	--
APR.											
07...	--	0	--	.00	--	.02	--	.00	--	.00	--

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 CY90 (PC/L)	SUS- PENDED GROSS BETA AS CY90 (PC/L)
OCT.. 1974						
25...	<.6	.7	3.8	1.2	3.1	1.1

02489000 - PEARL RIVER NEAR COLUMBIA, MISS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTAN- TANEOUS DIS- CHARGE (CFS)	BICAR- BONATE (HCO ₃) (MG/L)	CAR- BONATE (CO ₃) (MG/L)	ALKA- LINITY AS CACO ₃ (MG/L)	DIS- SOLVED SULFATE (SO ₄) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)
OCT. 25...	1330	2240	19	0	16	9.0	9.0	.33	.23	.46	.69
NOV. 29...	1300	6470	--	--	--	--	--	.17	.08	.50	.58
DEC. 16...	1100	12400	--	--	--	--	--	.14	.05	.46	.51
JAN. 13...	1400	31900	5	--	4	8.9	3.8	.07	.06	.71	.77
FEB. 13...	1600	12300	--	--	--	--	--	.15	.08	.88	.96
APR. 07...	0906	11900	13	0	11	7.7	3.7	.17	.08	.50	.58
MAY 06...	1430	27300	--	--	--	--	--	.13	.07	.69	.76
JUNE 06...	1330	6610	--	--	--	--	--	.27	.03	.60	.63

DATE	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO ₃) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L)	TOTAL FILT- RABLE RESIDUE (MG/L)	DIS- SOLVED SOLIDS (TONS PER AC-FT)	DIS- SOLVED SOLIDS (TONS PER DAY)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	HARD- NESS (CA+MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)
OCT. 25...	1.0	4.5	.23	61	57	.08	369	30	18	2
NOV. 29...	.75	3.3	.12	53	--	.07	426	--	--	--
DEC. 16...	.65	2.9	.09	66	--	.09	2210	--	--	--
JAN. 13...	.84	3.7	.11	32	--	.04	2750	--	15	11
FEB. 13...	1.1	4.9	.09	56	--	.08	1860	--	--	--
APR. 07...	.75	3.3	.01	48	--	.07	1540	--	11	1
MAY 06...	.89	3.9	.14	50	--	.07	3690	--	--	--
JUNE 06...	.90	4.0	.14	72	--	.10	1290	--	--	--

DATE	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	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)	CARBON DIOXIDE (CO ₂) (MG/L)	FECAL COLI- FORM (COL. PER 100 ML)	STREP- TOCOCCI (COL- ONIES PER 100 ML)	TOTAL ORGANIC CARBON (C) (MG/L)
OCT. 25...	--	6.0	18.0	50	10	8.8	10	30	400	844	8.6
NOV. 29...	62	6.1	12.0	--	30	10.4	22	--	--	--	5.6
DEC. 16...	70	6.1	10.0	--	30	11.6	21	--	190	435	5.2
JAN. 13...	43	6.0	11.0	100	50	9.2	22	8.4	1800	2800	7.5
FEB. 13...	31	5.7	12.9	--	20	9.2	18	--	--	--	7.3
APR. 07...	37	6.1	14.8	110	45	8.9	23	17	370	873	8.0
MAY 06...	28	5.9	21.0	--	35	7.0	20	--	382	85600	8.5
JUNE 06...	55	5.8	27.0	--	25	7.3	--	--	420	1200	11

02489000 - PEARL RIVER NEAR COLUMBIA, MISS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	TOTAL ARSENIC (AS) (UG/L)	TOTAL ARSENIC IN BOTTOM MA- TERIAL (UG/G)	TOTAL MERCURY (MG) (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)	SUS- PENDE SEDI- MENT (MG/L)	SUS- PENDE SEDI- MENT DIS- CHARGE (T/DAY)
OCT. 25...	0	4	1	1	.0	.1	0	0	26	157
NOV. 29...	--	--	--	--	--	--	--	--	80	1400
DEC. 16...	--	--	--	--	--	--	--	--	42	1410
JAN. 13...	1	0	3	--	.0	--	0	--	66	5670
FEB. 13...	--	--	--	--	--	--	--	--	100	3320
APR. 07...	0	0	1	--	.0	--	0	--	129	4150
MAY 06...	--	--	--	--	--	--	--	--	--	--
JUNE 06...	--	--	--	--	--	--	--	--	--	--

SPECTROGRAPHIC ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	DIS- SOLVED SILICA (SI02) (MG/L)	TOTAL IRON (FE) (UG/L)	TOTAL IRON IN BOTTOM MA- TERIAL (UG/G)	TOTAL MANG- NESE IN BOTTOM MA- TERIAL (UG/G)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	TOTAL MAG- NE- SIUM (MG) (MG/L)	SUS- PENDE MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	TOTAL CAD- MIUM (CD) (UG/L)	TOTAL CADMIUM IN BOTTOM MA- TERIAL (UG/G)
OCT. 25...	9.6	820	760	160	110	5.4	1.2	.2	1.0	1
JAN. 13...	5.6	2000	--	120	--	3.6	--	--	1.4	0
APR. 07...	6.9	3100	--	120	--	3.0	--	--	.9	0

DATE	TOTAL CHRO- MIUM (CR) (UG/L)	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 LEAD (PB) (UG/L)	TOTAL LEAD IN BOTTOM MA- TERIAL (UG/G)	TOTAL ZINC (ZN) (UG/L)	TOTAL ZINC IN BOTTOM MA- TERIAL (UG/G)
OCT. 25...	<10	<10	0	<10	25	<10	3	40	10	<10
JAN. 13...	<10	--	0	--	3	--	4	--	10	--
APR. 07...	<10	--	0	--	4	--	6	--	5	--

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

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)
OCT. 25...	.00	.0	.0	7	.00	2.5	.00	.3	.00	.0	.02
JAN. 13...	.00	--	.0	--	.00	--	.00	--	.00	--	.00
APR. 07...	.00	--	.0	--	.00	--	.00	--	.00	--	.00

02489000 - PEARL RIVER NEAR COLUMBIA, MISS.--CONTINUED

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

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)
OCT. 25...	.0	<.01	2.7	.00	.0	.00	.0	.00	.0	.00	.0
JAN. 13...	--	.00	--	.00	--	.00	--	.00	--	.00	--
APR. 07...	--	.00	--	.00	--	.00	--	.00	--	.00	--

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 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)
OCT. 25...	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0	.0
JAN. 13...	.00	--	.00	--	.00	--	.00	--	.00	--	.0
APR. 07...	.00	--	.00	--	.00	--	.00	--	.00	--	.0

DATE	PCB 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)
OCT. 25...	6	0	0	.00	.0	.03	0	.00	0	.00	0
JAN. 13...	--	0	--	.00	--	.00	--	.00	--	.01	--
APR. 07...	--	0	--	.00	--	.02	--	.00	--	.00	--

RADIOCHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

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 SP90 /Y90 (PC/L)	SUS- PENDED GROSS BETA AS SP90 /Y90 (PC/L)
OCT. 25...	<.4	<.8	3.5	<1.0	2.8	<.9

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

02490900 - ROGUE CHITTO NEAR LEHR, MISS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTAN- TANEOUS DIS- CHARGE (CFS)	BICARB- ONATE (HCO ₃) (MG/L)	CAR- BONATE (CO ₃) (MG/L)	ALKA- LITY AS CACO ₃ (MG/L)	DIS- SOLVED SULFATE (SO ₄) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)
OCT. 25...	1500	250	9	0	7	.3	9.9	.09	.01	.10	.11
NOV. 29...	1130	250	--	--	--	--	--	.17	.03	.46	.49
DEC. 16...	1000	580	--	--	--	--	--	.19	.01	.31	.32
JAN. 13...	1230	7500	5	--	4	4.0	5.9	.08	.02	.61	.63
FEB. 13...	1445	--	--	--	--	--	--	.14	.01	.37	.38
APR. 07...	1330	--	9	0	7	2.7	6.5	.19	.01	.21	.22
MAY 06...	1100	--	--	--	--	--	--	.15	.05	.60	.65
JUNE 06...	1000	--	--	--	--	--	--	.15	.05	.15	.20

DATE	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO ₃) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L)	TOTAL FILT- RABLE RESIDUE (MG/L)	DIS- SOLVED SOLIDS (TONS PER AC-FT)	DIS- SOLVED SOLIDS (TONS PER DAY)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	HARD- NESS (CA+MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)
OCT. 25...	.20	.89	.01	23	45	.03	15.5	4	11	4
NOV. 29...	.66	2.9	.05	41	--	.06	27.7	--	--	--
DEC. 16...	.51	2.3	.05	62	--	.04	97.1	--	--	--
JAN. 13...	.71	3.1	.09	19	--	.03	385	--	11	7
FEB. 13...	.52	2.3	.03	32	--	.04	--	--	--	--
APR. 07...	.41	1.8	.01	42	--	.06	--	--	10	3
MAY 06...	.80	3.5	.12	44	--	.06	--	--	--	--
JUNE 06...	.35	1.6	.03	42	--	.06	--	--	--	--

DATE	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)	CHEM- ICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L)	CARBON DIOXIDE (CO ₂) (MG/L)	FECAL COLI- FORM (COL. PER 100 ML)	STREP- TOCOCCI (COL- UNIES PER 100 ML)	TOTAL ORGANIC CARBON (C) (MG/L)
OCT. 25...	51	6.2	17.5	7	2	10.4	4	9.1	812	820	8.5
NOV. 29...	55	5.7	11.5	--	8	11.1	18	--	--	--	2.8
DEC. 16...	54	6.2	11.0	--	20	10.0	19	--	625	895	2.3
JAN. 13...	37	6.1	9.5	100	40	10.8	24	6.4	1066	666	6.8
FEB. 13...	40	5.0	15.5	--	2	10.4	6	--	--	--	6.9
APR. 07...	30	5.8	16.0	48	15	9.6	13	23	170	86	3.7
MAY 06...	30	5.8	20.5	--	30	7.5	20	--	221	85200	6.4
JUNE 06...	52	5.7	23.0	--	5	8.3	16	--	470	580	12

02490901 - ROGUE CHITTO NEAR LEHR, MISS.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	TOTAL ARSENIC (AS) (UG/L)	TOTAL ARSENIC IN BOTTOM MA- TERIAL (UG/G)	TOTAL MERCURY (MG) (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)	SUS- PENDE SEDI- MENT DIS- CHARGE (T/DAY)	SUS- PENDE SEDI- MENT DIS- CHARGE (T/DAY)
OCT. 25...	0	1	1	0	.0	.0	0	0	8	5.4
NOV. 29...	--	--	--	--	--	--	--	--	18	12
DEC. 16...	--	--	--	--	--	--	--	--	25	39
JAN. 13...	2	0	2	--	.1	--	0	--	134	2710
FEB. 13...	--	--	--	--	--	--	--	--	--	--
APR. 07...	2	0	0	--	.0	--	0	--	24	--
MAY 06...	--	--	--	--	--	--	--	--	--	--
JUNE 06...	--	--	--	--	--	--	--	--	--	--

SPECTROGRAPHIC ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	DIS- SOLVED SILICA (SiO2) (MG/L)	TOTAL IRON (FE) (UG/L)	TOTAL IRON IN BOTTOM MA- TERIAL (UG/G)	TOTAL MANGA- NESE (MN) (UG/L)	TOTAL MANGA- NESE IN BOTTOM MA- TERIAL (UG/G)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	TOTAL MAG- NE- SIUM (MG) (MG/L)	SUS- PENDE MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	TOTAL CAD- MIUM (CD) (UG/L)	TOTAL CADMIUM IN BOTTOM MA- TERIAL (UG/G)
OCT. 25...	12	330	250	56	20	3.4	1.1	.4	.7	0	<10
JAN. 13...	5.2	1900	--	140	--	2.7	--	--	1.1	0	--
APR. 07...	9.3	950	--	80	--	2.7	--	--	.8	0	--

DATE	TOTAL CHRO- MIUM (CR) (UG/L)	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 LEAD (PB) (UG/L)	TOTAL LEAD IN BOTTOM MA- TERIAL (UG/G)	TOTAL ZINC (ZN) (UG/L)	TOTAL ZINC IN BOTTOM MA- TERIAL (UG/G)
OCT. 25...	<10	<10	0	<10	34	<10	4	<10	9	<10
JAN. 13...	<10	--	0	--	2	--	4	--	20	--
APR. 07...	<10	--	0	--	1	--	2	--	0	--

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

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 DDO (UG/L)	DDO 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)
OCT. 25...	.00	.0	.0	0	.00	.4	.00	.6	.00	.0	<.01
JAN. 13...	.00	--	.0	--	.00	--	.00	--	.00	--	.00
APR. 07...	.00	--	.0	--	.00	--	.00	--	.00	--	.00

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

02490900 - ROGUE CHITTO NEAR LEHR, MISS.--CONTINUED

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

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)
OCT. 25...	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0
JAN. 13...	--	.00	--	.00	--	.00	--	.00	--	.00	--
APR. 07...	--	.00	--	.00	--	.00	--	.00	--	.00	--

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 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)
OCT. 25...	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0	.0
JAN. 13...	.00	--	.00	--	.00	--	.00	--	.00	--	.0
APR. 07...	.00	--	.00	--	.00	--	.00	--	.00	--	.0

DATE	PCR 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)
OCT. 25...	0	0	0	.00	.0	.01	0	.00	0	.00	0
JAN. 13...	--	0	--	.00	--	.00	--	.00	--	.00	--
APR. 07...	--	0	--	.00	--	.00	--	.00	--	.00	--

RADIOCHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

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)
OCT. 25...	<.5	<.4	1.8	<.5	1.4	<.5

02492502 - HOBOLOCHITTO C. NR. PICAYUNE, MISS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	BICARBONATE (HCO ₃) (MG/L)	CARBONATE (CO ₃) (MG/L)	ALKALINITY AS CaCO ₃ (MG/L)	DIS- SOLVED SULFATE (SO ₄) (MG/L)	DIS- SOLVED CHLORIDE (CL) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)
OCT. 24...	2100	20	0	16	5.1	15	.01	.01	.30	.31
NOV. 26...	1645	--	--	--	--	--	.04	.06	.58	.74
DEC. 17...	1500	--	--	--	--	--	.03	.01	.45	.46
JAN. 22...	1330	9	--	7	4.3	13	.07	.03	.45	.48
FEB. 12...	1315	--	--	--	--	--	.07	.01	.33	.34
APR. 07...	1600	13	0	11	3.1	5.8	.09	.02	.25	.27
MAY 06...	0735	--	--	--	--	--	.08	.04	.67	.71
JUNE 06...	0800	--	--	--	--	--	.08	.06	.21	.27

DATE	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO ₃) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L)	TOTAL FILT- RABLE RESIDUE (MG/L)	DIS- SOLVED SOLIDS (TONS PER AC-FT)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	HARD- NESS (CA+MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)
OCT. 24...	.32	1.4	.05	56	50	.08	11	12	0
NOV. 26...	.78	3.5	.04	40	--	.05	--	--	--
DEC. 17...	.49	2.2	.04	53	--	.07	--	--	--
JAN. 22...	.55	2.4	.03	22	--	.03	--	9	2
FEB. 12...	.41	1.8	.02	50	--	.07	--	--	--
APR. 07...	.36	1.6	.00	44	--	.06	--	9	0
MAY 06...	.79	3.5	.05	32	--	.04	--	--	--
JUNE 06...	.35	1.6	.05	65	--	.09	--	--	--

DATE	SPECIFIC CONDUCTANCE (MICRO- MHOS)	PH (UNITS)	TEMPERATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TURBIDITY (JTU)	DIS- SOLVED OXYGEN (MG/L)	CHEMICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L)	CARBON DIOXIDE (CO ₂) (MG/L)	FECAL COLIFORM (COL. PER 100 ML)	STREPTOCOCCI (COL- ONIES PER 100 ML)
OCT. 24...	60	5.9	18.0	30	6	6.1	10	40	858	226
NOV. 26...	45	5.5	12.5	--	10	9.7	28	--	--	--
DEC. 17...	40	5.2	10.5	--	20	9.7	30	--	81220	8800
JAN. 22...	55	5.8	11.5	60	10	10.2	16	23	820	820
FEB. 12...	38	5.6	16.0	--	5	8.7	16	--	812	825
APR. 07...	22	5.7	17.0	60	10	8.3	15	42	860	81
MAY 06...	25	6.2	21.5	--	20	6.8	--	--	348	255
JUNE 06...	40	6.5	25.5	--	10	5.8	20	--	390	860

02492502 - HOROLOCHITTO C. NR. PICAYUNE, MISS.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TOTAL ORGANIC CARBON (C) (MG/L)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	TOTAL ARSENIC (AS) (UG/L)	TOTAL ARSENIC IN BOTTOM MA- TERIAL (UG/G)	TOTAL MERCURY (HG) (UG/L)	TOTAL MERCURY IN BOTTOM MA- TERIAL (UG/G)	TOTAL SILICA (SE) (UG/L)	TOTAL SILICA IN BOTTOM MA- TERIAL (UG/G)	SUS- PENDED SEDI- MENT (MG/L)
OCT. 24...	4.0	0	3	4	0	.1	.1	0	0	34
NOV. 26...	7.1	--	--	--	--	--	--	--	--	66
DEC. 17...	10	--	--	--	--	--	--	--	--	35
JAN. 22...	7.7	2	0	0	--	.0	--	0	--	23
FEB. 12...	13	--	--	--	--	--	--	--	--	78
APR. 07...	8.2	0	0	0	--	.0	--	0	--	16
MAY 06...	12	--	--	--	--	--	--	--	--	--
JUNE 06...	12	--	--	--	--	--	--	--	--	--

SPECTROGRAPHIC ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	DIS- SOLVED SILICA (SI02) (MG/L)	TOTAL IRON (FE) (UG/L)	TOTAL IRON IN BOTTOM MA- TERIAL (UG/G)	TOTAL MAN- GANESE (MN) (UG/L)	TOTAL MANGA- NESE IN BOTTOM MA- TERIAL (UG/G)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	TOTAL MAG- NE- SIUM (MG) (MG/L)	SUS- PENDED MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	TOTAL CAD- MIUM (CD) (UG/L)	TOTAL CADMIUM IN BOTTOM MA- TERIAL (UG/G)
OCT. 24...	14	970	170	66	20	3.1	1.0	.0	1.1	0	<10
JAN. 22...	11	700	--	60	--	1.3	--	--	1.4	0	--
APR. 07...	11	940	--	60	--	2.2	--	--	.8	0	--

DATE	TOTAL CHRO- MIUM (CR) (UG/L)	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 LEAD (PB) (UG/L)	TOTAL LEAD IN BOTTOM MA- TERIAL (UG/G)	TOTAL ZINC (ZN) (UG/L)	TOTAL ZINC IN BOTTOM MA- TERIAL (UG/G)
OCT. 24...	<10	<10	0	<10	25	<10	4	10	10	<10
JAN. 22...	20	--	2	--	46	--	2	--	30	--
APR. 07...	<10	--	0	--	1	--	2	--	0	--

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

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)
OCT. 24...	.00	.0	.0	0	.00	.0	.00	.0	.00	.0	.00
JAN. 22...	.00	--	.0	--	.00	--	.00	--	.00	--	.03
APR. 07...	.00	--	.0	--	.00	--	.00	--	.00	--	.00

02492502 - HOROLOCCHITTO C. NR. PICAYUNE, MISS.--CONTINUED

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

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)
OCT. 24...	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0
JAN. 22...	--	.00	--	.00	--	.00	--	.00	--	.00	--
APR. 07...	--	.00	--	.00	--	.00	--	.00	--	.00	--

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 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)
OCT. 24...	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0	.0
JAN. 22...	.00	--	.00	--	.00	--	.00	--	.00	--	.0
APR. 07...	.00	--	.00	--	.00	--	.00	--	.00	--	.0

DATE	PCR 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)
OCT. 24...	0	0	0	.00	.0	.00	0	.00	0	.00	0
JAN. 22...	--	0	--	.00	--	.00	--	.00	--	.00	--
APR. 07...	--	0	--	.00	--	.00	--	.00	--	.00	--

RADIOCHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

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)
OCT. 24...	.5	.8	2.5	.7	2.0	.6

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

HATCHIE RIVER BASIN

07029300 - TUSCUMBIA RIVER CANAL NEAR CORINTH, MISS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTAN- TANEOUS DIS- CHARGE (CFS)	BICAR- BONATE (MG/L)	CAR- BONATE (MG/L)	ALKA- LINIT- AS CA/CO3 (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)
OCT. 22...	1600	65	43	0	35	7.9	17	.51	.06	.38	.44
NOV. 20...	1200	1570	--	--	--	--	--	.16	.06	.72	.78
DEC. 10...	1100	800	--	--	--	--	--	.22	.06	.48	.54
JAN. 21...	1130	3130	14	--	11	6.7	3.2	.15	.05	.56	.61
APR. 16...	0900	275	27	0	22	8.4	6.0	.18	.04	.27	.31
MAY 16...	0830	4500	--	--	--	--	--	.18	.05	.63	.68
JUNE 13...	1000	76	--	--	--	--	--	.51	.06	.35	.41

DATE	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L)	TOTAL FILT- RABLE RESIDUE (MG/L)	DIS- SOLVED SOLIDS (TONS PER AC-FT)	DIS- SOLVED SOLIDS (TONS PER DAY)	TOTAL FILT- RABLE RESIDUE (MG/L)	HARD- NESS (CA, MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)
OCT. 22...	.95	4.2	.23	104	91	.14	18.3	17	65	30
NOV. 20...	.94	4.2	.33	62	--	.08	263	--	--	--
DEC. 10...	.76	3.4	.14	80	--	.11	173	--	--	--
JAN. 21...	.76	3.4	.17	41	--	.06	346	--	17	5
APR. 16...	.49	2.2	.11	57	--	.08	42.3	--	29	7
MAY 16...	.86	3.8	.15	50	--	.07	607	--	--	--
JUNE 13...	.92	4.1	.19	108	--	.15	22.2	--	--	--

DATE	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)	CARBON DIOXIDE (CO2) (MG/L)
OCT. 22...	155	6.9	--	40	10	--	15	8.7
NOV. 20...	75	6.2	15.0	--	90	6.1	28	--
DEC. 10...	105	6.8	4.0	--	50	10.8	19	--
JAN. 21...	62	5.8	4.5	100	90	12.2	22	36
APR. 16...	60	6.5	13.0	55	20	9.7	2	14
MAY 16...	60	7.5	19.0	--	80	7.8	14	--
JUNE 13...	110	7.3	22.0	--	20	8.1	10	--

DATE	FECAL COLI- FORM (COL. PER 100 ML)	STREP- TOCOCCEI (COL- ONIFS PER 100 ML)	UNCOR- RECTED PERI- PHYTON CHLORO- PHYLL A MG/SQ M	UNCOR- RECTED PERI- PHYTON CHLORO- PHYLL B MG/SQ M	PERI- PHYTON BIOMASS ASH G/SQ M	PERI- PHYTON BIOMASS DRY G/SQ M	TOTAL ORGANIC CARBON (C) (MG/L)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)
OCT. 22...	--	--	--	--	--	--	3.3	2	2
NOV. 20...	--	--	--	--	--	--	18	--	--
DEC. 10...	--	--	--	--	--	--	8.2	--	--
JAN. 21...	680	390	--	--	--	--	4.8	4	0
APR. 16...	2138	84	--	--	--	--	4.0	0	0
MAY 16...	6100	215000	.0	.0	.20	.30	10	--	--
JUNE 13...	740	275	--	--	--	--	12	--	--

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

407

07029300 - TUSCUMBEA RIVER CANAL NEAR CORINTH, MISS.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TOTAL ARSENIC (AS) (UG/L)	TOTAL ARSENIC 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)	SUS- PENDE SEDIMENT CHARGE (MG/L)	SUS- PENDE SEDIMENT CHARGE (T/DAY)
OCT. 22...	2	6	.0	.1	0	0	32	5.6
NOV. 20...	--	--	--	--	--	--	64	653
DEC. 10...	--	--	--	--	--	--	80	173
JAN. 21...	2	--	.1	--	0	--	136	1150
APR. 16...	0	--	.1	--	0	--	--	--
MAY 16...	--	--	--	--	--	--	187	2270
JUNE 13...	--	--	--	--	--	--	--	--

SPECTROGRAPHIC ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	DIS- SOLVED SILICA (SiO2) (MG/L)	TOTAL IRON (FE) (UG/L)	TOTAL IRON IN BOTTOM MA- TERIAL (UG/G)	TOTAL MANGANESE (MN) (UG/L)	TOTAL MANGANESE IN BOTTOM MA- TERIAL (UG/G)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	TOTAL MANGANESE (MG) (UG/L)	SUS- PENDE MANGANESE (MG/L)	DIS- SOLVED MANGANESE (MG/L)	TOTAL CADMIUM (CD) (UG/L)	TOTAL CADMIUM IN BOTTOM MA- TERIAL (UG/G)
OCT. 22...	12	1700	1900	250	120	22	2.4	.0	2.5	0	<10
JAN. 21...	4.4	4900	--	85	--	5.6	--	--	.7	0	--
APR. 16...	7.9	2500	--	120	--	9.5	--	--	1.3	0	--

DATE	TOTAL CHROMIUM (CR) (UG/L)	TOTAL CHROMIUM 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 LEAD (PB) (UG/L)	TOTAL LEAD IN BOTTOM MA- TERIAL (UG/G)	TOTAL ZINC (ZN) (UG/L)	TOTAL ZINC IN BOTTOM MA- TERIAL (UG/G)
OCT. 22...	0	<10	5	<10	6	<10	9	<10	20	<10
JAN. 21...	<10	--	1	--	12	--	13	--	20	--
APR. 16...	<10	--	2	--	2	--	3	--	30	--

07029300 - TUSCUMBA RIVER CANAL NEAR CORINTH, MISS.--CONTINUED

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

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)
OCT. 22...	.00	.0	.0	0	.00	22	.00	43	.00	30	.01
JAN. 21...	.00	--	.0	--	.00	--	.00	--	.00	--	.00
APR. 16...	--	--	--	--	--	--	--	--	--	--	.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)
OCT. 22...	.0	.00	1.1	.02	6.7	.00	.0	.00	.0	.00	.0
JAN. 21...	--	.00	--	.01	--	.00	--	.00	--	.00	--
APR. 16...	--	--	--	--	--	.00	--	--	--	--	--

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 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)
OCT. 22...	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0	.0
JAN. 21...	.00	--	.00	--	.00	--	.00	--	.00	--	.0
APR. 16...	--	--	.00	--	.00	--	.00	--	.00	--	--

DATE	PCR 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)
OCT. 22...	25	0	0	.00	.0	.00	0	.00	0	.00	0
JAN. 21...	--	0	--	.00	--	.00	--	.00	--	.00	--
APR. 16...	--	--	--	.00	--	.00	--	.00	--	.00	--

RADIOCHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

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)
OCT. 22...	2.1	.8	4.4	1.2	3.5	1.0

ANALYSIS OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

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HORN LAKE CREEK BASIN

07032300 - HORN LAKE CREEK AT HORN LAKE, MISS.

WATER QUALITY DATA

DATE	TIME	INSTAN- TANEOUS DIS- CHARGE (CFS)	BICARB- ONATE (HCO ₃) (MG/L)	CARB- ONATE (CO ₃) (MG/L)	ALKA- LINITY AS CaCO ₃ (MG/L)	DIS- SOLVED SULFATE (SO ₄) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	DIS- SOLVED FLUO- RIDE (F) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)
SEP., 1974												
24...	0900	--	--	--	--	--	--	--	.75	2.1	2.1	4.2
OCT.												
09...	1330	2.3	47	0	39	9.0	11	.4	--	--	--	--
22...	1200	--	115	0	95	10	19	--	.76	4.8	3.5	8.3
NOV.												
19...	1500	--	--	--	--	--	--	--	.19	.08	2.4	2.5
DEC.												
09...	1500	--	--	--	--	--	--	--	.59	1.9	1.0	2.9
JAN., 1975												
20...	1530	--	44	--	36	12	8.4	--	.25	1.6	2.6	4.2
APR.												
15...	1000	--	33	0	27	8.2	4.7	--	.35	.30	1.1	1.4
MAY												
15...	1000	--	--	--	--	--	--	--	.19	.15	1.7	1.8
JUNE												
12...	1000	--	--	--	--	--	--	--	1.2	.76	2.1	2.9

DATE	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO ₃) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOLVED SOLIDS (RESI- DUCE AT 180 C) (MG/L)	TOTAL FILT- RABLE RESIDUE (MG/L)	DIS- SOLVED SOLIDS (SUM OF CONSTIT- TUENTS) (MG/L)	DIS- SOLVED SOLIDS (TONS PER AC-FT)	DIS- SOLVED SOLIDS (TONS PER DAY)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	HARD- NESS (CA+MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)
SEP., 1974											
24...	5.0	22	.33	104	--	--	.14	--	--	--	--
OCT.											
09...	--	--	--	126	--	93	.17	.81	--	36	0
22...	9.1	40	4.9	166	180	--	.23	--	150	53	0
NOV.											
19...	2.7	12	1.6	76	--	--	.10	--	--	--	--
DEC.											
09...	3.5	15	2.4	131	--	--	.18	--	--	--	--
JAN., 1975											
20...	4.5	20	1.2	71	--	--	.10	--	--	32	0
APR.											
15...	1.8	7.7	.66	64	--	--	.09	--	--	26	0
MAY											
15...	2.0	8.8	.58	36	--	--	.05	--	--	--	--
JUNE											
12...	4.1	19	2.5	172	--	--	.23	--	--	--	--

DATE	SDF- CITIC CON- DUCT- ANCE (MICRO- MHO/S)	PH (UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	DIS- SOLVED OXYGEN (MG/L)	CHEM- ICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L)	CARBON DIOXIDE (CO ₂) (MG/L)	FECAL COLI- FORM (COL. PER 100 ML)	STREP- TOCOCCI (COL- ONIES PER 100 ML)
SEP., 1974										
24...	130	6.5	16.0	--	300	7.1	20	--	6100	2000
OCT.										
09...	150	7.3	17.0	800	--	7.2	--	3.8	--	--
22...	300	6.9	--	200	100	--	32	23	--	--
NOV.										
19...	110	6.5	16.2	--	200	8.5	24	--	--	--
DEC.										
09...	220	7.2	4.5	--	80	11.2	25	--	--	--
JAN., 1975										
20...	140	6.1	6.5	300	100	10.7	33	56	81800	82300
APR.										
15...	60	7.6	11.0	250	150	10.6	11	1.3	1900	1480
MAY										
15...	61	7.9	15.0	--	200	8.2	24	--	8000	22000
JUNE										
12...	205	7.6	23.0	--	230	6.3	20	--	--	--

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

07032300 - HORN LAKE CREEK AT HORN LAKE, MISS.--CONTINUED

WATER QUALITY DATA

DATE	TOTAL ORGANIC CARBON (C) (MG/L)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	TOTAL ARSENIC (AS) (UG/L)	TOTAL ARSENIC 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)	SUS- PENDED SEDI- MENT (MG/L)
SEP.. 1974										
24...	2.2	--	--	--	--	--	--	--	--	314
OCT.										
09...	--	--	--	--	--	--	--	--	--	--
22...	11	13	3	7	29	.1	.2	0	0	154
NOV.										
19...	21	--	--	--	--	--	--	--	--	1368
DEC.										
09...	6.1	--	--	--	--	--	--	--	--	114
JAN.. 1975										
20...	23	20	1	7	--	.1	--	0	--	154
APR.										
15...	17	2	0	4	--	.1	--	0	--	--
MAY										
15...	23	--	--	--	--	--	--	--	--	1716
JUNE										
12...	20	--	--	--	--	--	--	--	--	--

SPECTROGRAPHIC ANALYSES

DATE	DIS- SOLVED SILICA (SiO2) (MG/L)	TOTAL IRON (FE) (UG/L)	DIS- SOLVED IRON (FE) (UG/L)	TOTAL IRON IN BOTTOM MA- TERIAL (UG/G)	TOTAL MAN- GANESE (MN) (UG/L)	TOTAL MANGA- NESE IN BOTTOM MA- TERIAL (UG/G)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	TOTAL MAG- NE- SIUM (MG) (MG/L)	SUS- PENDED MAG- NE- SIUM (MG) (MG/L)
OCT.. 1974									
09...	13	--	1200	--	--	--	8.1	--	--
22...	18	710	--	7200	1100	250	13	5.5	.4
JAN.. 1975									
20...	11	9000	--	--	610	--	6.7	--	--
APR.									
15...	8.7	11000	--	--	590	--	6.0	--	--

DATE	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED SODIUM (NA) (MG/L)	DIS- SOLVED POTAS- SIUM (K) (MG/L)	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO	TOTAL CAD- MIUM (CD) (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)
OCT.. 1974									
09...	3.8	18	5.3	48	1.3	--	--	--	--
22...	5.1	--	--	--	--	0	<10	0	<10
JAN.. 1975									
20...	3.6	--	--	--	--	1	--	<10	--
APR.									
15...	2.7	--	--	--	--	4	--	<10	--

DATE	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 LEAD (PB) (UG/L)	TOTAL LEAD IN BOTTOM MA- TERIAL (UG/G)	TOTAL ZINC (ZN) (UG/L)	TOTAL ZINC IN BOTTOM MA- TERIAL (UG/G)
------	-----------------------------------	--	-----------------------------------	--	---------------------------------	--	---------------------------------	--

OCT.. 1974								
09...	--	--	--	--	--	--	--	--
22...	8	<10	22	<10	12	<10	20	20
JAN.. 1975								
20...	6	--	17	--	20	--	40	--
APR.								
15...	11	--	12	--	15	--	60	--

07032300 - HORN LAKE CREEK AT HORN LAKE, MISS.--CONTINUED

PESTICIDE ANALYSES

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)
OCT.. 1974											
22...	.00	.0	<.1	0	.00	.7	.00	1.0	.00	.0	.08
JAN.. 1975											
20...	.00	--	.0	--	.00	--	.00	--	.00	--	.02
APR..											
15...	.00	--	.0	--	.00	--	.00	--	.00	--	.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)
OCT.. 1974											
22...	.0	<.01	.3	.00	.4	.00	.0	.00	.0	.00	.0
JAN.. 1975											
20...	--	.00	--	.00	--	.00	--	.00	--	.00	--
APR..											
15...	--	.00	--	.00	--	.00	--	.00	--	.00	--

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 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 PCH (UG/L)
OCT.. 1974											
22...	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0	.0
JAN.. 1975											
20...	.00	--	.00	--	.00	--	.00	--	.00	--	.0
APR..											
15...	.00	--	.00	--	.00	--	.00	--	.00	--	.0

DATE	PCR 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)
OCT.. 1974											
22...	0	0	0	.00	.0	.01	0	.00	0	.00	0
JAN.. 1975											
20...	--	0	--	.00	--	.00	--	.00	--	.00	--
APR..											
15...	--	0	--	.00	--	.35	--	.00	--	.06	--

RADIOCHEMICAL ANALYSES

DATE	DIS- SOLVED GROSS ALPHA AS U-NAT. (UG/L)	SUS- PENED GROSS ALPHA AS U-NAT. (UG/L)	DIS- SOLVED GROSS BETA AS CS-137 (PC/L)	SUS- PENED GROSS BETA AS CS-137 (PC/L)	DIS- SOLVED GROSS BETA AS S990 /Y90 (PC/L)	SUS- PENED GROSS BETA AS S990 /Y90 (PC/L)
OCT.. 1974						
22...	<2.3	9.1	9.2	4.3	7.3	3.5

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

YAZOO RIVER BASIN

07273100 - HOTOPHA CREEK NR BATESVILLE, MISS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTAN- TANEOUS DIS- CHARGE (CFS)	BICAR- BONATE (HCO ₃) (MG/L)	CAR- BONATE (CO ₃) (MG/L)	ALKA- LITY AS CACO ₃ (MG/L)	DIS- SOLVED SULFATE (SO ₄) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)
OCT. 10...	0910	7.6	30	0	25	5.5	4.1

DATE	DIS- SOLVED FLUO- RIDE (F) (MG/L)	DIS- SOLVED SOLIDS (RESI- 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)	HARD- NESS (CA+MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)
OCT. 10...	.1	63	56	.09	1.30	27	2

DATE	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	DIS- SOLVED OXYGEN (MG/L)	CARBON DIOXIDE (CO ₂) (MG/L)
OCT. 10...	79	7.0	14.6	20	10.2	4.8

SPECTROGRAPHIC ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	DIS- SOLVED SILICA (SiO ₂) (MG/L)	DIS- SOLVED IRON (FE) (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED SODIUM (NA) (MG/L)	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO
OCT. 10...	14	110	6.3	2.7	6.2	2.0	31	.5

07274000 - YOCOMA RIVER NEAR OXFORD, MISS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTANTANEOUS DIS- CHARGE (CFS)	BICARB- MONATE (MG/L)	CARB- MONATE (MG/L)	ALKA- LINITY AS CACO3 (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)
OCT. 22...	0700	52	26	0	21	4.1	5.2	.39	.01	.36	.37
NOV. 20...	0900	445	--	--	--	--	--	.09	.02	.62	.64
DEC. 10...	0800	586	--	--	--	--	--	.08	.06	.53	.59
JAN. 21...	0800	1230	11	--	9	7.3	3.8	.05	.03	.43	.46
APR. 15...	1700	498	16	0	13	7.5	3.5	.10	.04	.35	.39
MAY 15...	1600	1170	--	--	--	--	--	.13	.07	1.0	1.1
JUNE 12...	1630	1230	--	--	--	--	--	.09	.06	.76	.82

DATE	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L)	TOTAL FILT- RABLE RESIDUE (MG/L)	DIS- SOLVED SOLIDS (TONS PER AC-FT)	DIS- SOLVED SOLIDS (TONS PER DAY)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	HARD- NESS (CA+MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)
OCT. 22...	.76	3.4	.29	80	54	.11	11.2	27	22	1
NOV. 20...	.73	3.2	.18	75	--	.10	90.1	--	--	--
DEC. 10...	.67	3.0	.10	25	--	.03	39.6	--	--	--
JAN. 21...	.51	2.3	.10	32	--	.04	106	--	13	4
APR. 15...	.49	2.2	.08	46	--	.06	61.9	--	16	3
MAY 15...	1.2	5.4	.19	52	--	.07	164	--	--	--
JUNE 12...	.91	4.0	.16	39	--	.05	130	--	--	--

DATE	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)	CHEM- ICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	FECAL COLI- FORM (COL. PER 100 ML)	STREP- TOCOCCI (COL- ONIES PER 100 ML)	TOTAL ORGANIC CARBON (C) (MG/L)
OCT. 22...	80	6.3	--	40	20	--	12	21	--	--	4.0
NOV. 20...	78	6.7	14.0	--	70	9.2	22	--	--	--	6.6
DEC. 10...	70	6.7	3.5	--	50	12.0	25	--	--	--	4.9
JAN. 21...	60	5.7	4.0	100	60	11.7	20	35	510	370	5.5
APR. 15...	45	6.3	16.0	110	40	10.6	8	13	8150	8120	4.5
MAY 15...	55	8.3	19.5	--	100	8.4	18	--	2000	8000	13
JUNE 12...	55	7.7	24.0	--	140	7.6	16	--	--	--	11

07274000 - YOCONA RIVER NEAR OXFORD, MISS.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	TOTAL ARSENIC (AS) (UG/L)	TOTAL ARSENIC 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)	SUS- PENDE SEDI- MENT (MG/L)	SUS- PENDE MENT DIS- CHARGE (T/DAY)
OCT. 22...	0	2	1	3	.0	.1	0	0	371	52
NOV. 20...	--	--	--	--	--	--	--	--	385	463
DEC. 10...	--	--	--	--	--	--	--	--	190	301
JAN. 21...	3	0	0	--	.1	--	0	--	169	561
APR. 15...	0	0	1	--	.1	--	0	--	--	--
MAY 15...	--	--	--	--	--	--	--	--	930	2940
JUNE 12...	--	--	--	--	--	--	--	--	--	--

SPECTROGRAPHIC ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	DIS- SOLVED SILICA (SIO2) (MG/L)	TOTAL IRON (FE) (UG/L)	TOTAL IRON IN BOTTOM MA- TERIAL (UG/G)	TOTAL MAN- GANESE (MN) (UG/L)	TOTAL MANGA- NESE IN BOTTOM MA- TERIAL (UG/G)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	TOTAL MAG- NE- SIUM (MG) (MG/L)	SUS- PENDE MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	TOTAL CAD- MIUM (CD) (UG/L)	TOTAL CADMIUM IN BOTTOM MA- TERIAL (UG/G)
OCT. 22...	13	1500	3500	240	240	5.3	2.0	.0	2.1	0	<10
JAN. 21...	7.7	3700	--	120	--	2.6	--	--	1.5	0	--
APR. 15...	9.2	3000	--	140	--	3.5	--	--	1.7	0	--

DATE	TOTAL CHRO- MIUM (CR) (UG/L)	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 LEAD (PB) (UG/L)	TOTAL LEAD IN BOTTOM MA- TERIAL (UG/G)	TOTAL ZINC (ZN) (UG/L)	TOTAL ZINC IN BOTTOM MA- TERIAL (UG/G)
OCT. 22...	0	<10	5	<10	6	<10	9	<10	30	10
JAN. 21...	10	--	2	--	6	--	5	--	10	--
APR. 15...	<10	--	6	--	3	--	0	--	30	--

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

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)
OCT. 22...	.00	.0	.0	0	.00	5.6	.00	2.6	.00	5.4	.02
JAN. 21...	.00	--	.0	--	.00	--	.00	--	.00	--	.00
APR. 15...	.00	--	.0	--	.00	--	.00	--	.00	--	.00

07274000 - YOCONA RIVER NEAR OXFORD, MISS.

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

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)
OCT. 22...	.0	.00	.6	.00	.7	.00	.0	.00	.0	.00	.0
JAN. 21...	--	.00	--	.00	--	.00	--	.00	--	.00	--
APR. 15...	--	.00	--	.00	--	.00	--	.00	--	.00	--

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 METHYL 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)
OCT. 22...	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0	.0
JAN. 21...	.00	--	.00	--	.00	--	.00	--	.00	--	.0
APR. 15...	.00	--	.00	--	.00	--	.00	--	.00	--	.0

DATE	PCR 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)
OCT. 22...	0	0	0	.00	.0	.00	0	.00	0	.00	0
JAN. 21...	--	0	--	.00	--	.00	--	.00	--	.00	--
APR. 15...	--	0	--	.00	--	.00	--	.00	--	.00	--

RADIOCHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

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)
OCT. 22...	.9	1.3	4.2	1.0	3.3	.9

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

07275500 - LONG CREEK AT COURTLAND, MISS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTAN- TANECLES DIS- CHARGE (CFS)	BICAH- BONATE (HCO3) (MG/L)	CAH- BONATE (CO3) (MG/L)	ALKA- LINITY AS CaCO3 (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)
OCT. 10...	1130	6.5	28	0	23	2.2	6.2

DATE	TIME	DIS- SOLVED FLUOR- IDE (F) (MG/L)	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) (MG/L)	DIS- SOLVED SOLIDS (TONS PER DAY) (MG/L)	NON- CAR- BONATE HARD- NESS (CA+MG) (MG/L)
OCT. 10...	1130	.1	40	55	.05	.75	22

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COHALT UNITS)	DIS- SOLVED OXYGEN (MG/L)	CARBON DIOXIDE (CO2) (MG/L)
OCT. 10...	1130	76	7.0	20.2	7	10.2	4.5

SPECTROGRAPHIC ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	DIS- SOLVED SILICA (SiO2) (MG/L)	DIS- SOLVED IRON (FE) (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED SODIUM (NA) (MG/L)	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO
OCT. 10...	1130	16	40	5.5	2.1	7.4	1.3	40	.7

07277000 - PIGEONHOLE CREEK NEAR LEWISBURG, MISS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTAN- TANECLES DIS- CHARGE (CFS)	BICAH- BONATE (HCO3) (MG/L)	CAH- BONATE (CO3) (MG/L)	ALKA- LINITY AS CaCO3 (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)
OCT. 09...	1230	50	20	0	16	.9	2.9

DATE	TIME	DIS- SOLVED FLUOR- IDE (F) (MG/L)	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) (MG/L)	DIS- SOLVED SOLIDS (TONS PER DAY) (MG/L)	NON- CAR- BONATE HARD- NESS (CA+MG) (MG/L)
OCT. 09...	1230	.0	45	37	.06	11.0	12

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COHALT UNITS)	DIS- SOLVED OXYGEN (MG/L)	CARBON DIOXIDE (CO2) (MG/L)
OCT. 09...	1230	44	6.5	21.2	3	10.1	10

SPECTROGRAPHIC ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	DIS- SOLVED SILICA (SiO2) (MG/L)	DIS- SOLVED IRON (FE) (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED SODIUM (NA) (MG/L)	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO
OCT. 09...	1230	13	50	3.0	1.2	5.1	.7	45	.6

07277200 - CAMP CREEK CANAL NEAR LEWISBURG, MISS

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTAN- TANEOUS DIS- CHARGE (CFS)	BICAR- BONATE (MCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	ALKA- LILITY AS CACO3 (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)
OCT. 09...	1345	.23	19	0	16	43	12
DATE		DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (F) (MG/L)	DIS- SOLVED SOLIDS (SUM OF CONSTI- TUENTS) (MG/L)	DIS- SOLVED SOLIDS (TONS PER AC-FT)	DIS- SOLVED SOLIDS (TONS PER DAY)	HARD- NESS (CA, MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)
OCT. 09...	.2	100	110	.14	.06	44	28
DATE		SPF- CFIC CON- DUCT- ANCE (MICRO- MOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	DIS- SOLVED OXYGEN (MG/L)	CARBON DIOXIDE (CO2) (MG/L)
OCT. 09...	175	6.7	24.0	80	10.3	6.1	

SPECTROGRAPHIC ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	DIS- SOLVED SILICA (SiO2) (MG/L)	DIS- SOLVED IRON (FE) (LG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED SODIUM (NA) (MG/L)	DIS- SOLVED TAS- SIUM (K) (MG/L)	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO
OCT. 09...	9.5	0	11	4.0	17	3.5	43	1.1

07277700 - HICKAHALA CREEK NEAR SENATORIA, MISS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTAN- TANEOUS DIS- CHARGE (CFS)	BICAR- BONATE (MCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	ALKA- LILITY AS CACO3 (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)
OCT. 09...	0345	20	24	0	20	.8	4.0
DATE		DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (F) (MG/L)	DIS- SOLVED SOLIDS (SUM OF CONSTI- TUENTS) (MG/L)	DIS- SOLVED SOLIDS (TONS PER AC-FT)	DIS- SOLVED SOLIDS (TONS PER DAY)	HARD- NESS (CA, MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)
OCT. 09...	.1	20	44	.03	1.13	19	0
DATE		SPF- CFIC CON- DUCT- ANCE (MICRO- MOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	DIS- SOLVED OXYGEN (MG/L)	CARBON DIOXIDE (CO2) (MG/L)
OCT. 09...	49	6.4	13.2	4	10.2	15	

SPECTROGRAPHIC ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	DIS- SOLVED SILICA (SiO2) (MG/L)	DIS- SOLVED IRON (FE) (LG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED SODIUM (NA) (MG/L)	DIS- SOLVED TAS- SIUM (K) (MG/L)	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO
OCT. 09...	14	50	5.0	1.5	5.9	1.0	39	.6

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

07279100 - JOHNSON CREEK NEAR WALLS, MISS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTAN- TANEOUS DIS- CHARGE (CFS)	BICAR- BONATE (HCO ₃) (MG/L)	CAR- BONATE (CO ₃) (MG/L)	ALKA- LINITY AS CACO ₃ (MG/L)	DIS- SOLVED SULFATE (SO ₄) (MG/L)	DIS- SOLVED CHLO- RINE (CL) (MG/L)
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OCT. 09...	1730	.54	159	0	130	4.9	6.9
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DATE	TIME	DIS- SOLVED FLUOR- IDE (F) (MG/L)	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)	HARD- NESS (CA+MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)
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OCT. 09...	.3	141	160	.19	.21	110	0
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DATE	TIME	SPF- CIFIC CON- DUCT- ANCE (MICRO- MHO-S)	PH (UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	DIS- SOLVED OXYGEN (MG/L)	CARBON DIOXIDE (CO ₂) (MG/L)
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OCT. 09...		250	7.9	17.5	30	8.6	3.2
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SPECTROGRAPHIC ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	DIS- SOLVED SILICA (SIO ₂) (MG/L)	DIS- SOLVED IRON (FE) (UG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED SODIUM (NA) (MG/L)	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO
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OCT. 09...	16	170	21	14	15	3.2	22	.6
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07279500 - ARKABUTLA CREEK NEAR ARKABUTLA, MISS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTAN- TANEOUS DIS- CHARGE (CFS)	BICAR- BONATE (HCO ₃) (MG/L)	CAR- BONATE (CO ₃) (MG/L)	ALKA- LINITY AS CACO ₃ (MG/L)	DIS- SOLVED SULFATE (SO ₄) (MG/L)	DIS- SOLVED CHLO- RINE (CL) (MG/L)
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OCT. 09...	1030	7.5	124	0	102	5.7	14
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DATE	TIME	DIS- SOLVED FLUOR- IDE (F) (MG/L)	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)	HARD- NESS (CA+MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)
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OCT. 09...	.2	118	142	.16	2.40	84	0
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DATE	TIME	SPF- CIFIC CON- DUCT- ANCE (MICRO- MHO-S)	PH (UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	DIS- SOLVED OXYGEN (MG/L)	CARBON DIOXIDE (CO ₂) (MG/L)
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OCT. 09...		230	6.5	14.5	7	10.8	63
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SPECTROGRAPHIC ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	DIS- SOLVED SILICA (SIO ₂) (MG/L)	DIS- SOLVED IRON (FE) (UG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED SODIUM (NA) (MG/L)	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO
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OCT. 09...	13	970	14	9.6	18	1.8	31	.9
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ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

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07275647 - STRAYHORN CREEK NEAR SAVAGE, MISS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTAN- TANEOUS DIS- CHARGE (CFS)	BICAR- BONATE (MCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	ALKA- LINEITY AS CACO3 (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)
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OCT. 08...	1600	.86	153	0	126	5.5	6.8
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DATE	TIME	DIS- SOLVED FLUO- RIDE (F) (MG/L)	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)	HARD- NESS (CA+MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)
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OCT. 08...	.2	115	148	.16	.27	110	0
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DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	DIS- SOLVED OXYGEN (MG/L)	CARBON DIOXIDE (CO2) (MG/L)
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OCT. 08...	240	6.8	18.0	6	9.7	39
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SPECTROGRAPHIC ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	DIS- SOLVED SILICA (SIO2) (MG/L)	DIS- SOLVED IRON (FE) (UG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED SODIUM (NA) (MG/L)	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	SODIUM AD- SORP- TION PERCENT SODIUM RATIO
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OCT. 08...	9.7	140	22	13	11	4.4	17	.5
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07275933 - INDIAN CREEK NEAR PLEASANT GROVE, MISS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTAN- TANEOUS DIS- CHARGE (CFS)	BICAR- BONATE (MCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	ALKA- LINEITY AS CACO3 (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)
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OCT. 10...	1000	.04	175	0	144	15	4.7
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DATE	TIME	DIS- SOLVED FLUO- RIDE (F) (MG/L)	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)	HARD- NESS (CA+MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)
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OCT. 10...	.2	179	179	.24	.02	150	5
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DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	DIS- SOLVED OXYGEN (MG/L)	CARBON DIOXIDE (CO2) (MG/L)
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OCT. 10...	240	7.3	16.5	6	8.4	14
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SPECTROGRAPHIC ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	DIS- SOLVED SILICA (SIO2) (MG/L)	DIS- SOLVED IRON (FE) (UG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED SODIUM (NA) (MG/L)	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	SODIUM AD- SORP- TION PERCENT SODIUM RATIO
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OCT. 10...	14	60	33	16	6.4	2.5	4	.2
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07245500 - YALORUSHA RIVER AT GRENADA, MISS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	HICHR- MONATE (MG/L)	CAR- MONATE (MG/L)	ALKA- LINIT- AS (MG/L)	DIS- SOLVED SULFATE (MG/L)	DIS- SOLVED CHLO- RIDE (MG/L)	TOTAL NITRITE PLUS NITRATE (MG/L)	AMMONIA NITRO- GEN (MG/L)	TOTAL ORGANIC NITRO- GEN (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (MG/L)
OCT. 21...	1300	19	0	16	6.9	4.0	.01	.00	.32	.32
NOV. 19...	0800	--	--	--	--	--	.03	.09	.39	.48
DEC. 09...	1030	--	--	--	--	--	.08	.14	.54	.68
JAN. 20...	1030	9	--	7	8.6	4.0	.12	.10	.71	.81
APR. 15...	1500	9	0	7	8.3	3.2	.12	.08	.37	.45
MAY 15...	1430	--	--	--	--	--	.18	.07	.81	.88
JUNF 12...	1500	--	--	--	--	--	.14	.08	.68	.76

DATE	TOTAL NITRO- GEN (MG/L)	TOTAL NITRO- GEN (MG/L)	TOTAL PHOS- PHORUS (MG/L)	DIS- SOLVED SOLIDS (RESI- DUE AT 140 C) (MG/L)	TOTAL FILT- RABLE RESIDUE (MG/L)	DIS- SOLVED SOLIDS (TONS PER AC-FT)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	HARD- NESS (CA+MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)
OCT. 21...	.33	1.5	.03	45	45	.06	19	26	11
NOV. 19...	.51	2.3	.13	48	--	.07	--	--	--
DEC. 09...	.76	3.4	.08	48	--	.07	--	--	--
JAN. 20...	.93	4.1	.16	25	--	.03	--	12	4
APR. 15...	.57	2.5	.09	45	--	.06	--	13	5
MAY 15...	1.1	4.7	.14	44	--	.06	--	--	--
JUNF 12...	.90	4.0	.17	72	--	.10	--	--	--

DATE	COE- FICIENT 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)	CARBON DIOXIDE (CO2) (MG/L)	FECAL COLI- FORM (COL- ONIES PER 100 ML)	STREP- TOCOCCI (COL- ONIES PER 100 ML)	UNCOR- RECTED PERI- PHYTON CHLORO- PHYLL A MG/SQ M
OCT. 21...	70	6.7	--	10	10	--	16	6.1	--	--	--
NOV. 19...	80	7.1	13.2	--	60	10.4	14	--	--	--	--
DEC. 09...	85	7.5	7.0	--	40	11.1	14	--	390	250	--
JAN. 20...	62	5.7	8.0	80	80	12.5	20	29	41510	420	.0
APR. 15...	40	6.5	16.0	130	65	11.4	8	4.6	8100	8100	--
MAY 15...	54	8.4	20.5	--	100	8.8	14	--	2000	2000	--
JUNF 12...	65	7.5	26.0	--	75	7.9	12	--	--	--	--

DATE	UNCOR- RECTED DEFIT- PHYTON CHLORO- PHYLL A MG/SQ M	TOTAL ORGANIC CARBON (C) (MG/L)	PHENOLS (MG/L)	GIL AND GREASE (MG/L)	TOTAL ARSENIC (AS) (UG/L)	TOTAL ARSENIC IN BOTTOM MA- TERIAL (UG/G)	TOTAL MERCURY IN BOTTOM MA- TERIAL (UG/G)	TOTAL SELE- NIUM (SE) (UG/L)	TOTAL SELE- NIUM IN BOTTOM MA- TERIAL (UG/G)	SUS- PENDED SEDI- MENT (MG/L)
OCT. 21...	--	5.1	10	1	1	5	.1	.1	0	68
NOV. 19...	--	4.4	--	--	--	--	--	--	--	135
DEC. 09...	--	3.7	--	--	--	--	--	--	--	149
JAN. 20...	.0	7.0	4	0	1	--	.1	--	0	259
APR. 15...	--	4.5	0	0	1	--	.0	--	0	--
MAY 15...	--	9.0	--	--	--	--	--	--	--	364
JUNF 12...	--	18	--	--	--	--	--	--	--	--

0728500 - YALOHUSHA RIVER AT GRENADA, MISS.--CONTINUED

SPECTROGRAPHIC ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	DIS- SOLVED SILICA (SI02) (MG/L)	TOTAL IRON (FE) (UG/L)	TOTAL IRON IN BOTTOM MA- TERIAL (UG/G)	TOTAL MANGA- NESE IN BOTTOM MA- TERIAL (UG/G)	TOTAL MANGA- NESE IN BOTTOM MA- TERIAL (UG/G)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	TOTAL MAG- NE- SIUM (MG) (MG/L)	SUS- PENDED MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	TOTAL CAD- MIUM (CD) (UG/L)	TOTAL CADMIUM IN BOTTOM MA- TERIAL (UG/G)
OCT. 21...	.6	570	4000	190	240	7.2	1.8	.0	2.0	0	<10
JAN. 20...	7.6	4700	--	220	--	2.5	--	--	1.3	0	--
APR. 15...	6.6	3400	--	50	--	3.5	--	--	1.0	0	--

DATE	TOTAL CHRO- MIUM (CR) (UG/L)	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 LEAD (PB) (UG/L)	TOTAL LEAD IN BOTTOM MA- TERIAL (UG/G)	TOTAL ZINC (ZN) (UG/L)	TOTAL ZINC IN BOTTOM MA- TERIAL (UG/G)
OCT. 21...	0	<10	3	<10	7	<10	8	20	4	20
JAN. 20...	<10	--	0	--	7	--	6	--	20	--
APR. 15...	<10	--	0	--	3	--	0	--	20	--

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

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 ODE (UG/L)	ODE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDT (UG/L)	DDT IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DI- AZINON (UG/L)
OCT. 21...	.00	.0	.0	0	<.01	8.2	.00	8.2	.00	6.9	.00
JAN. 20...	.00	--	.0	--	.00	--	.00	--	.00	--	.00
APR. 15...	.00	--	<.0	--	.00	--	.00	--	.00	--	.00

DATE	DI- AZINON IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DI- ELORIN (UG/L)	DI- ELORIN 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)
OCT. 21...	.0	.00	.4	<.01	.0	.00	.0	.00	.0	.00	.0
JAN. 20...	--	.00	--	.00	--	.00	--	.00	--	.00	--
APR. 15...	--	.00	--	.00	--	.00	--	.00	--	.00	--

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 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)
OCT. 21...	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0	.0
JAN. 20...	.00	--	.00	--	.00	--	.00	--	.00	--	.0
APR. 15...	.00	--	.00	--	.00	--	.00	--	.00	--	.0

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

07285500 - YALOHUSHA RIVER AT GRENADA, MISS.--CONTINUED

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	PCP 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)
OCT. 21...	5	0	0	.00	.0	.07	0	.02	0	.00	0
JAN. 20...	--	0	--	.00	--	.00	--	.00	--	.00	--
APR. 15...	--	0	--	.00	--	.04	--	.00	--	.00	--

RADIOCHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

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)
OCT. 21...	<.7	.6	4.3	1.2	3.4	1.0

072899000 - BIG SUNFLOWER RIVER AT CLARKSDALE, MISS.--CONTINUED

SPECTROGRAPHIC ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

	DIS- SOLVED SILICA (SIO2) (MG/L)	TOTAL IRON (FE) (UG/L)	TOTAL IRON IN BOTTOM MA- TERIAL (UG/G)	TOTAL MAN- GANESE (MN) (UG/L)	TOTAL MANGA- NESE IN BOTTOM MA- TERIAL (UG/G)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	TOTAL MAG- NE- SIUM (MG) (MG/L)	SUS- PENDED MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	TOTAL CAD- MIUM (CD) (UG/L)	TOTAL CADMIUM IN BOTTOM MA- TERIAL (UG/G)
OCT. 21...	.0	810	18000	230	220	49	16	.0	18	0	<10
JAN. 20...	4.9	19000	--	400	--	13	--	--	3.4	1	--
APR. 15...	9.4	6900	--	250	--	36	--	--	10	2	--

DATE	TOTAL CHRO- MIUM (CR) (UG/L)	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 LEAD (PB) (UG/L)	TOTAL LEAD IN BOTTOM MA- TERIAL (UG/G)	TOTAL ZINC (ZN) (UG/L)	TOTAL ZINC IN BOTTOM MA- TERIAL (UG/G)
OCT. 21...	0	<10	8	<10	8	30	9	<10	10	100
JAN. 20...	20	--	8	--	27	--	25	--	90	--
APR. 15...	<10	--	5	--	9	--	10	--	40	--

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TOTAL ALDRIN (UG/L)	TOTAL ALDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL CHLOR- DANE (UG/L)	TOTAL CHLOR- DANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDD (UG/L)	TOTAL DDD IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDE (UG/L)	TOTAL DDE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDT (UG/L)	TOTAL DDT IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DI- AZINON (UG/L)
OCT. 21...	.00	.0	.0	34	.02	120	.00	100	.00	74	.01
JAN. 20...	.00	--	.0	--	.00	--	.03	--	.28	--	.00
APR. 15...	.00	--	.0	--	.00	--	.00	--	.00	--	.00

DATE	DI- AZINON IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DI- AZINON (UG/L)	DI- FLORIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DI- FLORIN (UG/L)	ENDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ENDRIN (UG/L)	ETHION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ETHION (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)
OCT. 21...	.0	.00	21	.01	4.2	.00	.0	.00	.0	.00	.0
JAN. 20...	--	.00	--	.00	--	.00	--	.00	--	.00	--
APR. 15...	--	.00	--	.00	--	.00	--	.00	--	.00	--

DATE	TOTAL LINDANE (UG/L)	TOTAL LINDANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL MALA- THION (UG/L)	TOTAL MALA- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL METHYL PARA- THION (UG/L)	TOTAL METHYL PARA- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL METHYL TRI- THION (UG/L)	TOTAL METHYL TRI- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL PARA- THION (UG/L)	TOTAL PARA- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL PCB (UG/L)
OCT. 21...	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0	.0
JAN. 20...	.00	--	.00	--	.07	--	.00	--	.00	--	.0
APR. 15...	.00	--	.00	--	.00	--	.00	--	.00	--	.0

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTANTANEOUS DIS- CHARGE (CFS)	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)	TOTAL NITRITF PLUS NITRATE (N) (MG/L)	AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)
OCT.											
21...	1600	29	333	0	273	4.3	13	.11	.48	.32	.80
NOV.											
19...	1100	--	--	--	--	--	--	.38	.27	.83	1.1
DEC.											
09...	1300	42	--	--	--	--	--	.17	.45	.62	.87
JAN.											
20...	1300	--	52	--	43	6.2	4.3	.44	.17	1.8	2.0
APR.											
15...	1230	--	154	0	126	8.3	3.7	1.0	.14	.96	1.1
MAY											
15...	1200	--	--	--	--	--	--	1.5	.31	3.9	4.2
JUNE											
12...	1200	--	--	--	--	--	--	1.3	.44	1.7	2.1

DATE	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L)	TOTAL FILT- RABLE RESIDUE (MG/L)	DIS- SOLVED SOLIDS (TONS PER AC-FT)	DIS- SOLVED SOLIDS (TONS PER DAY)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	HARD- NESS (CA+MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)
OCT. 21...	.91	4.0	.17	328	310	.45	25.7	9	200	0
NOV. 19...	1.5	6.6	.45	142	--	.19	--	--	--	--
DEC. 09...	1.0	4.6	.03	254	--	.35	28.8	--	--	--
JAN. 20...	2.4	11	.81	56	--	.08	--	--	46	4
APR. 15...	2.1	9.3	.46	162	--	.22	--	--	130	5
MAY 15...	5.7	25	.92	72	--	.10	--	--	--	--
JUNE 12...	3.4	15	.85	123	--	.17	--	--	--	--

DATE	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COALT UNITS)	TURBIDITY (JTU)	DISSOLVED OXYGEN (MG/L)	CHEMICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	FECAL COLIFORM (COL. PER 100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)	TOTAL ORGANIC CARBON (C) (MG/L)
OCT. 21...	550	7.4	--	7	8	--	12	21	--	--	4.7
NOV. 19...	250	6.9	15.4	--	60	6.4	28	--	--	--	8.3
DEC. 09...	500	7.7	13.0	--	10	7.6	18	--	--	--	3.4
JAN. 20...	120	6.3	9.5	300	200	9.4	22	42	880	500	16
APR. 15...	150	6.3	19.0	110	130	9.6	11	124	1180	3000	--
MAY 15...	118	8.1	24.0	--	200	6.4	18	--	21000	360000	38
JUNE 12...	138	7.4	24.0	--	380	6.1	16	--	--	--	23

[illegible]

072RRR000 - BIG SUNFLOWER RIVER AT CLARKSDALE, MISS.--CONTINUED

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	PCR 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)
OCT. 21...	39	0	0	.00	.0	.00	0	.00	0	.00	0
JAN. 20...	--	3	--	.00	--	.00	--	.00	--	.00	--
APR. 15...	--	1	--	.00	--	.33	--	.07	--	.00	--

RADIOCHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

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)
OCT. 21...	7.7	1.2	6.9	1.1	5.5	1.0

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

07288720 - BIG SUNFLOWER RIVER AT HOLLY BLUFF, MS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTAN- TANEOUS DIS- CHARGE (CFS)	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)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)
JUNE 11...	1430	13800	48	0	39	8.7	2.2	1.5	.05	2.7

DATE	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- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L)	DIS- SOLVED SOLIDS (TONS PER AC-FT)	DIS- SOLVED SOLIDS (TONS PER DAY)	HARD- NESS (CA,MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)
JUNE 11...	2.7	4.2	19	.75	103	.14	3840	51	12

DATE	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COHAIT UNITS)	TUR- BID- ITY (JTU)	DIS- SOLVED OXYGEN (MG/L)	CHEM- ICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L)	CARRON DIOXIDE (CO2) (MG/L)
JUNE 11...	117	6.4	24.5	320	470	4.3	16	31

DATE	TOTAL ORGANIC CARBON (C) (MG/L)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	TOTAL ARSENIC (AS) (UG/L)	TOTAL MERCURY (HG) (UG/L)	TOTAL SELE- NIUM (SE) (UG/L)	SUS- PENDED SOLI- MENT (MG/L)	SUS- PENDED SEDI- MENT DIS- CHARGE (T/DAY)
JUNE 11...	18	2	0	15	.1	1	811	30200

SPECTROGRAPHIC ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	DIS- SOLVED SILICA (SiO2) (MG/L)	TOTAL IRON (FE) (UG/L)	TOTAL MAN- GANESE (MN) (UG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	TOTAL CAD- MIUM (CU) (UG/L)	TOTAL CHRO- MIUM (CR) (UG/L)	TOTAL COBALT (CO) (UG/L)	TOTAL COPPER (CU) (UG/L)	TOTAL LEAD (PB) (UG/L)	TOTAL ZINC (ZN) (UG/L)
JUNE 11...	7.3	30000	390	15	3.4	1	40	8	29	36	120

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

07288720 - BIG SUNFLOWER RIVER AT HOLLY BLUFF, MS.--CONTINUED

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

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)	DDU 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)
JUNE 11...	.00	.0	.0	0	.06	130	.01	39	.14	40	.00
DATE	TOTAL 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)
JUNE 11...	.0	.00.	1.7	.00	.0	.00	.0	.00	.0	.00	.0
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 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)
JUNE 11...	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0	.0
DATE	PCB 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)
JUNE 11...	0	2	0	.00	.0	.02	0	.02	0	.00	0

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

07288900 - STEELE BAYOU NEAR ONWARD, MS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTAN- TANEOUS DIS- CHARGE (CFS)	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)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)
JUNE 11...	1130	7460	21	0	17	3.7	1.1	.64	.27	1.5

DATE	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)	DIS- SOLVED SOLIDS (RESI- DUE 4T 180 C) (MG/L)	DIS- SOLVED SOLIDS (TONS PER AC-FT)	DIS- SOLVED SOLIDS (TONS PER DAY)	HARD- NESS (CA+MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)
JUNE 11...	1.8	2.4	11	.45	65	.09	1310	18	1

DATE	SPE- CIFIC CON- DUCT- ANCE (MICRO- MOS)	PH	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	DIS- SOLVED OXYGEN (MG/L)	CHEM- ICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L)	CARBON DIOXIDE (CO2) (MG/L)
JUNE 11...	53	6.0	22.2	280	350	6.0	16	34

DATE	TOTAL ORGANIC CARBON (C) (MG/L)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	TOTAL ARSENIC (AS) (UG/L)	TOTAL MERCURY (HG) (UG/L)	TOTAL SELF- NIUM (SE) (UG/L)	SUS- PENDE MENT (MG/L)	SUS- PENDE MENT CHARGE (T/DAY)
JUNE 11...	14	1	0	9	.3	1	611	12300

SPECTROGRAPHIC ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	DIS- SOLVED SILICA (SiO2) (MG/L)	TOTAL IRON (FE) (UG/L)	TOTAL MANG- NESE (MN) (UG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	TOTAL CAD- MIUM (CD) (UG/L)	TOTAL CHRO- MIUM (CR) (UG/L)	TOTAL COBALT (CO) (UG/L)	TOTAL COPPER (CU) (UG/L)	TOTAL LEAD (PB) (UG/L)	TOTAL ZINC (ZN) (UG/L)
JUNE 11...	6.0	17000	180	4.8	1.4	1	<10	8	20	24	90

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

07288900 - STEELE BAYOU NEAR ONWARD, MS.--CONTINUED

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

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)
JUNE 11...	.00	.0	.0	0	.00	10	.00	5.4	.09	5.6	.00
DATE	TOTAL DI- AZINON (UG/KG)	DI- AZINON IN BOTTOM MA- TERIAL (UG/L)	TOTAL DI- FLORIN (UG/KG)	DI- FLORIN IN BOTTOM MA- TERIAL (UG/L)	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 IN BOT- TOM MA- TERIAL (UG/KG)
JUNE 11...	.0	.00	.3	.00	.7	.00	.0	.00	.0	.00	.0
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 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)
JUNE 11...	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0	.0
DATE	TOTAL PCB (UG/KG)	PCB IN BOTTOM MA- TERIAL (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)
JUNE 11...	0	2	0	.00	.0	.00	0	.00	0	.00	0

BIG BLACK RIVER BASIN

07249540 - BIG BLACK RIVER NEAR CANTON, MISS.

WATER QUALITY DATA

DATE	TIME	INSTANTANEOUS DIS- CHARGE (CFS)	BICAR- BONATE (MCO3) (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)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)
SEP.. 1974											
09...	1100	400	--	--	--	--	--	.16	.10	.58	.68
OCT.											
29...	1500	185	29	0	24	7.9	35	.04	.01	.40	.41
NOV.											
27...	0930	650	--	--	--	--	--	.08	.03	.78	.81
DEC.											
09...	1445	8500	--	--	--	--	--	.14	.09	1.2	1.3
JAN.. 1975											
09...	1600	20000	8	--	7	8.4	5.2	.01	.02	.65	.67
FEB.											
06...	1445	4600	--	--	--	--	--	.06	.05	.61	.66
APR.											
17...	1100	7020	15	0	12	6.9	6.3	.10	.10	.62	.72
MAY											
06...	1445	24000	--	--	--	--	--	.17	.18	.58	.76
JUNE											
15...	1700	2400	--	--	--	--	--	.34	.06	1.0	1.1

DATE	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L)	TOTAL FILT- RABLE RESIDUE (MG/L)	DIS- SOLVED SOLIDS (TONS PER AC-FT)	DIS- SOLVED SOLIDS (TONS PER DAY)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	HARD- NESS (CA+MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)
SEP.. 1974										
09...	.84	3.7	.16	84	--	.12	96.1	--	--	--
OCT.										
29...	.45	2.0	.13	114	110	.16	59.0	52	43	19
NOV.										
27...	.89	3.9	.16	144	--	.20	278	--	--	--
DEC.										
09...	1.4	6.4	.40	85	--	.12	1970	--	--	--
JAN.. 1975										
09...	.68	3.0	.09	50	--	.07	2700	--	15	9
FEB.										
06...	.72	3.2	.14	57	--	.08	708	--	--	--
APR.										
17...	.92	3.6	.17	55	--	.07	1040	--	13	1
MAY										
06...	.93	4.1	.12	60	--	.08	3890	--	--	--
JUNE										
15...	1.4	6.4	.31	60	--	.08	616	--	--	--

DATE	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COALIT UNITS)	TUR- BID- ITY (JTU)	DIS- SOLVED OXYGEN (MG/L)	CHEM- ICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L)	CARBON DIOXIDE (CO2) (MG/L)
SEP.. 1974								
09...	130	6.5	23.0	--	70	6.9	20	--
OCT.								
29...	185	6.8	19.5	100	40	8.7	12	7.4
NOV.								
27...	225	6.6	10.0	--	60	10.4	16	--
DEC.								
09...	98	5.5	9.0	--	100	9.4	22	--
JAN.. 1975								
09...	62	6.2	10.5	200	40	8.6	22	8.1
FEB.								
06...	55	4.9	11.0	--	60	9.1	8	--
APR.								
17...	50	5.6	13.0	150	75	9.5	19	60
MAY								
06...	61	5.5	21.0	--	75	8.1	24	--
JUNE								
15...	48	6.5	25.0	--	100	6.3	20	--

07289540 - BIG BLACK RIVER NEAR CANTON, MISS.--CONTINUED

WATER QUALITY DATA

DATE	FECAL COLI- FORM (COL. PER 100 ML)	STREP- TCCOCCI (COL- ONIES PER 100 ML)	UNCOR- RECTED PERI- PHYTON CHLORO- PHYLL A MG/SQ M	UNCOR- RECTED PERI- PHYTON CHLORO- PHYLL B MG/SQ M	PERI- PHYTON BIOMASS ASH G/SQ M	PERI- PHYTON BIOMASS DRY WEIGHT G/SQ M	TOTAL ORGANIC CARBON (C) (MG/L)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)
SEP., 1974									
09...	R110	R147	--	--	--	--	5.5	--	--
OCT.									
29...	96	R60	--	--	--	--	8.2	0	2
NOV.									
27...	--	--	--	--	--	--	7.6	--	--
DEC.									
09...	--	--	--	--	--	--	9.3	--	--
JAN., 1975									
08...	80	R120	--	--	--	--	9.8	1	0
FEB.									
06...	--	--	--	--	--	--	7.8	--	--
APR.									
17...	580	770	--	--	--	--	8.0	0	0
MAY									
06...	820	2300	.1	.0	.50	.70	14	--	--
JUNE									
16...	--	--	--	--	--	--	10	--	--

DATE	TOTAL ARSENIC (AS) (UG/L)	TOTAL ARSENIC 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)	SUS- PENDE- MENT (MG/L)	SUS- PENDE- MENT DIS- CHARGE (T/DAY)
SEP., 1974								
09...	--	--	--	--	--	--	126	136
OCT.								
29...	3	5	.0	.1	0	0	77	38
NOV.								
27...	--	--	--	--	--	--	95	177
DEC.								
09...	--	--	--	--	--	--	318	7380
JAN., 1975								
09...	3	--	.0	--	0	--	198	10700
FEB.								
06...	--	--	--	--	--	--	118	1470
APR.								
17...	2	--	.0	--	1	--	--	--
MAY								
06...	--	--	--	--	--	--	153	9910
JUNE								
16...	--	--	--	--	--	--	291	2990

SPECTROGRAPHIC ANALYSES

DATE	DIS- SOLVED SILICA (SiO2) (MG/L)	TOTAL IRON (FE) (UG/L)	TOTAL IRON IN BOTTOM MA- TERIAL (UG/G)	TOTAL MANGA- NESE IN BOTTOM MA- TERIAL (UG/G)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	TOTAL MAG- NE- SIUM (MG) (MG/L)	SUS- PENDE- MENT (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	TOTAL CAD- MIUM (CD) (UG/L)	TOTAL CADMIUM IN BOTTOM MA- TERIAL (UG/G)
OCT., 1974										
29...	15	4100	5000	220	350	13	2.6	.0	2.6	0
JAN., 1975										
09...	8.6	2100	--	81	--	3.9	--	--	1.3	0
APR.										
17...	6.4	5100	--	140	--	3.1	--	--	1.3	1

DATE	TOTAL CHRO- MIUM (CR) (UG/L)	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 LEAD (PB) (UG/L)	TOTAL LEAD IN BOTTOM MA- TERIAL (UG/G)	TOTAL ZINC (ZN) (UG/L)	TOTAL ZINC IN BOTTOM MA- TERIAL (UG/G)
OCT., 1974										
29...	10	<10	3	<10	5	<10	1	10	10	20
JAN., 1975										
09...	<10	--	0	--	7	--	3	--	7	--
APR.										
17...	<10	--	8	--	3	--	10	--	20	--

07289540 - BIG BLACK RIVER NEAR CANTON, MISS.--CONTINUED

PESTICIDE ANALYSES

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)
OCT.. 1974											
29...	.00	.0	.0	0	.00	22	.00	27	.00	14	.00
JAN.. 1975											
09...	.00	--	.0	--	.00	--	.00	--	.00	--	.00
APR..											
17...	.00	--	.0	--	.00	--	.00	--	.00	--	.00

DATE	TOTAL DI- AZINON IN BOTTOM MA- TERIAL (UG/KG)	DI- AZINON IN BOTTOM MA- TERIAL (UG/L)	TOTAL ENDRI- N (UG/L)	ENDRI- N 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)
OCT.. 1974										
29...	.0	.00	.6	.00	.3	.00	.0	.00	.0	.00
JAN.. 1975										
09...	--	.00	--	.00	--	.00	--	.00	--	.00
APR..										
17...	--	.00	--	.00	--	.00	--	.00	--	.00

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 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)
OCT.. 1974											
29...	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0	.0
JAN.. 1975											
09...	.00	--	.00	--	.00	--	.00	--	.00	--	.0
APR..											
17...	.00	--	.00	--	.00	--	.00	--	.00	--	.0

DATE	PCR 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)
OCT.. 1974											
29...	0	0	0	.00	.0	.04	0	.00	0	.00	0
JAN.. 1975											
09...	--	0	--	.00	--	.00	--	.00	--	.00	--
APR..											
17...	--	0	--	.00	--	.19	--	.00	--	.00	--

RADIOCHEMICAL ANALYSES

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)
OCT.. 1974						
29...	<.8	3.0	4.4	2.5	3.5	2.2

LAUREL AREA

An intensive study of the quality of surface waters in the Laurel area was made June 16-20, 1975. Samples were collected at 31 sites on Tallahala and Tallahoma Creeks and their tributaries from 6 miles north of Laurel to 1 mile north of Mahan. Listed below are site locations, results of laboratory analyses, and field determinations made during the study.

DATE	TIME	INSTANTANEOUS DIS- CHARGE (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
02473490 - TALLAHALA CREEK NR SANDERSVILLE, MS. (LAT 31 47 07 LONG 089 04 33)						
JUNE, 1975						
03...	1730	100	165	6.4	23.0	7.5
17...	0605	148	160	6.4	23.0	7.1
17...	0905	148	150	6.3	24.0	6.2
17...	1200	143	160	6.4	24.0	6.8
17...	1500	141	150	6.4	24.0	6.7
17...	1800	139	160	6.5	24.5	6.7
17...	2100	136	130	6.2	24.5	6.5
17...	2345	134	130	6.3	24.5	6.5
18...	0240	132	140	6.4	24.2	6.5
18...	0520	129	150	6.6	24.0	6.1
02473491 - BIG REEDY CREEK NR LAUREL, MS. (LAT 31 45 25 LONG 089 06 50)						
JUNE, 1975						
17...	0615	16	80	5.7	25.5	4.5
17...	0920	16	83	5.7	26.0	4.1
17...	1215	15	85	5.7	27.0	4.9
17...	1510	15	90	5.7	27.0	5.0
17...	1815	14	90	5.7	27.5	5.1
17...	2120	14	90	5.7	27.0	4.2
17...	2400	13	90	5.7	27.0	4.2
18...	0300	12	95	5.7	27.0	4.3
18...	0545	11	100	5.6	26.2	3.9
02473492 - BRUSHY BRANCH AT LAUREL, MS. (LAT 31 44 15 LONG 089 07 28)						
JUNE, 1975						
17...	0645	.87	90	6.3	25.0	5.4
17...	0940	.83	95	6.3	25.0	4.1
17...	1230	.80	100	6.4	25.0	4.2
17...	1515	.80	110	6.4	25.0	3.9
17...	1830	.74	120	6.5	25.0	4.0
17...	2130	.67	120	6.4	25.0	3.4
18...	0010	.61	130	6.4	24.5	3.4
18...	0310	.55	130	6.3	24.5	3.5
18...	0610	.48	140	6.4	24.3	3.7
02473493 - REE BRANCH AT LAUREL, MS. (LAT 31 44 04 LONG 089 07 42)						
JUNE, 1975						
17...	0745	.04	135	6.4	23.0	5.3
17...	0945	.04	130	6.4	24.0	4.3
17...	1230	.04	140	6.3	23.0	3.8
17...	1525	.04	135	6.4	23.0	3.5
17...	1845	.04	135	6.4	23.5	4.6
17...	2145	.04	130	6.3	24.5	4.6
18...	0020	.04	130	6.3	23.7	3.9
18...	0320	.03	130	6.3	23.2	3.2
18...	0625	.03	135	6.4	23.0	3.3
02473495 - TALLAHALA CREEK AT HWY 11 AT LAUREL, MS. (LAT 31 43 18 LONG 089 06 45)						
JUNE, 1975						
17...	0810	168	140	6.5	23.5	7.1
17...	1035	166	145	6.4	23.0	6.6
17...	1325	160	150	6.5	24.5	6.6
17...	1550	156	155	6.5	25.0	6.4
17...	1945	153	155	6.5	25.0	6.3
17...	2250	149	150	6.4	24.0	6.5
18...	0135	146	150	6.4	24.0	6.4
18...	0430	144	150	6.5	24.0	6.3
18...	0745	140	155	6.5	24.0	6.2
02473497 - TALLAHALA CREEK AT HWY 84 AT LAUREL, MS. (LAT 31 41 48 LONG 089 06 32)						
JUNE, 1975						
17...	0730	181	135	6.5	24.0	6.6
17...	1020	179	135	6.5	24.0	6.5
17...	1310	177	140	6.5	24.0	6.6
17...	1550	172	145	6.4	25.0	6.4
17...	1930	168	150	6.4	25.0	6.0
17...	2220	166	150	6.4	24.5	5.9
18...	0120	162	150	6.4	24.3	6.2
18...	0410	159	150	6.4	24.0	6.0
18...	0710	157	165	6.4	24.0	6.1

LAUREL AREA.--CONTINUED

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)
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02473499 - TALLAHALA CREEK TR AT MERIDIAN AVE AT LAUREL, MS (LAT 31 41 40 LONG 089 07 20)

JUNE, 1975

17...	0705	.30	200	6.6	25.0	4.2
17...	1000	.30	185	6.8	27.0	6.2
17...	1300	.30	180	7.2	26.0	3.2
17...	1540	.29	165	8.0	25.0	.9
17...	1900	.28	190	8.0	30.0	6.1
17...	2205	.27	200	6.9	28.0	3.3
18...	0105	.27	210	6.7	26.5	2.1
18...	0340	.27	210	6.7	25.8	2.1
18...	0650	.27	230	6.8	25.0	2.3

02473500 - TALLAHALA CREEK AT LAUREL, MS. (LAT 31 40 50 LONG 089 00 55)

JUNE, 1975

17...	0640	195	130	6.5	22.0	6.0
17...	0940	191	130	6.4	23.0	6.0
17...	1140	188	130	6.4	23.0	7.1
17...	1340	186	135	6.4	23.5	7.8
17...	1625	181	140	6.3	24.0	7.5
17...	2100	175	145	6.3	23.0	6.9
18...	0020	170	150	6.3	23.0	6.4
18...	0320	165	155	6.3	23.0	6.6
18...	0610	160	160	6.3	23.0	6.4
18...	1045	156	149	6.2	24.8	7.0
18...	1400	152	140	6.5	25.0	6.8
18...	1645	148	135	6.5	24.2	6.8
18...	1910	144	139	6.4	23.9	6.6
18...	2100	141	148	6.1	24.3	6.5
18...	2355	139	140	6.4	24.2	6.2
19...	0300	132	139	6.3	24.1	5.5
19...	0600	128	160	6.1	22.0	7.1
19...	0845	125	155	6.2	22.0	6.9
19...	1115	124	155	6.2	22.9	7.5
19...	1455	122	150	6.2	25.2	6.6
19...	1815	120	150	6.2	25.5	6.7
19...	2245	117	160	6.2	24.8	6.6

02473510 - TALLAHALA CREEK TR NO. 3 AT LAUREL, MS. (LAT 31 41 02 LONG 089 07 22)

JUNE, 1975

17...	0630	.28	400	6.7	23.0	3.5
17...	0930	.28	400	6.9	24.0	4.0
17...	1130	.28	425	7.0	25.0	5.5
17...	1330	.28	400	7.1	26.5	6.9
17...	1615	.28	400	7.2	28.0	7.4
17...	2040	.40	400	7.2	26.0	6.0
18...	0005	.30	450	7.1	25.0	3.9
18...	0305	.31	475	7.0	24.0	3.3
18...	0555	.30	475	7.0	23.5	3.0

02473540 - TALLAHALA CREEK NR LAUREL, MS. (LAT 31 40 16 LONG 089 07 23)

JUNE, 1975

17...	0650	215	140	6.3	22.0	5.9
17...	0950	210	140	6.1	23.0	6.0
17...	1150	207	140	6.2	23.5	7.1
17...	1350	204	140	6.3	24.0	7.7
17...	1640	199	145	6.3	24.5	7.7
17...	2125	185	150	6.3	23.0	6.7
18...	0030	189	155	6.3	23.0	6.6
18...	0335	185	165	6.4	23.0	6.5
18...	0630	180	165	6.4	23.0	6.5

LAUREL AREA---CONTINUED

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)
02473600 - TALLAHALA CREEK AT BROWN ST. EXT. AT LAUREL, MS. (LAT 31 39 20 LONG 089 08 22)						
JUNE, 1975						
17...	0700	289	185	6.5	22.5	5.0
17...	1000	284	195	6.5	23.0	4.8
17...	1200	275	200	6.6	24.0	5.6
17...	1400	268	200	6.6	24.5	6.1
17...	1645	264	200	6.6	25.0	6.4
17...	2140	247	205	6.6	23.5	4.9
18...	0050	255	210	6.6	23.0	5.2
18...	0350	246	210	6.6	23.0	5.2
18...	0645	243	215	6.6	23.0	5.1
18...	1100	231	222	6.7	25.0	4.7
18...	1500	226	220	6.8	25.2	4.8
18...	1710	220	202	6.8	25.0	4.9
18...	1940	222	243	6.8	24.2	5.0
18...	2115	218	218	6.7	24.9	4.0
19...	0015	212	220	6.8	24.4	4.3
19...	0320	207	230	6.7	24.1	4.5
19...	0635	200	240	6.6	22.0	5.0
19...	0915	200	240	6.7	23.0	4.8
19...	1145	196	230	6.6	23.2	5.0
19...	1515	185	230	6.4	26.2	4.7
19...	1825	182	235	6.4	26.9	5.0
19...	2345	326	165	6.4	24.8	5.1
02473630 - TALLAHALA CREEK TR NO. 2 AT LAUREL, MS. (LAT 31 39 55 LONG 089 09 22)						
JUNE, 1975						
17...	0750	.34	160	6.4	23.0	5.3
17...	1050	.34	145	6.5	26.5	6.1
17...	1250	.32	140	6.6	28.0	7.2
17...	1450	.32	130	6.6	29.0	7.7
17...	1740	.31	150	6.6	26.5	6.5
17...	2310	.28	145	6.5	23.5	5.3
18...	0215	.31	200	6.4	23.0	4.0
18...	0515	.31	190	6.5	23.0	5.0
18...	0850	.32	165	6.4	24.0	6.8
02474020 - TALLAHOMA CREEK NR SOSO, MS. (LAT 31 46 05 LONG 089 11 14)						
JUNE, 1975						
17...	0730	116	68	6.2	23.5	6.5
17...	1025	111	68	6.1	24.0	7.0
17...	1320	106	70	6.1	25.0	6.8
17...	1625	99	72	6.2	25.0	6.8
17...	2000	93	74	6.3	25.0	6.8
17...	2310	90	76	6.4	24.5	6.5
18...	0145	85	76	6.4	24.5	6.4
18...	0445	80	78	6.3	24.0	6.1
18...	0830	75	78	6.2	24.5	6.4
02474050 - BRUSHY CREEK NR SHADY GROVE, MS. (LAT 31 46 00 LONG 089 12 00)						
JUNE, 1975						
17...	0720	16	50	5.8	23.0	6.0
17...	1010	16	51	5.8	23.5	5.8
17...	1305	16	52	5.8	25.0	5.8
17...	1605	16	52	5.8	25.0	6.0
17...	1945	16	55	5.8	25.0	5.6
17...	2100	16	58	5.7	24.5	5.5
18...	0130	15	56	5.8	24.0	5.1
18...	0435	16	55	5.8	23.5	5.2
18...	0815	16	58	5.8	24.0	5.3
02474090 - TALLAHOMA CREEK NR SHADY GROVE, MS. (LAT 31 44 26 LONG 089 10 52)						
JUNE, 1975						
17...	0710	134	60	5.9	23.5	6.6
17...	1000	128	60	6.1	24.0	6.7
17...	1255	120	62	6.1	25.0	7.0
17...	1600	115	62	6.2	26.0	7.0
17...	1930	109	63	6.2	26.0	7.0
17...	2250	100	65	6.2	25.0	6.7
18...	0120	100	68	6.3	24.5	6.5
18...	0420	95	70	6.2	24.0	6.3
18...	0800	89	72	6.2	24.5	6.6

LAUREL AREA--CONTINUED

DATE	TIME	INSTANTANEOUS DIS- CHARGE (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
02474100 - TALLAHOMA CREEK NR LAUREL, MS. (LAT 31 42 45 LONG 089 09 52)						
JUNE, 1975						
17...	0655	136	58	6.0	23.5	6.1
17...	0950	129	56	6.1	23.5	6.3
17...	1245	121	50	6.1	25.0	6.7
17...	1545	116	60	6.1	26.0	6.6
17...	1910	110	62	6.1	26.0	6.2
17...	2235	106	66	6.1	26.0	6.1
18...	0105	101	70	6.1	25.0	6.0
18...	0410	96	70	6.1	25.0	5.6
18...	0745	90	70	6.1	24.5	6.1
02474110 - TALLAHOMA CREEK AT HWY 84 NR LAUREL, MS. (LAT 31 41 34 LONG 089 10 15)						
JUNE, 1975						
17...	0600	193	56	6.0	23.5	6.2
17...	0900	184	56	6.0	23.5	6.7
17...	1155	176	56	6.0	24.0	6.7
17...	1500	169	57	6.0	25.0	6.8
17...	1810	163	67	6.0	26.0	6.8
17...	2150	156	60	6.0	26.0	6.5
18...	0015	152	62	6.1	24.5	6.1
18...	0325	146	65	6.0	25.0	6.1
18...	0630	141	67	6.1	25.0	6.0
02474115 - HORSE CREEK NR LAUREL, MS. (LAT 31 41 40 LONG 089 11 05)						
JUNE, 1975						
17...	0645	24	38	5.9	24.0	6.5
17...	0940	24	36	5.8	24.0	6.2
17...	1235	23	36	5.8	25.0	6.7
17...	1535	22	37	5.8	26.0	6.7
17...	1900	22	37	5.8	26.0	6.5
17...	2225	22	36	5.8	25.5	6.3
18...	0100	21	36	5.8	25.0	6.0
18...	0400	20	37	5.8	25.0	5.8
18...	0730	20	38	5.8	25.0	6.5
02474130 - TALLAHOMA CREEK NR CALHOUN, MS. (LAT 31 39 45 LONG 089 11 23)						
JUNE, 1975						
17...	0625	322	53	6.0	24.0	6.7
17...	0925	310	51	6.0	24.5	6.5
17...	1220	301	51	6.0	25.5	7.0
17...	1525	292	52	6.0	26.0	6.9
17...	1840	282	52	6.0	26.0	7.0
17...	2210	273	54	6.0	25.0	6.7
18...	0045	266	54	6.0	25.0	6.5
18...	0350	260	56	6.0	24.5	6.5
18...	0700	254	58	6.0	25.0	6.5
18...	1020	247	57	6.2	25.9	6.3
18...	1330	239	55	6.2	26.8	6.9
18...	1600	235	56	6.2	25.9	6.5
18...	1840	230	56	6.3	25.0	7.0
18...	2145	228	51	6.1	25.0	6.3
19...	0045	224	64	6.4	24.8	6.2
19...	0355	221	62	6.3	24.2	6.3
19...	0715	218	70	6.2	22.2	7.2
19...	0945	218	66	6.2	22.8	7.2
19...	1215	219	66	6.2	24.2	7.5
19...	1535	228	64	6.2	26.9	6.4
19...	1850	230	65	6.1	26.8	6.5
20...	0020	378	29	5.9	24.8	6.3
02474140 - MILL CREEK NR CALHOUN, MS. (LAT 31 39 50 LONG 089 12 03)						
JUNE, 1975						
17...	0615	5.5	40	5.9	26.5	5.8
17...	0915	5.4	40	5.8	26.5	5.6
17...	1210	5.2	40	5.8	27.0	5.7
17...	1515	5.1	40	5.9	28.0	5.7
17...	1830	5.0	46	5.9	28.5	5.8
17...	2200	4.9	40	5.8	28.0	5.2
18...	0035	4.9	41	5.8	27.5	5.1
18...	0340	4.8	40	5.3	27.0	5.3
18...	0650	4.6	40	5.8	27.0	5.2

LAUREL AREA--CONTINUED

DATE	TIME	INSTAN- TANOUS DIS- CHARGE (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
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02474150 - TALLAHOMA CREEK AT WALTERS NR LAUREL, MS. (LAT 31 38 32 LONG 089 11 31)

JUNE, 1975

17...	0740	343	52	6.1	23.0	6.2
17...	1040	333	50	6.1	24.0	6.2
17...	1240	323	50	6.1	25.0	7.2
17...	1440	314	50	6.0	25.0	7.7
17...	1730	300	53	6.0	25.0	7.8
17...	2300	290	54	6.0	24.0	7.1
18...	0200	285	53	6.0	23.5	6.8
18...	0500	277	54	6.0	23.5	7.0
18...	0835	270	56	6.0	23.5	7.1

02474180 - TALLAHOMA CREEK AT HWY 11 AT ELLISVILLE, MS. (LAT 31 37 18 LONG 089 11 02)

JUNE, 1975

17...	0730	372	52	6.2	23.0	6.5
17...	1030	364	50	6.2	24.0	6.2
17...	1230	353	52	6.1	25.0	7.2
17...	1430	345	49	6.1	25.5	7.8
17...	1720	336	51	6.0	26.0	7.8
17...	2245	314	50	6.0	24.0	7.1
18...	0150	309	51	6.0	24.0	6.9
18...	0450	302	53	6.0	23.5	6.9
18...	0815	293	53	6.1	23.5	7.1

02474200 - TALLAHOMA CREEK AT ELLISVILLE, MS. (LAT 31 36 34 LONG 089 10 52)

JUNE, 1975

17...	0720	512	125	6.6	23.0	5.5
17...	1020	498	120	6.6	23.5	5.2
17...	1220	487	125	6.5	24.0	6.1
17...	1420	480	125	6.5	25.0	6.5
17...	1710	464	130	6.5	25.5	6.5
17...	2230	443	140	6.5	24.5	5.7
18...	0135	428	140	6.5	24.0	5.5
18...	0435	418	150	6.5	23.5	5.6
18...	0750	405	150	6.5	23.5	5.7
18...	0955	398	139	6.4	25.2	6.5
18...	1250	387	140	6.5	26.0	5.6
18...	1540	379	139	6.5	25.5	5.7
18...	1800	370	147	6.5	25.9	5.2
18...	2205	358	151	6.5	25.1	5.1
19...	0100	347	158	6.9	25.0	5.1
19...	0415	340	160	6.6	24.7	5.1
19...	0800	325	180	6.7	22.8	5.5
19...	1010	323	180	6.7	22.8	5.7
19...	1245	319	170	6.7	23.9	5.7
19...	1555	312	165	6.4	26.4	4.8
19...	1905	312	165	6.5	26.9	4.9
20...	0045	421	148	6.7	25.3	5.0

02474300 - TALLAHOMA CREEK NR ELLISVILLE, MS. (LAT 31 35 30 LONG 089 10 00)

JUNE, 1975

17...	0710	516	115	6.4	23.0	5.4
17...	1010	503	115	6.4	23.5	5.2
17...	1210	491	115	6.4	24.0	6.1
17...	1410	480	115	6.4	25.0	6.5
17...	1700	468	120	6.4	25.5	6.4
17...	2010	447	125	6.4	24.5	5.6
18...	0100	435	130	6.4	24.0	5.4
18...	0415	426	130	6.4	24.0	5.5
18...	0720	412	130	6.4	23.5	5.6

ANALYSES OF SAMPLES COLLECTED DURING SHORT-TERM INTENSIVE STUDIES

LAUREL AREA.--CONTINUED

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)
02474303 - TALLAHALA CREEK SOUTH OF ELLISVILLE, MS. (LAT 31 33 36 LONG 089 11 06)						
JUNE, 1975						
17...	0615	518	116	5.9	25.0	5.8
17...	0900	505	112	6.3	24.9	6.1
17...	1330	488	125	6.4	20.0	6.3
17...	1800	467	130	5.9	26.5	6.2
18...	0020	440	120	6.0	26.0	5.5
18...	0530	421	130	6.2	25.2	5.1
02474323 - ROCKY CREEK NR ELLISVILLE, MS. (LAT 31 33 58 LONG 089 11 58)						
JUNE, 1975						
17...	0630	9.3	112	6.0	23.5	6.1
17...	0920	9.1	113	6.3	23.5	5.7
17...	1400	8.7	120	6.2	25.2	5.5
17...	1830	8.2	120	6.0	25.5	5.8
18...	0045	7.9	117	6.0	24.9	5.1
18...	0550	7.8	116	6.1	24.2	5.0
02474330 - TALLAHALA CREEK NR MOSELLE, MS. (LAT 31 28 43 LONG 089 10 19)						
JUNE, 1975						
17...	0645	625	98	6.0	24.5	6.3
17...	0940	607	93	6.3	25.0	6.0
17...	1425	570	105	6.0	27.0	6.2
17...	1915	532	112	6.1	25.5	5.8
18...	0105	486	107	6.2	25.3	5.6
18...	0615	452	112	6.0	25.1	5.5
02474355 - TALLAHALA CREEK NR MORRISTOWN, MS. (LAT 31 25 26 LONG 089 09 23)						
JUNE, 1975						
17...	0700	690	90	5.7	23.3	5.8
17...	1005	664	92	6.2	24.8	5.9
17...	1500	642	95	6.0	26.0	6.2
17...	1945	616	98	6.3	26.0	6.0
18...	0140	585	95	6.1	25.5	5.5
18...	0650	558	100	5.9	25.2	5.4
02474370 - TALLAHALA CREEK NR BARRONTOWN, MS. (LAT 31 23 06 LONG 089 08 01)						
JUNE, 1975						
17...	0720	725	85	5.7	24.2	6.4
17...	1025	696	84	6.2	24.7	6.5
17...	1540	666	95	6.5	26.5	6.6
17...	2020	625	96	6.0	26.0	6.6
18...	0205	602	93	6.1	25.0	5.6
18...	0710	570	95	5.8	25.2	6.0
02474500 - TALLAHALA CREEK NR RUNNELSTOWN, MS. (LAT 31 19 57 LONG 089 06 46)						
JUNE, 1975						
03...	0900	714	95	6.2	23.0	6.9
17...	0745	766	81	5.9	24.0	6.6
17...	1040	734	84	6.2	24.7	6.5
17...	1615	694	86	5.4	26.9	6.8
17...	2100	635	96	6.1	26.0	6.7
18...	0225	621	90	5.9	22.4	6.2
18...	0730	585	91	5.9	25.0	6.0
02474540 - TALLAHALA CREEK NR MAHNEO, MS. (LAT 31 13 52 LONG 089 04 50)						
JUNE, 1975						
17...	0800	898	74	5.4	24.5	7.4
17...	1100	880	72	6.0	25.0	7.0
17...	1645	840	76	6.0	27.5	7.2
17...	2050	810	83	5.9	26.1	6.5
18...	0255	775	79	5.7	25.2	6.7
18...	0300	745	82	6.0	25.0	6.7

LAUREL AREA--CONTINUED

DATE	TIME	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	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)
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02473490 - TALLAHALA CREEK NR SANDERSVILLE, MS. (LAT 31 47 07 LONG 089 04 33)

JUNE, 1975

03...	1730	.15	.02	.32	.34	.49	2.2
17...	1800	.16	.13	.24	.37	.53	2.3
18...	0520	.15	.08	.59	.77	.92	4.1

02473491 - BIG REEDY CREEK NR LAUREL, MS. (LAT 31 45 25 LONG 089 06 50)

JUNE, 1975

17...	1815	.04	.04	.36	.40	.44	1.9
18...	0545	.05	.05	.45	1.0	1.1	4.6

02473492 - BRUSHY BRANCH AT LAUREL, MS. (LAT 31 44 15 LONG 089 07 28)

JUNE, 1975

17...	1830	.18	.15	1.5	1.6	1.8	7.9
18...	0510	.22	.25	1.7	1.9	2.1	9.4

02473493 - REE BRANCH AT LAUREL, MS. (LAT 31 44 04 LONG 089 07 42)

JUNE, 1975

17...	1845	.40	.07	.46	.53	.93	4.1
18...	0425	.35	.10	.59	.79	1.1	5.0

02473495 - TALLAHALA CREEK AT HWY 11 AT LAUREL, MS. (LAT 31 43 18 LONG 089 06 45)

JUNE, 1975

17...	1845	.13	.05	.34	.39	.52	2.3
18...	0745	.13	.04	.43	.47	.60	2.7

02473497 - TALLAHALA CREEK AT HWY 84 AT LAUREL, MS. (LAT 31 41 48 LONG 089 06 32)

JUNE, 1975

17...	1930	.13	.02	.52	.54	.67	3.0
18...	0710	.13	.04	.43	.47	.60	2.7

DATE	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL ORTHOC PHOS- PHORUS (MG/L)	COLOR (PLAT- INUM- COBALT UNITS)	BIO- CHEM- ICAL OXYGEN DEMAND (MG/L)	BIO- CHEM- ICAL OXYGEN DEMAND (MG/L)	FECAL COLI- FORM (COL. PER 100 ML)	STREP- TOCOCCI (COL- ONIES PER 100 ML)
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02473490 - TALLAHALA CREEK NR SANDERSVILLE, MS. (LAT 31 47 07 LONG 089 04 33)

JUNE, 1975

03...	.03	--	--	--	--	820	290
17...	.06	.01	60	1.5	--	820	520
18...	.04	.01	65	5.5	--	--	--

02473491 - BIG REEDY CREEK NR LAUREL, MS. (LAT 31 45 25 LONG 089 06 50)

JUNE, 1975

17...	.05	.03	90	1.8	--	980	880
18...	.05	.03	70	5.5	--	--	--

02473492 - BRUSHY BRANCH AT LAUREL, MS. (LAT 31 44 15 LONG 089 07 28)

JUNE, 1975

17...	.93	.74	130	7.8	--	200	1180
18...	1.1	.86	90	7.0	--	500	8830

02473493 - REE BRANCH AT LAUREL, MS. (LAT 31 44 04 LONG 089 07 42)

JUNE, 1975

17...	.33	.30	130	2.5	--	320	500
18...	.31	.19	120	2.6	--	680	500

02473495 - TALLAHALA CREEK AT HWY 11 AT LAUREL, MS. (LAT 31 43 18 LONG 089 06 45)

JUNE, 1975

17...	.03	.01	65	3.0	--	<100	320
18...	.05	.01	70	2.0	--	820	390

02473497 - TALLAHALA CREEK AT HWY 84 AT LAUREL, MS. (LAT 31 41 48 LONG 089 06 32)

JUNE, 1975

17...	.04	.01	65	2.5	--	--	--
18...	.05	.01	65	2.3	--	--	--

ANALYSES OF SAMPLES COLLECTED DURING SHORT-TERM INTENSIVE STUDIES

LAUREL AREA--CONTINUED

DATE	TIME	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	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)
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02473499 - TALLAHALA CREEK TR AT MERIDIAN AVE AT LAUREL, MS. (LAT 31 41 40 LONG 089 07 20)

JUNE, 1975							
17...	1900	.19	.09	.44	.53	.72	3.2
18...	0650	.16	.33	.51	.84	1.0	4.4

02473500 - TALLAHALA CREEK AT LAUREL, MS. (LAT 31 40 50 LONG 089 05 55)

JUNE, 1975							
17...	1625	.14	.06	.65	.71	.85	3.8
18...	0510	.13	.05	.49	.54	.67	3.0
18...	1510	.15	.03	.59	.62	.77	3.4
19...	0600	.16	.15	1.3	1.4	1.6	6.9
19...	1415	.15	.12	1.4	1.5	1.7	7.3

02473510 - TALLAHALA CREEK TR NO. 3 AT LAUREL, MS. (LAT 31 41 02 LONG 089 07 22)

JUNE, 1975							
17...	1615	2.2	1.5	.90	2.4	4.6	20
18...	0555	2.4	3.3	.40	4.1	6.5	29

02473540 - TALLAHALA CREEK NR LAUREL, MS. (LAT 31 40 16 LONG 089 07 23)

JUNE, 1975							
17...	1540	.13	.23	.97	1.2	1.3	5.9
18...	0630	.15	.28	.68	.96	1.1	4.9

02473600 - TALLAHALA CREEK AT BROWN ST. EXT. AT LAUREL, MS. (LAT 31 39 20 LONG 089 08 22)

JUNE, 1975							
17...	1645	.13	.13	.47	1.0	1.1	5.0
18...	0645	.14	.17	.23	1.1	1.2	5.5
18...	1540	.20	1.8	1.3	3.1	3.3	15
19...	0635	.18	.67	1.0	1.7	1.9	8.3
19...	1425	.18	.25	1.5	1.7	1.9	8.3

DATE	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL ORTHOPHOS- PHORUS (P) (MG/L)	COLOR (PLAT- INUM- COBALT UNITS)	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)
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02473499 - TALLAHALA CREEK TR AT MERIDIAN AVE AT LAUREL, MS. (LAT 31 41 40 LONG 089 07 20)

JUNE, 1975							
17...	.45	.35	48	3.5	--	4500	3600
18...	.40	.25	43	3.1	--	--	--

02473500 - TALLAHALA CREEK AT LAUREL, MS. (LAT 31 40 50 LONG 089 05 55)

JUNE, 1975							
17...	.10	.04	100	2.4	7.0	900	1050
18...	.08	.05	70	2.0	6.0	--	--
18...	.11	.04	55	3.0	4.5	81300	833
18...	.11	.03	90	2.6	7.3	>300000	190
19...	.10	.03	85	6.3	15	1050	800

02473510 - TALLAHALA CREEK TR NO. 3 AT LAUREL, MS. (LAT 31 41 02 LONG 089 07 22)

JUNE, 1975							
17...	.38	.24	25	4.4	--	812500	780
18...	.49	.53	15	7.1	--	>300000	620

02473540 - TALLAHALA CREEK NR LAUREL, MS. (LAT 31 40 16 LONG 089 07 23)

JUNE, 1975							
17...	.13	.07	110	3.0	--	560	840
18...	.14	.10	90	2.2	--	550	380

02473600 - TALLAHALA CREEK AT BROWN ST. EXT. AT LAUREL, MS. (LAT 31 39 20 LONG 089 08 22)

JUNE, 1975							
17...	.38	.31	290	7.4	19	4120	81460
18...	.39	.34	230	6.2	18	--	--
18...	.77	.67	180	4.2	31	>300000	>300000
19...	.56	.47	42	10	24	>300000	130
19...	.39	.24	220	13	32	82200	390

LAUREL AREA--CONTINUED

DATE	TIME	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	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)	
02473630 - TALLAHALA CREEK TR NO. 2 AT LAUREL, MS. (LAT 31 39 55 LONG 089 09 22)								
JUNE, 1975								
17...	1740	.19	1.2	.70	1.9	2.1	9.3	
18...	0850	.15	1.6	.70	2.3	2.5	11	
02474020 - TALLAHOMA CREEK NR SOSO, MS. (LAT 31 46 05 LONG 089 11 14)								
JUNE, 1975								
17...	2000	.16	.03	.27	.30	.46	2.0	
18...	0830	.17	.04	.27	.31	.48	2.1	
02474050 - BRUSHY CREEK NR SHADY GROVE, MS. (LAT 31 46 00 LONG 089 12 00)								
JUNE, 1975								
17...	1945	.15	.04	.48	.52	.67	3.0	
18...	0815	.18	.05	.40	.45	.63	2.8	
02474090 - TALLAHOMA CREEK NR SHADY GROVE, MS. (LAT 31 44 26 LONG 089 10 52)								
JUNE, 1975								
17...	1930	.16	.03	.35	.38	.54	2.4	
18...	0800	.17	.03	.29	.32	.49	2.2	
02474100 - TALLAHOMA CREEK NR LAUREL, MS. (LAT 31 42 45 LONG 089 09 52)								
JUNE, 1975								
17...	1910	.16	.09	.33	.42	.58	2.6	
18...	0745	.17	.11	.25	.36	.53	2.3	
02474110 - TALLAHOMA CREEK AT HWY 84 NR LAUREL, MS. (LAT 31 41 34 LONG 089 10 15)								
JUNE, 1975								
17...	1410	.17	.14	.34	.98	1.2	5.1	
18...	0630	.18	.10	.32	.42	.60	2.7	
DATE		TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL DRIFIC PHOS- PHORUS (P) (MG/L)	COLOR (PLAT- INUM- COBALT UNITS)	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- ONTES PER 100 ML)
02473630 - TALLAHALA CREEK TR NO. 2 AT LAUREL, MS. (LAT 31 39 55 LONG 089 09 22)								
JUNE, 1975								
17...		.45	.38	85	4.1	--	430000	>30000
18...		.48	.41	70	3.3	--	--	--
02474020 - TALLAHOMA CREEK NR SOSO, MS. (LAT 31 46 05 LONG 089 11 14)								
JUNE, 1975								
17...		.04	.01	100	1.4	--	840	360
18...		.03	.01	--	1.2	--	2600	2800
02474050 - BRUSHY CREEK NR SHADY GROVE, MS. (LAT 31 46 00 LONG 089 12 00)								
JUNE, 1975								
17...		.04	.01	120	1.2	--	4100	900
18...		.04	.01	110	1.5	--	>30000	460
02474090 - TALLAHOMA CREEK NR SHADY GROVE, MS. (LAT 31 44 26 LONG 089 10 52)								
JUNE, 1975								
17...		.03	.01	100	2.0	--	8110	5800
18...		.03	.01	90	1.6	--	430000	8180
02474100 - TALLAHOMA CREEK NR LAUREL, MS. (LAT 31 42 45 LONG 089 09 52)								
JUNE, 1975								
17...		.05	.03	100	1.8	--	--	--
18...		.05	.04	90	1.3	--	>30000	580
02474110 - TALLAHOMA CREEK AT HWY 84 NR LAUREL, MS. (LAT 31 41 34 LONG 089 10 15)								
JUNE, 1975								
17...		.05	.01	110	6.2	--	820	8160
18...		.05	.03	100	1.8	--	>30000	8100

ANALYSES OF SAMPLES COLLECTED DURING SHORT-TERM INTENSIVE STUDIES

LAUREL AREA--CONTINUED

DATE	TIME	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	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)	
02474115 - HORSE CREEK NR LAUREL, MS. (LAT 31 41 40 LONG 089 11 05)								
JUNE, 1975								
17...	1900	.17	.02	.41	.43	.60	2.7	
19...	0730	.20	.02	.42	.44	.64	2.8	
02474130 - TALLAHOMA CREEK NR CALHOUN, MS. (LAT 31 39 45 LONG 089 11 23)								
JUNE, 1975								
17...	1940	.17	.05	.35	.40	.57	2.5	
19...	0700	.19	.06	.29	.35	.54	2.4	
19...	1940	.22	.08	.54	.62	.84	3.7	
19...	0715	.23	.12	1.1	1.2	1.4	6.3	
19...	1450	.24	.11	1.2	1.3	1.5	6.8	
02474140 - MILL CREEK NR CALHOUN, MS. (LAT 31 39 50 LONG 089 12 03)								
JUNE, 1975								
17...	1930	.08	.12	.98	1.1	1.2	5.2	
19...	0650	.09	.07	.37	.44	.53	2.3	
02474150 - TALLAHOMA CREEK AT WALTERS NR LAUREL, MS. (LAT 31 38 32 LONG 089 11 31)								
JUNE, 1975								
17...	1730	.18	.06	.52	.58	.76	3.4	
19...	0935	.20	.06	.52	.58	.78	3.5	
02474180 - TALLAHOMA CREEK AT HWY 11 AT ELLISVILLE, MS. (LAT 31 37 18 LONG 089 11 02)								
JUNE, 1975								
17...	1720	.18	.04	.48	.52	.70	3.1	
19...	0915	.19	.04	.48	.52	.71	3.1	
DATE		TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL ORTHOPHOS- PHORUS (P) (MG/L)	COLOR (PLAT- INUM- COBALT UNITS)	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)
02474115 - HORSE CREEK NR LAUREL, MS. (LAT 31 41 40 LONG 089 11 05)								
JUNE, 1975								
17...		.04	.02	100	1.5	--	880	810
19...		.04	.02	90	1.1	--	>30000	190
02474130 - TALLAHOMA CREEK NR CALHOUN, MS. (LAT 31 39 45 LONG 089 11 23)								
JUNE, 1975								
17...		.05	.03	100	1.2	4.1	8120	880
19...		.04	.03	95	1.2	3.6	--	--
19...		.06	.03	90	2.2	5.5	--	--
19...		.05	.03	100	3.8	8.3	84000	8150
19...		.05	.03	85	3.9	9.6	855	200
02474140 - MILL CREEK NR CALHOUN, MS. (LAT 31 39 50 LONG 089 12 03)								
JUNE, 1975								
17...		.04	.00	80	4.1	--	840	5400
19...		.03	.00	60	1.7	--	>30000	780
02474150 - TALLAHOMA CREEK AT WALTERS NR LAUREL, MS. (LAT 31 38 32 LONG 089 11 31)								
JUNE, 1975								
17...		.08	.03	110	2.0	--	820	8340
19...		.05	.02	100	1.7	--	830	839
02474180 - TALLAHOMA CREEK AT HWY 11 AT ELLISVILLE, MS. (LAT 31 37 18 LONG 089 11 02)								
JUNE, 1975								
17...		.05	.03	110	1.9	--	8160	8157
19...		.05	.04	100	1.6	--	815	150

LAUREL AREA--CONTINUED

DATE	TIME	TOTAL NITRATE PLUS NITRITE (N) (MG/L)	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)	
02474200 - TALLAHALA CREEK AT ELLISVILLE, MS. (LAT 31 36 34 LONG 089 10 52)								
JUNE, 1975								
17...	1710	.18	.12	.98	1.1	1.3	5.7	
18...	0750	.20	.13	.81	.94	1.1	5.0	
18...	1400	.22	.15	.83	.98	1.2	5.3	
19...	0400	.28	1.6	.80	2.0	2.3	10	
19...	1405	.28	.47	1.1	1.6	1.9	8.3	
02474300 - TALLAHALA CREEK NR ELLISVILLE, MS. (LAT 31 35 30 LONG 089 10 00)								
JUNE, 1975								
17...	1700	.19	.13	.65	.78	.97	4.3	
18...	0720	.21	.12	.88	1.0	1.2	5.4	
02474303 - TALLAHALA CREEK SOUTH OF ELLISVILLE, MS. (LAT 31 33 36 LONG 089 11 06)								
JUNE, 1975								
17...	1800	.22	.13	1.3	1.4	1.6	7.2	
18...	0530	.26	.13	.79	.92	1.2	5.2	
02474323 - ROCKY CREEK NR ELLISVILLE, MS. (LAT 31 33 58 LONG 089 11 58)								
JUNE, 1975								
17...	1430	.50	.15	1.3	1.4	1.9	8.4	
18...	0550	.56	.10	.69	.79	1.4	6.0	
02474330 - TALLAHALA CREEK NR MOSELLE, MS. (LAT 31 28 43 LONG 089 10 19)								
JUNE, 1975								
17...	1915	.25	.16	.74	1.1	1.4	6.0	
18...	0615	.27	.10	.72	.82	1.1	4.8	
DATE	TIME	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL ORTHOC PHOS- PHORUS (P) (MG/L)	COLOR (PLAT- INUM- COHAULT UNITS)	BIO- CHEM- ICAL OXYGEN DEMAND (MG/L)	BIO- CHEM- ICAL OXYGEN DEMAND (MG/L)	FECAL COLI- FORM (COL. PER 100 ML)	STREP- TOCOCCI (COL- ONIES PER 100 ML)
02474200 - TALLAHALA CREEK AT ELLISVILLE, MS. (LAT 31 36 34 LONG 089 10 52)								
JUNE, 1975								
17...		.25	.19	170	4.2	12	8300	8800
18...		.26	.20	200	3.6	12	540	190
18...		.24	.18	120	3.9	11	--	--
19...		.49	.40	180	6.0	21	--	--
19...		.33	.25	190	4.3	14	--	--
02474300 - TALLAHALA CREEK NR ELLISVILLE, MS. (LAT 31 35 30 LONG 089 10 00)								
JUNE, 1975								
17...		.24	.16	190	3.5	--	280	1020
18...		.25	.19	170	2.9	--	--	--
02474303 - TALLAHALA CREEK SOUTH OF ELLISVILLE, MS. (LAT 31 33 36 LONG 089 11 06)								
JUNE, 1975								
17...		.22	.13	75	3.7	--	140	146
18...		.24	.18	110	2.8	--	--	--
02474323 - ROCKY CREEK NR ELLISVILLE, MS. (LAT 31 33 58 LONG 089 11 58)								
JUNE, 1975								
17...		.34	.26	90	5.3	--	8360	440
18...		.34	.26	55	2.7	--	--	--
02474330 - TALLAHALA CREEK NR MOSELLE, MS. (LAT 31 28 43 LONG 089 10 19)								
JUNE, 1975								
17...		.20	.13	130	4.8	--	840	8120
18...		.20	.14	110	2.4	--	840	8150

ANALYSES OF SAMPLES COLLECTED DURING SHORT-TERM INTENSIVE STUDIES

LAUREL AREA.--CONTINUED

DATE	TIME	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	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)
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02474355 - TALLAHALA CREEK NR MORRISTOWN, MS. (LAT 31 25 26 LONG 089 09 23)

JUNE, 1975

17...	1945	.28	.13	.77	.90	1.2	5.2
18...	0650	.28	.09	.51	.60	.88	3.9

02474370 - TALLAHALA CREEK NR BARRONTOWN, MS. (LAT 31 23 06 LONG 089 08 01)

JUNE, 1975

17...	2020	.29	.09	.90	.99	1.3	5.7
18...	0710	.30	.07	.34	.41	.71	3.1

02474500 - TALLAHALA CREEK NR RUNNELSTOWN, MS. (LAT 31 19 57 LONG 089 06 46)

JUNE, 1975

03...	0900	.27	.11	.59	.80	1.1	4.7
17...	2100	.31	.12	1.2	1.3	1.6	7.1
18...	0730	.35	.07	.62	.69	1.0	4.6

02474540 - TALLAHALA CREEK NR MAHNEO, MS. (LAT 31 13 52 LONG 089 04 50)

JUNE, 1975

17...	2050	.24	.10	.61	.71	.95	4.2
18...	0800	.35	.06	.68	.74	1.1	4.8

DATE	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL ORTHOC PHOS- PHORUS (P) (MG/L)	COLOR (PLAT- INUM- COBALT UNITS)	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)
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02474355 - TALLAHALA CREEK NR MORRISTOWN, MS. (LAT 31 25 26 LONG 089 09 23)

JUNE, 1975

17...	.18	.11	150	4.8	--	<100	8360
18...	.19	.14	100	1.6	--	840	890

02474370 - TALLAHALA CREEK NR BARRONTOWN, MS. (LAT 31 23 06 LONG 089 08 01)

JUNE, 1975

17...	.15	.11	130	5.2	--	460	1080
18...	.18	.12	100	1.5	--	--	--

02474500 - TALLAHALA CREEK NR RUNNELSTOWN, MS. (LAT 31 19 57 LONG 089 06 46)

JUNE, 1975

03...	.09	--	--	--	--	887	1500
17...	.15	.05	120	3.8	--	8120	960
18...	.15	.11	110	1.7	--	--	--

02474540 - TALLAHALA CREEK NR MAHNEO, MS. (LAT 31 13 52 LONG 089 04 50)

JUNE, 1975

17...	.11	.06	110	3.2	--	860	600
18...	.12	.09	90	1.7	--	250	860

PASCAGOULA AND ESCATAWPA RIVERS.

An intensive study of the quality of water in the Pascagoula and Escatawpa Rivers was made in August and September 1972. Water samples were collected at selected sites on the East and West Pascagoula and Escatawpa Rivers in the tidal zones at low and high tides. Listed below are site locations and results of laboratory and field determinations of water quality made during the study.

DATE	TIME	DEPTH (FT)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
303048088355800 - PASCAGOULA RIVER AT MI 17 024793402 (LAT 30 30 48 LONG 088 35 58)					
SEP., 1972					
13...	1745	1.0	90	30.0	6.7
13...	1746	5.0	90	30.0	6.7
13...	1747	10	140	30.0	6.5
18...	1855	1.0	90	29.0	5.6
18...	1856	5.0	85	29.0	5.7
18...	1857	10	85	29.0	5.7
21...	2000	1.0	100	29.0	6.1
21...	2001	5.0	95	29.0	6.0
21...	2002	10	95	29.0	6.0
21...	2003	15	95	29.0	6.0
25...	1430	1.0	2200	29.0	5.8
25...	1431	5.0	2200	29.0	5.6
25...	1432	10	2200	28.5	5.6
25...	1433	15	2400	28.5	5.6
303044088353000 - PASCAGOULA RIVER AT MI 15 024793403 (LAT 30 30 44 LONG 088 35 30)					
SEP., 1972					
13...	1735	1.0	450	30.0	6.7
13...	1736	5.0	475	30.0	6.6
13...	1737	10	900	30.0	6.4
18...	1845	1.0	2100	29.0	5.7
18...	1846	5.0	2100	29.5	5.7
18...	1847	10	2500	29.0	5.7
21...	1955	1.0	2800	29.0	6.0
21...	1956	5.0	2800	29.0	6.0
21...	1957	10	3800	29.0	5.6
25...	1425	1.0	3000	29.0	5.8
25...	1426	5.0	3000	29.0	5.6
25...	1427	10	3500	29.0	5.4
303018088351800 - PASCAGOULA RIVER AT MI 15 024793404 (LAT 30 30 18 LONG 088 35 18)					
SEP., 1972					
13...	1730	1.0	1500	30.0	6.4
13...	1731	5.0	1700	30.0	6.2
13...	1732	10	2600	30.0	5.8
13...	1733	15	2400	30.0	4.7
18...	1845	1.0	2600	30.0	5.7
18...	1846	5.0	2700	29.5	5.7
18...	1847	10	2800	29.5	4.5
18...	1848	15	1800	29.5	2.6
21...	1945	1.0	7500	29.0	5.3
21...	1946	5.0	7500	29.0	5.2
21...	1947	10	11000	29.0	4.6
21...	1948	15	18000	29.0	.3
25...	1420	1.0	6500	28.5	5.3
25...	1421	5.0	7000	28.5	5.2
25...	1422	10	7500	28.5	4.7
25...	1423	15	14500	28.5	3.0
302954088344000 - PASCAGOULA RIVER AT MI 14 024793409 (LAT 30 29 54 LONG 088 34 40)					
SEP., 1972					
13...	1725	1.0	1150	30.0	6.1
13...	1726	5.0	10000	30.0	5.8
13...	1727	10	20000	30.0	2.1
17...	1840	1.0	4500	29.5	5.4
18...	1841	5.0	4500	29.5	5.3
18...	1842	10	5000	29.5	5.3
25...	1415	1.0	12000	29.5	4.8
25...	1416	5.0	12000	29.5	4.7
25...	1417	10	12500	28.5	4.3
25...	1418	15	17500	28.5	3.6

PASCAGOULA AND ESCATAWPA RIVERS.--CONTINUED

DATE	TIME	DEPTH (FT)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
02479341 - PASCAGOULA RIVER AT MI 13 NR COLL TOWN, MS. (LAT 30 29 50 LONG 088 34 04)					
SEP.. 1972					
13...	1720	1.0	6000	29.5	5.5
13...	1721	5.0	6500	30.0	4.6
13...	1722	10	30000	29.0	.4
13...	1723	15	32000	29.5	.4
13...	1724	20	32000	29.5	.4
13...	1725	24	21000	29.5	.4
18...	1830	1.0	7500	30.0	4.7
18...	1831	5.0	7500	30.0	4.7
18...	1832	10	33000	29.0	.3
18...	1833	15	37000	29.0	.3
18...	1834	20	38000	29.0	.3
21...	1930	1.0	20000	29.0	4.3
21...	1931	5.0	20000	29.0	3.8
21...	1932	10	25000	29.0	.3
21...	1933	15	25000	29.0	.3
21...	1934	20	25000	29.0	.3
25...	1410	1.0	19000	29.0	4.2
25...	1411	5.0	20000	29.0	3.5
25...	1412	10	26000	29.0	.3
25...	1413	15	28000	29.0	.3
25...	1414	20	28000	29.0	.3

02479342 - PASCAGOULA RIVER AT MI 12 NR COLL TOWN, MS. (LAT 30 29 07 LONG 088 33 42)

SEP.. 1972					
13...	1715	1.0	8500	30.0	5.7
13...	1716	5.0	9000	30.0	5.1
13...	1717	10	26000	29.5	.4
13...	1718	15	32000	29.5	.4
13...	1719	20	32000	29.5	.4
13...	1720	25	26000	29.5	.4
18...	1825	1.0	9500	29.0	5.8
18...	1826	5.0	10000	29.0	4.5
18...	1827	10	35000	29.0	.3
18...	1828	15	37000	29.0	.3
18...	1829	20	37000	29.0	.3
21...	1925	1.0	16000	29.0	5.3
21...	1926	5.0	18000	29.0	4.5
21...	1927	10	24000	29.0	.3
21...	1928	15	24000	29.0	.3
21...	1929	20	26000	29.0	.3
25...	1345	1.0	17000	29.0	4.4
25...	1346	5.0	17000	29.0	3.4
25...	1347	10	28000	29.0	.6
25...	1348	15	29000	29.0	.2
25...	1349	20	29000	29.5	.2
25...	1350	25	30000	29.5	.2

302822088332500 - PASCAGOULA RIVER AT MI 11

024793422 (LAT 30 28 22 LONG 088 33 25)

SEP.. 1972					
13...	1705	1.0	10000	30.0	6.7
13...	1706	5.0	10000	30.0	5.6
13...	1707	10	29000	30.0	.6
13...	1708	15	32000	29.5	.6
17...	1725	1.0	6500	29.0	5.3
17...	1726	5.0	9000	29.0	5.1
17...	1727	10	29000	29.0	.3
17...	1728	15	32000	29.0	.3
18...	1815	1.0	10200	29.5	5.7
18...	1816	5.0	11000	29.5	4.6
18...	1817	10	34000	29.0	.3
18...	1818	15	36000	29.0	.3
21...	1920	1.0	14000	29.0	5.9
21...	1921	5.0	20000	29.0	3.2
21...	1922	10	25000	29.0	.3
21...	1923	15	26000	29.0	.3
25...	1330	1.0	18000	28.5	5.3
25...	1331	5.0	18000	28.5	5.3
25...	1332	10	18000	28.5	3.4
25...	1333	15	28000	28.0	1.0

PASCAGOULA AND ESCATAWPA RIVERS.--CONTINUED

DATE	TIME	DEPTH (FT)	SPE- CIFIC CON- DUCT- ANCE (MICRO)- MHOS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
302725088333700 - PASCAGOULA RIVER AT MI 10			024793427 (LAT 30 27 25 LONG 088 33 37)		
SEP.. 1972					
13...	1700	1.0	9700	30.0	7.5
13...	1701	5.0	11000	30.0	4.9
13...	1702	10	28000	29.5	.4
13...	1703	15	33000	29.5	.4
13...	1704	19	24000	29.5	.3
17...	1920	1.0	8500	29.5	6.7
17...	1921	5.0	10500	30.0	5.2
17...	1922	10	29000	29.0	.3
17...	1923	15	32000	29.0	.3
18...	1810	1.0	9500	30.0	6.7
18...	1811	5.0	12000	30.0	4.5
18...	1812	10	34000	29.5	.3
18...	1813	15	35000	29.5	.3
21...	1915	1.0	10000	29.0	6.3
21...	1916	5.0	17000	29.0	4.5
21...	1917	10	28000	29.0	.3
21...	1918	15	31000	29.0	.3
25...	1320	1.0	18000	28.0	4.4
25...	1321	5.0	19000	28.0	4.2
25...	1322	10	24000	28.5	1.5
25...	1323	15	29000	29.0	.3
302648088340600 - PASCAGOULA RIVER AT MI 9			024793428 (LAT 30 26 48 LONG 088 34 06)		
SEP.. 1972					
13...	1655	1.0	9500	30.0	8.4
13...	1656	5.0	12500	29.5	5.7
13...	1657	10	30000	29.5	.4
13...	1658	15	32000	29.5	.4
13...	1659	19	32000	29.5	.4
17...	1915	1.0	9500	29.5	6.6
17...	1916	5.0	10000	30.0	4.6
17...	1917	10	28000	29.0	.3
17...	1918	15	32000	29.5	.3
17...	1919	20	33000	29.0	.3
18...	1800	1.0	9500	30.5	6.9
18...	1801	5.0	11000	30.0	6.2
18...	1802	10	34000	29.5	.2
18...	1803	15	39000	29.5	.2
18...	1804	19	40000	29.5	.2
21...	1910	1.0	14000	29.0	7.1
21...	1911	5.0	16000	29.0	5.2
21...	1912	10	25000	29.0	.3
21...	1913	15	28000	29.0	.3
21...	1914	19	27000	29.0	.3
25...	1315	1.0	17000	28.5	5.2
25...	1316	5.0	17000	28.5	4.2
25...	1317	10	24000	28.5	1.6
25...	1318	15	32000	29.0	.4
25...	1319	20	33000	29.0	.3
02479343 - PASCAGOULA RIVER AT MI 8 NW ESCATAWPA, MS. (LAT 30 26 17 LONG 088 33 28)					
SEP.. 1972					
13...	1645	1.0	14000	30.0	8.8
13...	1646	5.0	21000	29.5	3.2
13...	1647	10	26000	29.0	1.0
13...	1648	15	28000	29.0	.5
17...	1910	1.0	10000	30.0	7.3
17...	1911	5.0	11000	30.0	4.1
17...	1912	10	20000	30.0	.4
17...	1913	15	22000	29.5	.5
18...	1755	1.0	12000	30.5	7.7
18...	1756	5.0	14000	30.5	7.5
18...	1757	10	35000	30.0	.5
18...	1758	15	37000	30.0	.5
21...	1905	1.0	20000	29.0	5.2
21...	1906	5.0	22000	29.5	3.7
21...	1907	10	29000	29.5	.3
21...	1908	15	31000	29.0	.3
25...	1305	1.0	20000	28.5	4.5
25...	1306	5.0	22000	28.5	2.9
25...	1307	10	28000	29.0	1.3
25...	1308	15	38000	29.0	.8

ANALYSES OF SAMPLES COLLECTED DURING SHORT-TERM INTENSIVE STUDIES

PASCAGOULA AND ESCATAMPA RIVERS.--CONTINUED

DATE	TIME	DEPTH (FT)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
30252608333600 - PASCAGOULA RIVER AT MI 7			024793431 (LAT 30 25 26 LONG 088 33 36)		
SEP.. 1972					
13...	1640	1.0	19000	30.0	8.5
13...	1641	5.0	24000	29.5	.4
13...	1642	10	27000	29.0	.4
13...	1643	15	28000	29.0	.3
17...	1905	1.0	12000	30.0	6.7
17...	1906	5.0	20000	30.0	.4
17...	1907	10	22000	30.0	.4
18...	1750	1.0	16000	30.0	7.3
18...	1751	5.0	28000	30.0	.7
18...	1752	10	32000	30.0	.4
21...	1900	1.0	24000	30.0	3.8
21...	1901	5.0	25000	30.0	.3
21...	1902	10	29000	30.0	.6
21...	1903	15	32000	29.5	.5
25...	1300	1.0	24000	28.5	4.7
25...	1301	5.0	30000	28.5	.3
25...	1302	10	37000	28.5	.3
25...	1303	15	40000	29.0	.3
30250708342800 - PASCAGOULA RIVER AT MI 6			024802082 (LAT 30 25 07 LONG 088 34 28)		
SEP.. 1972					
13...	1630	1.0	21000	31.0	8.6
13...	1631	5.0	23000	30.0	2.8
13...	1632	10	24000	29.0	.6
17...	1900	1.0	17000	30.0	5.2
17...	1901	5.0	20000	30.0	.6
18...	1745	1.0	18000	30.5	7.0
18...	1746	5.0	30000	30.5	.4
18...	1747	10	33000	30.0	.4
21...	1855	1.0	21000	30.0	2.2
21...	1856	5.0	27000	30.0	1.3
21...	1857	10	30000	30.0	.6
25...	1250	1.0	25000	28.5	3.0
25...	1251	5.0	30000	28.5	.3
25...	1252	10	34000	29.0	.3
30243008350400 - PASCAGOULA RIVER AT MI 5			024802083 (LAT 30 24 30 LONG 088 35 04)		
SEP.. 1972					
13...	1620	1.0	22000	30.5	8.2
13...	1621	5.0	23000	29.0	1.6
13...	1622	10	24000	29.0	1.6
13...	1623	15	24000	29.0	1.6
17...	1855	1.0	28000	30.0	3.0
17...	1856	5.0	28000	30.0	1.3
17...	1857	10	28000	29.5	.3
17...	1858	15	30000	29.0	.6
18...	1735	1.0	25000	31.0	3.7
18...	1736	5.0	30000	31.0	.3
18...	1737	10	35000	30.0	.4
18...	1738	15	41000	30.0	.9
21...	1845	1.0	25000	30.0	2.5
21...	1846	5.0	28000	30.0	.3
21...	1847	10	36000	29.5	1.0
21...	1848	15	40000	29.0	1.4
25...	1245	1.0	26000	28.5	2.8
25...	1246	5.0	28000	28.5	.3
25...	1247	10	30000	28.5	.3
25...	1248	15	31000	28.5	.3

PASCAGOULA AND ESCATAWPA RIVERS.--CONTINUED

DATE	TIME	DEPTH (FT)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
302345088343800 - PASCAGOULA RIVER AT MI 4 024802087 (LAT 30 23 45 LONG 088 34 38)					
SEP.. 1972					
13...	1510	1.0	27000	30.0	5.8
13...	1511	5.0	28000	29.0	2.8
13...	1512	10	29000	29.0	3.8
13...	1513	15	30000	28.5	3.5
17...	1450	1.0	27000	30.0	3.7
17...	1451	5.0	28000	30.0	.6
17...	1452	10	30000	30.0	.6
17...	1453	15	33000	29.5	1.0
14...	1730	1.0	32000	31.0	5.5
14...	1731	5.0	33000	31.0	1.2
14...	1732	10	38000	30.0	.7
14...	1733	15	39000	30.0	1.2
21...	1440	1.0	26000	30.0	2.3
21...	1441	5.0	28000	30.0	1.3
21...	1442	10	34000	30.0	1.6
21...	1443	15	38000	29.5	1.6
25...	1240	1.0	29000	28.5	2.1
25...	1241	5.0	29000	28.5	1.2
25...	1242	10	30000	28.5	.7
25...	1243	15	31000	28.5	1.0

302319088335400 - PASCAGOULA RIVER AT MI 3 024802091 (LAT 30 23 19 LONG 088 33 54)					
SEP.. 1972					
13...	1605	1.0	28000	29.0	6.1
13...	1606	5.0	28000	29.0	5.5
13...	1607	10	29000	29.0	5.0
13...	1608	15	30000	28.5	4.7
13...	1609	20	31000	28.0	4.8
17...	1445	1.0	19000	30.0	4.0
17...	1446	5.0	20000	30.0	3.4
17...	1447	10	24000	30.0	3.7
17...	1448	15	26000	30.0	3.7
17...	1449	20	28000	30.0	2.8
14...	1725	1.0	35000	31.0	4.0
14...	1726	5.0	38000	30.5	2.4
14...	1727	10	40000	30.0	2.4
14...	1728	15	40000	30.0	2.6
14...	1729	20	40000	30.0	2.6
21...	1435	1.0	30000	30.0	2.6
21...	1436	5.0	32000	30.0	2.5
21...	1437	10	35000	30.0	2.1
21...	1438	15	38000	29.5	2.1
21...	1439	20	40000	29.5	2.4
25...	1235	1.0	31000	29.0	1.8
25...	1236	5.0	32000	29.0	1.3
25...	1237	10	33000	29.0	1.6
25...	1238	15	33000	29.0	1.7
25...	1239	20	36000	28.5	2.1

02480210 - PASCAGOULA RIVER AT HWY 90 AT PASCAGOULA, MISS. (LAT 30 22 18 LONG 088 33 46)

SEP.. 1972					
13...	1555	1.0	30000	29.0	6.3
13...	1556	5.0	30000	28.5	5.2
13...	1557	10	30000	28.0	4.9
13...	1558	15	30000	28.0	4.9
13...	1559	18	30000	28.0	4.9
17...	1440	1.0	18500	30.0	4.6
17...	1441	5.0	18000	30.0	4.1
17...	1442	10	20000	30.0	4.1
17...	1443	15	22000	30.0	3.7
14...	1715	1.0	37000	31.0	4.7
14...	1716	5.0	38000	31.0	4.0
14...	1717	10	40000	30.5	4.4
14...	1718	14	40000	30.0	4.8
21...	1430	1.0	33000	30.0	4.4
21...	1431	5.0	35000	30.0	4.3
21...	1432	10	36000	30.0	4.6
21...	1433	14	40000	30.0	3.8
24...	1225	1.0	32000	28.0	2.9
24...	1226	5.0	32000	28.0	2.3
25...	1227	10	34000	28.0	2.4
25...	1228	15	37000	28.0	2.6

PASCAGOULA AND ESCATAWPA RIVERS--CONTINUED

DATE	TIME	DEPTH (FT)	SPE- CIFIC CON- DUCT- ANCE (MICHOH- MHOS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
024R0212 - PASCAGOULA RIVER AT MI 1 AT PASCAGOULA, MS. (LAT 30 21 42 LONG 088 33 57)					
SEP.. 1972					
13...	1540	1.0	35000	29.0	7.0
13...	1541	5.0	37000	28.5	4.9
13...	1542	10	40000	28.0	4.9
13...	1543	15	40000	28.0	4.9
13...	1544	20	40000	28.0	4.6
13...	1545	25	40000	28.0	4.2
13...	1546	30	41000	28.0	3.8
17...	1535	1.0	29000	30.0	4.3
17...	1536	5.0	30000	30.0	4.2
17...	1537	10	32000	29.0	3.5
17...	1538	15	35000	29.0	4.2
17...	1539	20	36000	29.0	3.7
17...	1540	25	38000	29.0	2.8
17...	1541	30	40000	28.5	2.7
18...	1710	1.0	38000	31.0	5.7
18...	1711	5.0	39000	30.5	4.9
18...	1712	10	45000	30.0	4.0
18...	1713	15	52000	29.5	3.3
18...	1714	20	55000	29.0	2.7
18...	1715	25	57000	29.0	3.0
18...	1716	30	57000	29.0	2.8
21...	1425	1.0	37000	30.0	5.6
21...	1426	5.0	38000	30.0	5.6
21...	1427	10	40000	30.0	5.1
21...	1428	15	40000	29.5	3.7
21...	1429	20	41000	29.5	3.5
21...	1430	25	42000	29.5	3.1
21...	1431	30	43000	29.0	2.5
21...	1432	35	43000	29.0	2.3
21...	1433	40	43000	29.0	2.2
25...	1215	1.0	32000	28.0	3.2
25...	1216	5.0	35000	28.0	3.0
25...	1217	10	38000	28.0	3.5
25...	1218	15	39000	28.0	3.9
25...	1219	20	40000	28.0	4.2
25...	1220	25	40000	28.0	4.8
25...	1221	30	40000	28.0	4.9
25...	1222	35	40000	28.0	4.8
25...	1223	40	40000	28.0	4.7

024R0215 - PASCAGOULA RIVER AT MI 0 AT PASCAGOULA, MS. (LAT 30 20 48 LONG 088 34 03)

SEP.. 1972					
13...	1515	1.0	40000	29.0	6.7
13...	1516	5.0	40000	29.0	7.0
13...	1517	10	42500	29.0	8.2
13...	1518	15	42500	29.0	8.5
13...	1519	20	45000	29.0	7.3
13...	1520	25	45000	29.0	6.7
13...	1521	30	40000	29.0	6.0
13...	1522	35	40000	29.0	6.0
13...	1523	40	42500	28.5	4.7
13...	1524	45	42500	29.0	4.2
17...	1425	1.0	38000	29.0	5.1
17...	1426	5.0	38000	29.0	5.6
17...	1427	10	39000	29.5	7.1
17...	1428	15	39000	29.0	7.0
17...	1429	20	40000	29.0	5.3
18...	1700	1.0	40000	30.0	5.9
18...	1701	5.0	45000	30.0	4.9
18...	1702	10	50000	30.0	6.1
18...	1703	15	50000	29.5	5.0
18...	1704	20	52000	28.5	4.5
18...	1705	25	55000	28.5	3.7
18...	1706	30	57000	28.5	3.7
18...	1707	35	60000	28.5	2.6
21...	1415	1.0	27000	30.0	6.7
21...	1416	5.0	40000	30.0	6.3
21...	1417	10	41000	30.0	4.2
21...	1418	15	42000	29.5	3.8
21...	1419	20	45000	29.5	3.5
21...	1420	25	45000	29.5	3.1
21...	1421	30	45000	29.0	2.8
21...	1422	35	45000	29.0	2.3
25...	1205	1.0	32000	28.5	4.0
25...	1206	5.0	32000	28.5	3.5
25...	1207	10	35000	28.5	4.3
25...	1208	15	38000	28.0	5.7
25...	1209	20	39000	28.0	5.5
25...	1210	25	39000	28.0	5.7
25...	1211	30	40000	28.0	5.9
25...	1212	35	40000	28.0	5.5

PASCAGOULA AND ESCATAWPA RIVERS.--CONTINUED

DATE	TIME	DEPTH (FT)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
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02480218 - WEST PASCAGOULA RIVER AT MI 17 NR COLL TOWN, MS. (LAT 30 31 00 LONG 088 36 40)

SEP., 1972

14...	1600	1.0	85	30.0	7.4
14...	1601	5.0	85	30.0	7.4
14...	1602	10	85	30.0	7.4
14...	1603	15	85	30.0	7.4
14...	1604	20	85	30.0	7.4
19...	1900	1.0	85	29.0	5.9
19...	1901	5.0	85	29.5	5.9
19...	1902	10	85	29.0	5.9
19...	1903	15	85	29.5	5.9
19...	1904	20	85	29.5	5.9
27...	1515	1.0	85	28.5	5.8
27...	1516	5.0	85	28.5	5.8
27...	1517	10	85	28.5	5.8
27...	1518	15	85	28.0	5.7
27...	1519	18	85	28.0	5.7

303034088370400 - WEST PASCAGOULA RIVER AT MI 16

024802201 (LAT 30 30 34 LONG 088 37 04)

SEP., 1972

14...	1610	1.0	475	30.0	7.3
14...	1611	5.0	500	30.0	7.1
14...	1612	10	700	29.5	6.7
14...	1613	15	15000	29.0	2.2
14...	1614	20	27000	29.0	.4
14...	1615	25	28000	29.0	.4
19...	1905	1.0	550	29.0	5.7
19...	1906	5.0	600	29.0	5.7
19...	1907	10	700	29.0	5.6
19...	1908	15	1300	29.0	5.2
19...	1909	20	9000	29.0	3.0
19...	1910	25	27000	29.0	.3
27...	1500	1.0	400	28.5	5.3
27...	1501	5.0	400	28.5	5.3
27...	1502	10	400	28.5	5.3
27...	1503	15	450	28.0	5.3
27...	1504	20	475	28.0	5.3
27...	1505	25	850	28.0	4.7
27...	1506	30	15000	28.0	4.7

303000088364400 - WEST PASCAGOULA RIVER AT MI 15

024802202 (LAT 30 30 00 LONG 088 36 44)

SEP., 1972

14...	1615	1.0	4000	30.0	7.1
14...	1616	5.0	4250	30.0	6.5
14...	1617	10	5500	29.5	5.6
14...	1618	15	17000	29.0	2.2
14...	1619	20	22000	29.0	.4
19...	1910	1.0	1500	29.0	5.5
19...	1911	5.0	2000	29.0	5.5
19...	1912	10	2000	29.0	5.2
19...	1913	15	8000	29.0	1.7
27...	1455	1.0	1200	28.5	5.1
27...	1456	5.0	1200	28.0	4.9
27...	1457	10	1300	28.0	4.9
27...	1458	15	1400	28.0	4.9
27...	1459	20	1500	28.0	4.7

302922088365000 - WEST PASCAGOULA RIVER AT MI 14

024802203 (LAT 30 29 22 LONG 088 36 50)

SEP., 1972

14...	1630	1.0	4750	30.0	7.0
14...	1631	5.0	6000	30.0	6.5
14...	1632	10	10000	29.5	5.4
19...	1915	1.0	3000	29.0	5.4
19...	1916	5.0	4000	29.0	5.0
27...	1450	1.0	2000	28.0	5.0
27...	1451	5.0	2400	28.0	4.7
27...	1452	9.0	2600	28.0	4.4

PASCAGOULA AND ESCATAWPA RIVERS---CONTINUED

DATE	TIME	DEPTH (FT)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
302940088361800 - WEST PASCAGOULA RIVER AT MI 13			024802204 (LAT 30 29 40 LONG 088 36 18)		
SEP.. 1972					
14...	1635	1.0	7500	30.0	7.0
14...	1636	5.0	8000	30.0	6.7
14...	1637	10	10000	30.0	4.7
14...	1638	15	29000	29.5	.4
14...	1639	20	33000	29.0	.5
19...	1920	1.0	4900	29.0	5.3
19...	1921	5.0	5200	29.0	5.1
19...	1922	10	8500	29.0	4.3
19...	1923	15	22000	29.0	1.2
27...	1445	1.0	3400	28.5	4.7
27...	1446	5.0	3400	28.5	4.6
27...	1447	10	3500	28.5	4.6
27...	1448	15	4500	28.0	4.0
27...	1449	19	5700	28.0	3.8
302852088363600 - WEST PASCAGOULA RIVER AT MI 12			024802205 (LAT 30 28 52 LONG 088 36 36)		
SEP.. 1972					
14...	1645	1.0	12000	30.0	8.2
14...	1646	5.0	12500	30.0	6.6
14...	1647	10	14000	30.0	5.1
14...	1648	15	22000	29.0	1.6
14...	1649	20	24000	29.0	.4
14...	1650	25	25000	29.0	.4
14...	1651	30	28000	29.5	.4
14...	1652	35	26000	29.5	.4
19...	1930	1.0	5200	29.0	5.3
19...	1931	5.0	5400	29.0	5.1
19...	1932	10	8000	29.0	4.6
19...	1933	15	20000	29.0	1.5
19...	1934	20	23000	29.0	1.0
19...	1935	25	27000	29.0	.5
19...	1936	30	35000	29.0	.3
19...	1937	35	36000	29.0	.3
27...	1435	1.0	5000	29.0	4.7
27...	1436	5.0	5000	29.0	4.5
27...	1437	10	5300	28.5	4.3
27...	1438	15	5500	28.5	4.3
27...	1439	20	5800	28.0	4.1
27...	1440	25	7000	28.0	3.6
27...	1441	30	18000	28.0	2.1
27...	1442	35	23000	28.0	1.2
302822088361800 - WEST PASCAGOULA RIVER AT MI 11			024802211 (LAT 30 28 22 LONG 088 36 18)		
SEP.. 1972					
14...	1655	1.0	13000	30.0	7.7
14...	1656	5.0	13000	30.0	7.5
14...	1657	10	15000	29.5	4.8
14...	1658	15	22000	29.0	1.8
14...	1659	20	24000	29.0	.8
19...	1940	1.0	8700	29.0	5.3
19...	1941	5.0	9000	29.0	5.1
19...	1942	10	9500	29.0	4.0
19...	1943	15	10000	29.0	2.0
19...	1944	20	10000	29.0	1.2
27...	1430	1.0	6500	28.0	4.5
27...	1431	5.0	6500	28.5	4.2
27...	1432	10	7000	28.5	4.1
27...	1433	15	8000	28.0	3.7
27...	1434	20	10000	28.0	3.2

PASCAGOULA AND ESCATAWPA RIVERS.--CONTINUED

DATE	TIME	DEPTH (FT)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
302736088362600 - WEST PASCAGOULA RIVER AT MI 10			024802212 (LAT 30 27 36 LONG 088 36 26)		
SEP.. 1972					
14...	1705	1.0	9000	30.0	8.3
14...	1706	5.0	10000	29.5	7.0
14...	1707	10	13000	29.0	4.8
14...	1708	15	24000	29.0	2.2
14...	1709	20	28000	29.0	1.1
14...	1710	25	28000	29.0	.7
14...	1711	30	29000	29.0	.7
19...	1445	1.0	8500	29.0	5.5
19...	1446	5.0	8500	29.0	5.2
19...	1447	10	9500	29.0	3.2
19...	1448	15	9500	29.0	1.5
19...	1449	20	10000	29.0	1.2
19...	1450	25	10000	29.0	1.2
27...	1425	1.0	10000	29.0	4.4
27...	1426	5.0	11000	29.0	4.2
27...	1427	10	11000	29.0	4.2
27...	1428	15	13000	28.5	3.5
27...	1429	20	13500	28.0	3.2
27...	1430	25	15000	28.0	2.7
27...	1431	30	17000	28.0	2.6
27...	1432	35	30000	28.0	1.7
302740088364600 - WEST PASCAGOULA RIVER AT MI 9			024802213 (LAT 30 27 40 LONG 088 36 46)		
SEP.. 1972					
14...	1710	1.0	10000	29.5	8.6
14...	1711	5.0	11000	29.5	6.7
14...	1712	10	18000	29.0	4.4
14...	1713	15	25000	28.5	2.6
19...	1455	1.0	9000	29.0	5.3
19...	1456	5.0	9000	29.0	5.2
19...	1457	10	9500	29.0	2.7
19...	1458	15	10000	29.0	1.5
19...	1459	20	10000	29.0	1.2
19...	2000	25	10000	29.5	1.3
19...	2001	30	10000	29.5	1.1
19...	2002	35	10000	29.0	.2
19...	2003	40	10000	29.0	.2
27...	1415	1.0	12000	29.0	4.3
27...	1416	5.0	12000	29.0	3.9
27...	1417	10	13000	28.5	3.8
302715088372400 - WEST PASCAGOULA RIVER AT MI 8			024802701 (LAT 30 27 16 LONG 088 37 24)		
SEP.. 1972					
14...	1720	1.0	12000	29.5	8.7
14...	1721	5.0	12500	29.5	7.1
14...	1722	10	22000	29.0	3.7
14...	1723	15	26000	28.5	2.6
19...	2010	1.0	9500	29.0	5.3
19...	2011	5.0	9500	29.0	5.1
19...	2012	10	10000	29.5	2.7
19...	2013	15	10000	29.5	1.9
27...	1410	1.0	10500	29.0	4.1
27...	1411	5.0	11000	29.0	3.8
27...	1412	10	15000	28.5	2.7
27...	1413	15	16000	28.0	2.6
302640088371200 - WEST PASCAGOULA RIVER AT MI 7			024902702 (LAT 30 26 40 LONG 088 37 12)		
SEP.. 1972					
14...	1725	1.0	17000	29.0	9.7
14...	1726	5.0	17500	29.0	7.6
14...	1727	10	23500	28.5	3.5
14...	1728	15	28000	28.5	2.6
14...	1729	20	29000	28.5	2.2
19...	2020	1.0	9500	29.0	5.4
19...	2021	5.0	12000	29.5	4.7
19...	2022	10	13000	30.0	2.5
19...	2023	15	14000	30.0	1.5
27...	1405	1.0	14000	28.5	4.0
27...	1406	5.0	16000	28.5	3.8
27...	1407	10	19000	28.0	2.7
27...	1408	15	20000	28.0	2.6
27...	1409	19	22000	28.0	2.6

PASCAGOULA AND ESCATAWPA RIVERS---CONTINUED

DATE	TIME	DEPTH (FT)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
302558088364400 - WEST PASCAGOULA RIVER AT MI 6			024802703 (LAT 30 25 58 LONG 088 36 44)		
SEP.. 1972					
14...	1735	1.0	20000	29.0	8.5
14...	1736	5.0	19500	29.0	7.7
14...	1737	10	19500	28.5	4.6
14...	1738	15	29000	28.0	2.9
19...	2035	1.0	13000	29.0	5.5
19...	2036	5.0	13000	29.0	5.3
19...	2037	10	13000	29.5	3.2
19...	2038	15	14000	29.5	1.9
27...	1400	1.0	16000	29.0	3.7
27...	1401	5.0	16000	28.5	2.8
27...	1402	10	21000	28.0	2.8
27...	1403	15	18000	28.0	2.8
302514088365800 - WEST PASCAGOULA RIVER AT MI 5			024802705 (LAT 30 25 14 LONG 088 36 58)		
SEP.. 1972					
14...	1745	1.0	21000	29.0	8.7
14...	1746	5.0	19000	29.0	5.1
14...	1747	10	22000	29.0	4.4
14...	1748	15	24000	29.0	3.9
14...	1749	20	25000	28.5	3.7
19...	2045	1.0	12000	29.5	5.5
19...	2046	5.0	13000	30.0	5.0
19...	2047	10	14000	30.0	3.5
19...	2048	15	14000	30.0	2.7
19...	2049	20	15000	30.0	2.0
27...	1355	1.0	22000	28.5	3.2
27...	1356	5.0	22000	28.0	2.7
27...	1357	10	24000	28.0	2.5
27...	1358	15	24000	28.0	2.3
27...	1359	20	24000	28.0	2.3
302436088370600 - WEST PASCAGOULA RIVER AT MI 4			024802706 (LAT 30 24 36 LONG 088 37 06)		
SEP.. 1972					
14...	1705	1.0	23000	29.5	9.1
14...	1706	5.0	24000	29.5	7.7
14...	1707	10	28000	29.0	5.4
14...	1708	15	30000	29.0	5.2
14...	1709	20	32000	29.0	4.2
14...	1710	25	32000	29.0	3.7
14...	1711	30	29000	29.0	3.2
14...	1712	35	29000	30.0	3.2
14...	1713	40	34000	29.0	3.2
19...	2055	1.0	13000	29.0	5.5
19...	2056	5.0	13000	29.0	5.1
19...	2057	10	14000	30.0	3.5
19...	2058	15	15000	30.0	3.5
19...	2059	20	15000	30.0	3.5
19...	2100	25	16000	30.0	3.1
19...	2101	30	16000	30.0	2.7
19...	2102	35	16000	30.0	2.7
19...	2103	40	16000	30.0	2.7
19...	2104	45	16000	30.0	2.7
27...	1345	1.0	24000	28.5	3.1
27...	1346	5.0	25000	28.0	2.9
27...	1347	10	25000	28.0	2.9
27...	1348	15	25000	28.0	3.0
27...	1349	20	25000	28.0	3.0
27...	1350	25	25000	28.0	3.0
27...	1351	30	25000	28.0	2.6
27...	1352	35	26000	28.0	2.5
302352088363400 - WEST PASCAGOULA RIVER AT MI 3			024802711 (LAT 30 23 52 LONG 088 36 34)		
SEP.. 1972					
14...	1805	1.0	26000	29.0	7.7
14...	1806	5.0	27500	29.0	7.2
14...	1807	10	31000	29.0	4.7
14...	1808	15	33000	29.0	3.8
14...	1809	20	34000	29.0	3.4
27...	1340	1.0	21000	28.0	3.3
27...	1341	5.0	22000	28.0	2.6
27...	1342	10	22000	28.0	2.6
27...	1343	15	22000	28.0	2.6

PASCAGOULA AND ESCATAWPA RIVERS.--CONTINUED

DATE	TIME	DEPTH (FT)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
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02490285 - WEST PASCAGOULA RIVER AT HWY 90 AT GAUTIER, MISS (LAT 30 22 58 LONG 088 36 32)

SEP.. 1972

14...	1815	1.0	30000	29.0	7.8
14...	1816	5.0	30000	29.0	6.7
14...	1817	10	31000	29.0	4.6
14...	1818	15	33000	29.0	4.6
14...	1819	20	34000	29.0	4.5
19...	2105	1.0	14000	29.0	5.4
19...	2106	5.0	14000	29.0	5.2
19...	2107	10	15000	30.0	3.7
19...	2108	15	15000	30.0	3.5
19...	2109	20	16000	30.0	3.1
27...	1311	1.0	26000	29.0	3.2
27...	1312	5.0	28000	28.5	2.7
27...	1313	10	30000	28.5	2.3
27...	1314	15	31000	28.0	2.0
27...	1315	20	34000	28.0	1.4
27...	1316	25	36000	28.0	1.9

302212088362200 - WEST PASCAGOULA RIVER AT MI 1

024802851 (LAT 30 22 12 LONG 088 36 22)

SEP.. 1972

14...	1820	1.0	32000	29.0	8.9
14...	1821	5.0	32000	29.0	9.0
14...	1822	10	38000	30.0	9.6
19...	2115	1.0	15000	30.0	5.4
19...	2116	5.0	15000	30.0	5.2
19...	2117	10	16000	30.0	5.1
27...	1300	1.0	33000	28.5	3.8
27...	1301	5.0	33000	28.0	3.0

02480180 - ESCATAWPA RIVER AT MI 13 NR ORANGE GROVE, MS. (LAT 30 27 52 LONG 088 26 58)

AUG.. 1972

17...	1840	1.0	40	27.0	7.7
17...	1841	5.0	40	27.0	7.7
17...	1842	10	40	27.0	7.6

302715088270700 - ESCATAWPA RIVER AT MI 12

024801804 (LAT 30 27 15 LONG 088 27 07)

AUG.. 1972

17...	1830	1.0	320	27.0	7.1
17...	1831	5.0	420	27.0	7.0
17...	1832	10	730	27.0	6.0
17...	1833	15	>4000	28.5	.2

302628088271000 - ESCATAWPA RIVER AT MI 11

024801806 (LAT 30 26 28 LONG 088 27 10)

AUG.. 1972

14...	1435	1.0	46	29.0	7.9
14...	1436	5.0	46	29.0	7.8
14...	1437	10	46	29.0	7.6
14...	1438	15	46	29.0	4.0
17...	1820	1.0	1050	27.5	6.8
17...	1821	5.0	1200	28.0	6.4
17...	1822	10	2000	28.0	4.3
17...	1823	14	>4000	29.5	.1
18...	1425	1.0	2200	28.0	6.1
18...	1426	5.0	2400	28.0	5.6
18...	1427	10	4500	29.5	4.3
18...	1428	14	19000	--	--

PASCAHOULA AND ESCATAWPA RIVERS.--CONTINUED

DATE	TIME	DEPTH (FT)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
024R0182 - ESCATAWPA RIVER AT MI 10 NR MOSS POINT, MS. (LAT 30 26 01 LONG 088 27 45)					
AUG., 1972					
11...	0001	1.0	56	28.0	6.3
11...	0002	5.0	56	28.0	6.3
11...	0003	10	56	27.5	6.1
11...	0004	15	56	27.5	6.1
12...	2025	1.0	46	29.0	6.3
12...	2026	5.0	46	29.0	5.8
12...	2027	10	50	29.0	5.6
12...	2028	15	52	29.0	5.5
12...	2029	17	52	29.0	5.3
13...	1251	1.0	50	30.0	7.7
13...	1252	5.0	50	30.0	7.7
13...	1253	10	50	30.0	7.5
13...	1254	15	250	30.0	7.0
13...	1255	18	800	30.0	6.5
14...	1425	1.0	400	29.0	7.6
14...	1426	5.0	440	29.0	7.4
14...	1427	10	1000	29.0	6.6
14...	1428	13	3200	29.0	4.0
15...	1545	1.0	150	28.5	4.2
15...	1546	5.0	300	28.5	8.0
15...	1547	10	500	28.0	7.5
15...	1548	15	>4000	30.0	.2
16...	1730	1.0	600	29.0	7.1
16...	1731	5.0	750	29.0	4.8
16...	1732	10	1800	28.0	3.3
16...	1733	15	30000	29.5	1.4
17...	1810	1.0	900	28.0	7.0
17...	1811	5.0	950	28.0	6.4
17...	1812	10	1800	27.5	4.0
17...	1813	15	>4000	27.5	.1
18...	1915	1.0	2400	29.0	5.7
18...	1916	5.0	2600	30.0	5.7
18...	1917	10	5000	30.0	3.4
18...	1918	15	25000	31.0	.4
19...	2005	1.0	260	28.5	6.5
19...	2006	5.0	240	29.0	6.5
19...	2007	10	320	29.0	5.0
19...	2008	15	1600	29.0	1.3

024R0183 - ESCATAWPA RIVER AT MI 9 NR MOSS POINT, MS. (LAT 30 26 22 LONG 088 28 18)

AUG., 1972					
10...	2345	1.0	65	28.5	6.3
10...	2346	5.0	72	28.5	6.2
10...	2347	10	72	28.5	6.2
10...	2348	15	72	28.5	6.1
10...	2349	20	72	28.0	6.0
10...	2350	25	72	27.5	5.7
10...	2351	26	72	27.5	5.7
12...	0015	1.0	40	30.0	7.2
12...	0016	5.0	42	30.0	7.0
12...	0017	10	45	30.0	6.9
12...	0018	15	40	30.0	6.9
12...	0019	20	40	30.0	6.5
12...	0020	25	75	30.0	6.3
12...	0021	29	78	30.0	6.3
12...	2015	1.0	260	29.0	5.7
12...	2016	5.0	340	29.0	5.3
12...	2017	10	450	29.0	5.1
12...	2018	15	>4000	30.0	.0
12...	2019	20	>4000	30.0	.0
12...	2020	24	>4000	30.0	.0
13...	1245	1.0	430	30.5	7.7
13...	1246	5.0	650	30.0	7.7
13...	1247	10	1100	30.0	5.0
13...	1248	15	>4000	30.5	.0
13...	1249	20	22000	30.5	.0
13...	1250	25	22000	30.5	.0
14...	1415	1.0	1200	29.5	7.5
14...	1416	5.0	1400	29.5	7.2
14...	1417	10	10000	30.0	.1
14...	1418	15	18000	30.0	.1
14...	1419	20	19000	30.0	.1
15...	1540	1.0	700	29.0	8.1
15...	1541	5.0	1040	28.5	7.4
15...	1542	10	1500	28.5	7.2
15...	1543	15	20000	30.0	.2
15...	1544	20	25000	30.0	.2
15...	1545	25	30000	30.0	.2
16...	1718	1.0	1300	29.0	6.9
16...	1719	5.0	1400	29.0	5.1
16...	1720	10	6000	28.5	4.2

PASCAGOULA AND ESCATAWPA RIVERS.--CONTINUED

DATE	TIME	DEPTH (FT)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
02490183 - ESCATAWPA RIVER AT MI 9 NR MOSS POINT, MS. (LAT 30 26 22 LONG 088 28 18)					
AUG.. 1972					
16...	1721	15	25000	29.5	.4
16...	1722	20	25000	30.0	.4
16...	1723	25	30000	30.0	.4
17...	1800	1.0	1150	28.0	6.6
17...	1801	5.0	1600	28.0	6.4
17...	1802	10	4200	28.0	3.0
17...	1803	15	22000	29.0	.0
17...	1804	20	25000	29.5	.0
17...	1805	25	30000	30.0	.0
18...	1910	1.0	3000	28.0	5.7
18...	1911	5.0	3000	29.0	5.5
18...	1912	10	3600	29.5	4.7
18...	1913	15	20000	30.5	.4
19...	1950	1.0	300	27.0	6.2
19...	1951	5.0	340	27.5	6.2
19...	1952	10	550	28.0	5.2
19...	1953	15	1600	28.5	1.4
19...	1954	20	22000	29.0	1.3

DATE	TIME	DEPTH (FT)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
02490184 - ESCATAWPA RIVER AT MI 8 NR MOSS POINT, MS. (LAT 30 26 14 LONG 088 28 48)						
AUG.. 1972						
10...	2320	1.0	750		28.5	6.0
10...	2321	5.0	750		28.0	5.9
10...	2322	10	800		28.0	5.8
10...	2323	15	2800		27.5	3.4
10...	2324	20	>4500		25.5	.8
10...	2325	21	>4500		25.5	.8
12...	0001	1.0	1400		31.0	6.3
12...	0002	5.0	1500		31.0	6.0
12...	0003	10	1800		30.0	4.7
12...	0004	15	18500		30.0	.2
12...	0005	20	18500		30.0	.2
12...	0006	25	19000		30.0	.1
12...	0007	30	19000		30.0	.0
12...	1455	1.0	1200		29.0	5.0
12...	1456	5.0	1400		29.0	4.8
12...	1457	10	1400		29.0	4.5
12...	1458	15	>4000		29.0	.2
12...	1459	20	>4000		29.0	.1
12...	2000	25	>4000		29.0	.1
12...	2001	30	>4000		29.0	.1
12...	2002	35	>4000		29.0	.0
12...	2003	40	>4000		29.0	.0
12...	2004	45	>4000		30.0	.0
12...	2005	50	>4000		30.0	.0
13...	1230	1.0	1200		30.0	7.2
13...	1231	5.0	1400		30.0	7.0
13...	1232	10	--		30.0	.2
13...	1233	15	--		31.0	.2
13...	1234	20	--		31.0	.2
13...	1235	25	18000		31.0	.0
13...	1236	30	22000		31.0	.0
13...	1237	35	24000		30.5	.0
13...	1238	40	25000		31.0	.0
13...	1239	45	27000		31.0	.0
14...	1404	1.0	3400		29.5	6.0
14...	1405	5.0	3400		29.5	5.6
14...	1406	10	20000		30.0	.1
14...	1407	15	28000		30.0	.1
14...	1408	20	30000		30.0	.0
14...	1409	25	30000		30.0	.0

ANALYSES OF SAMPLES COLLECTED DURING SHORT-TERM INTENSIVE STUDIES

PASCAGOULA AND ESCATAWPA RIVERS--CONTINUED

DATE	TIME	DEPTH (FT)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
02480144 - ESCATAWPA RIVER AT MI 8 NR MOSS POINT, MS. (LAT 30 26 14 LONG 088 28 48)					
AUG.. 1972					
15...	1525	1.0	2500	29.0	7.2
15...	1526	5.0	2500	29.0	6.7
15...	1527	10	18000	29.5	.5
15...	1528	15	25000	30.0	.1
15...	1529	20	28000	30.0	.1
15...	1530	25	30000	30.0	.0
15...	1531	30	30000	30.0	.0
15...	1532	35	30000	30.0	.0
15...	1533	40	30000	30.0	.0
15...	1534	44	30000	30.0	.0
16...	1657	1.0	2500	29.0	6.1
16...	1658	5.0	2700	29.0	5.4
16...	1659	10	22500	29.0	4.0
16...	1700	15	40000	29.0	.0
16...	1701	20	40000	29.0	.0
16...	1702	25	30000	30.0	.0
16...	1703	30	40000	30.0	.0
16...	1704	35	40000	30.0	.0
16...	1705	40	40000	30.0	.0
17...	1750	1.0	3000	28.0	5.9
17...	1751	5.0	3400	28.0	5.9
17...	1752	10	12000	28.0	5.6
17...	1753	15	25000	28.5	.0
17...	1754	20	26000	28.5	.0
17...	1755	25	28000	29.0	.0
17...	1756	30	28000	29.0	.0
17...	1757	35	28000	29.0	.0
18...	1905	1.0	4500	29.0	4.7
18...	1906	5.0	4500	30.0	4.4
18...	1907	10	5250	30.0	4.1
18...	1908	15	25000	30.0	.3
19...	1935	1.0	4500	29.0	5.4
19...	1936	5.0	5000	29.0	5.2
19...	1937	10	5000	29.0	5.0
19...	1938	15	18000	29.0	1.4
19...	1939	20	18000	29.0	1.4
19...	1940	25	22000	29.5	1.4
19...	1941	30	22000	29.5	1.4

3025410RH290100 - ESCATAWPA RIVER AT MI 7

024802053 (LAT 30 25 41 LONG 088 29 01)

AUG.. 1972					
10...	2300	1.0	1700	29.5	5.2
10...	2301	5.0	1800	29.5	5.0
10...	2302	10	2500	29.5	4.2
10...	2303	15	>4500	29.5	.3
10...	2304	17	>4500	29.5	.3
11...	2350	1.0	2200	30.0	5.3
11...	2351	5.0	2200	30.0	5.0
11...	2352	10	8000	30.0	.5
11...	2353	15	20000	30.0	.0
11...	2354	18	20000	30.0	.0
12...	1445	1.0	1600	29.0	4.6
12...	1446	5.0	1800	29.0	4.1
12...	1447	10	>4000	29.0	.0
12...	1448	15	>4000	29.0	.0
12...	1449	17	>4000	29.0	.0
13...	1220	1.0	2000	30.0	6.1
13...	1221	5.0	3300	30.0	5.5
13...	1222	10	22000	30.0	.0
13...	1223	15	25000	30.5	.0
13...	1224	17	25000	30.5	.0
14...	1355	1.0	3800	30.0	5.5
14...	1356	5.0	4000	30.0	5.0
14...	1357	10	20000	30.0	.1
14...	1358	15	28000	30.0	.1
15...	1520	1.0	3800	29.5	5.9
15...	1521	5.0	4100	29.5	5.4
15...	1522	10	20000	30.0	.2
15...	1523	15	25000	30.0	.2
16...	1653	1.0	4500	29.0	6.4
16...	1654	5.0	4600	29.0	5.9
16...	1655	10	25000	29.5	.5
16...	1656	15	27000	29.5	.5
17...	1740	1.0	4500	28.0	5.0
17...	1741	5.0	4500	28.0	4.5
17...	1742	10	19000	28.0	.1
17...	1743	15	30000	28.5	.1
18...	1855	1.0	6500	29.0	3.7
18...	1856	5.0	6500	29.0	3.3
18...	1857	10	8500	29.5	1.3
18...	1858	15	25000	30.0	.1

PASCAGOULA AND ESCATAWPA RIVERS.--CONTINUED

DATE	TIME	DEPTH (FT)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
302541088290100 - ESCATAWPA RIVER AT MI 7			024802053 (LAT 30 25 41 LONG 088 29 01)		
AUG., 1972					
19...	1925	1.0	7000	28.0	4.6
19...	1926	5.0	7000	28.0	4.2
19...	1927	10	8500	28.5	2.8
19...	1928	15	20000	29.0	1.0
302512088292200 - ESCATAWPA RIVER AT MI 6			024802054 (LAT 30 25 12 LONG 088 29 22)		
AUG., 1972					
10...	2235	1.0	2500	29.5	3.5
10...	2236	5.0	3500	29.5	3.0
10...	2237	10	4500	29.5	1.3
10...	2238	15	4500	29.5	.3
10...	2239	16	4500	29.5	.3
11...	2225	1.0	3800	31.5	3.9
11...	2226	5.0	3800	31.5	3.3
11...	2227	10	14000	31.5	.1
11...	2228	15	25000	31.0	.0
11...	2229	17	25000	31.0	.0
12...	1935	1.0	2500	29.0	3.7
12...	1936	5.0	2500	29.0	3.1
12...	1937	10	>4000	29.0	.0
12...	1938	15	>4000	29.0	.0
12...	1939	17	>4000	29.0	.0
13...	1210	1.0	2700	30.5	5.4
13...	1211	5.0	2700	30.5	4.0
13...	1212	10	>4000	30.5	.0
13...	1213	15	>4000	30.5	.0
14...	1345	1.0	4700	29.5	5.2
14...	1346	5.0	5500	29.5	3.4
14...	1347	10	23000	30.0	.1
14...	1348	15	28000	30.0	.1
15...	1510	1.0	3500	29.5	5.7
15...	1511	5.0	4000	29.5	4.2
15...	1512	10	>4000	29.0	.2
15...	1513	15	30000	29.0	.1
16...	1643	1.0	6250	30.0	5.0
16...	1644	5.0	9000	29.0	3.4
16...	1645	10	30000	29.0	.3
16...	1646	15	40000	29.0	.3
17...	1729	1.0	5800	29.0	4.5
17...	1730	5.0	6500	28.5	2.6
17...	1731	10	18000	28.5	.1
17...	1732	15	28000	29.0	.1
18...	1850	1.0	7000	30.0	3.3
18...	1851	5.0	8500	30.5	2.4
18...	1852	10	14000	31.0	.0
18...	1853	15	25000	31.5	.0
19...	1858	1.0	8000	29.0	4.2
19...	1859	5.0	9000	29.0	3.1
19...	1900	10	14000	29.0	1.5
19...	1901	15	25000	29.0	1.0

DASCAGOULA AND ESCATAWPA RIVERS.--CONTINUED

DATE TIME DEPTH (FT) SPE- CIFIC CON- DUCT- ANCE (MICHO- MMOS) TEMPER- ATURE (DEG C) DIS- SOLVED OXYGEN (MG/L)

3025150R8301300 - ESCATAWPA RIVER AT MI 5 024802055 (LAT 30 25 15 LONG 088 30 13)

AUG., 1972

10...	2220	1.0	--	30.0	.2
10...	2221	5.0	--	30.0	1.8
10...	2222	10	--	30.0	.2
10...	2223	15	--	30.0	.2
10...	2224	19	--	30.0	.2
11...	2220	1.0	4000	33.0	2.0
11...	2221	5.0	4500	31.0	2.8
11...	2222	10	16000	30.5	.1
11...	2223	15	25000	30.5	.0
11...	2224	19	30000	30.0	.0
12...	1930	1.0	2800	31.0	3.0
12...	1931	5.0	2800	30.5	2.7
12...	1932	10	>4000	30.0	.0
12...	1933	15	>4000	30.0	.0
12...	1934	19	>4000	29.5	.0
13...	1140	1.0	3000	35.0	2.5
13...	1141	5.0	3500	31.0	3.2
13...	1142	10	>4000	31.0	.0
13...	1143	15	>4000	30.0	.0
13...	1144	20	>4000	30.0	.0
14...	1337	1.0	5000	30.0	1.2
14...	1338	5.0	6500	30.0	.2
14...	1339	10	7500	30.0	.1
14...	1340	15	40000	30.0	.1
15...	1505	1.0	5500	35.0	3.5
15...	1506	5.0	6500	32.0	3.2
15...	1507	10	22000	31.0	.1
15...	1508	15	30000	30.0	.0
16...	1636	1.0	6250	31.5	--
16...	1637	5.0	10000	30.0	1.3
16...	1638	10	25000	29.5	.2
16...	1639	15	40000	29.5	.3
17...	1725	1.0	4500	35.0	2.3
17...	1726	5.0	7500	31.0	1.5
17...	1727	10	22000	30.0	.1
17...	1728	15	25000	29.0	.1
18...	1840	1.0	9000	34.0	1.3
18...	1841	5.0	10000	31.0	1.4
18...	1842	10	16000	31.0	.0
18...	1843	15	30000	31.0	.0
19...	1854	1.0	7000	34.0	.6
19...	1855	5.0	9500	29.0	.4
19...	1856	10	16000	29.0	.2
19...	1857	15	25000	29.0	.2

302520R8304400 - ESCATAWPA RIVER AT MI 4

024802057 (LAT 30 25 28 LONG 088 30 44)

AUG., 1972

10...	2200	1.0	4500	30.5	.2
10...	2201	5.0	4500	30.5	.2
10...	2202	10	4500	30.0	.2
10...	2203	15	4500	30.0	.2
10...	2204	16	4500	30.0	.2
11...	2200	1.0	5800	31.0	.2
11...	2201	5.0	8500	31.0	.0
11...	2202	9.0	12300	31.0	.0
12...	1915	1.0	3500	30.0	1.8
12...	1916	5.0	4000	30.5	.3
12...	1917	10	>4000	30.0	.0
12...	1918	15	>4000	29.5	.0
13...	1110	1.0	5000	31.0	1.4
13...	1111	5.0	6500	31.0	.8
13...	1112	10	25000	30.5	.4
13...	1113	15	30000	30.0	.0
14...	1328	1.0	7000	30.5	.3
14...	1329	5.0	13000	30.5	.8
14...	1330	10	28000	30.0	.2
14...	1331	15	32000	30.0	.2
15...	1455	1.0	4000	31.0	.2
15...	1456	5.0	8000	30.0	.2
15...	1457	10	20000	30.0	.1
15...	1458	15	33000	29.5	.1
15...	1459	19	34000	29.0	.1
16...	1626	1.0	7500	31.0	.1
16...	1627	5.0	12000	30.0	.0
16...	1628	10	40000	29.0	.0
16...	1629	15	40000	29.0	.1
17...	1715	1.0	10000	30.5	.1
17...	1716	5.0	12000	30.0	.1
17...	1717	10	22000	29.5	.1
17...	1718	15	25000	29.0	.2
18...	1825	1.0	10500	32.0	.2
18...	1826	5.0	10500	32.0	.0
18...	1827	10	20000	32.0	.0
18...	1828	15	25000	31.0	.0
19...	1850	1.0	12000	30.0	.8
19...	1851	5.0	13000	29.5	.8
19...	1852	10	18000	29.5	.7
19...	1853	15	25000	29.0	.7

PASCAGOULA AND ESCATAWPA RIVERS.--CONTINUED

DATE	TIME	DEPTH (FT)	SPE- CIFIC CON- DUCTI- ANCE (MICHO- MHOS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
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302455088313100 - ESCATAWPA RIVER AT MI 3

024802061 (LAT 30 24 55 LONG 088 31 31)

AUG., 1972

11...	2145	1.0	8500	30.5	.2
11...	2146	5.0	9500	31.0	.2
11...	2147	10	21000	30.5	.0
11...	2148	15	32000	30.5	.0
12...	1905	1.0	4000	29.5	.1
12...	1906	5.0	>4000	30.0	.1
12...	1907	10	>4000	30.0	.0
12...	1908	15	>4000	29.5	.0
13...	1055	1.0	6500	31.0	.5
13...	1056	5.0	7500	31.0	.2
13...	1057	10	25000	31.0	.0
13...	1058	15	28000	30.5	.0
14...	1315	1.0	8000	30.0	.3
14...	1316	5.0	13000	30.0	.3
14...	1317	10	26000	30.0	.2
14...	1318	15	40000	29.5	.2
15...	1450	1.0	8000	30.5	.2
15...	1451	5.0	12000	30.0	.1
15...	1452	10	22000	29.5	.1
15...	1453	15	30000	29.0	.0
16...	1616	1.0	9500	31.0	.1
16...	1617	5.0	17000	30.0	.0
16...	1618	10	20000	29.5	.0
16...	1619	15	40000	29.0	.0
17...	1710	1.0	10000	31.0	.0
17...	1711	5.0	15000	30.0	.0
17...	1712	10	20000	29.5	.0
17...	1713	15	27000	29.0	.0
18...	1820	1.0	14000	31.0	.0
18...	1821	5.0	14000	31.5	.0
18...	1822	10	20000	31.0	.0
18...	1823	15	30000	31.0	.0
19...	1835	1.0	12000	31.0	.6
19...	1836	5.0	13000	31.0	.5
19...	1837	10	18000	30.0	.5
19...	1838	15	22000	30.0	.5

302459088320800 - FSCATAWPA RIVER AT MI 2			024802064 (LAT 30 24 59 LONG 088 32 08)		
AUG., 1972					
10...	2135	1.0	4500	31.0	.2
10...	2136	5.0	4500	31.0	.2
10...	2137	10	4500	30.5	.2
10...	2138	15	4500	30.0	.2
10...	2139	20	>5000	30.0	.2
11...	2130	1.0	8000	32.0	.2
11...	2131	5.0	9000	32.0	.2
11...	2132	10	24000	31.0	.0
11...	2133	15	28000	30.5	.0
11...	2134	18	40000	30.0	.0
12...	1915	1.0	4000	30.5	.2
12...	1916	5.0	4000	30.5	.2
12...	1917	10	24000	30.0	.1
12...	1918	15	30000	29.5	.1
12...	1919	20	30000	29.0	.0
13...	1050	1.0	5500	30.5	.5
13...	1051	5.0	7500	30.5	.2
13...	1052	10	20000	30.5	.1
13...	1053	15	25000	30.0	.0
13...	1054	20	26000	30.0	.0
14...	1307	1.0	8000	29.5	.4
14...	1308	5.0	14000	30.0	.3
14...	1309	10	25000	30.0	.3
14...	1310	15	38000	29.5	.3
14...	1311	20	40000	29.5	.3
15...	1440	1.0	8200	30.0	.2
15...	1441	5.0	17500	30.0	.1
15...	1442	10	28000	29.5	.1
15...	1443	15	29000	29.0	.0
15...	1444	20	38000	29.0	.0
16...	1553	1.0	12000	31.0	.1
16...	1554	5.0	18000	31.5	.3
16...	1555	10	20000	30.0	.5
16...	1556	15	20000	30.0	.1
17...	1700	1.0	13000	32.0	.1
17...	1701	5.0	14000	30.5	.1
17...	1702	10	20000	29.5	.1
17...	1703	15	30000	28.5	.1
17...	1704	20	32000	28.0	.1
18...	1805	1.0	10000	34.5	.0

PASCAGOULA AND ESCATAWPA RIVERS.--CONTINUED

DATE	TIME	DEPTH (FT)	SPE- CIFIC CON- DUCT- ANCE (MICHO- MHOS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
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302459088320800 - ESCATAWPA RIVER AT MI 2

024802064 (LAT 30 24 59 LONG 088 32 08)

AUG.. 1972

18...	1806	5.0	13000	33.0	.0
18...	1807	10	14000	32.0	.0
18...	1808	15	27000	32.0	.0
19...	1825	1.0	12000	31.0	.4
19...	1826	5.0	12000	31.0	.3
19...	1827	10	14000	30.0	.3
19...	1828	15	20000	29.5	.2

02480207 - ESCATAWPA RIVER AT MOSS POINT, MISS. (LAT 30 25 35 LONG 088 32 40)

AUG.. 1972

10...	2115	1.0	4500	32.0	.1
10...	2116	5.0	4500	32.0	.1
10...	2117	10	4500	30.5	.1
10...	2118	15	4500	30.0	.2
10...	2119	20	4800	30.0	.2
10...	2120	25	>5000	29.5	.2
10...	2121	30	>5000	29.5	.2
10...	2124	1.0	4500	31.5	2.1
10...	2125	5.0	4500	31.5	.3
10...	2126	8.0	4500	31.0	.3
10...	2127	10	4500	30.0	.3
11...	2115	1.0	8500	32.0	.3
11...	2116	5.0	13000	31.0	.2
11...	2117	10	20000	30.5	.2
11...	2118	15	35000	30.0	.1
11...	2119	20	>40000	30.0	.0
11...	2120	25	>40000	29.5	.0
12...	1850	1.0	4000	31.0	.2
12...	1851	5.0	5000	30.0	.1
12...	1852	10	25000	29.5	.1
12...	1853	15	28000	29.0	.1
12...	1854	20	28000	29.0	.1
12...	1855	25	30000	29.0	.0
12...	1856	26	30000	29.0	.0
13...	1040	1.0	6500	30.5	.1
13...	1041	5.0	11500	31.0	.1
13...	1042	10	25000	30.5	.0
13...	1043	15	30000	30.0	.0
13...	1044	20	32000	30.0	.0
13...	1045	25	38000	30.0	.0
14...	1300	1.0	7500	29.5	.4
14...	1301	5.0	9500	30.0	.4
14...	1302	10	28000	29.5	.3
14...	1303	15	30000	29.0	.3
14...	1304	20	>40000	29.0	.3
14...	1305	25	>40000	29.0	.3
15...	1435	1.0	7500	30.0	.2
15...	1436	5.0	11000	30.0	.1
15...	1437	10	22000	30.0	.1
15...	1438	15	39000	29.5	.0
15...	1439	20	32000	29.0	.0
16...	1548	1.0	11000	31.5	.1
16...	1549	5.0	11000	31.0	.0
16...	1550	10	40000	29.0	.0
16...	1551	15	40000	28.0	.0
16...	1552	20	40000	28.0	.0
17...	1650	1.0	9500	31.0	.1
17...	1651	5.0	1000	31.0	.1
17...	1652	10	4000	29.0	.1
17...	1653	15	7000	28.5	.1
17...	1654	20	30000	28.0	.1
17...	1655	25	30000	28.0	.1
18...	1750	1.0	4000	33.0	.0
18...	1751	5.0	4000	32.5	.0
18...	1752	10	5000	31.5	.0
18...	1753	15	5000	31.0	.0
18...	1754	20	5000	30.5	.0
18...	1755	25	10000	30.0	.0
19...	1815	1.0	12000	30.5	.4
19...	1816	5.0	13000	30.5	.4
19...	1817	10	14000	30.0	.3
19...	1818	15	18000	29.5	.2
19...	1819	20	20000	29.0	.2
19...	1820	25	22000	28.5	.2

ANALYSES OF SAMPLES COLLECTED DURING SHORT-TERM INTENSIVE STUDIES

PASCAGOULA AND ESCATAWPA RIVERS.--CONTINUED

DATE	TIME	DEPTH (FT)	SPE- CIFIC CON- DUCT- ANCE (MICRO)- MHOS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
02480208 - ESCATAWPA RIVER AT MI 0 NR ESCATAWPA, MS. (LAT 30 25 13 LONG 088 33 28)					
AUG., 1972					
11...	2045	1.0	7500	31.0	.2
11...	2046	5.0	9500	31.5	.2
11...	2047	10	30000	30.0	.2
11...	2048	15	38000	29.0	.2
11...	2049	20	42000	29.0	.3
11...	2050	25	42000	28.5	.3
12...	1840	1.0	8500	31.0	.3
12...	1841	5.0	11800	31.0	.3
12...	1842	10	30000	30.0	.3
12...	1843	15	40000	29.5	.3
12...	1844	20	45000	29.5	.3
12...	1845	25	>45000	29.5	.3
12...	1846	28	>45000	29.0	.3
13...	1025	1.0	4000	30.5	2.6
13...	1026	5.0	14000	30.5	.2
13...	1027	10	25000	30.5	.2
13...	1028	15	25000	30.0	.2
13...	1029	20	30000	30.0	.1
13...	1030	25	30000	30.0	.1
13...	1031	28	30000	30.0	.1
14...	1245	1.0	8500	30.0	1.8
14...	1246	5.0	20000	30.0	.3
14...	1247	10	30000	30.0	.3
14...	1248	15	35000	30.0	.3
14...	1249	20	40000	29.0	.3
14...	1250	25	40000	29.0	.3
15...	1425	1.0	8000	31.0	.5
15...	1426	5.0	10000	30.0	.3
15...	1427	10	22000	30.0	.2
15...	1428	15	30000	30.0	.2
15...	1429	20	40000	30.0	.2
15...	1430	25	40000	29.5	.2
16...	1534	1.0	12000	32.0	.1
16...	1535	5.0	14000	31.0	.1
16...	1536	10	40000	31.0	.0
16...	1537	15	40000	30.0	.0
16...	1538	20	40000	30.0	.0
16...	1539	25	40000	30.0	.0
17...	1640	1.0	5800	30.0	3.9
17...	1641	5.0	15000	29.0	.2
17...	1642	10	15000	28.5	.2
17...	1643	15	25000	28.5	.2
17...	1644	20	25000	28.5	.2
17...	1645	25	25000	28.0	.2
18...	1740	1.0	7000	32.0	3.5
18...	1741	5.0	12000	32.0	.1
18...	1742	10	20000	31.0	.0
18...	1743	15	20000	30.5	.0
18...	1744	20	20000	30.0	.0
18...	1745	25	25000	30.0	.0
19...	1800	1.0	7500	30.5	4.1
19...	1801	5.0	9500	31.5	.2
19...	1802	10	17000	30.0	.2
19...	1803	15	19000	29.5	.2
19...	1804	20	20000	29.0	.2
19...	1805	25	22000	29.0	.2

PASCAGOULA AND ESCATAWPA RIVERS.--CONTINUED

DATE	TIME	TOTAL NITRO- GEN (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	VOL. NON- FIL- TRABLE RESIDUE (MG/L)	HIO- CHEM- ICAL OXYGEN DEMAND (MG/L) 5 DAY	IMME- DIATE COLI- FORM (COL. PER 100 ML)	FECAL COLI- FORM (COL. PER 100 ML)	STREP- TOCOCCI (COL- ONIES PER 100 ML)
02479341 - PASCAGOULA RIVER AT MI 13 NR COLL TOWN, MS. (LAT 30 29 50 LONG 088 34 04)								
SEP., 1972								
18...	1829	.15	.03	--	.9	--	--	--
302822088332500 - PASCAGOULA RIVER AT MI 11 024793422 (LAT 30 28 22 LONG 088 33 25)								
SEP., 1972								
25...	1329	--	--	--	3.1	1120	36	40
302725088333700 - PASCAGOULA RIVER AT MI 10 024793427 (LAT 30 27 25 LONG 088 33 37)								
SEP., 1972								
18...	1809	.20	.05	--	2.3	--	--	--
302648088340600 - PASCAGOULA RIVER AT MI 9 024793428 (LAT 30 26 48 LONG 088 34 06)								
SEP., 1972								
13...	1654	.13	.06	--	2.8	--	--	--
02479343 - PASCAGOULA RIVER AT MI 8 NR ESCATAWPA, MS. (LAT 30 26 17 LONG 088 33 28)								
SEP., 1972								
13...	1644	.26	.07	--	2.7	--	--	--
18...	1754	.17	.04	--	1.8	--	--	--
25...	1304	--	--	--	3.6	--	--	--
302526088333600 - PASCAGOULA RIVER AT MI 7 024793431 (LAT 30 25 26 LONG 088 33 36)								
SEP., 1972								
13...	1639	.36	.09	--	2.9	--	--	--
18...	1749	--	--	--	.8	--	--	--
25...	1259	--	--	--	1.9	--	--	--
302507088342800 - PASCAGOULA RIVER AT MI 6 024802082 (LAT 30 25 07 LONG 088 34 28)								
SEP., 1972								
13...	1629	.29	.10	--	7.2	--	--	--
18...	1744	.21	.06	--	3.6	--	--	--
25...	1249	--	--	--	3.9	4100	10	82
302430088350400 - PASCAGOULA RIVER AT MI 5 024802083 (LAT 30 24 30 LONG 088 35 04)								
SEP., 1972								
13...	1619	.60	.16	--	5.3	--	--	--
18...	1734	--	--	--	3.9	--	--	--
25...	1244	--	--	--	3.4	4100	--	72
302345088343800 - PASCAGOULA RIVER AT MI 4 024802087 (LAT 30 23 45 LONG 088 34 38)								
SEP., 1972								
13...	1609	.22	.13	--	3.3	--	--	--
18...	1729	.23	.04	--	4.1	--	--	--
25...	1239	--	--	--	2.5	3600	20	100
302319088335400 - PASCAGOULA RIVER AT MI 3 024802091 (LAT 30 23 19 LONG 088 33 54)								
SEP., 1972								
13...	1604	.14	.15	--	4.4	--	--	--
18...	1724	--	--	--	.6	--	--	--
25...	1234	--	--	--	3.3	--	--	--
02480210 - PASCAGOULA RIVER AT HWY 90 AT PASCAGOULA, MISS. (LAT 30 22 18 LONG 088 33 46)								
SEP., 1972								
13...	1554	1.1	.16	--	3.4	--	--	--
18...	1714	.23	.09	--	3.6	--	--	--
25...	1224	--	--	--	3.9	6200	20	60
02480212 - PASCAGOULA RIVER AT MI 1 AT PASCAGOULA, MS. (LAT 30 21 42 LONG 088 33 57)								
SEP., 1972								
13...	1539	1.2	.17	--	3.8	--	--	--
18...	1709	--	--	--	3.1	--	--	--
25...	1214	--	--	--	4.5	--	--	--

PASCAGOULA AND ESCATAWPA RIVERS.--CONTINUED

DATE	TIME	TOTAL NITRO- GEN (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	VOL. NON- FILT- RAHLE RESIDUE (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)	STREP- TOCOCCI (COL- ONIES PER 100 ML)
02480215 - PASCAGOULA RIVER AT MI 0 AT PASCAGOULA, MS. (LAT 30 20 48 LONG 088 34 03)								
SEP., 1972								
13...	1514	.80	.16	--	2.8	--	--	--
18...	1659	.31	.10	--	5.7	--	--	--
25...	1204	--	--	--	4.5	--	--	--
02480218 - WEST PASCAGOULA RIVER AT MI 17 NR COLL TOWN, MS. (LAT 30 31 00 LONG 088 36 40)								
SEP., 1972								
14...	1559	.21	.04	--	1.2	--	--	--
19...	1859	.13	.05	--	.0	--	--	--
27...	1514	--	--	--	2.1	--	--	--
303000088364400 - WEST PASCAGOULA RIVER AT MI 15 024802202 (LAT 30 30 00 LONG 088 36 44)								
SEP., 1972								
14...	1614	.38	.03	--	1.1	--	--	--
302922088365000 - WEST PASCAGOULA RIVER AT MI 14 024802203 (LAT 30 29 22 LONG 088 36 50)								
SEP., 1972								
27...	1449	--	--	--	2.4	--	--	--
302940088361800 - WEST PASCAGOULA RIVER AT MI 13 024802204 (LAT 30 29 40 LONG 088 36 18)								
SEP., 1972								
14...	1634	.40	.03	--	.9	--	--	--
19...	1919	--	--	--	.5	--	--	--
302822088361800 - WEST PASCAGOULA RIVER AT MI 11 024802211 (LAT 30 28 22 LONG 088 36 18)								
SEP., 1972								
14...	1654	.10	.02	--	2.4	--	--	--
27...	1429	--	--	--	2.5	--	--	--
302736088362600 - WEST PASCAGOULA RIVER AT MI 10 024802212 (LAT 30 27 36 LONG 088 36 26)								
SEP., 1972								
19...	1944	.16	.07	--	.9	--	--	--
302740088364600 - WEST PASCAGOULA RIVER AT MI 9 024802213 (LAT 30 27 40 LONG 088 36 46)								
SEP., 1972								
14...	1709	.10	.02	--	4.0	--	--	--
302716088372400 - WEST PASCAGOULA RIVER AT MI 8 024802701 (LAT 30 27 16 LONG 088 37 24)								
SEP., 1972								
27...	1409	--	--	--	2.7	--	--	--
302640088371200 - WEST PASCAGOULA RIVER AT MI 7 024802702 (LAT 30 26 40 LONG 088 37 12)								
SEP., 1972								
14...	1724	.15	.03	--	3.7	--	--	--
19...	2019	.21	.01	--	1.1	--	--	--
302514088365800 - WEST PASCAGOULA RIVER AT MI 5 024802705 (LAT 30 25 14 LONG 088 36 58)								
SEP., 1972								
14...	1744	.28	.04	--	3.8	--	--	--
27...	1354	--	--	--	2.0	--	--	--
302436088370600 - WEST PASCAGOULA RIVER AT MI 4 024802706 (LAT 30 24 36 LONG 088 37 06)								
SEP., 1972								
19...	2054	.11	.02	--	.8	--	--	--
302352088363400 - WEST PASCAGOULA RIVER AT MI 3 024802711 (LAT 30 23 52 LONG 088 36 34)								
SEP., 1972								
14...	1804	.10	.06	--	3.6	--	--	--

PASCAGOULA AND ESCATAWPA RIVERS.--CONTINUED

DATE	TIME	TOTAL NITRO- GEN (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	VOL. NON- FILT- RABLE RESIDUE (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)	STREP- TOCOCCI (COL- ONIES PER 100 ML)
02480285 - WEST PASCAGOULA RIVER AT HWY 90 AT GAUTIER, MISS (LAT 30 22 58 LONG 088 36 32)								
SFP., 1972								
27...	1329	--	--	--	2.4	--	--	--
302212088352200 - WEST PASCAGOULA RIVER AT MI 1 024802851 (LAT 30 22 12 LONG 088 36 22)								
SFP., 1972								
14...	1819	.10	.08	--	4.1	--	--	--
19...	2114	.22	.04	--	2.9	--	--	--
27...	1259	--	--	--	4.0	--	--	--
02480182 - ESCATAWPA RIVER AT MI 10 NR MOSS POINT, MS. (LAT 30 26 01 LONG 088 27 45)								
AUG., 1972								
10...	2359	.00	.01	2	2.0	2350	1720	17
02480183 - ESCATAWPA RIVER AT MI 9 NR MOSS POINT, MS. (LAT 30 26 22 LONG 088 28 18)								
AUG., 1972								
10...	2344	.02	.01	14	2.6	1500	240	37
12...	0014	--	--	--	2.7	2000	38	10
12...	2014	--	--	--	2.6	2000	33	12
13...	1244	.04	.04	18	2.2	313	--	10
14...	1414	.02	.04	10	2.7	--	--	--
15...	1539	.01	.03	8	3.6	4200	--	12
17...	1759	.01	.02	24	--	1500	--	15
02480184 - ESCATAWPA RIVER AT MI 8 NR MOSS POINT, MS. (LAT 30 26 14 LONG 088 28 48)								
AUG., 1972								
10...	2319	--	--	--	3.0	4600	233	13
11...	2358	--	--	--	3.8	2500	--	--
12...	1954	--	--	--	4.0	5000	--	24
13...	1229	.09	.01	4	3.1	1620	1560	8
14...	1403	.08	.04	13	4.3	--	--	--
15...	1524	.08	.05	7	2.2	3620	8	14
17...	1749	.02	.03	11	--	1500	--	30
302541088290100 - ESCATAWPA RIVER AT MI 7 024802053 (LAT 30 25 41 LONG 088 29 01)								
AUG., 1972								
10...	2259	.06	.01	6	3.9	7000	--	25
11...	2349	--	--	--	4.3	2300	--	4
12...	1944	--	--	--	3.5	850	13	14
13...	1219	.25	.03	17	3.9	800	1800	32
14...	1354	.06	.03	9	3.0	--	--	--
15...	1519	.06	.04	12	4.4	5200	--	26
17...	1739	.00	.28	9	--	2650	--	38
302512088292200 - ESCATAWPA RIVER AT MI 6 024802054 (LAT 30 25 12 LONG 088 29 22)								
AUG., 1972								
10...	2234	.10	.03	3	5.5	650	5000	--
11...	2224	--	--	--	5.9	1100	--	30
12...	1934	--	--	--	5.0	20500	--	6
13...	1209	.23	.05	22	3.0	1050	--	4
14...	1344	.11	.05	12	5.6	--	--	--
15...	1509	.18	.03	16	5.0	4800	67	24
17...	1728	.00	.16	18	--	2250	--	28
302515088301300 - ESCATAWPA RIVER AT MI 5 024802055 (LAT 30 25 15 LONG 088 30 13)								
AUG., 1972								
10...	2219	.48	.08	4	21	2250	1000	25
11...	2219	--	--	--	50	2500	1600	395
12...	1929	--	--	--	37	--	940	55
13...	1139	.56	.10	52	162	1150	940	20
14...	1336	.12	.14	56	6.6	--	--	--
15...	1504	.15	.18	56	123	12500	3500	24
17...	1724	.25	.20	48	--	1600	--	160

PASCAGOULA AND ESCATAWPA RIVERS.--CONTINUED

DATE	TIME	TOTAL NITRO- GEN (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	VOL. NON- FILT- RABLE RESIDUE (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)	STREP- TOCOCCI (COL- ONIES PER 100 ML)
302528088304400 - ESCATAWPA RIVER AT MI 4								
024802057 (LAT 30 25 28 LONG 088 30 44)								
AUG., 1972								
10...	2159	--	--	--	29	8600	4600	150
11...	2159	--	--	--	29	2050	500	175
12...	1914	--	--	--	27	--	520	490
13...	1109	.23	.08	31	52	600	1170	235
14...	1327	.57	.13	15	17	--	--	--
15...	1454	.16	.14	24	36	7000	1270	180
17...	1714	.78	.21	15	--	1150	--	870
302455088313100 - ESCATAWPA RIVER AT MI 3								
024802061 (LAT 30 24 55 LONG 088 31 31)								
AUG., 1972								
11...	2144	.30	.07	12	47	150000	300	375
12...	1904	--	--	--	34	--	660	1070
13...	1054	.20	.21	20	38	5000	1770	435
14...	1314	.63	.14	15	22	--	--	--
15...	1449	.56	.10	14	23	34500	640	145
17...	1709	.59	.14	31	--	7400	--	270
302459088320800 - ESCATAWPA RIVER AT MI 2								
024802064 (LAT 30 24 59 LONG 088 32 08)								
AUG., 1972								
10...	2134	.03	1.0	21	41	24500	53000	450
11...	2129	--	--	--	38	6000	367	525
12...	1914	--	--	--	39	6950	830	480
13...	1049	.15	.10	23	39	2300	2330	150
14...	1306	.60	.15	14	17	--	--	--
15...	1439	.08	.13	13	43	13000	1270	190
17...	1659	.41	.14	16	--	1150	--	730
02480207 - ESCATAWPA RIVER AT MOSS POINT, MISS. (LAT 30 25 35 LONG 088 32 40)								
AUG., 1972								
10...	2114	.05	.09	12	49	6600	8400	525
11...	2114	--	--	--	18	3500	160	250
12...	1849	--	--	--	29	31000	4330	140
13...	1039	.37	.10	28	32	8000	4200	94
14...	1259	.22	.14	15	18	--	--	--
15...	1434	.72	.10	23	26	4800	67	415
17...	1649	.69	.13	22	--	4800	--	490
02480208 - ESCATAWPA RIVER AT MI 0 NR ESCATAWPA, MS. (LAT 30 25 13 LONG 088 33 28)								
AUG., 1972								
11...	2044	--	--	--	32	3200	40	32
12...	1839	--	--	--	28	16000	3000	110
13...	1024	.46	.08	23	8.9	1800	1000	64
14...	1244	.20	.15	14	7.7	--	--	--
15...	1424	.48	.11	16	28	5800	160	305
17...	1639	.00	.54	17	--	5200	--	110

PASCAGOULA AND ESCATAWPA RIVERS

An intensive study of the quality of water in the Pascagoula and Escatawpa Rivers was made in May 1974 and May 1975. Field determinations of water quality were made at selected points from their mouths to 10 miles upstream. Listed below are site locations and results of field determinations made during the study.

DATE	TIME	DEPTH (FT)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
3027250AA333700 - PASCAGOULA RIVER AT MI 10 024793427 (LAT 30 27 25 LONG 088 33 37)						
MAY , 1975						
08...	1240	1.0	52	7.0	22.0	7.2
08...	1241	5.0	50	6.8	22.0	7.2
08...	1242	10	50	6.7	22.0	7.2
08...	1243	15	50	6.6	22.0	7.2
08...	1244	20	50	6.6	22.0	7.2
08...	1245	24	50	6.4	22.0	7.0
3026480AA340500 - PASCAGOULA RIVER AT MI 9 024793428 (LAT 30 26 48 LONG 088 34 06)						
MAY , 1975						
08...	1230	1.0	52	7.2	22.0	7.2
08...	1231	5.0	52	7.0	22.0	7.2
08...	1232	10	52	6.8	22.0	7.2
08...	1233	15	52	6.8	22.0	7.0
08...	1234	20	52	6.6	22.0	7.0
08...	1235	23	52	6.6	22.0	7.0
02479343 - PASCAGOULA RIVER AT MI 8 NR ESCATAWPA, MS. (LAT 30 26 17 LONG 088 33 28)						
MAY , 1974						
31...	0905	1.0	60	--	25.5	7.0
31...	0906	5.0	65	--	25.0	7.0
31...	0907	1.0	65	--	25.0	7.0
31...	0908	15	70	--	25.0	7.0
31...	0909	20	70	--	25.0	7.0
MAY , 1975						
08...	1220	1.0	52	6.6	22.0	7.0
08...	1221	5.0	52	6.4	22.0	7.0
08...	1222	10	52	6.4	22.0	7.0
08...	1223	15	52	6.3	22.0	7.0
08...	1224	20	52	6.3	22.0	7.0
08...	1225	25	52	6.4	22.0	7.0
08...	1226	29	52	6.4	22.0	7.0
08...	1850	1.0	50	7.2	22.0	7.2
08...	1851	5.0	50	7.0	22.0	7.2
08...	1852	10	50	6.8	22.0	7.2
08...	1853	15	50	6.8	22.0	7.2
08...	1854	20	50	6.6	22.0	7.2
08...	1855	25	50	6.6	22.0	7.2
3025260AA333600 - PASCAGOULA RIVER AT MI 7 024793431 (LAT 30 25 26 LONG 088 33 36)						
MAY , 1974						
31...	0855	1.0	70	--	25.5	6.9
31...	0856	5.0	70	--	25.0	7.0
31...	0857	10	70	--	25.0	7.0
31...	0858	15	70	--	25.0	7.0
31...	0859	18	70	--	25.0	7.0
31...	1837	1.0	70	--	26.0	7.5
31...	1838	5.0	70	--	26.0	7.5
31...	1839	10	70	--	26.0	7.4
31...	1840	15	70	--	26.0	7.3
MAY , 1975						
08...	1215	1.0	52	6.5	22.0	7.0
08...	1216	5.0	52	6.5	22.0	7.1
08...	1217	10	52	6.7	22.0	7.1
08...	1218	15	52	6.6	22.0	6.8
08...	1219	17	52	6.6	22.0	6.8
08...	1840	1.0	52	7.2	22.0	7.2
08...	1841	5.0	52	6.8	22.0	7.2
08...	1842	10	52	6.6	22.0	7.2
08...	1843	15	52	6.4	22.0	7.2
08...	1844	16	52	6.4	22.0	7.2

PASCAGOULA AND ESCATAWPA RIVERS.--CONTINUED

DATE	TIME	DEPTH (FT)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
302507088342800 - PASCAGOULA RIVER AT MI 6			024802082 (LAT 30 25 07 LONG 088 34 28)			
MAY , 1974						
31...	0850	1.0	78	--	26.0	7.5
31...	0851	5.0	160	--	26.0	7.5
31...	0852	10	600	--	26.0	7.6
31...	0853	15	1250	--	26.0	7.6
31...	1831	1.0	75	--	26.0	7.5
31...	1832	5.0	>1500	--	26.0	7.4
31...	1833	10	80	--	26.0	7.3
31...	1834	13	800	--	26.0	7.1
MAY , 1975						
08...	1210	1.0	69	6.8	23.0	6.7
08...	1211	5.0	69	6.6	23.0	6.7
08...	1212	10	68	6.4	23.0	6.4
08...	1835	1.0	78	6.4	23.5	6.4
08...	1836	5.0	78	6.4	23.5	6.5
08...	1837	7.0	78	6.2	23.5	6.5
302430088350400 - PASCAGOULA RIVER AT MI 5			024802083 (LAT 30 24 30 LONG 088 35 04)			
MAY , 1974						
31...	0844	1.0	1500	--	26.0	7.6
31...	0845	5.0	1500	--	26.0	7.6
31...	0846	10	1500	--	26.0	7.6
31...	0847	15	2000	--	26.0	7.9
31...	1827	1.0	1700	--	27.0	6.5
31...	1828	5.0	1800	--	27.0	6.5
31...	1829	10	1900	--	27.0	6.3
MAY , 1975						
08...	1200	1.0	70	6.8	23.0	6.7
08...	1201	5.0	68	6.6	23.0	6.7
08...	1202	10	66	6.4	23.0	6.8
08...	1203	15	66	6.4	23.0	6.6
08...	1830	1.0	70	6.8	23.0	7.0
08...	1831	5.0	70	6.6	23.0	7.0
08...	1832	10	70	6.6	23.0	7.0
08...	1833	15	70	6.4	23.0	7.0
08...	1834	17	70	6.4	23.0	7.0
302345088343800 - PASCAGOULA RIVER AT MI 4			024802087 (LAT 30 23 45 LONG 088 34 38)			
MAY , 1974						
31...	0837	1.0	1700	--	26.5	7.6
31...	0838	5.0	1700	--	26.0	7.5
31...	0839	10	2400	--	26.0	7.2
31...	0840	15	24000	--	26.0	3.6
31...	0841	20	32000	--	25.0	1.9
31...	1819	1.0	1600	--	27.0	7.3
31...	1820	5.0	1800	--	27.0	7.2
31...	1821	10	2200	--	27.0	6.7
31...	1822	15	4000	--	27.0	6.6
31...	1823	18	4000	--	27.0	6.6
MAY , 1975						
08...	1150	1.0	68	6.6	23.0	6.8
08...	1151	5.0	68	6.4	23.0	6.8
08...	1152	10	68	6.4	23.0	6.8
08...	1153	15	68	6.4	23.0	6.6
08...	1154	20	68	6.4	23.0	6.4
08...	1822	1.0	68	7.0	23.0	7.2
08...	1823	5.0	68	6.8	23.0	7.2
08...	1824	10	68	6.7	23.0	7.2
08...	1825	15	68	6.6	23.0	7.2
08...	1826	18	68	6.4	23.0	7.1

ANALYSES OF SAMPLES COLLECTED DURING SHORT-TERM INTENSIVE STUDIES

PASCAGOULA AND ESCATAWPA RIVERS.--CONTINUED

DATE	TIME	DEPTH (FT)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHUS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
302319088335400 - PASCAGOULA RIVER AT MI 3						
024802091 (LAT 30 23 19 LONG 088 33 54)						
MAY , 1974						
31...	0830	1.0	2000	--	25.0	7.5
31...	0831	5.0	2000	--	25.0	7.5
31...	0832	10	2700	--	25.0	7.2
31...	0833	15	34000	--	24.5	2.6
31...	0834	20	35000	--	24.0	2.0
31...	1812	1.0	1800	--	27.0	7.5
31...	1813	5.0	2600	--	27.0	6.9
31...	1814	10	4500	--	27.0	6.5
31...	1815	15	6000	--	26.5	6.4
31...	1816	18	6500	--	26.0	6.4

MAY , 1975						
08...	1140	1.0	180	6.8	23.0	7.0
08...	1141	5.0	230	6.7	23.0	7.0
08...	1142	10	280	6.6	23.0	6.8
08...	1143	14	320	6.6	23.0	6.8
08...	1815	1.0	70	7.1	23.0	7.2
08...	1816	5.0	70	7.0	23.0	7.2
08...	1817	10	70	6.8	23.0	7.2
08...	1818	15	70	6.6	23.0	7.2
08...	1819	20	70	6.6	23.0	7.2
08...	1820	25	75	6.4	23.0	6.8

02490210 - PASCAGOULA RIVER AT HWY 90 AT PASCAGOULA, MISS. (LAT 30 22 18 LONG 088 33 46)

MAY , 1974						
31...	0820	1.0	4000	--	27.0	7.3
31...	0821	5.0	4000	--	27.0	7.2
31...	0822	10	5000	--	27.0	6.7
31...	0823	15	35000	--	26.5	4.5
31...	1805	1.0	3400	--	27.0	7.5
31...	1806	5.0	3400	--	27.0	7.3
31...	1807	10	4500	--	27.0	7.1
31...	1808	15	7500	--	27.0	6.8
SEP.						
12...	1900	--	800	5.8	26.0	4.7
OCT.						
24...	1430	--	>500	--	25.0	6.3
NOV.						
27...	1345	--	5600	7.1	15.0	9.2
DEC.						
18...	1330	--	3000	6.4	12.0	10.0
JAN., 1975						
23...	1000	--	250	6.3	10.0	10.5
FEB.						
14...	1025	--	3600	5.6	14.0	10.2
APR.						
09...	1000	--	5500	6.6	17.0	8.3
MAY						
07...	0945	--	340	5.7	23.0	7.3
08...	1125	1.0	300	7.0	23.0	7.0
08...	1126	5.0	400	6.9	23.0	6.8
08...	1127	10	500	6.8	23.0	7.0
08...	1128	15	900	6.7	23.0	7.0
08...	1129	20	2800	6.8	23.0	7.0
08...	1805	1.0	500	7.2	23.0	7.0
08...	1806	5.0	700	7.0	23.5	7.2
08...	1807	10	780	6.9	23.0	7.2
08...	1808	15	2300	6.8	24.0	7.2
08...	1809	20	2200	6.8	24.0	7.2
08...	1810	25	1800	6.8	24.0	7.2

PASCAGOULA AND ESCATAWPA RIVERS.--CONTINUED

DATE	TIME	DEPTH (FT)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
02480212 - PASCAGOULA RIVER AT MI 1 AT PASCAGOULA, MS. (LAT 30 21 42 LONG 088 33 57)						
MAY , 1974						
31...	0810	1.0	5000	--	27.5	8.2
31...	0811	5.0	5000	--	27.0	8.1
31...	0812	10	16000	--	27.0	6.9
31...	0813	15	32000	--	27.0	5.3
31...	0814	20	40000	--	26.0	3.3
31...	0815	25	43000	--	26.0	3.2
31...	0816	30	28000	--	26.0	3.0
31...	1755	1.0	12000	--	27.0	8.2
31...	1756	5.0	12000	--	27.0	7.9
31...	1757	10	12000	--	27.0	7.3
31...	1758	15	22000	--	27.0	7.0
31...	1759	20	32000	--	25.5	5.0
31...	1800	25	33000	--	25.0	1.7
31...	1801	30	33000	--	25.0	1.7
31...	1802	35	34000	--	25.0	1.7
31...	1803	40	34000	--	25.0	1.5
MAY , 1975						
08...	1110	1.0	1200	7.1	23.0	7.1
08...	1111	5.0	3000	7.0	23.0	7.1
08...	1112	10	3000	6.9	23.0	6.2
08...	1113	15	32000	7.4	22.5	4.0
08...	1114	20	30000	7.8	22.5	2.8
08...	1115	25	39000	7.8	22.0	2.0
08...	1116	30	42000	7.8	21.0	.8
08...	1117	35	42000	7.8	21.0	.8
08...	1118	40	42000	7.8	21.0	.8
08...	1119	45	42000	7.8	21.0	.8
08...	1750	1.0	5000	7.2	23.5	7.0
08...	1751	5.0	4000	7.2	23.5	7.0
08...	1752	10	5000	7.1	23.5	7.0
08...	1753	15	6400	7.0	23.0	6.6
08...	1754	20	12000	7.2	23.0	6.0
08...	1755	25	32000	7.4	23.0	4.5
08...	1756	30	30000	7.6	23.0	3.5
08...	1757	35	34000	7.8	23.0	2.8
08...	1758	40	36000	7.8	22.5	2.2
08...	1759	45	42000	7.8	21.0	1.0
08...	1800	50	42000	7.8	21.0	.4
02490215 - PASCAGOULA RIVER AT MI 0 AT PASCAGOULA, MS. (LAT 30 20 48 LONG 088 34 03)						
MAY , 1974						
31...	0800	1.0	5500	--	26.0	8.5
31...	0801	5.0	20000	--	27.0	7.7
31...	0802	10	25000	--	27.0	7.6
31...	0803	15	26000	--	27.0	6.8
31...	0804	20	44000	--	25.0	3.6
31...	0805	25	34000	--	25.0	3.6
31...	0806	30	38000	--	25.0	3.6
31...	0807	35	38000	--	25.0	3.6
31...	0808	40	38000	--	25.0	3.4
31...	1745	1.0	4500	--	27.0	8.0
31...	1746	5.0	4500	--	27.0	7.5
31...	1747	10	7000	--	27.0	7.4
31...	1748	15	15000	--	27.0	6.9
31...	1749	20	26000	--	26.0	4.8
31...	1750	25	42000	--	25.0	2.4
31...	1751	30	45000	--	25.0	2.4
31...	1752	35	45000	--	25.0	2.4
31...	1753	40	45000	--	25.0	2.3
31...	1754	45	45000	--	25.0	1.8
MAY , 1975						
08...	1030	1.0	2800	6.9	23.0	7.2
08...	1031	5.0	3200	6.8	23.0	6.8
08...	1032	10	4200	6.4	23.0	6.4
08...	1033	15	11000	7.0	23.0	6.2
08...	1034	20	14000	7.2	23.0	5.2
08...	1035	25	35000	7.8	23.0	3.8
08...	1036	30	35000	7.8	23.0	2.8
08...	1037	35	37000	7.8	23.0	2.0
08...	1038	40	41000	7.8	21.5	1.6
08...	1730	1.0	5000	7.4	24.0	6.8
08...	1731	5.0	5000	7.2	24.0	6.8
08...	1732	10	7500	7.2	23.0	6.8
08...	1733	15	10000	7.2	23.0	6.2
08...	1734	20	15000	7.3	23.0	5.5
08...	1735	25	27500	7.6	23.0	4.6
08...	1736	30	32000	7.8	23.0	4.0
08...	1737	35	36000	7.9	23.0	3.0

ANALYSES OF SAMPLES COLLECTED DURING SHORT-TERM INTENSIVE STUDIES

PASCAGOULA AND ESCATAWPA RIVERS---CONTINUED

DATE	TIME	DEPTH (FT)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
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02480182 - ESCATAWPA RIVER AT MI 10 NR MOSS POINT, MS. (LAT 30 26 01 LONG 088 27 45)

MAY, 1974

30...	1015	1.0	42	--	25.0	6.3
30...	1016	5.0	42	--	24.0	6.2
30...	1017	10	42	--	24.0	6.2
30...	1018	15	42	--	24.0	6.2
30...	1019	17	42	--	24.0	6.2

02480183 - ESCATAWPA RIVER AT MI 9 NR MOSS POINT, MS. (LAT 30 26 22 LONG 088 28 18)

MAY, 1974

30...	1000	1.0	50	--	25.0	6.1
30...	1001	5.0	50	--	24.5	6.1
30...	1002	10	50	--	24.5	6.1
30...	1003	15	50	--	24.0	6.1
30...	1004	20	50	--	24.0	6.1
30...	1005	25	50	--	24.0	6.1
30...	1006	29	50	--	24.0	6.1

02480184 - ESCATAWPA RIVER AT MI 8 NR MOSS POINT, MS. (LAT 30 26 14 LONG 088 28 48)

MAY, 1974

30...	0952	1.0	56	--	24.5	6.0
30...	0953	5.0	56	--	24.5	6.0
30...	0954	10	56	--	24.5	5.9
30...	0955	15	56	--	24.0	5.9
30...	0956	20	55	--	24.0	5.9
30...	0957	25	55	--	24.0	5.9
30...	0958	30	55	--	24.0	5.9
30...	0959	31	55	--	24.0	5.9

302541088290100 - ESCATAWPA RIVER AT MI 7

024802053 (LAT 30 25 41 LONG 088 29 01)

MAY, 1974

30...	0945	1.0	65	--	25.0	5.7
30...	0946	5.0	65	--	25.0	5.7
30...	0947	10	70	--	24.0	5.7
30...	0948	15	70	--	24.0	5.7
30...	0949	20	70	--	24.0	5.6
30...	1915	1.0	48	--	25.0	5.9
30...	1916	5.0	48	--	25.0	5.9
30...	1917	10	48	--	25.0	5.9
30...	1918	15	50	--	25.0	5.9
30...	1919	20	52	--	25.0	5.9

302512088292200 - ESCATAWPA RIVER AT MI 6

024802054 (LAT 30 25 12 LONG 088 29 22)

MAY, 1974

30...	0940	1.0	80	--	25.0	5.6
30...	0941	5.0	80	--	25.0	5.5
30...	0942	10	85	--	24.5	5.4
30...	0943	15	100	--	24.0	5.4
30...	0944	19	100	--	24.0	5.5
30...	1911	1.0	95	--	25.0	6.0
30...	1912	5.0	80	--	25.0	6.0
30...	1913	10	56	--	25.0	6.0
30...	1914	15	56	--	25.0	6.0

MAY, 1975

08...	1340	1.0	32	5.2	23.0	6.2
08...	1341	5.0	32	5.2	23.0	6.2
08...	1342	10	32	5.1	23.0	6.1
08...	1343	15	32	5.0	23.0	6.1
08...	1344	1.8	32	5.1	23.0	6.1

PASCAGOULA AND ESCATAWPA RIVERS---CONTINUED

DATE	TIME	DEPTH (FT)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
302515022301300 - ESCATAWPA RIVER AT MI 5			024802055 (LAT 30 25 15 LONG 088 30 13)			
MAY , 1974						
30...	0934	1.0	210	--	26.0	5.6
30...	0935	5.0	150	--	25.0	5.5
30...	0936	10	115	--	24.5	5.5
30...	0937	15	115	--	24.5	5.5
30...	0938	20	115	--	24.5	5.5
30...	0939	25	115	--	24.0	5.4
30...	1905	1.0	75	--	25.0	6.0
30...	1906	5.0	75	--	25.0	5.9
30...	1907	10	75	--	25.0	5.9
30...	1908	15	75	--	25.0	5.9
30...	1909	20	75	--	25.0	5.9
30...	1910	25	75	--	25.0	5.9
MAY , 1975						
08...	1335	1.0	40	6.0	23.0	6.2
08...	1336	5.0	38	5.8	23.0	6.2
08...	1337	10	38	5.6	23.0	6.2
08...	1338	15	38	5.6	23.0	6.2
08...	1339	20	38	5.6	23.0	6.2
08...	1340	25	38	5.4	23.0	6.0
302528022304400 - ESCATAWPA RIVER AT MI 4			024802057 (LAT 30 25 28 LONG 088 30 44)			
MAY , 1974						
30...	0927	1.0	750	--	26.0	4.8
30...	0928	5.0	700	--	26.0	4.8
30...	0929	10	750	--	25.0	4.8
30...	0930	15	1300	--	25.0	4.7
30...	0931	20	18500	--	25.0	1.2
30...	1900	1.0	260	--	26.0	5.7
30...	1901	5.0	260	--	26.0	5.7
30...	1902	10	150	--	25.0	5.7
30...	1903	15	300	--	25.0	5.5
30...	1904	17	1000	--	25.0	5.5
MAY , 1975						
08...	1325	1.0	50	6.0	23.0	6.0
08...	1326	5.0	50	6.0	23.0	6.0
08...	1327	10	50	5.8	23.0	6.1
08...	1328	15	52	5.8	23.0	6.2
08...	1329	20	52	5.8	23.0	6.0
08...	1925	1.0	40	5.6	23.0	6.2
08...	1926	5.0	40	5.6	23.0	6.2
08...	1927	10	40	5.5	23.0	6.2
08...	1928	15	40	5.4	23.0	6.1
08...	1929	20	40	5.3	23.0	6.1
302455022313100 - ESCATAWPA RIVER AT MI 3			024802061 (LAT 30 24 55 LONG 088 31 31)			
MAY , 1974						
30...	0921	1.0	1100	--	26.0	4.3
30...	0922	5.0	1150	--	25.5	4.2
30...	0923	10	1750	--	25.0	3.8
30...	0924	15	4000	--	25.0	3.0
30...	1955	1.0	600	--	26.0	5.1
30...	1956	5.0	600	--	26.0	5.1
30...	1957	10	580	--	26.0	5.1
30...	1958	15	3000	--	25.0	4.3
MAY , 1975						
08...	1315	1.0	88	6.4	23.0	5.9
08...	1316	5.0	86	6.2	23.0	6.0
08...	1317	10	88	6.2	23.0	5.9
08...	1318	15	90	6.1	23.0	5.9
08...	1319	19	92	6.0	23.0	5.8
08...	1914	1.0	80	6.8	23.0	6.0
08...	1919	5.0	78	6.6	23.0	6.0
08...	1920	10	80	6.2	23.0	6.0
08...	1921	15	80	6.2	23.0	5.8
08...	1922	20	80	6.0	23.0	5.8

PASCAGOULA AND ESCATAWPA RIVERS.--CONTINUED

DATE	TIME	DEPTH (FT)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
302459088320800 - ESCATAWPA RIVER AT MI 2						
024802064 (LAT 30 24 59 LONG 088 32 08)						
MAY , 1974						
30...	0911	1.0	1100	--	26.0	4.7
30...	0912	5.0	1100	--	25.5	4.4
30...	0913	10	1600	--	25.0	3.3
30...	0914	15	2500	--	25.0	2.6
30...	0915	20	30000	--	25.0	2.0
30...	0916	23	30000	--	25.0	1.7
30...	1845	1.0	950	--	28.0	4.0
30...	1846	5.0	800	--	27.0	3.4
30...	1847	10	1000	--	26.0	3.6
30...	1848	15	3000	--	25.0	2.1
30...	1849	20	25000	--	25.0	1.5
MAY , 1975						
08...	1307	1.0	66	6.2	24.0	6.0
08...	1308	5.0	64	6.0	24.0	5.8
08...	1309	10	62	5.8	23.0	5.8
08...	1310	15	62	5.8	23.0	5.8
08...	1311	20	62	5.7	23.0	5.8
08...	1312	24	64	5.7	23.0	5.6
08...	1912	1.0	80	6.4	24.0	5.8
08...	1913	5.0	80	6.4	24.0	5.8
08...	1914	10	80	6.2	24.0	5.6
08...	1915	15	80	6.0	23.5	5.6
08...	1916	22	80	6.0	23.0	5.6
02480207 - ESCATAWPA RIVER AT MOSS POINT, MISS. (LAT 30 25 35 LONG 088 32 40)						
MAY , 1974						
30...	0902	1.0	1750	--	26.0	5.5
30...	0903	5.0	1800	--	26.0	5.5
30...	0904	10	2000	--	26.0	5.2
30...	0905	15	2000	--	25.0	3.8
30...	0906	20	13000	--	25.0	2.2
30...	0907	25	15000	--	25.0	1.7
30...	1838	1.0	1175	--	27.5	4.6
30...	1839	5.0	1175	--	27.5	4.5
30...	1840	10	1200	--	27.0	3.5
30...	1841	15	1750	--	25.5	2.4
30...	1842	20	25000	--	25.0	1.3
30...	1843	25	34000	--	25.0	1.3
30...	1844	28	34000	--	25.0	.9
MAY , 1975						
07...	1015	--	70	5.2	23.0	6.2
08...	1300	1.0	76	6.6	24.0	5.9
08...	1301	5.0	76	6.4	23.0	5.9
08...	1302	10	78	6.2	23.0	6.0
08...	1303	15	78	6.0	23.0	6.0
08...	1304	20	78	6.0	23.0	5.9
08...	1305	25	84	5.8	23.0	5.8
08...	1905	1.0	74	6.4	24.0	5.8
08...	1906	5.0	74	6.2	24.0	5.8
08...	1907	10	74	6.0	24.0	5.6
08...	1908	15	74	6.0	23.5	5.6
08...	1909	20	76	5.9	23.0	5.6
08...	1910	25	80	5.8	23.0	5.6
02480208 - ESCATAWPA RIVER AT MI 0 NR ESCATAWPA, MS. (LAT 30 25 13 LONG 088 33 28)						
MAY , 1974						
30...	0455	1.0	300	--	25.0	6.0
30...	0456	5.0	300	--	25.0	6.0
30...	0457	10	640	--	25.0	5.7
30...	0458	15	2000	--	25.0	5.5
30...	0459	17	2000	--	25.0	5.3
30...	1830	1.0	1500	--	28.0	5.8
30...	1831	5.0	1500	--	28.0	5.6
30...	1832	10	1500	--	27.0	4.5
30...	1833	15	1750	--	26.0	3.2
30...	1834	20	20000	--	25.0	1.7
30...	1835	25	38000	--	25.0	1.6
30...	1836	28	38000	--	25.0	1.1
MAY , 1975						
08...	1255	1.0	64	6.8	23.0	6.4
08...	1256	5.0	62	6.7	22.5	6.4
08...	1257	10	60	6.5	22.5	6.6
08...	1258	15	66	6.4	23.0	6.8
08...	1259	20	66	6.3	23.0	6.4
08...	1900	1.0	80	6.2	24.0	5.8
08...	1901	5.0	80	6.2	24.0	5.9
08...	1902	10	80	6.2	24.0	5.9
08...	1903	15	80	6.0	24.0	6.0
08...	1904	20	80	6.0	24.0	6.0
08...	1905	25	80	5.8	24.0	5.8
08...	1906	30	80	5.8	24.0	5.8

TIDEWATER, KEEGAN, AND ST. MARTIN BAYOUS

An intensive study of the quality of water in Tidewater, Keegan, and St. Martin Bayous was made April 8-10, 1975. Water samples were collected at high and low tides at 10 sites on the study bayous. Listed below are site locations and results of quality of water field and laboratory determinations made during the study.

DATE	TIME	DEPTH (FT)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
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02480292 - TIDEWATER BAYOU AT OCEAN SPRINGS, MISS. (LAT 30 24 22 LONG 088 49 06)

APR.. 1975						
09...	0901	1.0	19000	7.1	18.0	.4
09...	0902	5.0	20000	--	18.0	1.7
09...	1641	1.0	18000	7.1	21.0	3.5
09...	1642	4.0	21000	--	18.5	.5

02480293 - TIDEWATER BA AT PERSHING AVE AT OCEAN SPRINGS MS (LAT 30 24 19 LONG 088 49 16)

APR.. 1975						
09...	0856	1.0	18000	7.1	18.0	2.8
09...	0857	5.0	20000	--	17.5	5.2
09...	0858	8.0	20000	--	17.0	5.1
09...	1631	1.0	18000	7.2	20.0	1.8
09...	1632	5.0	20000	--	18.0	3.2
09...	1633	7.0	21000	--	18.0	3.2

02480294 - TIDEWATER BAYOU AT MOUTH AT OCEAN SPRINGS, MISS. (LAT 30 24 08 LONG 088 49 26)

APR.. 1975						
09...	0851	1.0	20000	7.0	18.0	5.8
09...	0852	5.0	20000	--	17.5	6.9
09...	0853	8.0	15000	--	17.0	6.1
09...	1621	1.0	20000	7.7	19.5	6.2
09...	1622	5.0	18000	--	18.0	6.8
09...	1623	7.0	21000	--	17.0	3.5

02481276 - KEEGAN BAYOU AT FAYVIEW DR. AT BILOXI, MISS. (LAT 30 24 20 LONG 088 53 43)

APR.. 1975						
09...	1001	1.0	1200	7.1	18.5	4.9
09...	1002	5.0	1500	--	17.0	4.8
09...	1003	7.0	1500	--	17.0	4.5
09...	1751	1.0	5000	7.2	20.0	4.7

02481277 - KEEGAN BAYOU AT BILOXI, MISS. (LAT 30 24 34 LONG 088 53 43)

APR.. 1975						
09...	0956	1.0	3200	7.1	18.0	4.9
09...	0957	2.0	3200	--	18.0	4.9
09...	1741	1.0	4700	7.2	20.0	5.2
09...	1742	2.0	4000	--	19.0	5.2

02481278 - KEEGAN BAYOU AT HOPKINS AVE. AT BILOXI, MISS. (LAT 30 24 45 LONG 088 53 51)

APR.. 1975						
09...	0951	1.0	4600	7.2	17.0	8.0
09...	0952	2.0	4600	--	17.0	8.0
09...	1731	1.0	5000	7.2	20.0	7.5
09...	1732	2.0	4500	--	18.0	8.5

02481286 - ST. MARTIN BAYOU NEAR D'HERVILLE, MISS. (LAT 30 26 02 LONG 088 52 40)

APR.. 1975						
09...	1101	1.0	2200	6.9	18.0	5.3
09...	1102	5.0	2200	--	17.0	5.3
09...	1901	1.0	1300	6.8	19.0	4.3
09...	1902	5.0	8000	--	17.0	3.8

02481287 - ST. MARTIN BAYOU NE OF D'HERVILLE, MISS. (LAT 30 25 58 LONG 088 52 28)

APR.. 1975						
09...	1041	1.0	1500	6.9	18.0	7.0
09...	1042	5.0	1500	--	17.0	6.1
09...	1851	1.0	3500	6.9	19.0	6.0
09...	1852	5.0	3000	--	17.0	4.5

ANALYSES OF SAMPLES COLLECTED DURING SHORT-TERM INTENSIVE STUDIES

TIDEWATER, KEEGAN, AND ST. MARTIN BAYOUS.--CONTINUED

DATE	TIME	DEPTH (FT)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
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02481288 - ST. MARTIN BAYOU NE OF BILOXI, MISS. (LAT 30 25 53 LONG 088 52 22)

APR., 1975

09...	1031	1.0	12000	6.9	17.5	8.3
09...	1032	3.0	12000	--	17.5	8.5
09...	1841	1.0	6300	6.9	19.0	7.1
09...	1842	4.0	9700	--	18.0	6.5

02481289 - ST. MARTIN BAYOU AT MOUTH NR D'IBERVILLE, MISS. (LAT 30 25 40 LONG 088 52 16)

APR., 1975

09...	1026	1.0	15000	7.1	18.0	8.9
09...	1027	5.0	15000	--	18.0	8.9
09...	1831	1.0	9000	6.9	19.0	8.1
09...	1832	2.0	9000	--	19.0	8.1

TIDEWATER, KEEGAN, AND ST. MARTIN BAYOUS.--CONTINUED

DATE	TIME	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	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)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM (COL. PER 100 ML)	STREP- TOCOCCI (COL- ONIES PER 100 ML)
02400292 - TIDEWATER BAYOU AT OCEAN SPRINGS, MISS. (LAT 30 24 22 LONG 088 49 06)												
APR., 1975												
09...	0900	.15	5.4	1.5	6.9	7.1	31	4.2	3.0	23	8133	8300
09...	1640	.23	4.4	.80	5.2	5.4	24	4.8	3.6	20	1666	816
02400293 - TIDEWATER BA AT PERSHING AVE AT OCEAN SPRINGS MS (LAT 30 24 19 LONG 088 49 16)												
APR., 1975												
09...	0955	.13	5.5	3.0	8.5	4.6	38	2.2	1.7	21	933	980
09...	1630	.09	4.0	.90	4.9	5.0	22	1.4	1.1	14	816	650
02400294 - TIDEWATER BAYOU AT MOUTH AT OCEAN SPRINGS, MISS. (LAT 30 24 08 LONG 088 49 26)												
APR., 1975												
09...	0950	.05	1.3	.50	1.8	1.9	8.2	.39	.36	3.8	766	540
09...	1620	.03	.21	.38	.59	.62	2.7	.09	.05	2.6	450	293
02401276 - KEEGAN BAYOU AT BAYVIEW DR. AT BILOXI, MISS. (LAT 30 24 20 LONG 088 53 43)												
APR., 1975												
09...	1000	6.5	2.4	2.1	4.5	11	49	3.0	2.7	3.4	8166	--
09...	1750	4.4	3.4	1.9	5.3	9.7	43	3.0	2.6	7.2	0	0
02401277 - KEEGAN BAYOU AT BILOXI, MISS. (LAT 30 24 34 LONG 088 53 43)												
APR., 1975												
09...	0955	3.6	2.3	1.7	4.0	7.6	34	2.2	2.0	6.2	2000	--
09...	1740	3.7	2.7	1.6	4.3	8.0	35	2.2	2.0	6.3	8100	866
02401278 - KEEGAN BAYOU AT HOPKINS AVE. AT BILOXI, MISS. (LAT 30 24 45 LONG 088 53 51)												
APR., 1975												
09...	0950	1.6	.37	.50	.87	2.5	11	1.3	1.1	4.9	8200	1500
09...	1730	2.7	2.1	1.0	3.1	5.8	26	1.7	1.4	6.8	814	271
02401286 - ST. MARTIN BAYOU NEAR D'IBERVILLE, MISS. (LAT 30 26 02 LONG 088 52 40)												
APR., 1975												
09...	1100	.50	.99	1.2	2.2	2.7	12	.51	.38	5.8	2500	830000
09...	1900	.51	1.2	1.0	2.2	2.7	12	.51	.39	6.2	11000	9300
02401287 - ST. MARTIN BAYOU NE OF D'IBERVILLE, MISS. (LAT 30 25 58 LONG 088 52 28)												
APR., 1975												
09...	1040	.15	.37	.83	1.2	1.4	6.2	.31	.21	4.6	880000	1000
09...	1450	.34	.63	.97	1.6	1.9	8.6	.41	.30	5.6	5400	6000
02401288 - ST. MARTIN BAYOU NE OF BILOXI, MISS. (LAT 30 25 53 LONG 088 52 22)												
APR., 1975												
09...	1030	.06	.12	.47	.55	.65	2.9	.12	.06	3.4	900	4700
09...	1840	.21	.33	.87	1.2	1.4	6.2	.28	.19	5.2	4800	5600
02401289 - ST. MARTIN BAYOU AT MOUTH NE D'IBERVILLE, MISS. (LAT 30 25 40 LONG 088 52 16)												
APR., 1975												
09...	1025	.01	.04	.46	.50	.51	2.3	.05	.02	3.8	--	740
09...	1230	.16	.22	.88	1.1	1.3	5.6	.21	.14	3.9	3900	8300

TCHOUTACABOUFFA RIVER AND CYPRESS CREEK

An intensive study of the quality of water in the Tchoutacabouffa River and Cypress Creek was made May 19-21, 1975. Samples were collected at high and low tides at 16 sites from the mouth of the Tchoutacabouffa River to 13.1 miles upstream at the confluence with Tuxachanie Creek. Listed below are site locations and field and laboratory determinations of water quality made during the study.

DATE	TIME	DEPTH (FT)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
302915088531400 - TCHOUTACABOUFFA RIVER AT MILE 13.1 024805892 (LAT 30 29 15 LONG 088 53 14)						
MAY . 1975						
21...	1146	1.0	28	5.4	24.5	7.4
21...	1831	1.0	28	5.2	26.0	6.8
302854088531300 - TCHOUTACABOUFFA RIVER AT MILE 12.0 024805895 (LAT 30 28 54 LONG 088 53 13)						
MAY . 1975						
21...	1131	1.0	28	5.2	26.0	7.2
21...	1132	5.0	28	5.1	25.0	7.2
21...	1133	10	28	5.0	24.0	6.6
21...	1816	1.0	34	5.5	26.0	7.5
21...	1817	5.0	328	5.4	26.0	7.4
02480590 - TCHOUTACABOUFFA RIVER NR D'IBERVILLE, MS (LAT 30 28 33 LONG 088 53 36)						
MAY . 1975						
21...	1121	1.0	30	6.0	25.0	7.2
21...	1122	5.0	30	5.6	25.0	7.2
21...	1123	10	30	5.4	24.5	7.2
21...	1801	1.0	28	5.0	26.5	7.2
21...	1802	5.0	28	5.0	26.0	7.2
21...	1803	10	28	5.0	26.5	7.2
21...	1804	15	28	4.9	26.5	7.2
302806088535500 - TCHOUTACABOUFFA RIVER AT MILE 10.0 024805793 (LAT 30 28 06 LONG 088 53 55)						
MAY . 1975						
21...	1111	1.0	30	5.0	26.0	7.0
21...	1112	5.0	30	5.0	25.5	7.2
21...	1113	10	30	4.9	25.0	7.1
21...	1114	15	30	4.8	25.0	7.1
21...	1115	20	30	4.6	25.0	7.0
21...	1116	25	30	4.4	24.5	6.7
21...	1751	1.0	30	5.4	26.0	7.2
21...	1752	5.0	30	5.2	26.0	7.2
21...	1753	10	30	5.0	26.0	7.2
21...	1754	15	30	4.8	26.0	7.1
21...	1755	20	30	4.6	26.0	7.0
302741088540200 - TCHOUTACABOUFFA RIVER AT MILE 9.0 024805795 (LAT 30 27 41 LONG 088 54 02)						
MAY . 1975						
21...	1101	1.0	50	5.6	25.0	6.4
21...	1102	5.0	64	5.6	25.0	6.6
21...	1103	10	132	5.6	25.0	6.4
21...	1104	15	160	5.6	25.0	6.3
21...	1105	20	180	5.6	25.0	6.2
21...	1106	25	180	5.4	25.0	6.2
21...	1741	1.0	30	5.0	27.0	7.0
21...	1742	5.0	30	5.0	26.0	7.0
21...	1743	10	30	4.8	26.0	6.9
21...	1744	15	34	4.6	25.0	6.9
21...	1745	20	40	4.6	25.0	6.9
21...	1746	25	42	4.4	25.0	6.6
02480592 - CYPRESS CREEK NR BILOXI, MS (LAT 30 27 51 LONG 088 52 58)						
MAY . 1975						
21...	0916	--	150	6.9	22.0	4.0
21...	1731	--	170	7.0	24.2	5.0
02480595 - CYPRESS CREEK NR D'IBERVILLE, MS (LAT 30 27 41 LONG 088 53 30)						
MAY . 1975						
21...	1231	1.0	78	6.6	25.5	4.8
21...	1232	5.0	75	6.5	25.0	2.5
21...	1233	10	76	6.4	23.0	1.0
21...	1916	1.0	92	6.8	26.5	4.6
21...	1917	5.0	98	6.4	24.5	2.4
02480598 - CYPRESS CREEK AT MOUTH NR D'IBERVILLE, MS (LAT 30 27 39 LONG 088 53 58)						
MAY . 1975						
21...	1216	1.0	50	6.0	25.0	6.5
21...	1217	5.0	90	5.8	25.0	6.2
21...	1901	1.0	60	6.4	27.0	6.9
21...	1902	5.0	75	6.0	25.0	5.4

TCHOUTACABOUFFA RIVER AND CYPRESS CREEK.--CONTINUED

DATE	TIME	DEPTH (FT)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
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02480600 - TCHOUTACABOUFFA RIVER NR WOOL MARKET, MS (LAT 30 27 34 LONG 088 54 30)

MAY, 1975

21...	1046	1.0	43	6.0	25.0	6.6
21...	1047	5.0	42	5.6	25.0	6.6
21...	1048	10	42	5.4	25.0	6.6
21...	1049	15	42	5.2	25.0	6.5
21...	1050	20	42	5.0	25.0	6.4
21...	1731	1.0	140	5.8	26.0	6.4
21...	1732	5.0	136	5.6	26.0	6.2
21...	1733	10	148	5.4	25.0	6.2
21...	1734	15	160	5.4	25.0	6.1
21...	1735	20	163	5.4	25.0	6.0

30273908550600 - TCHOUTACABOUFFA RIVER AT MILE 7.00

024806025 (LAT 30 27 39 LONG 088 55 06)

MAY, 1975

21...	1031	1.0	52	5.4	25.0	6.4
21...	1032	5.0	50	5.2	25.0	6.4
21...	1033	10	50	5.0	24.5	6.4
21...	1034	15	50	5.0	24.5	6.4
21...	1035	20	52	4.9	24.5	6.4
21...	1036	25	52	5.0	24.5	6.4
21...	1037	30	52	5.1	24.5	6.2
21...	1038	35	53	5.2	24.0	6.2
21...	1039	40	66	5.2	24.0	6.0
21...	1711	1.0	46	5.6	26.0	6.6
21...	1712	5.0	46	5.4	25.5	6.6
21...	1713	10	46	5.2	25.5	6.5
21...	1714	15	46	5.0	25.5	6.5
21...	1715	20	46	4.9	25.5	6.5
21...	1716	25	46	4.6	25.5	6.4
21...	1717	30	46	4.6	25.0	6.4
21...	1718	35	46	4.7	25.0	6.4
21...	1719	40	46	4.8	25.0	6.4

30272608554500 - TCHOUTACABOUFFA RIVER AT MILE 6.00

024806028 (LAT 30 27 26 LONG 088 35 45)

MAY, 1975

21...	1016	1.0	60	6.8	25.0	6.3
21...	1017	5.0	60	6.3	25.0	6.3
21...	1018	10	60	5.9	25.0	6.3
21...	1019	15	60	5.6	24.5	6.2
21...	1020	20	60	4.9	25.0	6.2
21...	1021	25	60	5.0	25.0	6.2
21...	1022	30	60	5.2	25.0	6.2
21...	1023	35	60	5.2	25.0	6.1
21...	1701	1.0	52	5.4	26.0	6.6
21...	1702	5.0	52	5.3	26.0	6.5
21...	1703	10	52	5.2	25.0	6.4
21...	1704	15	52	5.2	25.0	6.4
21...	1705	20	52	5.0	25.0	6.4
21...	1706	25	52	4.9	25.0	6.4
21...	1707	30	54	4.7	25.0	6.2

02480605 - TCHOUTACABOUFFA RIVER AT CEDAR LAKE, MS (LAT 30 27 34 LONG 088 56 21)

MAY, 1975

21...	1006	1.0	68	6.6	25.0	6.1
21...	1007	5.0	64	6.2	25.0	6.1
21...	1008	10	66	5.8	24.5	6.0
21...	1009	13	67	5.5	24.5	5.8
21...	1631	1.0	64	5.8	26.0	6.2
21...	1632	5.0	64	5.6	25.0	6.2
21...	1633	10	64	5.4	25.0	6.2
21...	1634	13	64	5.4	25.0	6.2

3028451088570000 - TCHOUTACABOUFFA RIVER AT MILE 3.50

024806085 (LAT 30 26 51 LONG 088 57 00)

MAY, 1975

21...	0956	1.0	72	5.6	26.0	6.6
21...	0957	5.0	70	5.6	26.0	6.5
21...	0958	10	68	5.5	25.5	6.3
21...	0959	15	68	5.3	25.0	6.2
21...	1000	20	68	5.0	25.0	6.1
21...	1001	25	70	5.1	24.5	5.8
21...	1616	1.0	72	6.0	28.0	6.5
21...	1617	5.0	70	5.6	26.0	6.2
21...	1618	10	70	5.4	25.0	6.0
21...	1619	15	70	5.2	25.0	6.0

TCHOUTACAROUFFA RIVER AND CYPRESS CREEK.--CONTINUED

DATE	TIME	DEPTH (FT)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
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302700088580000 - TCHOUTACAROUFFA RIVER AT MILE 2.00 024806105 (LAT 30 27 00 LONG 088 58 00)

MAY , 1975

21...	0946	1.0	94	6.4	26.0	6.2
21...	0947	5.0	92	6.2	26.0	6.2
21...	0948	10	91	5.9	26.0	6.0
21...	0949	15	87	5.6	25.0	5.6
21...	1601	1.0	80	5.8	28.0	6.6
21...	1602	5.0	72	5.6	26.0	6.2
21...	1603	10	72	5.4	25.0	6.0
21...	1604	15	73	5.2	25.0	6.0

302636088584200 - TCHOUTACAROUFFA RIVER AT MILE 1.00 024806108 (LAT 30 26 36 LONG 088 58 42)

MAY , 1975

21...	0931	1.0	300	6.9	27.0	6.4
21...	0932	5.0	360	6.8	26.5	6.4
21...	0933	10	600	6.6	26.5	6.2
21...	0934	15	720	6.4	26.5	6.0
21...	1551	1.0	120	6.4	31.0	6.9
21...	1552	5.0	115	6.1	30.0	6.6
21...	1553	10	90	5.6	27.0	6.6
21...	1554	15	88	5.4	26.0	6.1
21...	1555	20	88	5.4	26.0	6.0

02480611 - TCHOUTACAROUFFA RIVER AT MOUTH NR HANDSHORO, MS (LAT 30 26 06 LONG 088 59 32)

MAY , 1975

21...	0901	1.0	820	6.6	27.0	6.4
21...	0902	5.0	820	6.5	27.0	6.4
21...	0903	10	1300	6.4	27.0	6.2
21...	0904	15	3600	6.6	26.5	4.9
21...	0905	20	4600	6.6	26.5	4.4
21...	0906	25	5200	6.6	26.5	4.1
21...	1546	1.0	200	5.8	28.0	6.2
21...	1547	5.0	170	5.8	28.0	6.8
21...	1548	10	150	5.6	27.0	6.4
21...	1549	15	140	5.5	26.0	6.0
21...	1550	20	120	5.4	26.0	5.8

TCHOUTACABOUFFA RIVER AND CYPRESS CREEK.--CONTINUED

DATE	TIME	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (P) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL ORTHO PHOS- PHORUS (P) (MG/L)	BIO- CHEM- ICAL OXYGEN DEMAND (MG/L)	FECAL COLI- FORM (COL. 5 DAY PER 100 ML)	STREP- TOCOCOY (COL- ONIES PER 100 ML)
3029150R8531400 - TCHOUTACABOUFFA RIVER AT MILE 13.1 024805892 (LAT 30 29 15 LONG 088 53 14)												
MAY , 1975												
21...	1145	.00	.00	.37	.37	.37	1.6	.01	.00	1.1	R71	R85
21...	1830	.00	.00	.32	.32	.32	1.4	.01	.01	.9	R0	R10
3028540R8531300 - TCHOUTACABOUFFA RIVER AT MILE 12.0 024805895 (LAT 30 28 54 LONG 088 53 13)												
MAY , 1975												
21...	1130	.00	.00	.40	.40	.40	1.6	.01	.00	.9	R85	R85
21...	1815	.01	.00	.25	.25	.26	1.2	.01	.00	1.1	R0	R30
02480590 - TCHOUTACABOUFFA RIVER NR D'IBERVILLE, MS (LAT 30 28 33 LONG 088 53 36)												
MAY , 1975												
21...	1120	.00	.00	.28	.28	.28	1.2	.01	.00	.9	R129	R10
21...	1800	.01	.00	.20	.20	.21	.93	.01	.00	.9	R10	R30
3028060R8535500 - TCHOUTACABOUFFA RIVER AT MILE 10.0 024805793 (LAT 30 28 06 LONG 088 53 55)												
MAY , 1975												
21...	1110	.00	.00	.40	.40	.40	1.8	.02	.00	.8	643	R67
21...	1750	.00	.00	.32	.32	.32	1.4	.01	.01	.9	R33	R100
3027410R8540200 - TCHOUTACABOUFFA RIVER AT MILE 9.0 024805795 (LAT 30 27 41 LONG 088 54 02)												
MAY , 1975												
21...	1100	.01	.09	.51	.60	.61	2.7	.06	.03	1.0	R380	R20
21...	1740	.00	.02	.53	.55	.55	2.4	.01	.01	.7	R14	R57
02480592 - CYPRESS CREEK NR BILOXI, MS (LAT 30 27 51 LONG 088 52 58)												
MAY , 1975												
21...	0915	.94	.14	1.1	1.2	2.1	9.5	1.0	.94	3.3	R190	R928
21...	1730	1.1	.14	1.2	1.3	2.4	11	1.2	1.1	2.5	R114	542
02480595 - CYPRESS CREEK NR D'IBERVILLE, MS (LAT 30 27 41 LONG 088 53 30)												
MAY , 1975												
21...	1230	.21	.19	.74	.93	1.1	5.0	.37	.29	1.4	R130	R100
21...	1915	.30	.17	.74	.91	1.2	5.4	.39	.31	1.5	R30	R120
02480598 - CYPRESS CREEK AT MOUTH NR D'IBERVILLE, MS (LAT 30 27 39 LONG 088 53 58)												
MAY , 1975												
21...	1215	.01	.01	.47	.48	.49	2.2	.05	.01	1.6	R80	R66
21...	1900	.01	.00	.35	.35	.36	1.6	.05	.01	1.9	R20	R20
02480600 - TCHOUTACABOUFFA RIVER NR WOOL MARKET, MS (LAT 30 27 34 LONG 088 54 30)												
MAY , 1975												
21...	1045	.01	.01	.46	.47	.48	2.1	.03	.01	.9	R60	R50
21...	1730	.01	.11	.45	.50	.57	2.5	.05	.03	1.1	R86	R100
3027390R8550600 - TCHOUTACABOUFFA RIVER AT MILE 7.00 024806025 (LAT 30 27 39 LONG 088 55 06)												
MAY , 1975												
21...	1030	.01	.01	.44	.45	.46	2.0	.03	.01	1.0	R210	R33
21...	1710	.00	.00	.41	.41	.41	1.8	.03	.00	1.0	R20	R30
3027260R8554500 - TCHOUTACABOUFFA RIVER AT MILE 6.00 024806028 (LAT 30 27 26 LONG 088 55 45)												
MAY , 1975												
21...	1015	.01	.02	.41	.43	.44	1.9	.04	.02	1.1	R140	R40
21...	1700	.00	.01	.35	.36	.36	1.6	.02	.01	.8	R100	R28
02480605 - TCHOUTACABOUFFA RIVER AT CEDAR LAKE, MS (LAT 30 27 34 LONG 088 56 21)												
MAY , 1975												
21...	1005	.00	.01	.42	.43	.43	1.9	.03	.01	1.5	R140	R43
21...	1630	.01	.00	.29	.29	.30	1.3	.04	.01	1.1	R0	42
3026510R8570000 - TCHOUTACABOUFFA RIVER AT MILE 3.50 024806085 (LAT 30 26 51 LONG 088 57 00)												
MAY , 1975												
21...	0955	.01	.01	.45	.46	.47	2.1	.02	.01	1.3	13	70
21...	1615	.01	.00	.45	.45	.46	2.0	.03	.01	1.0	160	142

TCHOUTACAROUFFA RIVER AND CYPRESS CREEK.--CONTINUED

DATE	TIME	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	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)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM (COL. PER 100 ML)	STREP- TOCOCCI (COL- ONIES PER 100 ML)
302700088590000 - TCHOUTACAROUFFA RIVER AT MILE 2.00 024806105 (LAT 30 27 00 LONG 088 58 00)												
MAY , 1975												
21...	0945	.01	.01	.41	.42	.43	1.9	.03	.01	1.6	857	810
21...	1600	.01	.01	.33	.34	.35	1.6	.02	.00	.9	8200	850
302536088584200 - TCHOUTACAROUFFA RIVER AT MILE 1.00 024806108 (LAT 30 26 36 LONG 088 58 42)												
MAY , 1975												
21...	0930	.03	.05	.42	.47	.50	2.2	.05	.01	2.4	810	820
21...	1650	.01	.00	.48	.48	.49	2.2	.03	.02	1.1	220	857
02480611 - TCHOUTACAROUFFA RIVER AT MOUTH NR HANDSBORO, MS (LAT 30 26 06 LONG 088 59 32)												
MAY , 1975												
21...	0900	.02	.05	.52	.57	.59	2.6	.05	.01	2.1	8150	810
21...	1645	.01	.00	.46	.46	.47	2.1	.03	.01	1.7	880	830

BACK BAY OF BILOXI

An intensive study of the quality of surface waters in the Back Bay of Biloxi was made June 12-14, 1973. Field determinations of water quality were made at 20 sites in the study area. Listed below are site locations and results of quality water field determinations made during the study.

DATE	TIME	DEPTH (FT)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN * (MG/L)
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02480605 - TCHOUTACABOUFFA RIVER AT CEDAR LAKE, MS (LAT 30 27 34 LONG 088 56 21)

JUNE, 1973

12...	1125	1.0	80	26.0	5.0
12...	1126	5.0	80	26.0	4.9
12...	1127	10	80	26.0	4.8
12...	1128	11	80	26.0	4.8
13...	0948	1.0	75	26.0	4.8
13...	0949	5.0	70	26.0	4.8
13...	0950	10	65	26.0	4.8
13...	0951	15	70	26.0	4.7
14...	1059	1.0	95	27.0	5.0
14...	1100	5.0	90	26.5	4.8
14...	1101	10	85	26.5	4.7
14...	1102	14	85	26.5	4.7

302651088570000 - TCHOUTACABOUFFA RIVER AT MILE 3.50 024806085 (LAT 30 26 51 LONG 088 57 00)

JUNE, 1973

12...	1115	1.0	150	27.0	5.0
12...	1116	5.0	145	27.0	4.8
12...	1117	15	145	26.5	4.8
12...	1118	20	145	26.5	4.8
12...	1119	25	145	26.5	4.8
12...	1120	30	145	26.5	4.8
13...	0941	1.0	145	27.0	5.2
13...	0942	5.0	145	27.0	4.7
13...	0943	10	140	27.0	4.7
13...	0944	15	125	26.5	4.7
13...	0945	20	100	26.5	4.7
13...	0946	25	100	26.5	4.6
13...	0947	26	100	26.5	4.6
14...	1054	1.0	220	28.5	5.3
14...	1055	5.0	220	28.0	5.0
14...	1056	10	170	27.0	4.8
14...	1057	15	140	27.0	4.7
14...	1058	16	140	27.0	4.7

302700088580000 - TCHOUTACABOUFFA RIVER AT MILE 2.00 024806105 (LAT 30 27 00 LONG 088 58 00)

JUNE, 1973

12...	1110	1.0	240	27.5	4.7
12...	1111	5.0	240	27.5	4.7
12...	1112	10	240	27.5	4.6
12...	1113	15	320	27.5	4.5
12...	1114	17	320	27.5	4.4
12...	2105	1.0	130	27.0	5.2
12...	2106	5.0	110	26.5	4.8
12...	2107	10	110	25.5	4.8
12...	2108	15	90	25.5	4.8
13...	0936	1.0	400	29.0	5.0
13...	0937	5.0	300	28.5	4.7
13...	0938	10	240	28.0	4.5
13...	0939	15	220	28.0	4.5
13...	0940	16	220	28.0	4.5
13...	2055	1.0	75	27.0	4.5
13...	2056	5.0	75	27.0	4.5
13...	2057	10	75	26.5	4.5
13...	2058	13	75	26.5	4.5
14...	1050	1.0	550	30.0	5.1
14...	1051	5.0	475	29.5	5.0
14...	1052	10	320	28.0	4.7
14...	1053	15	300	28.0	4.4

BACK BAY OF RILOXI.--CONTINUED

DATE	TIME	DEPTH (FT)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
30263608A584200 - TCHOUTACABOUFFA RIVER AT MILE 1.00 024806108 (LAT 30 26 36 LONG 088 58 42)					
JUNE, 1973					
12...	1105	1.0	400	28.5	4.8
12...	1106	5.0	400	28.5	4.8
12...	1107	10	400	28.0	4.7
12...	1108	15	400	28.0	4.7
12...	1109	20	400	28.0	4.6
12...	2101	1.0	180	27.0	5.0
12...	2102	5.0	160	27.0	4.9
12...	2103	10	150	27.0	4.8
12...	2104	11	150	27.0	4.6
13...	0932	1.0	600	29.5	5.3
13...	0933	5.0	560	29.5	5.0
13...	0934	10	540	29.5	4.8
13...	0935	15	500	29.0	4.8
13...	2050	1.0	150	27.0	4.6
13...	2051	5.0	120	26.5	4.6
13...	2052	10	115	26.5	4.5
13...	2053	13	120	26.5	4.3
14...	1046	1.0	800	30.0	5.7
14...	1047	5.0	800	30.0	5.2
14...	1048	10	800	30.0	5.1
14...	1049	15	800	30.0	5.0
302742089004900 - RILOXI RIVER AT MILE 4.4 024811495 (LAT 30 27 42 LONG 089 00 49)					
JUNE, 1973					
14...	1130	1.0	50	27.0	5.4
14...	1131	5.0	54	27.0	5.1
14...	1132	10	56	26.5	5.0
14...	1133	15	56	26.5	4.9
02481150 - RILOXI RIVER NR LORAIN, MS (LAT 30 27 10 LONG 089 00 50)					
JUNE, 1973					
12...	1200	1.0	52	27.0	5.2
12...	1201	5.0	52	27.0	5.2
12...	1202	10	52	26.5	5.2
12...	1203	15	52	26.0	5.1
13...	1015	1.0	140	28.0	5.5
13...	1016	5.0	80	27.0	5.2
13...	1017	10	60	27.0	5.1
13...	1018	15	60	27.0	5.0
13...	1019	20	65	27.0	4.8
14...	1125	1.0	300	29.5	5.5
14...	1126	5.0	130	27.0	5.3
14...	1127	10	70	27.0	5.2
14...	1128	15	70	27.0	5.2
14...	1129	20	75	27.0	5.1
02481151 - RILOXI RIVER AT I-10 NR LORAIN, MS (LAT 30 26 52 LONG 089 00 34)					
JUNE, 1973					
12...	1150	1.0	280	28.0	5.2
12...	1151	5.0	180	27.0	5.0
12...	1152	10	140	26.5	5.0
12...	1153	15	140	26.5	5.0
12...	2112	1.0	56	27.0	5.5
12...	2113	5.0	58	27.0	5.5
12...	2114	10	58	27.0	5.5
12...	2115	15	58	27.0	5.5
13...	1010	1.0	400	29.0	5.0
13...	1011	5.0	340	29.0	4.7
13...	1012	10	320	27.5	4.7
13...	1013	15	58	27.5	4.9
13...	1014	16	58	27.5	4.9
13...	2115	1.0	75	27.5	4.8
13...	2116	5.0	70	27.0	4.7
13...	2117	10	65	27.0	4.9
13...	2118	13	65	27.0	4.7
14...	1120	1.0	450	29.0	5.3
14...	1121	5.0	400	29.0	5.0
14...	1122	10	340	28.5	5.0
14...	1123	15	150	28.0	5.0
14...	1124	16	150	28.0	5.0

BACK BAY OF RILOXI--CONTINUED

DATE	TIME	DEPTH (FT)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
302604089003200 - RILOXI RIVER AT MILE 1.4			024811695 (LAT 30 26 04 LONG 089 00 32)		
JUNE, 1973					
12...	1145	1.0	475	29.0	5.3
12...	1146	5.0	475	29.0	4.9
12...	1147	10	475	29.0	4.8
12...	1148	15	475	29.0	4.7
12...	1149	17	475	29.0	4.7
12...	2105	1.0	550	29.0	5.8
12...	2110	5.0	300	28.5	5.2
12...	2111	10	190	27.0	4.6
13...	1005	1.0	550	30.0	5.4
13...	1006	5.0	550	30.0	5.0
13...	1007	10	550	30.0	4.8
13...	1008	13	550	30.0	4.8
13...	2110	1.0	575	30.0	5.3
13...	2111	5.0	425	29.0	5.0
13...	2112	10	400	29.0	4.7
13...	2113	11	400	29.0	4.7
14...	1115	1.0	700	30.0	5.6
14...	1116	5.0	700	30.0	5.6
14...	1117	10	700	30.0	5.6
14...	1118	15	700	30.0	5.7
14...	1119	19	700	30.0	5.8

302603094593200 - BIG LAKE PL TCHOUTACAROUFFA & RILOXI R 024811701 (LAT 30 26 03 LONG 088 59 32)

JUNE, 1973					
12...	1055	1.0	650	29.0	4.9
12...	1056	5.0	650	29.0	4.9
12...	1057	10	650	29.0	4.9
12...	1058	15	650	29.0	4.9
12...	1059	20	650	29.0	4.9
12...	1100	25	650	29.0	4.9
12...	1101	30	650	29.0	4.9
12...	1102	35	650	29.0	4.9
12...	1103	40	650	29.0	4.8
12...	2030	1.0	500	30.0	5.7
12...	2031	5.0	360	29.0	5.3
12...	2032	10	360	29.0	5.3
12...	2033	15	320	29.0	5.1
12...	2034	20	300	29.0	5.1
12...	2035	25	300	29.0	5.1
12...	2036	30	300	29.0	5.0
12...	2037	35	290	29.0	5.0
12...	2038	40	280	28.5	5.0
12...	2039	45	280	28.5	5.0
12...	2040	50	260	28.0	4.8
13...	0922	1.0	1000	29.5	5.4
13...	0923	5.0	1000	29.5	5.3
13...	0924	10	1000	29.5	5.3
13...	0925	15	1000	29.5	5.3
13...	0926	20	950	29.5	5.3
13...	0927	25	950	29.5	5.1
13...	0928	30	950	29.5	5.1
13...	0929	35	1000	29.5	5.1
13...	0930	40	1100	29.5	5.0
13...	0931	45	1100	29.5	4.8
13...	2040	1.0	380	29.0	5.3
13...	2041	5.0	400	29.0	5.1
13...	2042	10	400	29.5	5.0
13...	2043	15	300	29.0	5.0
13...	2044	20	300	29.0	4.8
13...	2045	25	280	29.0	4.7
13...	2046	30	250	29.0	4.7
13...	2047	35	250	28.5	4.6
13...	2048	40	260	28.5	4.7
13...	2049	45	260	28.5	4.7
14...	1036	1.0	1350	30.0	6.0
14...	1037	5.0	1300	30.0	5.6
14...	1038	10	1300	30.0	5.5
14...	1039	15	1400	30.0	5.5
14...	1040	20	1400	30.0	5.7
14...	1041	25	1400	30.0	5.7
14...	1042	30	1500	30.0	5.7
14...	1043	35	1500	30.0	5.4
14...	1044	40	1500	30.0	5.4
14...	1045	45	1500	30.0	5.3

BACK BAY OF BILOXI.--CONTINUED

DATE	TIME	DEPTH (FT)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
302534088594600 - BIG LAKE NR BURNT BRIDGE			024812699 (LAT 30 25 34 LONG 088 58 46)		
JUNE, 1973					
12...	1050	1.0	900	29.0	5.4
12...	1051	5.0	1100	29.0	4.9
12...	1052	10	1200	29.0	4.7
12...	1053	13	1300	29.0	4.6
12...	2028	1.0	450	29.5	5.5
12...	2029	5.0	400	29.0	5.1
12...	2030	6.0	400	29.0	5.1
13...	0916	1.0	1200	29.0	5.2
13...	0917	5.0	1400	29.0	5.2
13...	0918	10	1500	29.0	5.1
13...	0919	15	1600	29.0	5.1
13...	0920	20	1700	29.0	5.1
13...	0921	23	1700	29.0	4.9
13...	2035	1.0	425	29.0	5.3
13...	2036	5.0	400	29.0	5.1
13...	2037	10	420	29.0	5.0
13...	2038	11	420	29.0	5.0
14...	1029	1.0	1600	30.0	5.7
14...	1030	5.0	1900	30.0	5.4
14...	1031	10	2100	29.0	5.2
14...	1032	15	2100	29.0	5.1
14...	1033	20	2300	29.0	5.1
14...	1034	25	2300	29.0	5.0
14...	1035	26	2300	29.0	5.0

02481270 - BACK BAY OF BILOXI NEAR BILOXI, MISS. (LAT 30 24 56 LONG 088 58 33)

JUNE, 1973					
12...	1035	1.0	1450	29.0	5.2
12...	1036	5.0	1450	29.0	5.1
12...	1037	10	1650	29.0	4.9
12...	1038	14	1650	29.0	4.3
12...	2022	1.0	480	31.0	5.9
12...	2023	5.0	480	31.0	5.8
12...	2024	1.0	500	31.0	5.6
12...	2025	15	500	30.0	5.5
12...	2026	20	480	30.0	5.2
12...	2027	21	480	30.0	5.2
13...	0909	1.0	1900	29.0	5.6
13...	0910	5.0	2000	29.0	5.2
13...	0911	10	2300	29.0	5.2
13...	0912	15	2400	29.0	5.1
13...	0913	20	2500	29.0	5.1
13...	0914	25	2600	29.0	5.0
13...	0915	26	2600	29.0	5.0
13...	2011	1.0	580	31.0	5.2
13...	2012	5.0	580	31.0	5.1
13...	2013	10	580	31.0	5.1
13...	2014	15	560	30.5	5.0
13...	2015	20	520	30.0	5.0
14...	1023	1.0	2200	29.0	5.9
14...	1024	5.0	2500	29.0	5.5
14...	1025	10	2800	29.0	5.4
14...	1026	15	3000	29.0	5.3
14...	1027	20	3200	29.0	5.0
14...	1028	25	3200	29.0	4.9

BACK BAY OF RTLOXI.--CONTINUED

DATE	TIME	DEPTH (FT)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
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30250808573200 - BACK BAY OF RTLOXI AT MILE 7.3

024812715 (LAT 30 25 08 LONG 088 57 32)

JUNE, 1973

12...	1026	1.0	2000	28.5	5.3
12...	1027	5.0	2200	28.5	4.6
12...	1028	10	2400	28.5	4.6
12...	1029	15	2700	28.5	4.5
12...	1030	20	2800	28.5	4.5
12...	1031	25	3100	28.5	4.3
12...	2016	1.0	500	30.0	5.8
12...	2017	5.0	520	30.0	5.6
12...	2018	10	500	30.0	5.6
12...	2019	15	500	30.0	5.6
12...	2020	20	600	30.0	5.6
12...	2021	25	800	30.0	5.5
13...	0901	1.0	2700	29.0	5.5
13...	0902	5.0	2800	29.0	5.3
13...	0903	10	3300	29.0	5.0
13...	0904	15	4000	29.0	4.8
13...	0905	20	4000	29.0	4.7
13...	0906	25	4000	29.0	4.7
13...	0907	30	4000	29.0	4.6
13...	2005	1.0	675	31.0	5.4
13...	2006	5.0	650	31.0	5.3
13...	2007	10	650	31.0	5.3
13...	2008	15	650	31.0	5.3
13...	2009	20	750	31.0	5.3
13...	2010	23	750	31.0	5.1
14...	1016	1.0	3200	29.0	5.8
14...	1017	5.0	3200	29.0	5.5
14...	1018	10	4000	29.0	4.9
14...	1019	15	4000	29.0	4.8
14...	1020	20	4000	28.5	4.7
14...	1021	25	4250	28.5	4.7
14...	1022	30	4250	28.5	4.7

30251308564400 - BACK BAY OF RTLOXI AT MILE 6.5

024812725 (LAT 30 25 13 LONG 088 56 44)

JUNE, 1973

12...	1020	1.0	2000	27.0	5.7
12...	1021	5.0	2200	27.0	5.0
12...	1022	10	3200	27.0	4.5
12...	1023	15	3300	27.0	4.5
12...	1024	20	3700	28.5	4.3
12...	1025	25	3900	28.5	4.3
12...	2010	1.0	700	30.0	5.7
12...	2011	50	700	30.0	5.7
12...	2012	10	700	30.0	5.7
12...	2013	15	700	30.0	5.5
12...	2014	20	700	30.0	5.5
12...	2015	21	700	30.0	5.5
13...	0455	1.0	2600	29.0	5.3
13...	0456	5.0	3000	29.0	5.2
13...	0457	10	4000	29.0	4.9
13...	0458	15	4500	29.0	4.7
13...	0459	20	5000	29.0	4.7
13...	0900	23	5000	29.0	4.5
13...	2000	1.0	850	30.5	5.5
13...	2001	5.0	800	30.5	5.5
13...	2002	10	875	30.5	5.5
13...	2003	15	875	30.5	5.6
13...	2004	20	875	30.5	5.5
14...	1010	1.0	2800	29.0	5.5
14...	1011	5.0	3600	29.0	5.5
14...	1012	10	3800	29.0	5.1
14...	1013	15	5000	29.0	4.5
14...	1014	20	5000	29.0	4.5
14...	1015	23	5000	29.0	4.5

BACK BAY OF BILOXI.--CONTINUED

DATE	TIME	DEPTH (FT)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
302500088560000 - BACK BAY OF BILOXI AT MILE 5.7			024812735 (LAT 30 25 00 LONG 088 56 00)		
JUNE, 1973					
12...	1010	1.0	2600	27.0	5.3
12...	1011	5.0	3500	28.0	4.7
12...	1012	10	4500	28.0	4.4
12...	1013	15	5500	28.0	4.0
12...	2005	1.0	850	30.0	5.8
12...	2006	5.0	925	30.0	5.8
12...	2007	10	1200	30.0	5.8
12...	2008	13	1200	30.0	5.9
13...	0850	1.0	4500	28.5	5.4
13...	0851	5.0	4500	28.5	5.4
13...	0852	10	4500	28.5	5.2
13...	0853	15	4700	28.5	4.8
13...	1955	1.0	1000	30.0	5.7
13...	1956	5.0	1300	30.0	5.7
13...	1957	9.0	1400	30.0	5.7
14...	1005	1.0	6500	28.5	5.8
14...	1006	5.0	6500	28.5	5.6
14...	1007	10	7000	28.5	5.5
14...	1008	12	7000	28.5	4.8
302519088551100 - BACK BAY OF BILOXI AT MILE 4.8			024812745 (LAT 30 25 19 LONG 088 55 11)		
JUNE, 1973					
12...	1005	1.0	2800	28.0	5.2
12...	1006	5.0	4000	28.0	4.8
12...	1007	10	5500	28.0	4.1
12...	1008	13	6500	28.0	4.0
12...	2000	1.0	1000	29.0	5.7
12...	2001	5.0	1030	29.5	5.6
12...	2002	10	1400	29.5	5.8
12...	2003	15	2500	29.0	5.0
12...	2004	20	6000	28.5	3.1
13...	0840	1.0	4500	28.0	5.5
13...	0841	5.0	5500	28.5	4.9
13...	0842	10	6000	28.5	4.7
13...	0843	13	4000	28.5	4.5
13...	1950	1.0	1300	30.0	5.7
13...	1951	5.0	1300	30.0	5.6
13...	1952	10	1400	30.0	5.6
13...	1953	12	1400	30.0	5.6
14...	1000	1.0	7000	29.0	5.7
14...	1001	5.0	7750	29.0	5.5
14...	1002	10	8500	29.0	5.3
14...	1003	15	9000	28.5	4.5
302520088540000 - BACK BAY OF BILOXI AT MILE 3.6			024812755 (LAT 30 25 28 LONG 088 54 00)		
JUNE, 1973					
12...	1000	1.0	5000	28.0	5.6
12...	1001	5.0	6000	28.0	4.7
12...	1002	10	7000	28.0	4.0
12...	1003	15	7500	28.0	3.8
12...	1004	20	8500	28.0	3.6
12...	1955	1.0	1800	29.0	6.3
12...	1956	5.0	1900	29.0	6.3
12...	1957	10	2100	29.5	6.3
12...	1958	15	2400	29.5	6.1
12...	1959	19	3500	29.0	4.3
13...	0835	1.0	7000	28.5	5.1
13...	0836	5.0	7500	29.0	4.7
13...	0837	10	8500	29.0	4.1
13...	0838	15	9500	28.5	3.9
13...	0839	20	9500	28.5	3.9
13...	1445	1.0	2100	29.5	5.7
13...	1446	5.0	2200	30.0	5.7
13...	1447	10	2300	30.0	5.7
13...	1448	15	2300	30.0	5.6
13...	1449	20	3300	29.0	4.7
14...	0955	1.0	7500	28.5	5.1
14...	0956	5.0	8000	28.5	4.5
14...	0957	10	8500	28.0	4.1
14...	0958	15	9000	28.0	3.9
14...	0959	17	9000	28.0	3.9

BACK BAY OF BILOXI--CONTINUED

DATE	TIME	DEPTH (FT)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
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02481279 - BACK BAY OF BILOXI AT D'IBERVILLE, MS (LAT 30 25 12 LONG 088 53 29)

JUNE, 1973					
12...	0950	1.0	10500	28.0	4.9
12...	0951	5.0	10600	28.0	4.1
12...	0952	10	10800	28.0	4.0
12...	0953	15	11000	28.0	3.8
12...	0954	16	11000	28.0	3.8
12...	1950	1.0	2000	29.0	6.0
12...	1951	5.0	2000	29.0	5.9
12...	1952	10	2500	29.0	5.8
12...	1953	11	2500	29.0	5.8
13...	0830	1.0	8000	28.5	5.0
13...	0831	5.0	9500	28.5	4.4
13...	0832	10	10000	28.5	4.3
13...	0833	15	11000	28.5	3.8
13...	0834	16	11000	28.5	3.8
13...	1940	1.0	2800	29.0	5.5
13...	1941	5.0	2800	29.0	5.3
13...	1942	10	3000	29.0	5.3
13...	1943	13	3000	29.0	5.0
14...	0930	1.0	8250	29.0	5.1
14...	0931	5.0	9000	28.5	4.6
14...	0932	10	10000	28.0	4.5
14...	0933	15	10500	28.0	4.3
14...	0934	16	10500	28.0	4.3

30245008524900 - BACK BAY OF BILOXI AT MILE 2.2

024812795 (LAT 30 24 50 LONG 088 52 49)

JUNE, 1973					
12...	0945	1.0	10000	28.0	4.2
12...	0946	5.0	11000	27.5	4.1
12...	0947	10	12000	27.5	3.6
12...	0948	15	16000	28.0	3.6
12...	1940	1.0	3500	29.0	6.1
12...	1941	5.0	4250	29.0	6.1
12...	1942	10	4750	29.0	6.0
12...	1943	15	18000	28.0	2.7
12...	1944	16	18000	28.0	2.7
13...	0825	1.0	12000	28.0	4.8
13...	0826	5.0	12000	28.0	4.8
13...	0827	10	13000	28.0	4.6
13...	1935	1.0	4250	29.0	5.7
13...	1936	5.0	4500	29.0	5.7
13...	1937	10	5000	29.0	5.7
13...	1938	12	5000	29.0	5.7
14...	0920	1.0	12000	28.0	6.2
14...	0921	5.0	12000	28.0	6.0
14...	0922	10	12000	28.0	5.7
14...	0923	11	12000	28.0	5.7

30243008520900 - BACK BAY OF BILOXI AT MILE 1.5

024812805 (LAT 30 24 39 LONG 088 52 09)

JUNE, 1973					
12...	0940	1.0	11000	27.5	4.9
12...	0941	5.0	12500	28.5	3.8
12...	0942	10	16000	28.0	3.7
12...	0943	15	17000	28.0	3.7
12...	0944	18	17000	28.0	3.5
12...	1935	1.0	4500	29.0	6.1
12...	1936	5.0	5000	29.0	6.0
12...	1937	10	7000	29.0	4.7
12...	1938	15	12000	28.0	3.1
12...	1939	16	12000	28.0	3.1
13...	0810	1.0	14000	28.0	3.8
13...	0811	5.0	14000	28.0	3.7
13...	0812	10	14000	28.0	3.7
13...	0813	15	15000	28.0	3.6
13...	0814	20	12000	28.0	3.5
13...	1930	1.0	5250	29.0	5.4
13...	1931	5.0	5250	29.0	5.4
13...	1932	10	6500	29.0	5.2
13...	1933	15	6000	29.0	5.2
13...	1934	16	6000	29.0	5.2
14...	0910	1.0	13500	28.5	5.7
14...	0911	5.0	13500	28.5	5.7
14...	0912	10	13500	28.5	5.7
14...	0913	15	14000	28.5	5.0
14...	0914	19	14000	28.5	4.5

ANALYSES OF SAMPLES COLLECTED DURING SHORT-TERM INTENSIVE STUDIES

BACK RAY OF BILOXI.--CONTINUED

DATE	TIME	DEPTH (FT)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
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02481300 - BACK RAY OF BILOXI AT OCEAN SPRINGS, MISS. (LAT 30 24 18 LONG 088 50 46)

JUNE, 1973

12...	0935	1.0	14000	28.0	4.7
12...	0936	5.0	15000	28.0	4.7
12...	0937	10	17000	28.0	4.2
12...	0938	14	20000	28.0	3.4
12...	1930	1.0	6000	29.0	6.0
12...	1931	5.0	6000	29.0	6.0
12...	1932	10	7000	29.0	5.4
12...	1933	12	16000	29.0	3.2
13...	0755	1.0	16000	28.0	4.5
13...	0756	5.0	16000	28.0	4.2
13...	0757	10	17000	28.0	4.1
13...	0758	15	17000	28.0	3.7
13...	1920	1.0	6500	29.0	5.4
13...	1921	5.0	6500	29.0	5.3
13...	1922	10	7000	29.0	5.2
13...	1923	14	7000	29.0	5.0
14...	0840	1.0	16000	28.5	4.7
14...	0841	5.0	16000	28.5	4.5
14...	0842	10	16000	28.5	4.2
14...	0843	15	17000	28.5	4.0

BAY ST. LOUIS AREA

An intensive study of the quality of surface waters in the Bay St. Louis area was made Feb. 12-14, 1974, and March 4-6, 1974. Quality water parameters were determined at 83 sites on the Jourdan River and its tributaries in the study area. Listed below are site locations and field and laboratory determinations of water quality made during the study.

DATE	TIME	DEPTH (FT)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
302140089132400 - RAYOU PORTAGE AT MI 3.98			024813101 (LAT 30 21 40 LONG 089 13 24)		
FER.. 1974					
13...	1110	1.0	90	14.0	8.6
13...	1111	3.0	90	14.0	8.6
13...	2010	1.0	85	17.0	8.2
13...	2011	3.0	85	17.0	8.2
302133089133600 - RAYOU PORTAGE AT MI 3.78			024813102 (LAT 30 21 33 LONG 089 13 36)		
FER.. 1974					
13...	1105	1.0	110	13.5	8.2
13...	1106	5.0	110	13.0	8.2
13...	1107	8.0	110	13.0	8.2
13...	2000	1.0	150	17.0	7.9
13...	2001	5.0	120	16.0	7.6
302130089134700 - RAYOU PORTAGE AT MI 3.30			024813111 (LAT 30 21 30 LONG 089 13 47)		
FER.. 1974					
13...	2000	1.0	150	17.0	7.9
13...	2002	5.0	120	16.0	7.6
302125089135400 - RAYOU PORTAGE AT MI 3.00			024813121 (LAT 30 21 25 LONG 089 13 54)		
FER.. 1974					
13...	1100	1.0	155	13.5	8.2
13...	1101	5.0	160	13.0	8.2
13...	1102	9.0	170	13.0	8.2
13...	1957	1.0	180	15.0	7.7
13...	1958	5.0	180	14.0	7.5
13...	1959	9.0	180	13.0	7.4
302122089140800 - RAYOU PORTAGE AT MI 2.66			024813122 (LAT 30 21 22 LONG 089 14 08)		
FER.. 1974					
13...	1055	1.0	180	13.5	8.1
13...	1056	5.0	180	13.0	8.1
13...	1953	1.0	230	15.0	8.0
13...	1954	5.0	230	15.0	8.0
302115089141600 - RAYOU PORTAGE AT MI 2.44			024813123 (LAT 30 21 15 LONG 089 14 16)		
FER.. 1974					
13...	1050	1.0	210	13.0	8.1
13...	1051	5.0	220	13.0	8.0
13...	1950	1.0	250	15.0	7.9
13...	1951	5.0	240	14.0	7.7
13...	1952	7.0	240	14.0	7.7
302104089141900 - RAYOU PORTAGE AT MI 2.16			024813124 (LAT 30 21 04 LONG 089 14 19)		
FER.. 1974					
13...	1045	1.0	230	13.0	8.2
13...	1046	5.0	230	13.0	8.2
13...	1945	1.0	280	15.0	8.0
13...	1946	5.0	280	15.0	7.9
13...	1947	9.0	280	14.0	7.6
302057089143200 - RAYOU PORTAGE AT MI 1.84			024813125 (LAT 30 20 57 LONG 089 14 32)		
FER.. 1974					
13...	1040	1.0	260	13.0	8.2
13...	1041	5.0	260	13.0	8.1
13...	1042	7.0	260	13.0	8.1
13...	1940	1.0	380	15.0	8.1
13...	1941	5.0	350	15.0	7.8
13...	1942	9.0	350	13.0	7.5
302045089143400 - RAYOU PORTAGE AT MI 1.58			024813126 (LAT 30 20 45 LONG 089 14 34)		
FER.. 1974					
13...	1035	1.0	300	13.0	6.1
13...	1036	5.0	300	13.0	6.1
13...	1935	1.0	500	15.0	8.8
13...	1936	5.0	500	15.0	8.8
13...	1937	6.0	500	15.0	8.8

RAY ST. LOUIS AREA---CONTINUED

DATE	TIME	DEPTH (FT)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
02481313 - BAYOU PORTAGE AT MI 1.20 NR CUEVAS, MS (LAT 30 20 31 LONG 089 14 42)					
FEB., 1974					
13...	1030	1.0	400	13.0	8.7
13...	1031	5.0	450	13.0	8.5
13...	1930	1.0	500	15.0	8.9
13...	1931	5.0	500	15.0	8.9
13...	1932	6.0	500	15.0	8.9
02481320 - JOHNSON BAYOU AT MENGE AVE NR PASS CHRISTIAN, MS (LAT 30 20 15 LONG 089 13 05)					
FEB., 1974					
13...	1210	1.0	175	15.0	7.0
13...	1211	5.0	175	13.5	6.8
13...	1915	1.0	175	17.5	6.8
13...	1916	5.0	175	15.0	6.2
13...	1917	8.0	175	14.0	6.1
302015089132700 - JOHNSON BAYOU AT MI 2.96 024813201 (LAT 30 20 15 LONG 089 13 27)					
FEB., 1974					
13...	1205	1.0	220	13.0	6.7
13...	1206	5.0	220	13.0	6.7
302013089133700 - JOHNSON BAYOU AT MI 2.58 024813202 (LAT 30 20 13 LONG 089 13 37)					
FEB., 1974					
13...	1912	1.0	230	16.0	5.8
13...	1913	5.0	230	13.5	5.6
302011089134800 - JOHNSON BAYOU AT MI 2.30 024813204 (LAT 30 20 11 LONG 089 13 48)					
FEB., 1974					
13...	1200	1.0	220	13.5	6.4
13...	1201	4.0	240	13.0	6.4
13...	1909	1.0	260	15.0	6.2
13...	1910	5.0	270	14.0	6.2
13...	1911	6.0	270	14.0	6.2
302015089135900 - JOHNSON BAYOU AT MI 1.80 024813205 (LAT 30 20 15 LONG 089 13 59)					
FEB., 1974					
13...	1155	1.0	250	13.5	6.6
13...	1156	5.0	250	13.5	6.5
13...	1157	10	250	13.0	6.5
13...	1158	11	250	13.0	6.5
13...	1905	1.0	300	15.0	6.4
13...	1906	5.0	300	15.0	6.0
13...	1907	10	300	14.0	5.9
13...	1908	13	320	14.0	5.9
302015089140800 - JOHNSON BAYOU AT MI 1.40 024813206 (LAT 30 20 15 LONG 089 14 08)					
FEB., 1974					
13...	1150	1.0	300	13.5	6.8
13...	1151	5.0	300	13.5	6.7
13...	1152	9.0	300	13.0	6.7
13...	1900	1.0	340	15.0	6.5
13...	1901	5.0	340	14.0	6.5
13...	1902	10	340	14.0	6.5
302013089141500 - JOHNSON BAYOU AT MI 1.10 024813207 (LAT 30 20 13 LONG 089 14 15)					
FEB., 1974					
13...	1145	1.0	320	13.0	7.1
13...	1146	5.0	320	13.0	7.1
13...	1147	7.0	320	13.0	7.1
13...	1855	1.0	400	14.0	7.7
13...	1856	5.0	400	14.0	7.5
13...	1857	8.0	400	14.0	7.5
302015089142300 - JOHNSON BAYOU AT MI 0.60 024813208 (LAT 30 20 15 LONG 089 14 23)					
FEB., 1974					
13...	1140	1.0	320	13.0	7.8
13...	1141	5.0	340	13.0	7.9
13...	1142	6.0	340	13.0	7.9
13...	1853	1.0	500	15.0	8.7
13...	1855	7.0	500	15.0	8.7
13...	1857	5.0	500	15.0	8.7

RAY ST. LOUIS AREA.--CONTINUED

DATE	TIME	DEPTH (FT)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
302021089143200 - JOHNSON BAYOU AT MI 0.26			024813209 (LAT 30 20 21 LONG 089 14 32)		
FEB.. 1974					
13...	1135	1.0	350	13.5	8.1
13...	1136	5.0	380	13.0	8.1
13...	1137	8.0	380	13.0	8.1
13...	1850	1.0	500	15.0	9.0
13...	1851	5.0	500	15.0	8.9
13...	1852	9.0	500	15.0	8.9
02481321 - JOHNSON BAYOU AT MOUTH NR PASS CHRISTIAN, MS (LAT 30 20 27 LONG 089 14 40)					
FEB.. 1974					
13...	1130	1.0	500	14.0	9.1
13...	1131	5.0	500	14.0	9.1
13...	1132	8.0	500	14.0	9.2
13...	1445	1.0	500	15.0	9.1
13...	1846	5.0	500	15.0	9.0
13...	1847	8.0	500	15.0	9.0
302033089152100 - BAYOU PORTAGE AT MI 0.50			024813225 (LAT 30 20 33 LONG 089 15 21)		
FEB.. 1974					
13...	1840	1.0	475	15.0	9.8
13...	1841	5.0	475	15.0	9.7
13...	1842	10	475	15.0	9.7
13...	1843	12	475	15.0	9.7
02481325 - BAYOU PORTAGE AT HENDERSON AVE NR DE LISLE, MS (LAT 30 20 32 LONG 089 15 52)					
FEB.. 1974					
13...	1020	1.0	450	13.0	9.6
13...	1021	5.0	450	13.0	9.5
13...	1022	10	450	13.0	9.5
13...	1830	1.0	400	15.0	9.8
13...	1831	5.0	400	15.0	9.7
13...	1832	10	425	14.5	9.7
13...	1833	17	450	14.0	9.7
302421089300800 - CATAHOULA CREEK AT MI 0.10			024815748 (LAT 30 24 21 LONG 089 30 08)		
MAR.. 1974					
05...	1431	1.0	46	21.0	9.2
05...	1432	5.0	46	21.0	9.2
05...	2254	1.0	48	21.0	9.2
05...	2255	3.0	48	21.0	9.2
302416089294200 - JOURDAN RIVER AT MI 16.92			024816563 (LAT 30 24 16 LONG 089 29 42)		
MAR.. 1974					
05...	1425	3.0	46	20.5	9.4
302410089292100 - JOURDAN RIVER AT MI 16.30			024816565 (LAT 30 24 10 LONG 089 29 21)		
MAR.. 1974					
05...	1417	1.0	46	20.0	9.4
05...	1418	5.0	46	20.0	9.4
05...	2242	1.0	48	21.0	9.2
05...	2243	4.0	48	21.0	9.2
302400089291600 - JOURDAN RIVER AT MI 15.78			024816567 (LAT 30 24 00 LONG 089 29 16)		
MAR.. 1974					
05...	1413	1.0	46	20.0	9.2
05...	1414	5.0	46	20.0	9.2
302344089290100 - JOURDAN RIVER AT MI 15.20			024816569 (LAT 30 23 44 LONG 089 29 01)		
MAR.. 1974					
05...	1410	1.0	46	20.0	9.3
05...	1411	5.0	46	19.5	9.1
05...	1412	8.0	46	19.5	9.1
05...	2232	1.0	48	20.0	9.2
05...	2233	5.0	48	20.0	9.2
05...	2234	10	48	20.0	9.2
302341089283500 - JOURDAN RIVER AT MI 14.62			024816572 (LAT 30 23 41 LONG 089 28 35)		
MAR.. 1974					
05...	1405	1.0	58	20.5	9.4
05...	1406	5.0	56	20.0	9.4
05...	1407	8.0	56	20.0	9.4

ANALYSES OF SAMPLES COLLECTED DURING SHORT-TERM INTENSIVE STUDIES

RAY ST. LOUIS AREA---CONTINUED

DATE	TIME	DEPTH (FT)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
302338089281800 - JOURDAN RIVER AT MI 14.04			024816574 (LAT 30 23 38 LONG 089 28 18)		
MAR., 1974					
05...	1400	1.0	60	20.0	9.3
05...	1401	5.0	60	20.0	9.3
05...	1402	7.0	60	20.0	9.3
05...	2222	1.0	60	20.0	9.2
05...	2223	5.0	60	20.0	9.2
05...	2224	10	60	20.0	9.2
302326089280400 - JOURDAN RIVER AT MI 13.56			024816576 (LAT 30 23 26 LONG 089 28 04)		
MAR., 1974					
05...	1355	1.0	60	20.0	9.3
05...	1356	5.0	60	19.5	9.3
302310089274700 - JOURDAN RIVER AT MI 12.96			024816578 (LAT 30 23 10 LONG 089 27 47)		
MAR., 1974					
05...	1345	1.0	60	20.0	9.4
05...	1346	5.0	60	19.5	9.4
05...	1347	10	60	19.0	9.4
05...	1348	11	60	19.0	9.4
05...	2213	1.0	58	19.5	9.2
05...	2214	5.0	58	19.5	9.2
05...	2215	10	58	19.0	9.2
302321089272500 - JOURDAN RIVER AT MI 12.40			024816583 (LAT 30 23 21 LONG 089 27 25)		
MAR., 1974					
05...	1340	1.0	52	19.5	9.4
05...	1341	5.0	52	19.0	9.3
05...	1342	10	52	19.0	9.2
302319089270500 - JOURDAN RIVER AT MI 11.48			024816585 (LAT 30 23 19 LONG 089 27 05)		
MAR., 1974					
05...	1330	1.0	52	19.0	9.3
05...	1331	5.0	54	18.5	9.0
05...	1332	10	54	18.5	8.9
05...	2205	1.0	58	19.0	9.2
05...	2206	5.0	58	19.0	9.2
05...	2207	10	58	18.5	9.2
05...	2208	11	58	18.5	9.2
302310089264500 - JOURDAN RIVER AT MI 11.28			024816587 (LAT 30 23 10 LONG 089 26 45)		
MAR., 1974					
05...	1320	1.0	56	19.0	9.2
05...	1321	5.0	56	18.5	9.0
05...	1322	10	58	18.5	8.8
05...	1323	15	58	18.0	8.6
05...	1324	20	58	18.0	8.3
05...	1325	25	58	18.0	8.3
302320089262700 - JOURDAN RIVER AT MI 10.76			024816602 (LAT 30 23 20 LONG 089 26 27)		
MAR., 1974					
05...	1245	1.0	56	18.5	9.1
05...	1246	5.0	56	18.0	9.1
05...	1247	10	58	18.0	9.0
05...	1248	15	62	17.5	8.9
05...	2152	1.0	60	19.0	9.3
05...	2153	5.0	60	19.0	9.2
05...	2154	10	65	17.5	9.2
05...	2155	15	65	17.0	9.2
05...	2156	17	65	17.0	9.2
302330089261000 - JOURDAN RIVER AT MI 10.18			024816604 (LAT 30 23 30 LONG 089 26 10)		
MAR., 1974					
05...	1235	1.0	58	18.5	9.1
05...	1236	5.0	60	18.0	9.1
05...	1237	10	60	18.0	9.1
05...	1238	15	65	17.5	8.8
05...	1239	20	65	17.0	8.8

RAY ST. LOUIS AREA--CONTINUED

DATE	TIME	DEPTH (FT)	SPE- CIFIC CON- DUCT- ANCE (MICHOH- MHOS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
302338089254900 - JOURDAN RIVER AT MI 9.68			024816606 (LAT 30 23 38 LONG 089 25 49)		
MAR., 1974					
05...	1225	1.0	65	17.5	9.2
05...	1226	5.0	55	17.0	9.2
05...	1227	10	65	17.0	9.2
05...	1228	15	65	17.0	9.0
05...	2145	1.0	95	18.0	9.3
05...	2146	5.0	95	18.0	9.2
05...	2147	10	90	17.0	9.2
05...	2148	15	90	17.0	9.2
302354089252500 - JOURDAN RIVER AT MI 9.14			024816612 (LAT 30 23 54 LONG 089 25 25)		
MAR., 1974					
05...	1220	1.0	75	17.5	9.2
05...	1221	5.0	75	17.5	9.2
05...	1222	10	75	17.0	9.2
05...	1223	11	75	17.0	9.2
302349089250500 - JOURDAN RIVER AT MI 8.66			024816614 (LAT 30 23 49 LONG 089 25 05)		
MAR., 1974					
05...	1215	1.0	80	17.5	9.1
05...	1216	5.0	75	17.0	9.1
05...	1217	10	80	16.5	9.2
05...	1218	12	80	16.5	9.2
05...	2137	1.0	135	17.5	9.3
05...	2138	5.0	130	17.5	9.2
05...	2139	10	110	17.0	9.2
05...	2140	15	105	16.5	9.2
302346089243700 - JOURDAN RIVER AT MI 8.14			024816615 (LAT 30 23 46 LONG 089 24 37)		
MAR., 1974					
05...	1210	1.0	90	17.0	9.1
05...	1211	5.0	90	17.0	9.1
05...	1212	10	90	16.5	9.1
05...	1213	12	90	16.5	9.1
302330089242700 - JOURDAN RIVER AT MI 7.62			024816616 (LAT 30 23 30 LONG 089 24 27)		
MAR., 1974					
05...	1205	1.0	100	17.0	9.2
05...	1206	5.0	100	16.5	9.2
05...	1207	10	100	16.5	9.1
05...	1208	15	100	16.0	9.0
05...	2130	1.0	195	18.5	9.3
05...	2131	5.0	195	18.5	9.2
05...	2132	10	175	17.5	9.2
05...	2133	15	165	17.0	9.2
05...	2134	20	150	17.0	9.2
302342089241200 - JOURDAN RIVER AT MI 7.10			024816617 (LAT 30 23 42 LONG 089 24 12)		
MAR., 1974					
05...	1200	1.0	120	17.0	9.4
05...	1201	5.0	120	17.0	9.3
05...	1202	10	120	17.0	9.3
05...	1203	15	125	16.5	9.2
302324089240500 - JOURDAN RIVER AT MI 6.60			024816618 (LAT 30 23 24 LONG 089 24 05)		
MAR., 1974					
05...	1155	1.0	130	17.0	9.4
05...	1156	5.0	125	17.0	9.2
05...	1157	10	125	16.5	9.1
05...	2120	1.0	300	18.0	9.2
05...	2121	5.0	240	18.0	9.2
05...	2122	10	260	17.5	9.2
05...	2123	12	260	17.5	9.2
302258089241000 - JOURDAN RIVER AT MI 6.10			024816619 (LAT 30 22 58 LONG 089 24 10)		
MAR., 1974					
05...	1125	1.0	155	17.0	9.3
05...	1126	5.0	155	17.0	9.3
05...	1127	10	140	16.5	9.0
05...	1128	12	140	16.5	9.0

RAY ST. LOUIS AREA--CONTINUED

DATE	TIME	DEPTH (FT)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
02481663 - ROTTEN RAYOU NR FENTON, MS (LAT 30 25 09 LONG 089 20 40)					
MAR., 1974					
05...	1100	1.0	<40	16.5	9.4
05...	1101	5.0	<40	16.5	9.2
05...	2055	1.0	54	18.0	8.5
05...	2056	5.0	54	17.5	8.5
05...	2057	8.0	54	17.5	8.4
302456089205600 - ROTTEN RAYOU AT MI 7.12 024816632 (LAT 30 24 56 LONG 089 20 56)					
MAR., 1974					
05...	1050	1.0	<40	16.5	9.4
05...	1051	5.0	<40	16.5	9.2
302442089211600 - ROTTEN RAYOU AT MI 6.50 024816634 (LAT 30 24 42 LONG 089 21 16)					
MAR., 1974					
05...	1040	1.0	42	17.0	--
05...	1041	5.0	42	16.5	9.1
05...	2045	1.0	54	18.0	8.5
05...	2046	5.0	54	17.5	8.5
05...	2047	7.0	54	17.5	8.5
302443089214200 - ROTTEN RAYOU AT MI 5.92 024816636 (LAT 30 24 43 LONG 089 21 42)					
MAR., 1974					
05...	1034	1.0	50	16.5	9.1
05...	1035	5.0	52	16.5	9.0
05...	1036	10	58	16.0	8.7
05...	1037	15	60	16.0	8.2
05...	1038	16	60	16.0	8.2
302451089220700 - ROTTEN RAYOU AT MI 5.32 024816638 (LAT 30 24 51 LONG 089 22 07)					
MAR., 1974					
05...	1030	1.0	65	17.0	8.9
05...	1031	5.0	62	16.5	8.7
05...	1032	10	62	15.5	8.3
05...	2035	1.0	90	20.0	8.8
05...	2036	5.0	90	20.0	8.6
05...	2037	10	80	18.0	8.5
05...	2038	12	80	18.0	8.5
302451089222300 - ROTTEN RAYOU AT MI 4.80 024816648 (LAT 30 24 51 LONG 089 22 23)					
MAR., 1974					
05...	1027	1.0	82	18.0	9.1
05...	1028	5.0	72	17.0	8.7
05...	1029	10	75	16.0	8.2
302425089222600 - ROTTEN RAYOU AT MI 4.26 024816652 (LAT 30 24 25 LONG 089 22 26)					
MAR., 1974					
05...	1018	1.0	82	17.5	8.9
05...	1019	5.0	85	17.5	8.8
05...	1020	10	85	17.5	8.7
05...	1021	12	85	17.5	8.7
05...	2025	1.0	115	19.5	8.8
05...	2026	5.0	115	19.5	9.0
05...	2027	7.0	115	19.5	9.0
302407089224800 - ROTTEN RAYOU AT MI 3.72 024816653 (LAT 30 24 07 LONG 089 22 48)					
MAR., 1974					
05...	1015	1.0	85	18.0	8.9
05...	1016	5.0	85	17.5	8.7
302353089231100 - ROTTEN RAYOU AT MI 3.20 024816654 (LAT 30 23 53 LONG 089 23 11)					
MAR., 1974					
05...	1011	1.0	95	18.0	9.0
05...	1012	5.0	95	18.0	8.8
05...	1013	8.0	95	18.0	8.8
05...	2018	1.0	190	19.0	8.9
05...	2019	5.0	195	19.0	8.5
05...	2020	10	195	18.5	9.1
05...	2021	12	195	18.5	9.1

RAY ST. LOUIS AREA--CONTINUED

DATE	TIME	DEPTH (FT)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
302334089232600 - ROTTEN BAYOU AT MI 2.68			024816655 (LAT 30 23 34 LONG 089 23 26)		
MAR., 1974					
05...	1008	1.0	100	18.0	9.0
05...	1009	5.0	105	18.0	8.8
05...	1010	6.0	105	18.0	8.8
302316089232400 - ROTTEN BAYOU AT MI 2.20			024816656 (LAT 30 23 16 LONG 089 23 24)		
MAR., 1974					
05...	1005	1.0	195	18.0	8.8
05...	1006	5.0	200	18.0	8.8
05...	1007	8.0	200	17.0	8.8
05...	2010	1.0	180	20.0	8.9
05...	2011	5.0	195	18.5	8.5
05...	2012	10	185	18.0	9.0
05...	2013	11	185	18.0	9.0
302311089233000 - ROTTEN BAYOU AT MI 1.64			024816657 (LAT 30 23 11 LONG 089 23 30)		
MAR., 1974					
05...	1000	1.0	140	18.0	9.3
05...	1001	5.0	140	18.0	9.1
05...	1002	10	175	17.5	9.0
05...	1003	15	195	17.0	8.7
05...	1004	17	195	17.0	8.7
302258089235000 - ROTTEN BAYOU AT MI 1.10			024816658 (LAT 30 22 58 LONG 089 23 50)		
MAR., 1974					
05...	0955	1.0	175	18.0	9.1
05...	0956	5.0	180	17.5	8.8
05...	0957	7.0	180	17.5	8.8
05...	2005	1.0	210	18.0	8.9
05...	2006	5.0	200	17.5	8.5
05...	2007	10	200	17.5	9.1
302246089233600 - ROTTEN BAYOU AT MI 0.52			024816659 (LAT 30 22 46 LONG 089 23 36)		
MAR., 1974					
05...	0950	1.0	200	17.5	9.2
05...	0951	5.0	200	17.5	9.1
05...	0952	10	210	17.0	8.9
05...	0953	17	220	17.0	8.6
05...	0954	16	220	17.0	8.6
02481666 - ROTTEN BAYOU AT MOUTH NR KILN, MS (LAT 30 22 50 LONG 089 24 02)					
MAR., 1974					
05...	0945	1.0	200	17.0	9.0
05...	0946	5.0	200	17.0	8.8
05...	0947	10	210	17.0	8.8
05...	0948	15	200	17.0	8.7
05...	0949	18	200	17.0	8.7
05...	1955	1.0	375	18.0	9.3
05...	1956	5.0	380	18.0	9.2
05...	1957	10	380	18.0	8.5
05...	1958	15	375	18.0	9.2
05...	1959	17	375	18.0	9.2
302239089241500 - JOURDAN RIVER AT MI 5.58			024816663 (LAT 30 22 39 LONG 089 24 15)		
MAR., 1974					
05...	0940	1.0	175	16.5	9.3
05...	0941	5.0	170	16.5	9.2
05...	0942	10	165	16.5	9.1
05...	0943	15	165	16.0	8.8
05...	0944	16	165	16.0	8.8
05...	1950	1.0	450	18.5	9.0
05...	1951	5.0	450	18.5	8.9
05...	1952	10	450	18.5	8.8
05...	1953	12	450	18.5	8.8
302213089242000 - JOURDAN RIVER AT MI 5.08			024816666 (LAT 30 22 13 LONG 089 24 20)		
MAR., 1974					
05...	0930	1.0	230	17.5	9.5
05...	0931	5.0	200	17.0	9.3
05...	0932	10	195	16.5	9.2
05...	0933	15	195	16.5	8.7
05...	0934	17	195	16.5	8.7

DAY ST. LOUIS AREA.--CONTINUED

DATE	TIME	DEPTH (FT)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
02481667 - JOURDAN RIVER AT I-10 NR KILN, MS (LAT 30 21 54 LONG 089 24 05)					

FER.. 1974

13...	0905	1.0	58	12.0	9.5
13...	0906	5.0	58	12.0	9.5
13...	0907	10	58	12.0	9.5
13...	0908	15	58	12.0	9.5
13...	0909	20	58	12.0	9.4
13...	2300	1.0	45	12.0	9.1
13...	2301	5.0	40	12.0	9.1
13...	2302	10	40	12.0	9.1
13...	2303	14	40	12.0	9.0

MAR.

05...	0925	1.0	260	17.5	9.2
05...	0926	5.0	230	17.0	9.1
05...	0927	8.0	240	17.0	8.8
05...	1940	1.0	400	18.5	8.9
05...	1941	5.0	550	18.5	8.9
05...	1942	10	550	18.5	8.5
05...	1943	11	550	18.5	8.5

02481668 - CUTOFF BAYOU NR KILN, MS (LAT 30 21 38 LONG 089 23 51)

FER.. 1974

13...	0856	1.0	95	12.0	9.3
13...	0857	5.0	95	12.0	9.4
13...	0858	10	95	12.0	9.4
13...	0859	13	95	12.0	9.4
13...	2255	1.0	45	12.0	8.8
13...	2256	5.0	45	12.0	8.8
13...	2257	10	45	12.0	8.8

3021200A9241000 - JOURDAN RIVER AT MI 3.70

024816684 (LAT 30 21 20 LONG 089 24 10)

FER.. 1974

13...	0850	1.0	95	12.0	9.3
13...	0851	5.0	95	12.0	9.3
13...	0852	8.0	95	12.0	9.3
13...	2250	1.0	40	12.0	8.9
13...	2251	5.0	40	12.0	8.9
13...	2252	10	40	12.0	8.9

3020510A9241400 - JOURDAN RIVER AT MI 3.16

024816685 (LAT 30 20 51 LONG 089 24 14)

FER.. 1974

13...	0844	1.0	90	12.0	9.1
13...	0845	5.0	90	12.0	9.1
13...	0846	10	90	12.0	9.1
13...	0847	13	90	12.0	9.0
13...	2245	1.0	95	12.0	8.6
13...	2246	5.0	95	12.0	8.6
13...	2247	10	95	12.0	8.6

3020390A9241300 - BAYOU LA CROIX AT MOUTH

024816715 (LAT 30 20 39 LONG 089 24 13)

FER.. 1974

13...	0920	1.0	95	12.0	8.9
13...	0921	5.0	95	12.0	8.9
13...	0922	10	95	12.0	8.9
13...	0923	15	95	12.0	8.8
13...	2240	1.0	100	12.0	8.5
13...	2241	5.0	100	12.0	8.5
13...	2242	10	100	12.0	8.5
13...	2243	15	100	12.0	8.5
13...	2244	20	100	12.0	8.5
13...	2245	22	100	12.0	8.5

3020280A9240000 - JOURDAN RIVER AT MI 2.66

024816716 (LAT 30 20 28 LONG 089 24 00)

FER.. 1974

13...	0840	1.0	45	12.0	9.1
13...	0841	5.0	45	12.0	9.1
13...	0842	10	45	12.0	9.1
13...	0843	13	45	12.0	9.0
13...	2235	1.0	100	12.0	8.7
13...	2236	5.0	100	12.0	8.7
13...	2237	10	100	12.0	8.7
13...	2238	12	100	12.0	8.7

RAY ST. LOUIS AREA---CONTINUED

DATE	TIME	DEPTH (FT)	SPE- CIFIC CON- DUCT- ANCE (MICHO- MHOS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
30201008923600 - JOURDAN RIVER AT MI 2.14					
			024816717 (LAT 30 20 10 LONG 089 23 36)		
FER.. 1974					
13...	0834	1.0	100	12.0	9.0
13...	0835	5.0	95	12.0	9.0
13...	0836	10	95	12.0	9.0
13...	0837	15	95	12.0	9.0
13...	0838	20	95	12.0	9.0
13...	0839	28	95	12.0	8.9
13...	2225	1.0	105	13.0	8.7
13...	2226	5.0	105	12.0	8.6
13...	2227	10	105	12.0	8.5
13...	2228	14	110	12.0	8.5
302008089231000 - JOURDAN RIVER AT MI 1.66					
			024816718 (LAT 30 20 08 LONG 089 23 10)		
FER.. 1974					
13...	0830	1.0	105	12.0	9.0
13...	0831	5.0	105	12.0	9.0
13...	0832	10	100	12.0	9.0
13...	0833	15	100	12.0	8.8
13...	2220	1.0	100	13.0	8.6
13...	2221	5.0	100	13.0	8.6
13...	2222	10	110	13.0	8.6
13...	2223	15	110	13.0	8.5
302007089225100 - JOURDAN RIVER AT MI 1.36					
			024816719 (LAT 30 20 07 LONG 089 22 51)		
FER.. 1974					
13...	0825	1.0	110	12.0	8.9
13...	0826	5.0	110	12.0	8.9
13...	0827	10	110	12.0	8.9
13...	2215	1.0	100	12.0	8.6
13...	2216	5.0	100	12.0	8.6
13...	2217	10	100	12.0	8.5
13...	2218	12	100	12.0	8.5
02481672 - EDWARDS BAYOU AT ST HWY 603 NR WAVELAND, MS (LAT 30 18 42 LONG 089 23 06)					
FER.. 1974					
13...	1415	--	160	20.0	5.2
301933089230300 - EDWARDS BAYOU AT MI 0.68					
			024816721 (LAT 30 19 33 LONG 089 23 03)		
FER.. 1974					
13...	0413	1.0	330	12.0	7.1
13...	0415	5.0	330	12.0	7.1
13...	2210	1.0	280	13.0	6.7
13...	2211	5.0	280	13.0	6.7
301939089225900 - EDWARDS BAYOU AT MI 0.52					
			024816722 (LAT 30 19 39 LONG 089 22 59)		
FER.. 1974					
13...	0410	1.0	330	13.0	7.3
13...	0411	5.0	330	12.0	7.2
13...	2205	1.0	220	13.0	8.0
13...	2206	5.0	220	13.0	8.0
301946089224700 - EDWARDS BAYOU AT MI 0.28					
			024816723 (LAT 30 19 46 LONG 089 22 47)		
FER.. 1974					
13...	0405	1.0	300	13.0	7.7
13...	0406	5.0	300	13.0	7.7
13...	0408	6.0	300	13.0	7.7
13...	2200	1.0	140	15.0	8.3
13...	2201	5.0	140	15.0	8.1
13...	2202	8.0	140	14.0	8.0
02481673 - EDWARDS BAYOU AT MOUTH NR WAVELAND, MS (LAT 30 19 53 LONG 089 22 34)					
FER.. 1974					
13...	0401	1.0	240	13.0	7.8
13...	0402	5.0	240	13.0	7.8
13...	0403	6.0	240	13.0	7.8
13...	2155	1.0	140	15.0	8.1
13...	2156	5.0	150	14.0	8.1
13...	2157	7.0	170	13.0	7.9
301916089215300 - WATTS BAYOU AT GLAUSTONE STREET					
			024816735 (LAT 30 18 16 LONG 089 21 53)		
FER.. 1974					
13...	1630	1.0	400	19.0	11.8

HAY ST. LOUIS AREA--CONTINUED

DATE	TIME	DEPTH (FT)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
301914089222000 - WATTS BAYOU AT MI 0.72			024816736 (LAT 30 19 14 LONG 089 22 20)		
FER.. 1974					
13...	0750	1.0	400	12.5	4.5
13...	0751	3.0	400	12.5	4.5
13...	2150	1.0	340	15.5	5.3
13...	2151	5.0	400	15.0	5.3
301919089222400 - WATTS BAYOU AT MI 0.66			024816737 (LAT 30 19 19 LONG 089 22 24)		
FER.. 1974					
13...	0747	1.0	400	12.5	4.7
13...	0748	4.0	400	12.5	4.7
13...	2145	1.0	340	15.0	5.5
13...	2146	5.0	340	14.0	5.4
301926089222500 - WATTS BAYOU AT MI 0.54			024816738 (LAT 30 19 26 LONG 089 22 25)		
FER.. 1974					
13...	0745	1.0	370	12.5	5.6
13...	0746	5.0	370	12.5	5.5
13...	2140	1.0	240	15.0	7.2
13...	2141	5.0	200	15.0	7.2
301940089222300 - WATTS BAYOU AT MI 0.26			024816739 (LAT 30 19 40 LONG 089 22 23)		
FER.. 1974					
13...	0740	1.0	320	12.5	7.0
13...	0742	5.0	320	13.0	6.9
13...	2135	1.0	190	15.0	8.2
13...	2136	5.0	165	15.0	8.1
13...	2137	10	165	14.0	8.1
13...	2138	12	165	14.0	8.1
02481674 - WATTS BAYOU AT MOUTH NR WAVELEND, MS (LAT 30 19 53 LONG 089 22 28)					
FER.. 1974					
13...	0734	1.0	200	12.5	7.8
13...	0735	5.0	220	12.5	7.7
13...	2130	1.0	120	14.0	8.5
13...	2131	5.0	130	14.0	8.4
13...	2132	6.0	130	14.0	8.4
302015089222000 - JOURDAN RIVER AT MI 0.50			024816741 (LAT 30 20 15 LONG 089 22 00)		
FER.. 1974					
13...	0725	1.0	100	12.0	8.9
13...	0727	5.0	100	12.0	8.9
13...	0729	10	100	12.0	8.9
13...	0730	15	100	12.0	8.8
13...	0731	16	100	12.0	8.8
13...	2120	1.0	45	14.0	8.9
13...	2121	5.0	45	14.5	8.8
13...	2122	10	45	14.0	8.7
13...	2123	15	45	14.0	8.6
302024089213200 - JOURDAN RIVER AT MOUTH			024816742 (LAT 30 20 24 LONG 089 21 32)		
FER.. 1974					
13...	0720	1.0	45	12.0	9.0
13...	0721	5.0	45	12.0	9.0
13...	0722	6.0	45	12.0	9.0
13...	2115	1.0	115	14.5	8.9
13...	2116	5.0	115	14.5	8.9
13...	2117	10	115	14.5	8.9
13...	2118	20	120	14.0	8.7
02481675 - ST. LOUIS BAY AT HWY 90 AT BAY ST. LOUIS, MISS. (LAT 30 19 04 LONG 089 18 24)					
FER.. 1974					
13...	1000	1.0	115	13.0	9.9
13...	1010	5.0	115	13.0	9.9
13...	1011	10	115	13.0	9.5

BAY ST. LOUIS AREA--CONTINUED

DATE	TIME	AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)
302140089132400 - BAYOU PORTAGE AT MI 3.98					
024813101 (LAT 30 21 40 LONG 089 13 24)					
FER.. 1974					
13...	1109	.59	1.0	1.6	1.6
13...	2009	.75	.95	1.7	1.6
02481313 - BAYOU PORTAGE AT MI 1.20 NR CUEVAS, MS (LAT 30 20 31 LONG 089 14 42)					
FER.. 1974					
13...	1029	1.1	.90	2.0	2.4
13...	1929	.57	.93	1.5	2.6
02481320 - JOHNSON BAYOU AT MENGE AVE NR PASS CHRISTIAN, MS (LAT 30 20 15 LONG 089 13 05)					
FER.. 1974					
13...	1209	1.2	1.4	2.6	2.6
13...	1914	1.1	1.5	2.6	2.2
02481321 - JOHNSON BAYOU AT MOUTH NR PASS CHRISTIAN, MS (LAT 30 20 27 LONG 089 14 40)					
FER.. 1974					
13...	1129	.56	1.0	1.6	2.0
13...	1844	.76	.98	1.7	1.0
02481325 - BAYOU PORTAGE AT HENDERSON AVE NR DE LISLE, MS (LAT 30 20 32 LONG 089 15 52)					
FER.. 1974					
13...	1019	.44	1.0	1.4	1.2
13...	1829	.51	1.4	1.9	1.8
02481667 - JOURDAN RIVER AT I-10 NR KILN, MS (LAT 30 21 54 LONG 089 24 05)					
FER.. 1974					
13...	0904	.34	.78	1.1	1.2
13...	2259	.39	1.0	1.4	1.4
02481668 - CUTOFF BAYOU NR KILN, MS (LAT 30 21 38 LONG 089 23 51)					
FER.. 1974					
13...	0855	.29	.91	1.2	1.2
13...	2254	.76	.94	1.7	1.0
302007089225100 - JOURDAN RIVER AT MI 1.36					
024816719 (LAT 30 20 07 LONG 089 22 51)					
FER.. 1974					
13...	0824	.36	.44	1.2	.6
13...	2214	1.8	1.0	2.8	1.4
02481672 - EDWARDS BAYOU AT ST HWY 603 NR WAVELAND, MS (LAT 30 18 42 LONG 089 23 06)					
FER.. 1974					
13...	1815	.82	1.9	2.7	1.3
02481673 - EDWARDS BAYOU AT MOUTH NR WAVELAND, MS (LAT 30 19 53 LONG 089 22 34)					
FER.. 1974					
13...	0800	.49	1.0	1.5	2.4
13...	2154	.81	1.1	1.9	1.4
301816089215300 - WATTS BAYOU AT GLANDSTONE STREET					
024816735 (LAT 30 18 16 LONG 089 21 53)					
FER.. 1974					
13...	1630	.54	6.4	6.9	17
301914089222000 - WATTS BAYOU AT MI 0.72					
024816736 (LAT 30 19 14 LONG 089 22 20)					
FER.. 1974					
13...	2149	1.3	2.5	3.8	2.4
02481674 - WATTS BAYOU AT MOUTH NR WAVELAND, MS (LAT 30 19 53 LONG 089 22 28)					
FER.. 1974					
13...	0733	.50	1.1	1.6	2.4
13...	2129	1.4	2.6	4.0	2.0
302024089213200 - JOURDAN RIVER AT MOUTH					
024816742 (LAT 30 20 24 LONG 089 21 32)					
FER.. 1974					
13...	0715	.65	.45	1.5	1.6
13...	2114	2.4	2.0	4.4	2.4

ANALYSES OF SAMPLES COLLECTED DURING SHORT-TERM INTENSIVE STUDIES

MILL CREEK

An intensive study of the quality of water in mill creek, a small tributary to the Pearl River, was made October 1-4, 1974. Samples were collected at 3 sites in the Picayune area. Listed below are site locations and field and laboratory water quality determinations made during the study.

DATE	TIME	INSTANTANEOUS DIS- CHARGE (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG.C)	DIS- SOLVED OXYGEN (MG/L)
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02492506 - MILL CREEK AT UNION ROAD AT PICAYUNE, MISS. (LAT 30 31 23 LONG 089 42 20)

OCT.. 1974						
02...	0630	1.5	440	7.2	22.0	8.9
02...	0915	1.6	440	7.2	22.0	7.9
02...	1205	1.8	440	7.6	23.0	9.7
02...	1515	2.0	450	8.3	24.2	11.4
02...	1830	2.6	550	8.6	24.0	8.8
02...	1900	2.5	530	8.9	24.0	8.8
02...	2120	2.5	500	8.8	23.0	9.1
03...	0020	2.5	460	8.8	22.0	9.0
03...	0320	2.5	460	8.8	21.5	8.6

02492507 - MILL CREEK AT PICAYUNE, MISS. (LAT 30 30 35 LONG 089 42 20)

OCT.. 1974						
02...	0620	1.9	430	6.9	20.0	.2
02...	0900	1.9	430	6.9	19.5	.8
02...	1200	1.9	430	6.9	22.0	1.7
02...	1500	1.9	430	7.0	25.0	2.1
02...	1815	2.0	430	6.9	24.0	1.4
02...	2110	2.2	430	6.9	24.0	.6
03...	0010	2.2	430	7.1	20.5	.2
03...	0310	2.2	510	6.9	19.8	.1

MILL CREEK.--CONTINUED

DATE	TIME	INSTANTANEOUS DIS- CHARGE (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
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02492508 - MILL CREEK NEAR NICHOLSON, MISS. (LAT 30 29 36 LONG 089 42 41)

OCT.. 1974

01...	0505	2.1	--	--	19.5	1.8
01...	0700	2.1	--	--	19.5	1.8
01...	0800	2.1	--	--	19.0	1.8
01...	0900	2.2	--	--	19.0	1.9
01...	1000	2.2	--	--	19.0	2.0
01...	1100	2.2	--	--	19.0	2.1
01...	1155	2.2	--	--	19.0	2.2
01...	1255	2.2	--	--	19.0	2.5
01...	1355	2.2	--	--	19.5	2.8
01...	1500	2.2	--	--	20.0	2.9
01...	1600	2.2	--	--	20.0	3.0
01...	1700	2.1	--	--	20.5	2.9
01...	1800	2.1	--	--	21.0	2.8
01...	1900	2.1	--	--	21.0	2.7
01...	2000	2.1	--	--	21.0	2.7
01...	2100	2.1	--	--	21.0	2.5
01...	2150	2.1	--	--	21.5	2.3
01...	2300	2.1	--	--	21.0	2.2
01...	2350	2.1	--	--	21.0	2.1
02...	0100	2.1	--	--	20.5	2.0
02...	0200	2.1	--	--	20.5	1.9
02...	0300	2.1	--	--	20.0	1.8
02...	0400	2.1	--	--	20.0	1.8
02...	0450	2.1	--	--	19.9	1.7
02...	0600	2.1	420	7.1	19.5	1.7
02...	0650	2.2	--	--	19.5	1.7
02...	0755	2.2	--	--	19.0	1.8
02...	0855	2.2	420	7.1	19.0	1.9
02...	0955	2.2	--	--	19.0	2.0
02...	1100	2.2	--	--	19.0	2.3
02...	1150	2.2	420	7.1	19.0	2.5
02...	1300	2.2	--	--	19.5	2.9
02...	1355	2.2	--	--	19.5	3.3
02...	1455	2.2	420	7.1	20.0	3.6
02...	1555	2.2	--	--	20.0	3.8
02...	1700	2.2	--	--	20.1	3.9
02...	1800	2.1	420	7.1	20.5	3.8
02...	1900	2.1	--	--	20.5	3.6
02...	2000	2.1	--	--	20.5	3.5
02...	2100	2.1	420	7.1	20.5	3.4
02...	2200	2.1	--	--	20.5	3.1
02...	2255	2.1	--	--	20.2	2.9
02...	2400	2.1	420	7.1	20.0	2.6
03...	0100	2.1	--	--	19.8	2.4
03...	0200	2.2	--	--	19.2	2.3
03...	0300	2.2	420	7.1	19.2	2.2
03...	0400	2.2	--	--	18.8	2.1
03...	0500	2.2	--	--	18.6	2.0
03...	0600	2.2	--	--	18.5	2.0
03...	0700	2.3	--	--	18.0	2.0
03...	0805	2.3	--	--	17.5	2.0
03...	0900	2.3	--	--	17.5	2.0
03...	1000	2.3	--	--	17.5	2.0
03...	1100	2.3	--	--	17.0	2.2
03...	1155	2.3	--	--	17.0	2.5
03...	1300	2.3	--	--	17.5	2.8
03...	1355	2.3	--	--	18.0	3.2
03...	1455	2.3	--	--	18.0	3.4
03...	1555	2.3	--	--	18.5	3.6
03...	1655	2.2	--	--	18.5	3.7
03...	1755	2.2	--	--	19.0	3.7
03...	1900	2.2	--	--	19.0	3.6
03...	2000	2.2	--	--	18.5	3.4
03...	2100	2.2	--	--	18.5	3.3
03...	2130	2.2	--	--	18.5	3.2
03...	2200	2.2	--	--	18.5	3.0
03...	2300	2.2	--	--	18.0	2.8
03...	2400	2.2	--	--	18.0	2.6
04...	0100	2.2	--	--	17.5	2.4
04...	0200	2.2	--	--	17.5	2.3
04...	0300	2.2	--	--	17.0	2.2
04...	0400	2.2	--	--	17.0	2.2
04...	0500	2.2	--	--	16.5	2.2
04...	0600	2.2	--	--	16.5	2.2
04...	0800	2.2	--	--	16.0	2.3
04...	0910	2.2	--	--	16.0	2.3

ANALYSES OF SAMPLES COLLECTED DURING SHORT-TERM INTENSIVE STUDIES

MILL CREEK.--CONTINUED

DATE	TIME	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	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)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)
02492506 - MILL CREEK AT UNION ROAD AT PICAYUNE, MISS. (LAT 30 31 23 LONG 089 42 20)										
OCT.. 1974										
02...	1900	5.4	13	27	40	45	200	12	5.2	--
02-03	--	5.2	7.2	17	24	29	130	8.8	5.1	38
02492507 - MILL CREEK AT PICAYUNE, MISS. (LAT 30 30 35 LONG 089 42 20)										
OCT.. 1974										
02-03	--	3.3	5.4	2.3	1.7	11	49	5.2	5.5	9.6
02492508 - MILL CREEK NEAR NICHOLSON, MISS. (LAT 30 29 36 LONG 089 42 41)										
OCT.. 1974										
02-03	--	.34	3.4	1.1	4.5	4.8	21	4.6	4.7	6.6

CORINTH AREA

An intensive study of the quality of surface waters in the Corinth area was made August 19-22, 1975. Samples were collected at 9 sites on the Tuscumbia River, Bridge Creek, and their tributaries in the Corinth area. Listed below are site locations and field and laboratory water quality determinations made during the study.

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)
07029282 - TUSCUMBIA RIVER CANAL NR KOSSUTH, MS. (LAT 34 52 59 LONG 088 33 55)						
AUG., 1975						
20...	0700	55	68	6.6	23.0	7.1
20...	0935	52	75	6.8	23.5	7.3
20...	1245	50	70	6.8	25.0	7.8
20...	1545	47	75	6.9	26.0	7.7
20...	1915	52	72	7.1	25.5	7.9
20...	2225	49	66	7.0	24.5	7.7
21...	0130	47	68	6.9	24.0	7.0
21...	0415	45	75	7.1	24.0	7.0
21...	0725	45	73	7.1	23.0	7.0
07029285 - PHILLIPS CREEK AT CORINTH, MS. (LAT 34 55 50 LONG 088 29 41)						
AUG., 1975						
20...	0600	.18	220	6.8	23.1	6.0
20...	0930	.18	225	7.1	24.0	6.0
20...	1200	.18	230	7.1	26.3	8.4
20...	1540	.18	230	8.3	30.8	11.0
20...	1830	.18	200	8.0	30.5	7.8
20...	2100	.18	230	7.7	28.0	6.2
21...	0015	.18	240	7.2	26.5	5.2
21...	0300	.18	260	7.1	25.0	4.6
21...	0600	.18	290	7.0	24.0	4.4
07029288 - BRIDGE CREEK AT CORINTH, MS. (LAT 34 54 40 LONG 088 29 42)						
AUG., 1975						
20...	0615	2.1	100	6.8	23.6	6.5
20...	0905	2.3	110	7.0	23.3	6.9
20...	1220	2.3	110	6.4	23.8	6.8
20...	1555	2.3	102	7.0	25.8	8.3
20...	1845	2.3	90	6.8	27.0	7.8
20...	2115	2.3	95	6.9	26.0	7.1
21...	0030	2.3	97	6.8	26.0	7.2
21...	0315	2.3	98	6.8	25.0	6.5
21...	0615	2.3	105	6.8	24.0	6.0
07029290 - FLAM CREEK NR CORINTH, MS. (LAT 34 54 27 LONG 088 30 45)						
AUG., 1975						
20...	0635	1.4	600	7.1	23.4	4.3
20...	0955	1.5	600	7.1	24.0	5.5
20...	1245	1.5	600	7.6	30.0	10.0
20...	1610	1.6	560	8.3	30.8	10.2
20...	1900	1.6	500	8.0	29.5	5.7
20...	2130	1.6	500	7.5	26.5	3.9
21...	0045	1.6	550	7.2	26.0	3.4
21...	0330	1.6	550	7.2	24.5	3.4
21...	0630	1.6	600	7.1	24.0	4.0
07029291 - BRIDGE CREEK SOUTH OF CORINTH, MS. (LAT 34 53 48 LONG 088 31 25)						
AUG., 1975						
20...	0655	6.5	460	7.0	24.8	4.6
20...	0945	6.7	450	7.0	25.1	4.8
20...	1320	7.5	400	7.0	27.8	5.3
20...	1630	7.2	500	7.1	30.2	6.1
20...	1915	7.0	500	7.0	31.0	5.9
20...	2145	6.7	500	7.1	29.5	4.6
21...	0100	6.8	475	7.1	28.0	4.4
21...	0345	6.8	500	7.1	26.5	4.1
21...	0645	6.8	500	7.1	25.0	4.0

ANALYSES OF SAMPLES COLLECTED DURING SHORT-TERM INTENSIVE STUDIES

CORINTH AREA.--CONTINUED

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)
07029292 - BRIDGE CREEK NR CORINTH, MS. (LAT 34 53 32 LONG 088 33 01)						
AUG., 1975						
19...	0655	11	400	6.7	24.0	4.4
19...	0800	11	--	--	24.0	3.9
19...	0900	11	--	--	24.0	4.0
19...	0930	11	400	6.7	24.0	4.1
19...	1000	11	--	--	24.5	4.1
19...	1100	11	--	--	25.0	4.2
19...	1200	12	400	6.7	25.0	4.3
19...	1300	12	--	--	25.6	4.3
19...	1400	12	--	--	26.0	4.3
19...	1500	12	400	6.7	26.4	4.2
19...	1600	12	--	--	26.6	4.2
19...	1700	11	--	--	27.0	4.1
19...	1800	11	--	--	27.0	4.1
19...	1815	11	400	6.7	27.0	4.1
19...	1900	11	--	--	27.2	3.9
19...	2000	11	--	--	27.5	3.7
19...	2100	11	--	--	27.8	3.7
19...	2130	11	400	6.7	27.5	3.7
19...	2200	11	--	--	28.0	3.7
19...	2300	11	--	--	28.2	3.6
19...	2355	11	450	6.6	27.5	3.7
19...	2400	11	--	--	28.0	3.6
20...	0100	11	--	--	28.0	3.5
20...	0200	10	--	--	27.8	3.4
20...	0300	10	--	--	27.6	3.4
20...	0330	10	450	6.8	27.0	3.4
20...	0400	9.9	--	--	27.4	3.4
20...	0500	9.6	--	--	27.2	3.4
20...	0600	9.3	--	--	26.8	3.4
20...	0630	9.2	450	6.8	26.0	3.4
20...	0700	9.1	--	--	26.4	3.4
20...	0800	9.0	--	--	26.2	3.5
20...	0900	8.9	--	--	26.0	3.6
20...	0915	8.9	525	7.0	25.0	3.7
20...	1000	9.3	--	--	26.0	3.8
20...	1100	9.7	--	--	26.0	4.0
20...	1200	10	--	--	26.0	4.2
20...	1230	10	550	7.0	25.4	4.3
20...	1300	10	--	--	26.4	4.3
20...	1400	10	--	--	26.8	4.4
20...	1500	11	--	--	27.2	4.5
20...	1540	11	500	7.1	28.0	4.5
20...	1600	11	--	--	27.8	4.5
20...	1700	10	--	--	28.0	4.4
20...	1800	9.7	--	--	28.0	4.3
20...	1900	9.4	--	--	28.0	4.2
20...	1910	9.4	550	6.9	27.0	4.2
20...	2000	9.3	--	--	28.0	4.0
20...	2100	9.2	--	--	28.2	3.7
20...	2200	9.1	--	--	28.4	3.4
20...	2210	9.1	500	6.8	27.5	3.4
20...	2300	9.0	--	--	28.5	3.4
20...	2400	8.9	--	--	28.5	3.3
21...	0100	8.8	--	--	28.4	3.3
21...	0110	8.8	550	6.9	27.0	3.3
21...	0200	8.6	--	--	28.2	3.2
21...	0300	8.5	--	--	28.0	3.0
21...	0400	8.3	550	6.8	26.5	2.8
21...	0500	8.1	--	--	27.8	2.8
21...	0600	8.0	--	--	27.6	2.9
21...	0700	7.9	--	--	27.4	3.0
21...	0710	7.9	550	6.8	26.0	3.0
21...	0800	7.9	--	--	27.2	3.2
21...	0900	7.8	--	--	27.0	3.4
21...	0920	7.8	600	7.0	25.8	3.5
21...	1000	8.2	--	--	26.8	3.6
21...	1100	8.6	--	--	26.8	3.8
21...	1200	9.1	--	--	27.0	4.1
21...	1210	9.1	600	7.0	26.2	4.1
21...	1300	9.2	--	--	27.0	4.3
21...	1400	9.4	--	--	27.0	4.4
21...	1500	9.5	550	6.8	27.0	4.5
21...	1600	9.5	--	--	28.0	4.6
21...	1700	9.5	--	--	28.0	4.5
21...	1800	9.4	--	--	28.2	4.3
21...	1815	9.4	550	6.6	28.0	4.2
21...	1900	9.4	--	--	28.4	4.1
21...	2000	9.4	--	--	28.4	3.8
21...	2100	9.5	--	--	28.6	3.5
21...	2130	9.5	500	7.0	28.6	3.2
21...	2200	9.5	--	--	28.8	3.2
21...	2300	9.5	--	--	28.8	3.0
21...	2355	9.5	550	7.0	27.0	2.8
21...	2400	9.5	--	--	28.8	2.8
22...	0100	9.5	--	--	28.6	2.7
22...	0200	9.5	--	--	28.4	2.7
22...	0300	9.5	--	--	28.2	2.6
22...	0400	9.5	--	--	28.0	2.6
22...	0500	9.5	--	--	28.0	2.5

CORINTH AREA.--CONTINUED

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)
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07029293 - BRIDGE CREEK TRIP NR CORINTH, MS. (LAT 34 53 39 LONG 089 33 15)

AUG., 1975

20...	0650	.16	145	6.5	24.0	1.8
20...	0910	.17	148	6.6	25.0	2.1
20...	1215	.17	150	6.6	26.0	2.9
20...	1530	.17	155	6.7	27.0	2.6
20...	1900	.16	150	6.6	27.0	3.8
20...	2200	.16	150	6.4	26.0	2.0
21...	0050	.17	150	6.3	25.5	2.2
21...	0350	.17	150	6.5	25.0	2.1
21...	0655	.17	150	6.3	25.0	1.8

07029295 - TUSCOMBIA RIVER CANAL AT HWY 2 NR CORINTH, MS. (LAT 34 55 11 LONG 089 35 12)

AUG., 1975

19...	0630	115	100	6.6	23.0	6.7
19...	0800	108	95	--	23.0	7.0
19...	0845	105	100	6.6	23.2	7.1
19...	0900	105	100	--	23.2	7.1
19...	1000	98	100	--	23.4	7.1
19...	1100	94	100	--	24.0	7.1
19...	1130	88	105	6.6	24.0	7.1
19...	1200	86	105	--	24.0	7.1
19...	1300	84	110	--	24.6	7.1
19...	1400	82	115	--	24.8	6.8
19...	1500	80	115	--	25.1	6.6
19...	1530	77	120	6.3	25.5	6.5
19...	1600	76	120	--	25.5	6.5
19...	1700	73	120	--	25.5	6.4
19...	1800	71	120	6.5	25.0	6.3
19...	1900	72	120	--	25.5	6.3
19...	2000	75	115	--	25.6	6.3
19...	2100	77	115	6.7	25.5	6.3
19...	2200	80	110	--	25.4	6.5
19...	2300	81	110	--	25.2	6.7
19...	2345	82	105	6.3	25.0	6.9
19...	2400	82	110	--	25.0	6.9
20...	0100	79	110	--	24.9	6.7
20...	0200	76	110	--	24.6	6.6
20...	0300	70	110	6.4	24.0	6.5
20...	0400	68	120	--	24.0	6.4
20...	0500	65	120	--	24.0	6.3
20...	0600	62	120	6.4	24.0	6.2
20...	0700	63	130	--	24.0	6.3
20...	0800	66	130	--	24.0	6.6
20...	0845	68	125	6.7	23.5	6.9
20...	0900	68	125	--	24.0	7.0
20...	1000	67	120	--	24.2	7.2
20...	1100	66	120	--	24.5	7.3
20...	1200	62	135	6.8	24.0	7.4
20...	1300	61	125	--	25.2	7.3
20...	1400	60	125	--	25.8	7.2
20...	1500	58	120	6.9	26.0	7.1
20...	1600	57	125	--	26.3	7.0
20...	1700	56	135	--	26.3	6.9
20...	1800	55	140	--	26.3	6.8
20...	1930	55	140	6.8	26.5	6.8
20...	1900	55	140	--	26.4	6.7
20...	2000	58	145	--	26.2	6.8
20...	2100	61	140	--	26.0	6.9
20...	2135	62	130	6.7	25.5	7.0
20...	2200	61	140	--	25.8	7.0
20...	2300	59	140	--	25.6	6.9
20...	2400	58	140	--	25.4	6.9
21...	0020	57	130	6.5	25.0	6.5
21...	0100	56	130	--	25.2	6.9
21...	0200	55	130	--	25.0	7.0
21...	0300	54	130	--	24.8	7.1
21...	0325	54	127	6.6	24.0	7.1
21...	0400	54	130	--	24.6	7.1
21...	0500	53	130	--	24.5	7.0
21...	0600	51	135	--	24.4	6.8
21...	0625	51	135	6.6	23.5	6.5
21...	0700	50	140	--	24.2	6.7
21...	0800	49	140	--	24.2	6.8
21...	0900	48	145	6.6	23.8	6.9
21...	1000	48	145	--	24.4	6.8
21...	1100	47	145	--	24.8	6.9
21...	1145	47	145	6.7	24.8	6.8
21...	1200	47	135	--	25.0	6.8
21...	1300	47	135	--	25.6	6.8
21...	1400	47	135	--	26.0	6.8
21...	1445	47	145	6.6	26.2	6.8
21...	1500	47	145	--	26.2	6.8
21...	1600	47	145	--	26.8	6.8
21...	1700	47	145	--	26.9	6.6
21...	1745	46	150	6.4	27.0	6.3
21...	1800	47	150	--	26.9	6.3
21...	1900	47	155	--	26.8	6.3

CORINTH AREA.--CONTINUED

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	SPECIFIC CONDUCTANCE (MICRO-MHOS)	PH (UNITS)	TEMPERATURE (DEG C)	DISSOLVED OXYGEN (MG/L)
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07029296 - TUSCUMBIA RIVER CANAL AT HWY 2 NR CORINTH, MS.--CONTINUED

AUG., 1975

21...	2000	47	155	--	26.5	6.2
21...	2100	47	165	6.8	26.0	6.2
21...	2200	47	160	--	26.0	6.2
21...	2300	47	160	--	26.0	6.1
21...	2345	47	165	6.7	26.0	5.9
21...	2400	47	160	--	25.8	5.9
22...	0100	47	160	--	25.5	5.9
22...	0200	47	160	--	25.2	5.9
22...	0300	47	160	--	25.0	5.8
22...	0400	47	160	--	24.8	5.8
22...	0500	47	160	--	24.6	5.6
22...	0600	47	160	--	24.4	5.4

07029310 - TUSCUMBIA RIVER CANAL AT SMITH BR NR CORINTH, MS (LAT 34 56 46 LONG 088 36 42)

AUG., 1975

20...	0615	69	110	6.4	24.0	6.1
20...	0830	67	120	6.7	23.7	6.9
20...	1130	68	140	6.9	24.5	7.3
20...	1445	66	130	6.9	26.0	7.2
20...	1800	64	120	6.5	26.5	6.5
20...	2110	66	140	6.6	26.0	6.8
20...	2400	66	135	6.6	25.5	6.6
21...	0305	65	132	6.5	25.0	6.3
21...	0600	63	126	6.5	24.0	6.5

CORINTH AREA.--CONTINUED

DATE	TIME	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL- GEN (N) (MG/L)
07029282 - TUSCUMPIA RIVER CANAL NR KOSSUTH, MS. (LAT 34 52 59 LONG 088 33 55)							
AUG., 1975							
20...	1245	.23	.03	.26	.10	.56	.66
20...	1915	.31	.01	.32	.07	.42	.49
21...	0130	.23	.04	.27	.11	.51	.62
21...	0725	.27	.01	.28	.09	.40	.49
07029286 - PHILLIPS CREEK AT CORINTH, MS. (LAT 34 55 50 LONG 088 29 41)							
AUG., 1975							
20...	1200	.00	.00	.00	.04	.59	.63
20...	1830	.00	.00	.00	.04	.84	.88
21...	0015	.00	.00	.00	.04	.63	.67
21...	0600	.00	.00	.00	.05	.53	.58
07029288 - BRIDGE CREEK AT CORINTH, MS. (LAT 34 54 40 LONG 088 29 42)							
AUG., 1975							
20...	1220	.12	.01	.13	.07	.34	.41
20...	1845	.10	.01	.11	.06	.37	.43
21...	0030	.11	.01	.12	.12	.42	.54
21...	0615	.12	.01	.13	.11	.42	.53
07029290 - ELAM CREEK NR CORINTH, MS. (LAT 34 54 27 LONG 088 30 45)							
AUG., 1975							
20...	1245	.05	.08	.13	.51	2.4	2.9
20...	1900	.02	.06	.08	.07	2.1	2.2
21...	0045	.02	.05	.07	.53	1.5	2.0
21...	0630	.02	.06	.08	.76	1.1	1.9
DATE		TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL ORTHOPHOS- PHORUS (P) (MG/L)	410- CHEM- ICAL PHOS- OXYGEN DEMAND (MG/L)	FECAL COLI- FORM (COL. PER 100 ML)	STREP- TOCOCCI (COL- ONIES PER 100 ML)
07029282 - TUSCUMPIA RIVER CANAL NR KOSSUTH, MS. (LAT 34 52 59 LONG 088 33 55)							
AUG., 1975							
20...		.92	4.1	.22	.07	1.2	862
20...		.81	3.6	.14	.06	1.3	440
21...		.89	3.9	.28	.10	1.5	2467
21...		.77	3.4	.19	.08	1.3	480
07029286 - PHILLIPS CREEK AT CORINTH, MS. (LAT 34 55 50 LONG 088 29 41)							
AUG., 1975							
20...		.63	2.8	.23	.14	3.1	812
20...		.80	3.9	.26	.16	2.9	500
21...		.67	3.0	.24	.14	2.7	8460
21...		.58	2.6	.23	.13	2.8	8322
07029288 - BRIDGE CREEK AT CORINTH, MS. (LAT 34 54 40 LONG 088 29 42)							
AUG., 1975							
20...		.54	2.4	.11	.06	1.4	400
20...		.54	2.4	.10	.06	1.1	9155
21...		.66	2.9	.11	.06	1.1	2100
21...		.66	2.9	.12	.06	1.1	720
07029290 - ELAM CREEK NR CORINTH, MS. (LAT 34 54 27 LONG 088 30 45)							
AUG., 1975							
20...		2.0	13	.74	.41	3.7	4875
20...		2.3	10	.60	.30	7.7	1000
21...		2.1	7.2	.54	.29	7.2	1000
21...		2.0	7.8	.49	.29	6.5	1050

CORINTH AREA.--CONTINUED

DATE	TIME	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)
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07029291 - BRIDGE CREEK SOUTH OF CORINTH, MS. (LAT 34 53 48 LONG 088 31 25)

AUG.. 1975

20...	1320	.12	.14	.26	3.2	.90	4.1
20...	1915	.12	.17	.29	5.1	.60	5.7
21...	0100	.10	.19	.29	5.0	.60	5.6
21...	0645	.08	.17	.25	5.5	.70	6.2

07029292 - BRIDGE CREEK NR CORINTH, MS. (LAT 34 53 32 LONG 088 33 01)

AUG.. 1975

19...	1200	.25	.22	.47	2.1	.90	3.0
19...	1915	.27	.23	.50	1.6	.60	2.2
19...	2355	.37	.41	.78	3.6	.80	4.4
20...	0630	.27	.29	.56	2.9	.90	3.8
20...	1230	.31	.32	.63	3.2	.80	4.0
20...	1910	.30	.31	.61	2.5	.70	3.2
21...	0110	.35	.38	.73	3.3	.90	4.2
21...	0710	.32	.37	.69	3.5	.80	4.3
21...	1210	.33	.35	.68	3.6	1.0	4.6
21...	1815	.51	.37	.88	2.7	.80	3.5
21...	2355	.28	.30	.58	2.6	.70	3.3

07029293 - BRIDGE CREEK TRIA NR CORINTH, MS. (LAT 34 53 39 LONG 088 33 15)

AUG.. 1975

20...	1215	.08	.02	.10	.11	.80	.91
20...	1900	.05	.01	.06	.06	.71	.77
21...	0050	.05	.01	.06	.09	1.0	1.1
21...	0655	.05	.01	.06	.10	.79	.89

DATE	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL ORTHOPHOS- PHORUS (P) (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)
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07029291 - BRIDGE CREEK SOUTH OF CORINTH, MS. (LAT 34 53 48 LONG 088 31 25)

AUG.. 1975

20...	4.4	19	1.6	1.5	4.3	866	815
20...	6.0	27	1.5	1.4	3.4	813	814
21...	5.9	26	1.9	1.8	7.0	8214	8288
21...	6.5	29	3.2	3.0	6.9	8259	8533

07029292 - BRIDGE CREEK NR CORINTH, MS. (LAT 34 53 32 LONG 088 33 01)

AUG.. 1975

19...	3.5	15	1.1	.84	4.1	83250	815
19...	2.7	12	.88	.71	4.5	22000	1767
19...	5.2	23	1.8	1.5	4.9	6400	1100
20...	4.4	19	1.2	1.0	5.3	20000	2500
20...	4.6	21	1.5	1.3	5.7	818200	800
20...	3.8	17	1.7	1.5	7.0	30000	2600
21...	4.9	22	1.5	1.3	6.1	11000	1233
21...	5.0	22	1.5	1.3	5.6	10800	1866
21...	5.3	23	2.1	2.0	7.7	3666	1100
21...	4.4	19	3.1	2.9	7.0	8400	1566
21...	3.9	17	1.1	.94	6.4	<1	9380

07029293 - BRIDGE CREEK TRIA NR CORINTH, MS. (LAT 34 53 39 LONG 088 33 15)

AUG.. 1975

20...	1.0	4.5	.13	.06	3.0	980	2900
20...	.83	3.7	.09	.03	2.8	233	2800
21...	1.2	5.1	.09	.01	2.7	8244	2133
21...	.95	4.2	.09	.01	2.2	8400	3300

CORINTH AREA.--CONTINUED

DATE	TIME	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)
07029296 - TUSCUMBIA RIVER CANAL AT HWY 2 NR CORINTH, MS. (LAT 34 55 11 LONG 088 35 12)							
AUG., 1975							
19...	1130	.21	.04	.25	.24	.49	.73
19...	1400	.27	.04	.31	.26	.47	.73
19...	2345	.27	.03	.30	.15	.49	.64
20...	0600	.27	.07	.34	.32	.78	1.1
20...	1200	.36	.04	.40	.29	.51	.80
20...	1430	.42	.07	.49	.40	.52	.92
21...	0020	.39	.06	.45	.31	.45	.76
21...	0625	.38	.07	.45	.33	.54	.87
21...	1145	.41	.06	.47	.37	.47	.84
21...	1745	.47	.07	.54	.41	.39	.80
21...	2345	.50	.08	.58	.44	.48	.92

07029310 - TUSCUMBIA RIVER CANAL AT SMITH BR NR CORINTH, MS (LAT 34 56 46 LONG 088 36 42)

AUG., 1975							
20...	1130	.36	.06	.42	.30	.50	.80
20...	1400	.39	.05	.44	.27	.54	.81
20...	2400	.44	.07	.51	.31	.58	.89
21...	0500	.39	.06	.45	.28	.34	.62

DATE	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL ORTHOPHOS- PHORUS (P) (MG/L)	HIO- CHEM- ICAL OXYGEN DEMAND (MG/L)	FECAL COLI- FORM (COL. PER 100 ML)	STREP- TOCOCCI (COL- ONIES PER 100 ML)
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07029296 - TUSCUMBIA RIVER CANAL AT HWY 2 NR CORINTH, MS. (LAT 34 55 11 LONG 088 35 12)

AUG., 1975							
19...	.98	4.3	.24	.13	2.0	82050	4500
19...	1.0	4.6	.24	.15	2.0	900	3300
19...	.94	4.2	.21	.13	1.4	1225	82050
20...	1.4	5.4	.37	.19	1.7	81740	2100
20...	1.2	5.3	.26	.14	2.0	81166	1700
20...	1.4	5.2	.31	.20	2.1	1400	1460
21...	1.2	5.4	.32	.24	1.6	86800	1380
21...	1.3	5.8	.36	.23	2.0	83200	1466
21...	1.3	5.8	.30	.20	2.1	6000	1160
21...	1.3	5.9	.34	.27	1.2	9200	892
21...	1.5	5.6	.57	.46	2.8	<1	660

07029310 - TUSCUMBIA RIVER CANAL AT SMITH BR NR CORINTH, MS (LAT 34 56 46 LONG 088 36 42)

AUG., 1975							
20...	1.2	5.4	.29	.15	1.8	1100	1460
20...	1.3	5.5	.26	.15	1.9	711	1533
20...	1.4	5.2	.29	.19	1.8	82100	1500
21...	1.1	4.7	.31	.22	1.6	2900	1716

TILLATOBA BASIN

An intensive study of the quality of surface waters in the Tillatoba Creek basin was made April 21-23, 1975, and June 1-3, 1975. Samples were collected at 11 sites on Tillatoba Creek and its tributaries in the Charleston area. Listed below are site locations and field and laboratory determinations of water quality made during the study.

DATE	TIME	INSTANTANEOUS DIS- CHARGE (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
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072B0250 - TILLATOBA CREEK SOUTHEAST OF OAKLAND, MISS. (LAT 34 01 35 LONG 089 51 54)

APR., 1975						
22...	0930	8.8	70	6.4	16.0	9.6
JUNE						
03...	1230	4.6	75	6.6	25.0	8.9

072B0254 - TILLATOBA CREEK NEAR TILLATOBA, MISS. (LAT 34 01 04 LONG 089 55 00)

APR., 1975						
22...	1030	14	83	6.5	16.0	9.5
JUNE						
03...	1100	8.4	93	6.7	23.5	8.0

TILLATORA BASIN.--CONTINUED

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)
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07280270 - TILLATORA CREEK BELOW OAKLAND, MISS. (LAT 33 59 40 LONG 089 57 12)

APR., 1975

21...	1400	22	77	--	19.0	9.5
21...	1500	22	77	--	19.0	9.5
21...	1600	22	77	--	19.0	9.4
21...	1700	22	77	--	19.0	9.2
21...	1800	21	77	--	19.0	9.0
21...	1900	21	77	--	18.5	8.8
21...	2000	22	78	--	18.5	8.6
21...	2100	21	78	--	18.0	8.4
21...	2200	21	78	--	18.0	8.4
21...	2300	20	78	--	18.0	8.4
21...	2400	20	78	--	18.0	8.3
22...	0100	20	78	--	17.5	8.2
22...	0200	20	78	--	17.5	8.2
22...	0300	20	78	--	17.5	8.2
22...	0400	20	78	--	17.0	8.2
22...	0500	19	79	--	17.0	8.4
22...	0600	19	80	--	16.5	8.4
22...	0700	19	80	--	16.0	8.6
22...	0800	19	80	--	16.0	8.8
22...	0900	19	80	--	16.5	8.8
22...	1000	19	80	--	17.0	9.0
22...	1100	19	80	6.6	18.0	9.2
22...	1200	19	80	--	18.5	9.3
22...	1300	20	80	--	19.0	9.4
22...	1400	20	80	--	20.0	9.4
22...	1500	20	80	--	21.0	9.3
22...	1600	20	80	--	21.0	9.2
22...	1700	20	80	--	20.5	9.0
22...	1800	20	80	--	20.0	8.8
22...	1900	20	80	--	19.5	8.6

JUNE

02...	1600	12	85	--	--	--
02...	1700	12	85	--	--	--
02...	1800	12	85	--	--	--
02...	1900	12	85	--	--	--
02...	2000	11	85	--	--	--
02...	2100	11	85	--	--	--
02...	2200	11	85	--	--	--
02...	2300	11	85	--	--	--
02...	2400	11	85	--	--	--
03...	0100	10	86	--	--	--
03...	0200	11	86	--	--	--
03...	0300	10	86	--	--	--
03...	0400	10	86	--	--	--
03...	0500	10	86	--	--	--
03...	0600	10	87	--	--	--
03...	0700	10	88	--	--	--
03...	0800	10	90	--	--	--
03...	0900	10	91	6.5	22.0	7.1
03...	1000	10	92	--	--	--
03...	1100	10	92	--	--	--
03...	1200	10	92	--	--	--
03...	1300	10	93	--	--	--
03...	1400	10	93	--	--	--
03...	1500	10	93	--	--	--
03...	1600	10	94	--	--	--
03...	1700	10	94	--	--	--
03...	1800	10	95	--	--	--
03...	1900	10	95	--	--	--
03...	2000	10	95	--	--	--
03...	2100	10	95	--	--	--
03...	2200	10	95	--	--	--
03...	2300	9.0	95	--	--	--
03...	2400	9.0	95	--	--	--
04...	0100	9.0	95	--	--	--
04...	0200	10	95	--	--	--
04...	0300	9.0	95	--	--	--
04...	0400	9.0	95	--	--	--
04...	0500	10	95	--	--	--
04...	0600	10	95	--	--	--
04...	0700	10	95	--	--	--
04...	0800	10	95	--	--	--
04...	0900	10	96	--	--	--
04...	1000	9.0	96	--	--	--

ANALYSES OF SAMPLES COLLECTED DURING SHORT-TERM INTENSIVE STUDIES

TILLATOBA BASIN.--CONTINUED

DATE	TIME	INSTANTANEOUS DIS- CHARGE (CFS)	SUS- PENDE SEDIM- ENT (MG/L)	SUS- PENDE SEDIM- ENT CHARGE (T/DAY)
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07280270 - TILLATOBA CREEK BELOW OAKLAND, MISS. (LAT 33 59 40 LONG 089 57 12)

AUG., 1975

01...	1030	60	1540	249
01...	1110	85	1560	358
01...	1130	129	1135	395
01...	1145	174	966	454
01...	1200	238	1104	709
01...	1225	318	3569	3060
01...	1240	394	4058	4320
01...	1300	438	3248	3840
01...	1320	480	2620	3400
01...	1445	480	3690	4780

TILLATOBA BASIN.--CONTINUED

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)
07280275 - DAVIS CREEK NEAR SCODEY, MISS. (LAT 33 56 00 LONG 089 52 48)						
APR., 1975						
22...	0940	.91	70	5.7	15.0	9.1
JUNE						
03...	0800	.50	75	6.5	20.0	6.3
07280280 - DAVIS CREEK NEAR TILLATOBA, MISS. (LAT 33 55 26 LONG 089 55 12)						
APR., 1975						
22...	1015	4.4	66	5.8	14.7	10.0
JUNE						
03...	1500	2.7	75	6.6	23.0	8.0
07280285 - SOUTH FORK TILLATOBA CREEK SW OF TILLATOBA, MISS (LAT 33 55 55 LONG 089 56 40)						
APR., 1975						
22...	1120	5.5	70	6.1	16.0	10.8
JUNE						
03...	1430	4.6	83	6.6	25.0	7.6
07280290 - SIMMONS CREEK NEAR TILLATOBA, MISS. (LAT 33 58 30 LONG 089 51 54)						
APR., 1975						
22...	0835	5.3	67	6.0	15.5	9.4
JUNE						
03...	1130	1.7	75	6.8	25.0	9.1
07280295 - SIMMONS CREEK AT TILLATOBA, MISS. (LAT 33 58 05 LONG 089 54 09)						
APR., 1975						
22...	0915	8.1	77	6.1	16.0	9.3
JUNE						
03...	1530	2.9	97	6.6	27.0	7.5
07280330 - SOUTH FORK TILLATOBA CREEK NEAR TILLATOBA, MISS. (LAT 33 57 35 LONG 089 57 36)						
APR., 1975						
22...	1310	15	72	6.2	19.0	9.3
JUNE						
03...	1400	11	90	6.4	26.0	7.3
07280365 - TILLATOBA CREEK NR CHARLESTON, MISS. (LAT 33 59 22 LONG 089 59 38)						
APR., 1975						
22...	1230	51	90	6.6	21.0	9.4
JUNE						
03...	0945	31	93	6.8	22.5	7.9
07280400 - TILLATOBA CREEK AT CHARLESTON, MISS. (LAT 33 59 59 LONG 090 03 55)						
APR., 1975						
22...	1430	61	105	6.3	21.0	8.3
JUNE						
03...	1030	41	120	6.6	24.5	6.8

TILLATOBA BASIN--CONTINUED

DATE	TIME	TOTAL NITRATE DILUS (N) (MG/L)	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)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	FECAI COLI- FORM (COL. PER 100 ML)
072R0250 - TILLATOBA CREEK SOUTHEAST OF OAKLAND, MISS. (LAT 34 01 35 LONG 089 51 54)												
APR., 1975												
22...	0930	.01	.00	.17	.17	.18	.80	.03	.00	55	20	500
JUN F												
03...	1230	.06	.01	.38	.39	.45	2.0	.05	.01	65	20	2200
072R0264 - TILLATOBA CREEK NEAR TILLATOBA, MISS. (LAT 34 01 04 LONG 089 55 00)												
APR., 1975												
22...	1030	.05	.01	.23	.24	.29	1.3	.04	.02	55	15	500
JUN F												
03...	1100	.13	.03	.27	.30	.43	1.9	.06	.02	55	15	4000
072R0270 - TILLATOBA CREEK BELOW OAKLAND, MISS. (LAT 33 59 40 LONG 089 57 12)												
APR., 1975												
22...	1100	.00	.00	.30	.30	.30	1.3	.05	.03	48	15	700
JUN F												
03...	0400	.14	.05	.23	.24	.42	1.9	.08	.03	60	20	810900
072R0275 - DAVIS CREEK NEAR SCOEY, MISS. (LAT 33 56 00 LONG 089 52 48)												
APR., 1975												
22...	0940	.15	.11	.58	.69	.84	3.7	.05	.01	40	15	>6000
JUN F												
03...	0400	.37	.09	.61	.70	1.1	4.7	.09	.03	100	40	>30000
072R0280 - DAVIS CREEK NEAR TILLATOBA, MISS. (LAT 33 55 26 LONG 089 55 12)												
APR., 1975												
22...	1015	.01	.01	.29	.30	.31	1.4	.06	.01	90	45	900
JUN F												
03...	1500	.19	.03	.43	.46	.65	2.9	.06	.02	65	30	82560
072R0285 - SOUTH FORK TILLATOBA CREEK SW OF TILLATOBA, MISS (LAT 33 55 55 LONG 089 56 40)												
APR., 1975												
22...	1120	.04	.01	.23	.24	.28	1.2	.05	.01	75	30	646
JUN F												
03...	1430	.15	.06	.14	.20	.35	1.6	.06	.03	100	30	3000
072R0290 - SIMMONS CREEK NEAR TILLATOBA, MISS. (LAT 33 58 30 LONG 089 51 54)												
APR., 1975												
22...	0435	.04	.04	.25	.29	.33	1.5	.06	.03	85	25	500
JUN F												
03...	1130	.05	.03	.33	.35	.41	1.8	.06	.01	85	20	8100
072R0295 - SIMMONS CREEK AT TILLATOBA, MISS. (LAT 33 58 05 LONG 089 54 09)												
APR., 1975												
22...	0915	.04	.02	.30	.32	.36	1.6	.05	.03	75	25	593
JUN F												
03...	1530	.08	.03	.32	.35	.43	1.9	.06	.02	100	30	2700
072R0300 - SOUTH FORK TILLATOBA CREEK NEAR TILLATOBA, MISS. (LAT 33 57 35 LONG 089 57 36)												
APR., 1975												
22...	1310	.02	.02	.30	.32	.34	1.5	.05	.01	90	25	8600
JUN F												
03...	1400	.13	.07	.20	.27	.40	1.8	.08	.04	100	30	4600
072R0365 - TILLATOBA CREEK AT CHARLESTON, MISS. (LAT 33 59 22 LONG 089 59 38)												
APR., 1975												
22...	1230	.03	.00	.24	.24	.31	1.4	.06	.03	55	20	1100
JUN F												
03...	0945	.15	.02	.23	.25	.40	1.8	.07	.03	65	20	4800
072R0400 - TILLATOBA CREEK AT CHARLESTON, MISS. (LAT 33 59 59 LONG 090 03 55)												
APR., 1975												
22...	1430	.02	.00	.32	.32	.34	1.5	.05	.04	60	20	416
JUN F												
03...	1030	.19	.07	.18	.25	.44	1.9	.11	.04	70	25	816800

GROUND-WATER RECORDS

ALCORN COUNTY

345456088313001. Local number G57. City of Corinth. Drilled unused artesian well in rocks of Paleozoic age, diam 12 in (30 cm), depth 453 ft (138 m), cased to 410 ft (125 m). Lsd about 460 ft (140 m) above msl. MP top of steel casing, 1.00 ft (0.30 m) above lsd. Highest water level 100.9 ft (30.8 m) below lsd, Oct. 17, 1962; lowest 224.4 ft (68.4 m) below lsd, Sept. 22, 1974. Records available: 1962-75. Water levels affected by nearby pumping.

Highest water level for the day, from recorder graph, 1974 water year												
Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
5				203.2	208.0	203.2	203.3	196.3	200.4	208.0	.....	222.3
10	NOTE: Water levels for October-December 1973 published in WSP 2171			203.4	206.0	202.1	197.3	192.7	203.5	201.6	.....	222.0
15				204.8	206.5	205.8	195.1	191.2	205.4	208.4	219.2	223.6
20				207.1	204.4	203.8	196.2	193.8	206.0	213.8	221.5	223.9
25				208.5	204.5	205.9	196.5	198.1	207.6	210.0	223.0	222.8
Eom				208.4	204.4	204.1	194.5	198.4	209.1	.....	223.1	221.1
1975												
5	222.0	212.1	.....	.....	.....	.....	193.7	199.5	.....	.....	194.4	198.3
10	220.8	211.0	.....	.....	.....	.....	194.3	204.5	.....	.....	195.2	199.1
15	220.5	213.3	.....	.....	.....	194.6	194.4	205.1	.....	.....	198.1	.....
20	219.2	209.4	198.7	.....	.....	194.3	194.5	.....	.....	188.0	198.4	.....
25	216.0	206.0	187.7	.....	.....	195.2	197.0	.....	.....	191.5	197.7	.....
Eom	212.9	195.7	.....	.....	.....	191.2	201.4	.....	.....	193.6	197.1	.....

344642088340501. Local number K11. C. B. Curlee. Drilled unused artesian well in rocks of Paleozoic age, diam 4 in (10 cm), reported depth 574 ft (175 m), cased to 478 ft (146 m). Lsd about 460 ft (140 m) above msl. MP top of recorder house floor, 1.50 ft (0.46 m) above lsd. Highest water level 89.00 ft (27.13 m) below lsd, Dec. 17, 1961; lowest 106.57 ft (32.48 m) below lsd, May 22, 1975. Records available: 1961-75. Apr. 1, 1974, 106.40; May 22, 106.57.

BOLIVAR COUNTY

333959090435001. Local number Q150. Jones Bayou Gin Association. Drilled domestic artesian well in Meridian Sand Member of Tallahatta Formation of middle Eocene age, diam 3 to 2 in (7.6 to 5.1 cm), depth 1,310 ft (399 m), cased to 1,310 ft (399 m). Lsd 133.66 ft (40.74 m) above msl. MP top of 3/4-in pipe (1.90 cm), 1.00 ft (0.30 m) above lsd (since Nov. 8, 1974). Highest water level 20.10 ft (6.13 m) above lsd, May 30, 1939; lowest 3.20 ft (0.98 m) below lsd, Oct. 19, 1968. Records available: 1939-68, 1970-75. June 4, 1974, 1.70; Nov. 8, 2.12; May 16, 1975, 2.04.

CALHOUN COUNTY

335119089182801. Local number K101. Calhoun City. Drilled public-supply artesian well in sand and gravel of Tuscaloosa Group of Late Cretaceous age, diam 12 in (30 cm), depth 1,898 ft (579 m), cased to 1,858 ft (566 m). Lsd about 270 ft (82 m) above msl. MP top of air vent in north side of pumpbase, 1.30 ft (0.40 m) above lsd. Highest water level 42.75 ft (13.03 m) below lsd, Mar. 14, 1957; lowest 64.60 ft (19.69 m) below lsd, June 6, 1974. Records available: 1955-67, 1969, 1971-75. Water levels affected by pumping. June 6, 1974, 64.60; May 21, 1975, 63.79.

CHICKASAW COUNTY

335140089005001. Local number K37. J. D. McAlpin. Drilled unused artesian well in sand of Ripley Formation of Late Cretaceous age, diam 4 in (10 cm), reported depth 130 ft (40 m), cased to 80 ft (24 m). Lsd about 320 ft (98 m) above msl. MP top of steel casing, at lsd. Highest water level 59.40 ft (18.11 m) below lsd, Mar. 20, 1962; lowest 67.10 ft (20.45 m) below lsd, Oct. 28, 1971. Records available: 1958-75. May 2, 1974, 64.50; May 21, 1975, 63.97.

CLAIBORNE COUNTY

315718090591501. Local number L5. Town of Port Gibson. Drilled unused artesian well in sand of Miocene age, diam 10 in (25 cm), reported depth 250 ft (76 m), cased to 250 ft (76 m). Lsd about 120 ft (37 m) above msl. MP top of steel casing, 2.00 ft (0.61 m) above lsd. Highest water level 76.87 ft (23.43 m) below lsd, Apr. 22, 1963; lowest 106.90 ft (32.58 m) below lsd, Sept. 14, 1963. Records available: 1961-75. Water levels affected by nearby pumping. Jan. 7, 1974, 92.90; May 10, 94.33; July 22, 99.59; Nov. 6, 95.85; Feb. 18, 1975, 93.80; June 4, 91.77.

CLAY COUNTY

333722088382801. Local number H50. City of West Point. Drilled unused artesian well in sand and gravel of Tuscaloosa Group of Late Cretaceous age, diam 4 in (10 cm), depth 802 ft (244 m), cased to 782 ft (238 m). Lsd about 240 ft (73 m) above msl. MP top of 2-in (5.1 cm) nipple in well head, 2.00 ft (0.61 m) above lsd. Highest water level 26.10 ft (7.96 m) below lsd, Apr. 11, 1972; lowest 43.45 ft (13.24 m) below lsd, Apr. 19, 1971. Records available: 1963, 1965-68, 1970-72; 1974. No measurement made in 1975. Water levels affected by nearby pumping. Oct. 8, 1974, 28.20.

COAHOMA COUNTY

342400090322001. Local number C111. Norfleet & Wilsford. Drilled domestic artesian well in sand of Wilcox Formation of early Eocene age, diam 3 to 2 in (7.6 to 5.1 cm), depth 1,837 ft (560 m), screened 1,796-1,837 ft (547-560 m). Lsd 180.88 ft (55.13 m) above msl. MP top of 3-in (7.6 cm) tee, 1.00 ft (0.30 m) above lsd. Highest water level 40.8 ft (12.4 m) above lsd, July 26, 1940; lowest 5.0 ft (1.5 m) above lsd, Apr. 25, 1974. Records available: 1940-75. Apr. 25, 1974, +5.0; May 16, 1975, +5.2.

345736090102301. Local number A103. H. P. Sullivan. Drilled unused artesian well in sand of Wilcox Formation of early Eocene age, diam 4 to 2 in (10 to 5.1 cm), depth 1,525 ft (465 m), cased to 1,485 ft (453 m). Lsd about 205 ft (62 m) above msl. MP top of 2-in (5.1 cm) drop pipe, 3.30 ft (1.01 m) above lsd. Highest water level 16.25 ft (4.95 m) above lsd, July 15, 1939; lowest 25.45 ft (7.76 m) below lsd, Apr. 14, 1971. *Records available: 1939, 1955-75. Apr. 25, 1974, 21.80; May 16, 1975, 20.97

FORREST COUNTY

311930089173001. Local number D130. City of Hattiesburg. Community Center Bldg. Drilled unused artesian well in Catahoula Sandstone of Oligocene(?) and Miocene age, diam 10 in (25 cm), depth 390 ft (119 m), screened 310-390 ft (94-119 m). Lsd 151.76 ft (46.26 m) above msl. MP top edge of discharge pipe, 7.75 ft (2.36 m) above lsd. Highest water level 7.25 ft (2.21 m) above lsd, June 12, 1950; lowest 22.48 ft (6.85 m) below lsd, Apr. 23, 1973. Records available: 1940-54, 1956-73; 1975. No measurement made in 1974. June 10, 1975, 21.71.

311137089110501. Local number G116. U.S. Government-Mississippi National Guard. Camp Shelby. Drilled observation artesian well in sand of Hattiesburg Formation of early and middle Miocene age, diam 4 to 3 in (10 to 7.6 cm), depth 392 ft (119 m), screened 382-392 ft (116-119 m). Lsd 258.44 ft (78.77 m) above msl. MP top of 4-in (10 cm) casing flange, 2.00 ft (0.61 m) above lsd. Highest water level 122.08 ft (37.21 m) below lsd, Apr. 2, 1954; lowest 142.40 ft (43.40 m) below lsd, Nov. 6, 1974. Records available: 1943-45, 1954-75. Occasional pumping nearby. Jan. 9, 1974, 141.66; Apr. 2, 136.60; July 16, 140.74; Nov. 6, 142.40; Jan. 23, 1975, 137.80; June 10, 138.61.

GRENADA COUNTY

335016089471801. Local number B103. U.S. Government. Grenada Reservoir. Drilled unused artesian well in Meridian Sand Member of Tallahatta Formation of middle Eocene age; diam 12 to 8 in (30 to 20 cm); depth 257 ft (78 m); screened 227-257 ft (69-78 m). Lsd 207.07 ft (63.11 m) above msl. MP top of south side of concrete base, 1.20 ft (0.37 m) above lsd. Highest water level 1.98 ft (0.60 m) below lsd, Apr. 19, 1962; lowest 30.08 ft (9.17 m) below lsd, Oct. 28, 1942. Records available: 1942, 1954-75. Affected by stage of Grenada Reservoir; well is 0.5 mile below dam. Jan. 21, 1974, 7.60; June 5, 5.10; Jan. 28, 1975, 13.13; May 15, 5.12.

HANCOCK COUNTY

302118089351504. Local number H14. Mississippi Test Facility (NASA). Drilled unused artesian well in Citronelle Formation of Pliocene age, diam 12 in (30 cm), depth 144 ft (44 m), cased to 84 ft (26 m). Lsd about 20 ft (6 m) above msl. MP top of casing, 1.50 ft (0.46 m) above lsd. Highest water level 3.6 ft (1.1 m) below lsd, May 1, 1974; lowest 8.3 ft (2.5 m) below lsd, June 3, 1968. Records available: 1968, 1971-75. May 1, 1974, 3.6; June 10, 1975, 5.7.

HARRISON COUNTY

303110089070201. Local number G121. Mississippi Game and Fish Commission. Drilled unused artesian well in Graham Ferry Formation of Pliocene age, diam 3 in (7.6 cm), depth 456 ft (139 m), screened 416-456 ft (127-139 m). Lsd about 65 ft (20 m) above msl. MP top of casing, 0.40 ft (0.12 m) above lsd. Highest water level 10.0 ft (3.0 m) below lsd, Apr. 14, 1939; lowest 48.09 ft (14.66 m) below lsd, Nov. 6, 1974. Records available: 1939, 1954-75. Water levels affected by nearby pumping. Apr. 3, 1974, 45.20; Nov. 6, 48.09; June 11, 1975, 46.32.

302200089053301. Local number L154. U.S. Post Office Dept. Gulfport. Drilled unused artesian well in Pascagoula Formation of late Miocene age, diam 3 in (7.6 cm), depth 1,262 ft (385 m), screened 1,232-1,262 ft (376-385 m). Lsd 19.62 ft (5.98 m) above msl. MP top of 3-in (7.6 cm) casing tee, 1.70 ft (0.52 m) above lsd. Highest water level 27.1 ft (8.3 m) above lsd, Jan. 31, 1940; lowest 11.44 ft (3.49 m) below lsd, July 16, 1974. Records available: 1939-50, 1954-75. Jan. 8, 1974, 9.83; Apr. 3, 9.78; July 16, 11.44; Nov. 6, 11.10; Jan. 22, 1975, 11.10; June 11, 10.82.

302127089051901. Local number L172. Gulfport Municipal Harbor. South end of main pier. Drilled public-supply artesian well in Graham Ferry Formation of Pliocene age, diam 4 in (10 cm), reported depth 800 ft (244 m), cased to 760 ft (232 m). Lsd 7.62 ft (2.32 m) above msl. MP top of 4-in (10 cm) casing tee, 1.70 ft (0.52 m) above lsd (since July 16, 1974). Highest water level 38.0 ft (11.6 m) above lsd, Mar. 16, 1939; lowest 5.8 ft (1.8 m) below lsd, Nov. 6, 1974. Records available: 1939, 1956-74. No measurement made in 1975. July 16, 1974, 5.0; Nov. 6, 5.8.

302355088540301. Local number M120. City of Biloxi. 1332 Howard Ave. Drilled unused artesian well in Graham Ferry Formation of Pliocene age, diam 8 in (20 cm), reported depth 928 ft (283 m), sounded to 660 ft (201 m), casing information not available. Lsd 21.28 ft (6.49 m) above msl. MP top of 8-in (20 cm) flange, 3.00 ft (0.91 m) above lsd. Highest water level 44.0 ft (13.4 m) above lsd, 1903; lowest 50.3 ft (15.3 m) below lsd, June 30, 1972. Records available: 1903, 1945-46, 1954-75. Water levels affected by nearby pumping.

Highest water level for the day, from recorder graph, 1974 water year

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
5				....	....	32.9	33.3	36.1	39.4	....	....	....
10				....	....	33.7	32.7	36.7	38.8	....	....	....
15				....	....	34.0	32.5	38.1	39.8	....	....	41.1
20				....	....	34.3	32.8	39.4	42.0	....	....	41.7
25				....	33.5	34.2	34.1	39.6	41.7	....	....	41.5
Eom				....	33.8	33.8	34.9	40.1	43.5	....	....	41.4
1975												
5	41.3	40.7	37.0	33.1	35.0	34.1	34.6	37.3	....	....	....	....
10	42.4	39.5	36.4	34.0	34.9	34.2	35.8	36.8	....	....	....	....
15	42.7	39.0	35.7	34.7	34.9	33.3	36.0	....	....	....	....	....
20	41.5	38.0	35.7	35.2	34.1	33.8	36.3	....	....	....	....	....
25	42.2	37.6	33.6	34.9	34.3	33.4	37.0	....	....	....	....	....
Eom	40.8	36.2	33.4	35.2	34.2	34.0	38.1	....	....	....	....	....

HINDS COUNTY

321945090152201. Local number G125. Shady Oaks Country Club (formerly Country Club of Jackson). Drilled unused artesian well in Sparta Sand of Claiborne Group of middle Eocene age, diam 6 in (15 cm), depth 852 ft (260 m), cased to 802 ft (244 m). Lsd 372 ft (113 m) above ms1. MP top of 4-in (10 cm) coupling, 0.50 ft (0.15 m) above lsd. Highest water level 160.0 ft (48.8 m) below lsd, 1928; lowest 280.52 ft (85.50 m) below lsd, Sept. 25, 1972. Records available: 1928, 1944-75.

Date	Water level
Jan. 25, 1974	274.89
Feb. 22	272.75
Mar. 25	272.47
Apr. 10	273.42
May 30	274.92
June 24	275.30

Date	Water level
July 10, 1974	275.54
Aug. 23	276.20
Sep. 23	275.20
Oct. 23	276.10
Nov. 21	275.07
Dec. 19	273.96

Date	Water level
Jan. 22, 1975	273.00
Feb. 25	272.87
Mar. 19	271.70
Apr. 17	270.73
May 22	273.00

Date	Water level
June 20, 1975	274.93
July 24	276.76
Aug. 20	275.55
Sep. 24	274.90

322241090073701. Local number H160. Colonial Country Club. Drilled unused artesian well in Sparta Sand of Claiborne Group of middle Eocene age, diam 6 in (15 cm), reported depth 773 ft (236 m), cased to 634 ft (193 m). Lsd about 305 ft (93 m) above ms1. MP top of steel casing, at lsd. Highest water level 136.73 ft (41.68 m) below lsd, Mar. 30, 1954; lowest 194.14 ft (59.17 m) below lsd, Oct. 17, 1972. Records available: 1954-75. Water levels affected by nearby pumping.

Date	Water level
Jan. 25, 1974	186.70
Feb. 22	186.82
Mar. 25	187.80
Apr. 10	188.15
May 30	189.09
June 24	190.27

Date	Water level
July 10, 1974	192.20
Aug. 23	193.58
Sep. 23	193.25
Oct. 23	192.66
Nov. 21	191.77
Dec. 19	190.92

Date	Water level
Jan. 22, 1975	190.44
Feb. 19	191.59
Mar. 19	189.50
Apr. 17	189.49
May 22	190.06

Date	Water level
June 20, 1975	191.30
July 24	192.42
Aug. 20	192.40
Sep. 24	192.10

320620090370001. Local number S3. Town of Utica. Drilled unused artesian well in sand of Cockfield Formation of Claiborne Group of middle Eocene age, diam 10 in (25 cm), depth 1,310 ft (399 m), screened 1,240-1,310 ft (378-399 m). Lsd about 308 ft (94 m) above ms1. MP top of casing, 1.40 ft (0.43 m) above lsd. Highest water level 179.65 ft (54.76 m) below lsd, Feb. 27, 1958; lowest 190.16 ft (57.96 m) below lsd, Nov. 6, 1974. Records available: 1956-75. May 10, 1974, 189.60; Nov. 6, 190.16; May 22, 1975, 190.01; June 4, 190.05.

HUMPHREYS COUNTY

331151090290201. Local number C110. Wister Henry. Drilled domestic artesian well in Meridian Sand Member of Tallahatta Formation of middle Eocene age, diam 4 to 2 in (10 to 5.1 cm), depth 1,627 ft (496 m), screened 1,587-1,627 ft (484-496 m). Lsd 115.21 ft (35.12 m) above ms1. MP top of 4-in (10 cm) tee, 0.50 ft (0.15 m) above lsd. Highest water level 114.3 ft (34.8 m) above lsd, Feb. 1, 1941; lowest 66.4 ft (20.2 m) above lsd, Oct. 10, 1973. Records available: 1939-41, 1944-75. Apr. 8, 1974, +68.5; May 22, 1975, +67.5.

JACKSON COUNTY

302455088493501. Local number N48. Louisville & Nashville RR. Drilled unused artesian well in sand of Graham Ferry Formation of Pliocene age, diam 6 in (15 cm), reported depth 535 ft (163 m), cased to 495 ft (151 m), screened 495-535 ft (151-163 m). Lsd about 23 ft (7 m) above ms1. MP hole in northwest side of pump, 0.80 ft (0.24 m) above lsd. Highest water level 30.0 ft (9.1 m) above lsd, 1928; lowest 54.94 ft (16.75 m) below lsd, May 17, 1974. Records available: 1928, 1939, 1958-63, 1965-75. May 17, 1974, 54.94; June 11, 1975, 50.90.

302357088473801. Local number N73. Magnolia State Park. Drilled public-supply artesian well in sand of Graham Ferry Formation of Pliocene age, diam 4 in (10 cm), depth 536 ft (163 m), screened 516-536 ft (157-163 m). Lsd about 22 ft (7 m) above ms1. MP top of casing, 1.00 ft (0.30 m) above lsd. Highest water level 12.0 ft (3.7 m) above lsd, Apr. 8, 1938; lowest 45.68 ft (13.92 m) below lsd, June 12, 1975. Records available: 1938, 1956-73; 1975. No measurement made in 1974. June 12, 1975, 45.68.

302451088325901. Local number P45. Central Artesian Well Co. Drilled unused artesian well in sand of Pascagoula Formation of late Miocene age, diam 4 in (10 cm), depth 806 ft (246 m), cased to 806 ft (246 m). Lsd about 20 ft (6 m) above ms1. MP hole in tee, 0.80 ft (0.24 m) above lsd. Highest water level 28.0 ft (8.5 m) above lsd, Sept. 6, 1919; lowest 48.35 ft (14.74 m) below lsd, June 12, 1975. Records available: 1919, 1958-75. May 15, 1974, 46.70; June 12, 1975, 48.35.

302028088294001. Local number Q106. U.S. Geol. Survey. Drilled unused artesian well in sand of Graham Ferry Formation of Pliocene age, diam 6 in (15 cm), reported depth 348 ft (106 m), cased to 342 ft (104 m), screened 342-348 (104-106 m). Lsd about 4 ft (1 m) above ms1. MP top of recorder house floor, 5.00 ft (1.52 m) above lsd. Highest water level 41.38 ft (12.61 m) below lsd, Nov. 7, 1959; lowest 110.73 ft (33.75 m) below lsd, June 12, 1975. Records available: 1959-73; 1975. No measurement made in 1974. Water levels affected by nearby pumping. June 12, 1975, 110.73.

302132088293801. Local number Q112. Jackson County Board of Supervisors. Drilled unused artesian well in sand of Citronelle Formation of Pliocene age, diam 6 to 4 in (15 to 10 cm), depth 202 ft (62 m), cased to 192 ft (59 m), screened 192-202 ft (59-62 m). Lsd about 3.4 ft (1.0 m) above ms1. MP top of steel casing, 2.00 ft (0.61 m) above lsd. Highest water level 6.29 ft (1.92 m) below lsd, May 6, 1960; lowest 14.05 ft (4.28 m) below lsd, Aug. 11, 1971. Records available: 1960-75. May 16, 1974, 13.59; June 12, 1975, 13.74.

314240091034001. Local number H3. Town of Fayette. Drilled unused artesian well in sand of Miocene age, diam 8 in (20 cm), reported depth 272 ft (83 m), cased to 232 ft (71 m), screened 232-272 ft (71-83 m). Lsd about 270 ft (82 m) above msl. MP top of steel casing, 1.10 ft (0.34 m) above lsd. Highest water level 117.60 ft (35.84 m) below lsd, Sept. 9, 1962; lowest 137.45 ft (41.89 m) below lsd, July 12, 1965. Records available: 1961-75. Water levels affected by nearby pumping. May 10, 1974, 134.22; June 4, 1975, 136.73.

LEAKE COUNTY

324420089295001. Local number L1. Carthage & Canton RR. Drilled unused artesian well in sand of Wilcox Formation of early Eocene age, diam 4 to 2 in (10 to 5.1 cm), reported depth 700 ft (213 m), cased to 680 ft (207 m), screened 680-700 ft (207-213 m). Lsd about 350 ft (107 m) above msl. MP top of 4-in (10 cm) casing, 2.50 ft (0.76 m) above lsd. Highest water level 20.81 ft (6.34 m) below lsd, May 1, 1958; lowest 29.83 ft (9.09 m) below lsd, Nov. 5, 1968. Records available: 1957-63, 1965, 1968-75. Apr. 10, 1974, 25.62; May 14, 1975, 27.60.

LEE COUNTY

340525088371701. Local number O14. Town of Nettleton. Drilled unused artesian well in sand and gravel of Gordo Formation of Tuscaloosa Group of Late Cretaceous age, diam 8 in (20 cm), depth 612 ft (187 m), cased to 587 ft (179 m). Lsd about 260 ft (79 m) above msl. MP hole in well base, 0.70 ft (0.21 m) above lsd. Highest water level 22.40 ft (6.83 m) below lsd, July 15, 1940; lowest 48.87 ft (14.90 m) below lsd, May 20, 1975. Records available: 1940, 1962-75. Apr. 12, 1974, 48.50; May 20, 1975, 48.87.

LEFLORE COUNTY

333100090105801. Local number L152. City of Greenwood. Drilled unused artesian well in sand of Tallahatta Formation of middle Eocene age, diam 6 in (15 cm), depth 660 ft (201 m), reported screened 620-640 ft (189-195 m). Lsd 133.98 ft (40.84 m) above msl. MP top of 1/2-in (1.3 cm) bushing in top of well, 2.80 ft (0.85 m) above lsd. Highest water level 19.9 ft (6.1 m) above lsd, Aug. 5, 1944; lowest 19.3 ft (5.9 m) below lsd, June 27, 1948. Records available: 1938, 1940-50, 1954-75. Water levels affected by nearby pumping. June 5, 1974, 6.10; Nov. 8, 6.08; May 16, 1975, 5.90.

LOWNDES COUNTY

332343088262001. Local number L12. Lowndes County Board of Supervisors. Drilled unused artesian well in sand and gravel of Gordo Formation of Tuscaloosa Group of Late Cretaceous age, diam 4 in (10 cm), depth 500 ft (152 m), cased to 400 ft (122 m). Lsd about 160 ft (49 m) above msl. MP top of steel casing, 2.70 ft (0.82 m) above lsd. Highest water level 16.5 ft (5.0 m) above lsd, June 10, 1940; lowest 12.45 ft (3.79 m) below lsd, Apr. 27, 1973. Records available: 1940, 1960-66, 1968-73; 1975. No measurement made in 1974. May 20, 1975, 7.81.

332517088235601. Local number L22. Hooker Chemical Co. Drilled unused artesian well in sand of Coker Formation of Tuscaloosa Group of Late Cretaceous age, diam 4 in (10 cm), depth 1,180 ft (360 m), casing information not available. Lsd about 175 ft (53 m) above msl. MP top of 4-in (10 cm) elbow at well head, 2.60 ft (0.79 m) above lsd. Highest water level 44.9 ft (13.7 m) above lsd, Apr. 12, 1961; lowest 14.40 ft (4.39 m) below lsd, Apr. 27, 1973. Records available: 1960-65, 1967-75. Apr. 30, 1974, -14.10; May 20, 1975, +3.00.

NOXUBEE COUNTY

330650088341001. Local number H115. Borden Food Products Co. Drilled industrial artesian well in sand and gravel of Tuscaloosa Group of Late Cretaceous age, diam 10 in (25 cm), depth 1,807 ft (551 m), cased to 1,767 ft (539 m). Lsd about 185 ft (56 m) above msl. MP top of 1/4-in (0.64 cm) gate valve on discharge pipe, 3.00 ft (0.91 m) above lsd. Highest water level 33.2 ft (10.1 m) above lsd, Feb. 3, 1955; lowest 6.7 ft (2.04 m) above lsd, May 20, 1975. Records available: 1955-56, 1958-63, 1965-75. May 1, 1974, +8.5; May 20, 1975, +6.7.

OKTIBBEHA COUNTY

332710088471701. Local number G102. Mississippi State University. Drilled unused artesian well in sand of Eutaw Formation of Late Cretaceous age, diam 6 in (15 cm), depth 1,008 ft (307 m), cased to 968 ft (295 m). Lsd 380.95 ft (116.11 m) above msl. MP top of casing, 2.33 ft (0.71 m) above lsd. Highest water level 176.14 ft (53.69 m) below lsd, Apr. 3, 1941; lowest 210.07 ft (64.03 m) below lsd, May 20, 1975. Records available; 1940-48, 1954-75. May 1, 1974, 207.57; May 20, 1975, 210.07.

RANKIN COUNTY

321846089475101. Local number J110. Town of Pelahatchie. Drilled unused artesian well in sand of Cockfield Formation of Claiborne Group of middle Eocene age, diam 8 in (20 cm), depth 563 ft (172 m), screened 503-563 ft (153-172 m). Lsd about 365 ft (111 m) above msl. MP hole in cover plate at lsd (since July 16, 1974). Highest water level 101.62 ft (30.97 m) below lsd, Apr. 9, 1956; lowest 131.96 ft (40.22 m) below lsd, Jan. 22, 1970. Records available: 1955-75. Water levels affected by nearby pumping. Jan. 22, 1974, 108.20; Apr. 10, 110.83; Apr. 25, 108.40; July 16, 110.74; Jan. 30, 1975, 118.86.

SCOTT COUNTY

322148089283201. Local number L1. Town of Forest. Drilled unused artesian well in sand of Cockfield Formation of Claiborne Group of middle Eocene age, diam 10 in (25 cm), depth 360 ft (110 m), cased to 280 ft (85 m). Lsd about 480 ft (146 m) above msl. MP top of recorder-house floor, 3.00 ft (0.91 m) above lsd. Highest water level 103.7 ft (31.6 m) below lsd, May 6, 1958; lowest 145.4 ft (44.3 m) below lsd, Apr. 28, 1967. Records available: 1957-75. Water levels affected by nearby pumping. Apr. 9, 1974, 124.00; Apr. 25, 109.00; May 14, 1975, 115.20.

TISHOMINGO COUNTY

344834088111601. Local number F1. H. M. Biggs. Drilled unused artesian well in sand and gravel of Tuscaloosa Group of Late Cretaceous age, diam 8 in (20 cm), depth 135 ft (41 m), cased to 105 ft (32 m). Lsd about 545 ft (166 m) above msl. MP top of casing, 2.00 ft (0.61 m) above lsd. Highest water level 31.2 ft (9.5 m) below lsd, Apr. 1, 1974; lowest 65.1 ft (19.8 m) below lsd, Jan. 18, 1967. Records available: 1956, 1958-75. Water levels affected by nearby pumping. Apr. 1, 1974, 31.2; May 22, 31.5; June 25, 1975, 31.3.

TUNICA COUNTY

343117090253001. Local number J101. L. D. Powell. Drilled domestic artesian well in sand of Wilcox Formation of early Eocene age, diam 3 to 2 in (7.6 to 5.1 cm), depth 1,796 ft (547 m), screened 1,766-1,796 ft (538-547 m). Lsd 176 ft (54 m) above msl. MP top of 3-in (7.6 cm) coupling, at lsd. Highest water level 30.3 ft (9.2 m) above lsd, July 7, 1954; lowest 5.9 ft (1.8 m) above lsd, May 16, 1975. Records available: 1954-67, 1969-75. Apr. 25, 1974, +7.5; May 16, 1975, +5.9.

WASHINGTON COUNTY

331808090532901. Local number H101. J. A. Aldridge. Drilled domestic artesian well in Meridian Sand Member of Tallahatta Formation of middle Eocene age, diam 4 in (10 cm), depth 1,903 ft (580 m), cased to 1,895 ft (578 m). Lsd about 120 ft (37 m) above msl. MP top of 4-in (10 cm) tee, 0.80 ft (0.24 m) above lsd. Highest water level 53.5 ft (16.3 m) above lsd, Dec. 20, 1954; lowest 34.3 ft (10.5 m) above lsd, Apr. 8, 1974. Records available: 1954-75. Apr. 8, 1974, +34.3; May 22, 1975, +35.3.

330227090592001. Local number S4. Agricultural Chemical Corp. Drilled unused water-table well in alluvium of Pleistocene age, diam 12 in (30 cm), depth 105 ft (32 m), screened 80-105 ft (24-32 m). Lsd 111.24 ft (33.91 m) above msl. MP top of recorder-house floor, 1.95 ft (0.59 m) above lsd. Highest water level 5.8 ft (1.8 m) below lsd, May 13, 1958; lowest 19.45 ft (5.93 m) below lsd, Aug. 21, 1954. Records available: 1954-75.

Highest water level for the day, from recorder graph, 1974 water year												
Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
5				....	7.5	7.5	....	8.0	12.2	15.5	16.5	13.0
10	NOTE: Water levels for			....	7.7	7.7	9.2	....	8.2	13.8	17.6	13.9
15	October-December 1973			8.1	8.0	8.0	8.3	....	12.4	15.9	16.7	13.0
20	published in WSP 2171			8.0	8.2	....	8.4	....	13.9	15.2	17.2	13.5
25				7.8	7.4	....	7.8	11.5	13.6	16.0	14.5	13.2
Eom				7.4	7.4	....	7.9	8.8	15.0	13.4	13.5	12.3
1975												
5	13.0	11.9	12.0	9.6	8.0	8.6	7.7	7.1	9.6	15.4	13.5	14.2
10	13.4	12.0	11.6	9.2	8.2	9.1	7.7	7.0	9.3	12.1	11.3	13.2
15	13.0	11.8	11.2	9.2	8.4	8.0	7.7	7.1	8.1	16.1	15.4	11.8
20	12.6	11.5	11.1	9.2	8.0	7.7	7.5	7.6	8.6	13.4	13.2	11.7
25	12.5	11.6	10.8	9.0	8.1	7.7	7.9	....	9.4	15.3	16.3	11.7
Eom	11.9	11.8	9.8	9.5	8.3	7.4	7.7	....	12.8	12.7	14.9	11.7

WILKINSON COUNTY

310413091042101. Local number T101. J. P. Kennedy. Old Camp Van Dorn. Drilled unused artesian well in sand of Pascagoula Formation of late Miocene age, diam 16 in (41 cm), depth 222 ft (68 m), screened 162-222 ft (49-68 m). Lsd 353.5 ft (107.7 m) above msl. MP top of hole in cover plate, 1.20 ft (0.37 m) above lsd. Highest water level 43.0 ft (13.1 m) below lsd, May 5, 1942; lowest 52.22 ft (15.92 m) below lsd, Dec. 10, 1954. Records available: 1942, 1954-63, 1968, 1970-75. May 10, 1974, 48.25; June 5, 1975, 48.80.

310413091042102. Local number T102. J. P. Kennedy. Old Camp Van Dorn. Drilled unused artesian well in middle sand of Pascagoula Formation of late Miocene age, diam 12 in (30 cm), depth 417 ft (127 m), screened 355-415 ft (108-126 m). Lsd 356.4 ft (108.6 m) above msl. MP top of hole in cover plate, 1.48 ft (0.45 m) above lsd. Highest water level 128.4 ft (39.1 m) below lsd, May 5, 1942; lowest 163.41 ft (49.81 m) below lsd, May 10, 1974. Records available: 1942, 1954-63, 1968, 1970-75. May 10, 1974, 163.41; June 4, 1975, 163.39.

310413091042103. Local number T103. J. P. Kennedy. Old Camp Van Dorn. Drilled unused artesian well in upper part of Catahoula Sandstone of Miocene age, diam 12 in (30 cm), depth 1,699 ft (518 m), screened 1,625-1,685 ft (495-514 m). Lsd 356.4 ft (108.6 m) above msl. MP top of hole in cover plate, 1.40 ft (0.43 m) above lsd. Highest water level 238.1 ft (72.6 m) below lsd, May 13, 1942; lowest 270.63 ft (82.49 m) below lsd, June 4, 1975. Records available: 1942, 1954-63, 1968, 1970-75. May 10, 1974, 268.89; June 4, 1975, 270.63.

YAZOO COUNTY

325905090192202. Local number B102. Town of Eden. Drilled unused artesian well in Sparta Sand of middle Eocene age, diam 3 in (7.6 cm), depth 800 ft (244 m), cased to 770 ft (235 m). Lsd 112.3 ft (34.2 m) above msl. MP bottom edge of hole in north side of casing, 5.30 ft (1.62 m) above lsd. Highest water level 39.7 ft (12.1 m) above lsd, 1919; lowest 12.15 ft (3.70 m) below lsd, Jan. 25, 1966. Records available: 1919, 1939, 1943-75. Jan. 15, 1974, 8.50; May 17, 9.28; July 17, 10.09; Oct. 3, 9.28; Jan. 29, 1975, 9.28; May 22, 8.35.

325905090192201. Local number B103. Town of Eden. Drilled public-supply artesian well in Meridian Sand Member of Tallahatta Formation of middle Eocene age, diam 4 to 2½ in (10 to 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). Lsd about 112 ft (34 m) above msl. MP top of 4-in (10 cm) cap, 0.50 ft (0.15 m) above lsd. Highest water level 143.2 ft (43.6 m) above lsd, January 1954; lowest 98.0 ft (29.9 m) above lsd, Oct. 31, 1974. Records available: 1954-75. Jan. 15, 1974, +93.5; July 17, +82.0; Oct. 31, +98.0; Jan. 31, 1975, +104.0; May 22, +104.0.

*Leaking.

325016090251601. Local number G126. Yazoo City. Drilled unused artesian well in Sparta Sand of middle Eocene age, diam 6 in (15 cm), depth 801 ft (244 m), cased to 761 ft (232 m). Lsd about 96 ft (29 m) above msl. MP top of recorder-house floor, 4.00 ft (1.22 m) above lsd. Highest water level 31.1 ft (9.5 m) above lsd, Jan. 17, 1939; lowest 28.2 ft (8.6 m) below lsd, July 18, 1974. Records available: 1939, 1955-75. Water levels affected by nearby pumping.

Highest water level for the day, from recorder graph, 1974 water year

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
5				19.5	18.8	19.0	....	20.6	20.7	22.6	23.8	....
10	NOTE: Water levels for October-December 1973 published in WSP 2171			19.5	18.6	....	20.5	21.5	21.3	24.6	24.9	24.5
15				19.4	18.5	....	20.3	21.3	22.0	24.0	24.2	23.5
20				19.3	19.0	....	21.4	21.4	21.9	24.0	....	23.1
25				18.9	18.7	....	21.9	21.0	22.2	23.8	....	22.5
Eom				18.5	18.8	....	21.1	21.3	22.8	23.6	....	20.5
1975												
5	20.6	21.5	21.3	....	22.1	....	....	....	20.4	20.9	20.7	20.9
10	21.0	21.7	21.4	22.0	22.7	....	....	....	20.3	20.9	21.4	20.9
15	21.2	21.4	21.5	....	....	....	....	....	19.6	20.8	20.5	20.9
20	21.6	21.1	21.4	22.5	....	....	....	....	20.3	20.1	21.3	20.7
25	21.3	21.3	21.3	22.4	....	....	18.2	20.1	20.7	20.3	20.9	20.7
Eom	21.8	21.5	21.1	....	....	....	....	20.0	20.9	21.2	20.8	21.3

324936090423001. Local number J128. Holly Bluff Consolidated School. Drilled school-supply artesian well in Sparta Sand of middle Eocene age, diam 4 in (10 cm), depth 980 ft (299 m), cased to 940 ft (287 m). Lsd about 103 ft (31 m) above msl. MP top of 4-in (10 cm) tee, 3.00 ft (0.91 m) above lsd. Highest water level 38.7 ft (11.8 m) above lsd, Aug. 17, 1939; lowest 9.60 ft (2.93 m) below lsd, Oct. 31, 1974. Records available: 1939, 1954-75. Apr. 8, 1974, 8.55; Oct. 31, 9.60; May 22, 1975, 9.02.

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FACTORS FOR CONVERTING INCH-POUND UNITS TO INTERNATIONAL SYSTEM UNITS (SI)

The following factors may be used to convert the inch-pound units published herein to the International System of Units (SI). This report contains both the inch-pound and SI unit equivalents in the station manuscript descriptions.

Multiply inch-pound units	By	To obtain SI units
<i>Length</i>		
inches (in)	2.54×10^1	millimeters (mm)
	2.54×10^{-2}	meters (m)
feet (ft)	3.048×10^{-1}	meters (m)
miles (mi)	1.609×10^0	kilometers (km)
<i>Area</i>		
acres	4.047×10^3	square meters (m ²)
	4.047×10^{-1}	square hectometers (hm ²)
	4.047×10^{-3}	square kilometers (km ²)
square miles (mi ²)	2.590×10^0	square kilometers (km ²)
<i>Volume</i>		
gallons (gal)	3.785×10^0	liters (L)
	3.785×10^0	cubic decimeters (dm ³)
	3.785×10^{-3}	cubic meters (m ³)
million gallons	3.785×10^3	cubic meters (m ³)
	3.785×10^{-3}	cubic hectometers (hm ³)
cubic feet (ft ³)	2.832×10^1	cubic decimeters (dm ³)
	2.832×10^{-2}	cubic meters (m ³)
cfs-days	2.447×10^3	cubic meters (m ³)
	2.447×10^{-3}	cubic hectometers (hm ³)
acre-feet (acre-ft)	1.233×10^3	cubic meters (m ³)
	1.233×10^{-3}	cubic hectometers (hm ³)
	1.233×10^{-6}	cubic kilometers (km ³)
<i>Flow</i>		
cubic feet per second (ft ³ /s)	2.832×10^1	liters per second (L/s)
	2.832×10^1	cubic decimeters per second (dm ³ /s)
	2.832×10^{-2}	cubic meters per second (m ³ /s)
gallons per minute (gal/min)	6.309×10^{-2}	liters per second (L/s)
	6.309×10^{-2}	cubic decimeters per second (dm ³ /s)
	6.309×10^{-5}	cubic meters per second (m ³ /s)
million gallons per day	4.381×10^1	cubic decimeters per second (dm ³ /s)
	4.381×10^{-2}	cubic meters per second (m ³ /s)
<i>Mass</i>		
tons (short)	9.072×10^{-1}	megagrams (Mg) or metric tons

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